

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062669.D
 Acq On : 12 Jun 2019 12:54
 Operator : VA/AP
 Sample : VD0612SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Quant Time: Jun 13 07:23:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	660694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	861038	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	761000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	424056	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	539433	56.58	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.16%	
35) Dibromofluoromethane	6.91	113	546737	60.21	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	120.42%	
50) Toluene-d8	10.40	98	1105920	57.89	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	115.78%	
62) 4-Bromofluorobenzene	13.55	95	538665	60.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	187557	23.027	ug/l	91
3) Chloromethane	1.74	50	156919	24.004	ug/l	91
4) Vinyl Chloride	1.84	62	148879	22.085	ug/l	99
5) Bromomethane	2.14	94	65936	19.377	ug/l	93
6) Chloroethane	2.25	64	74402	22.355	ug/l	92
7) Trichlorofluoromethane	2.52	101	320081	21.214	ug/l	99
8) Diethyl Ether	2.86	74	41723	20.331	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.13	101	175789	21.603	ug/l	98
10) Methyl Iodide	3.29	142	198583	19.472	ug/l	93
11) Tert butyl alcohol	4.08	59	41190	105.107	ug/l #	84
12) 1,1-Dichloroethene	3.11	96	122080	20.905	ug/l	84
13) Acrolein	3.03	56	11820	93.767	ug/l #	82
14) Allyl chloride	3.60	41	185092	20.614	ug/l	87
15) Acrylonitrile	4.19	53	105588	118.568	ug/l	93
16) Acetone	3.22	43	190836	109.313	ug/l	94
17) Carbon Disulfide	3.35	76	367487	21.355	ug/l	97
18) Methyl Acetate	3.64	43	75360	26.266	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	336754	23.644	ug/l	100
20) Methylene Chloride	3.81	84	149909	22.484	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	133818	20.891	ug/l	96
22) Diisopropyl ether	5.12	45	425925	22.845	ug/l	89
23) Vinyl Acetate	5.04	43	1342999	116.112	ug/l	98
24) 1,1-Dichloroethane	4.97	63	265110	22.104	ug/l	97
25) 2-Butanone	6.06	43	199665	117.232	ug/l #	89
26) 2,2-Dichloropropane	6.01	77	306215	22.152	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	160437	23.104	ug/l	98
28) Bromochloromethane	6.43	49	92428	20.160	ug/l	92
29) Tetrahydrofuran	6.45	42	90013	117.360	ug/l	95
30) Chloroform	6.65	83	360510	23.427	ug/l	97
31) Cyclohexane	6.94	56	169289	22.501	ug/l	93
32) 1,1,1-Trichloroethane	6.85	97	347007	22.662	ug/l	96
36) 1,1-Dichloropropene	7.13	75	215082	21.826	ug/l	100
37) Ethyl Acetate	6.18	43	107367	26.140	ug/l #	91
38) Carbon Tetrachloride	7.09	117	368917	23.685	ug/l	98

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Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Quant Time: Jun 13 07:23:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	179949	22.597	ug/l	94
40) Benzene	7.44	78	429040	22.294	ug/l	97
41) Methacrylonitrile	6.43	41	126293	24.482	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	267016	23.278	ug/l	95
43) Isopropyl Acetate	9.23	43	120265	23.129	ug/l #	88
44) Trichloroethene	8.53	130	172576	22.088	ug/l	90
45) 1,2-Dichloropropane	8.94	63	112396	24.314	ug/l	93
46) Dibromomethane	9.05	93	98819	24.083	ug/l	92
47) Bromodichloromethane	9.37	83	254761	22.824	ug/l	91
48) Methyl methacrylate	9.11	41	87419	23.271	ug/l	95
49) 1,4-Dioxane	9.07	88	15548	488.240	ug/l #	81
51) 4-Methyl-2-Pentanone	10.29	43	435659	119.742	ug/l	99
52) Toluene	10.50	92	301847	23.334	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	231787	25.328	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	222865	23.562	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	108222	24.394	ug/l	95
56) Ethyl methacrylate	11.03	69	114105	23.604	ug/l	96
57) 1,3-Dichloropropane	11.40	76	162100	23.575	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	328133	138.387	ug/l	96
59) 2-Hexanone	11.52	43	334170	123.474	ug/l	99
60) Dibromochloromethane	11.68	129	202250	23.095	ug/l	93
61) 1,2-Dibromoethane	11.80	107	128642	24.228	ug/l	100
64) Tetrachloroethene	11.25	164	163103	22.895	ug/l	95
65) Chlorobenzene	12.39	112	366799	21.791	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	186287	23.204	ug/l	97
67) Ethyl Benzene	12.52	91	664667	22.271	ug/l	97
68) m/p-Xylenes	12.66	106	468539	44.656	ug/l	92
69) o-Xylene	13.04	106	230414	23.912	ug/l	94
70) Styrene	13.07	104	409975	23.845	ug/l	96
71) Bromoform	13.23	173	137807	23.940	ug/l	94
73) Isopropylbenzene	13.39	105	716029	23.956	ug/l	98
74) N-amyl acetate	13.26	43	170061	21.053	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	120258	23.514	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	135111	23.498	ug/l	96
77) Bromobenzene	13.66	156	186315	21.809	ug/l	84
78) n-propylbenzene	13.77	91	837493	22.891	ug/l	98
79) 2-Chlorotoluene	13.84	91	487972	22.779	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	633735	23.991	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	34894	22.765	ug/l	90
82) 4-Chlorotoluene	13.94	91	617809	24.116	ug/l	91
83) tert-Butylbenzene	14.18	119	664581	22.810	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	594337	22.724	ug/l	98
85) sec-Butylbenzene	14.36	105	747994	24.483	ug/l	94
86) p-Isopropyltoluene	14.49	119	638351	21.460	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	337370	21.799	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	351344	24.022	ug/l	97
89) n-Butylbenzene	14.79	91	632028	23.618	ug/l	96
90) Hexachloroethane	15.00	117	177629	22.620	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	313908	24.400	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	26925	24.647	ug/l	91

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Quant Time: Jun 13 07:23:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

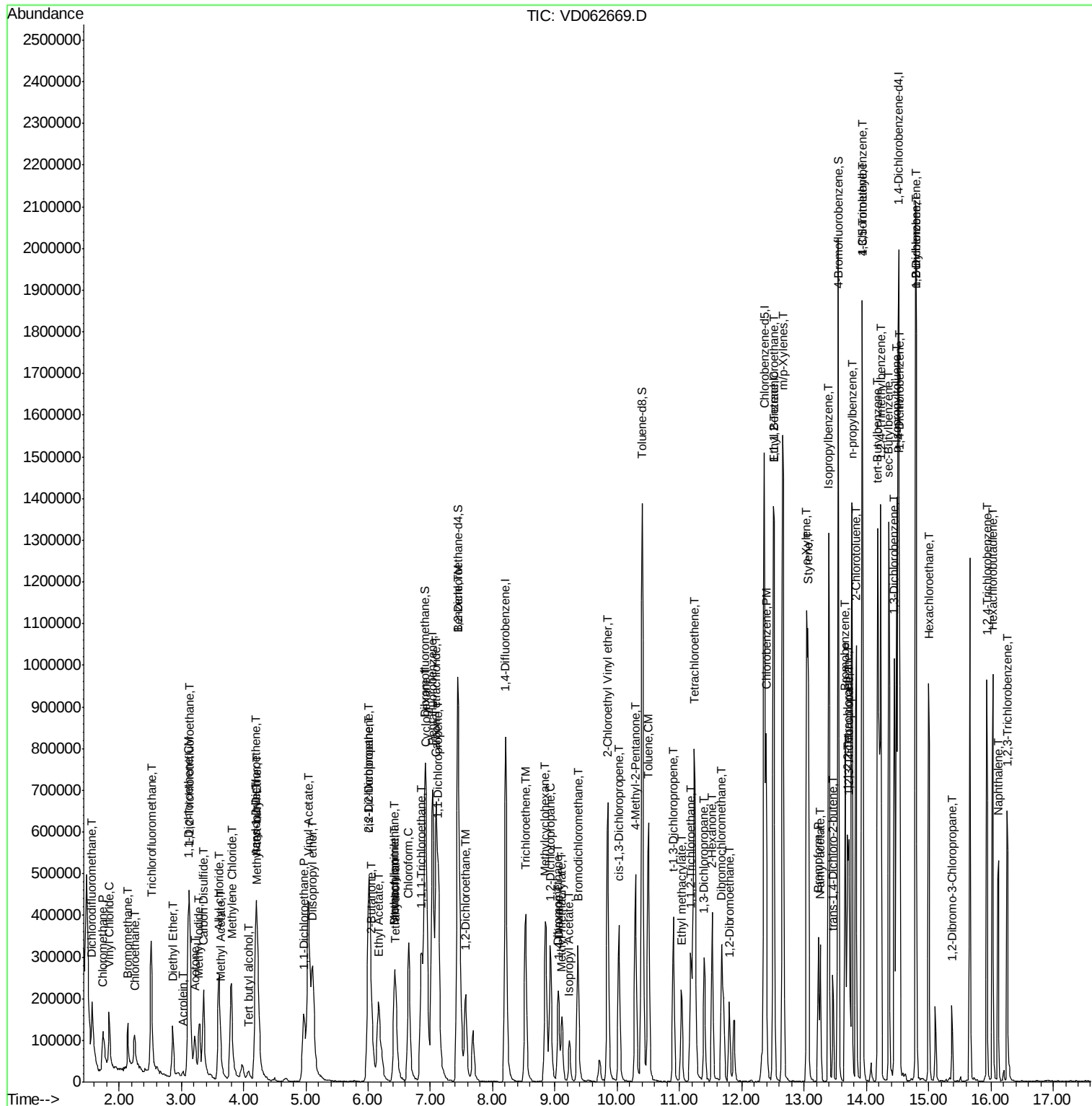
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	237771	23.800	ug/l	95
94) Hexachlorobutadiene	16.03	225	170989	22.512	ug/l	99
95) Naphthalene	16.12	128	342088	24.148	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	169300	22.847	ug/l	97

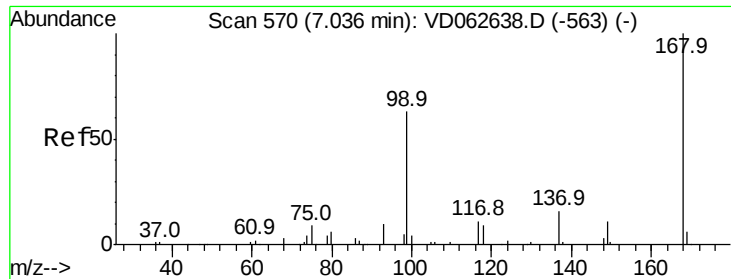
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/5ml/MSVOA D/SOIL
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Quant Time: Jun 13 07:23:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

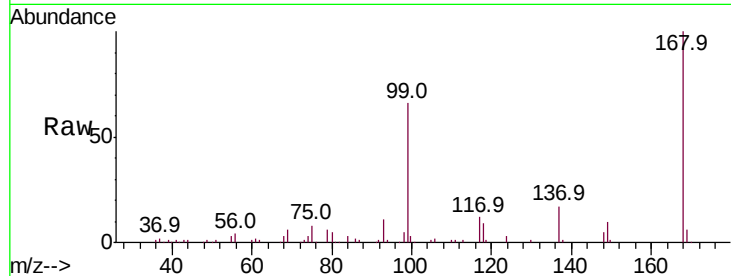
VD0612SBSD01

Tot Ion:168 Resp: 660694

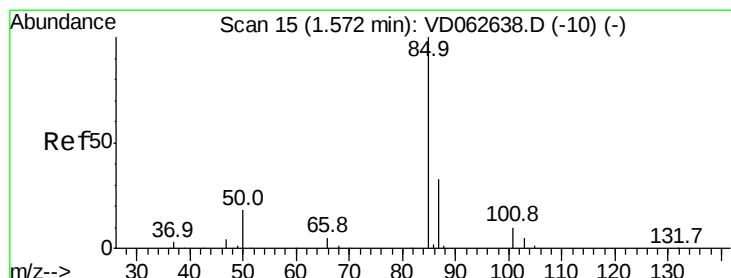
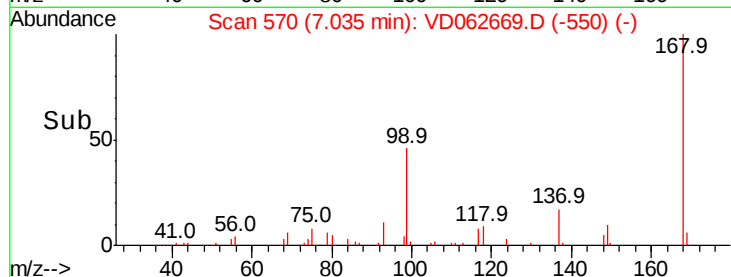
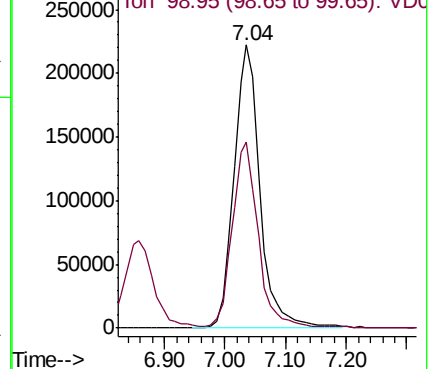
Ion Ratio Lower Upper

168 100

99 65.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 23.027 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062669.D

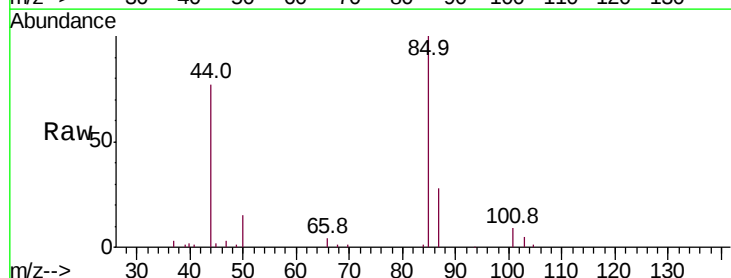
Acq: 12 Jun 2019 12:54

Tgt Ion: 85 Resp: 187557

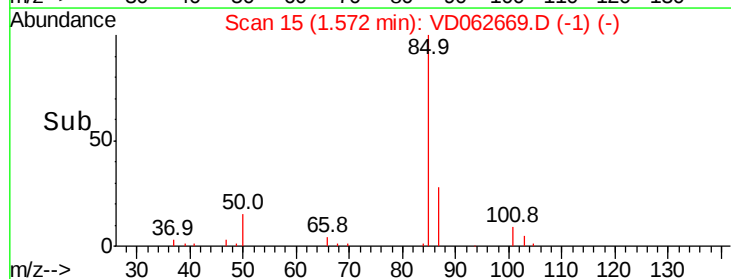
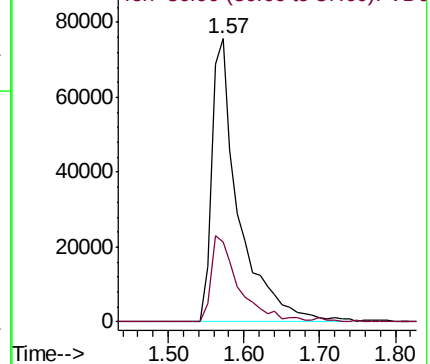
Ion Ratio Lower Upper

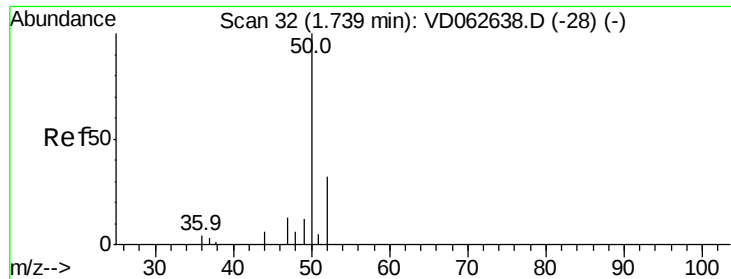
85 100

87 28.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC





#3

Chloromethane

Concen: 24.004 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

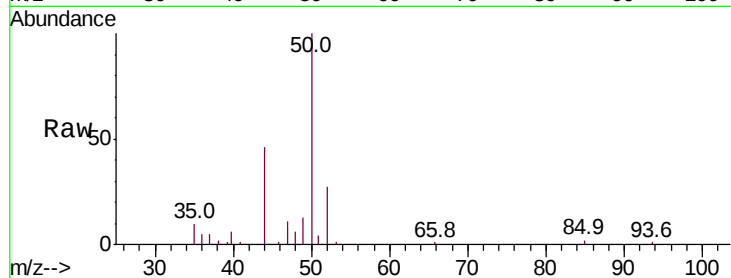
VD0612SBS01

Tot Ion: 50 Resp: 156919

Ion Ratio Lower Upper

50 100

52 27.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

50000

40000

30000

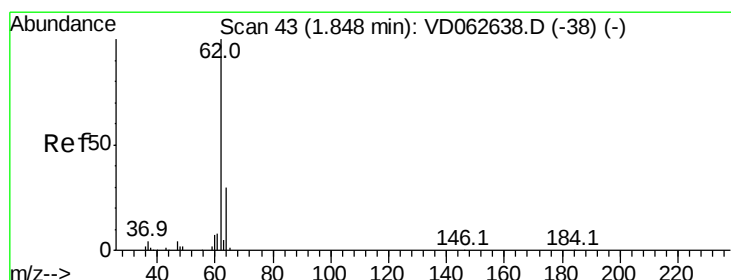
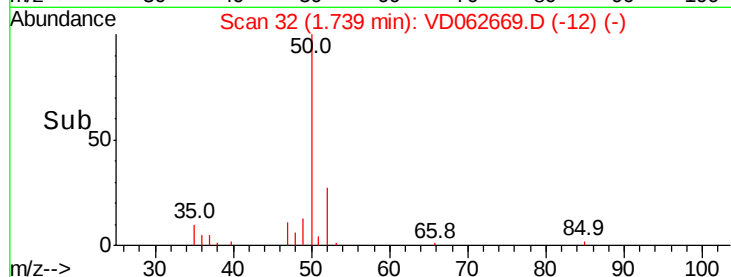
20000

10000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 22.085 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062669.D

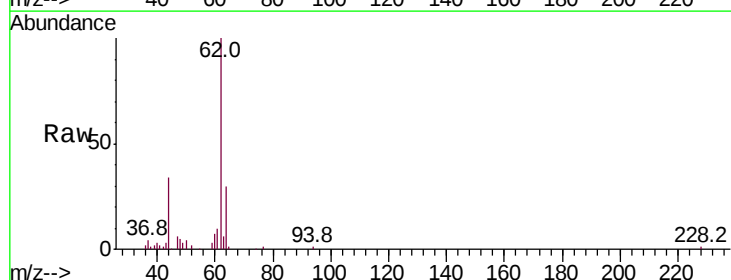
Acq: 12 Jun 2019 12:54

Tgt Ion: 62 Resp: 148879

Ion Ratio Lower Upper

62 100

64 29.6 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

80000

60000

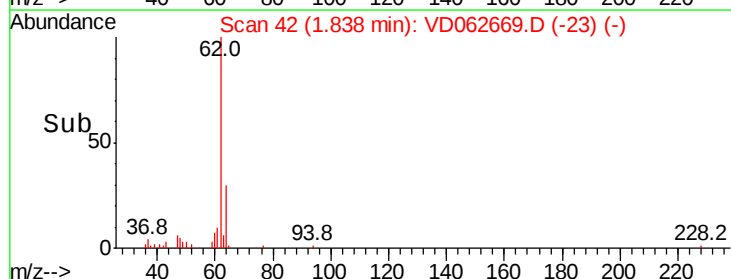
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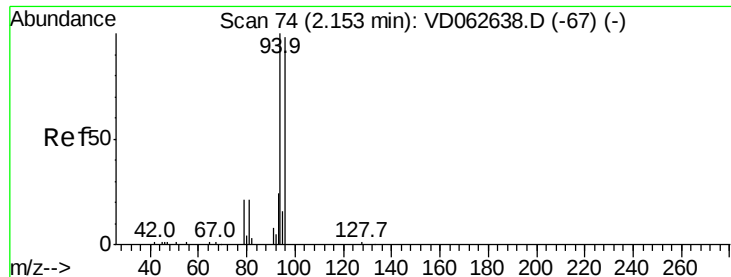
20000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 19.377 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

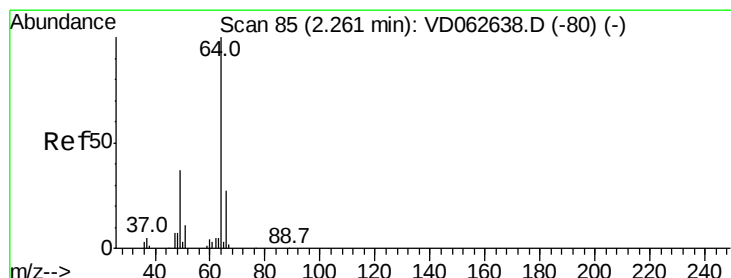
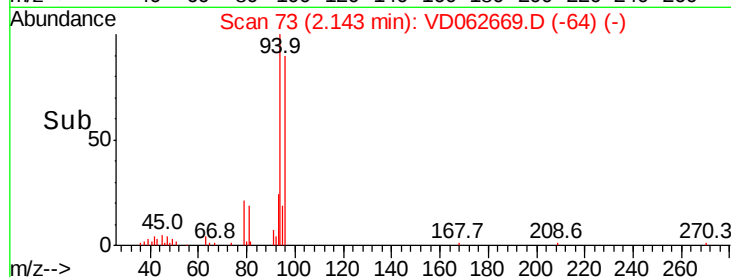
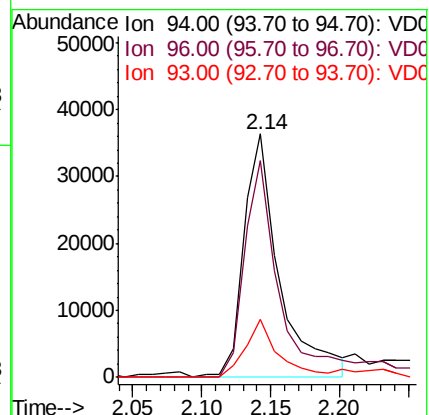
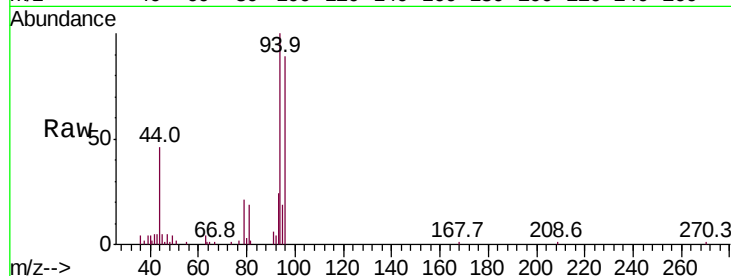
Tot Ion: 94 Resp: 65936

Ion Ratio Lower Upper

94 100

96 89.0 78.1 117.1

93 23.6 19.6 29.4



#6

Chloroethane

Concen: 22.355 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062669.D

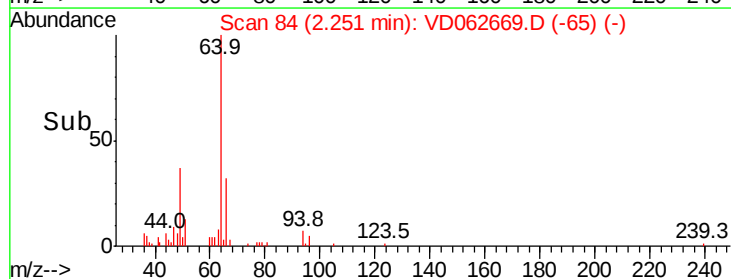
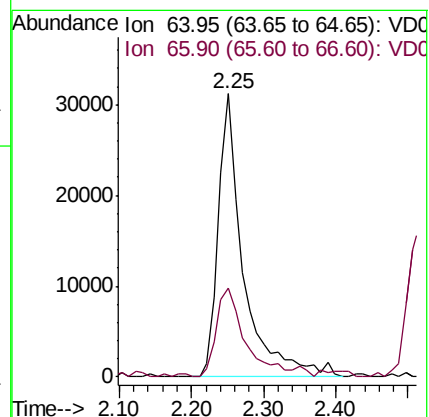
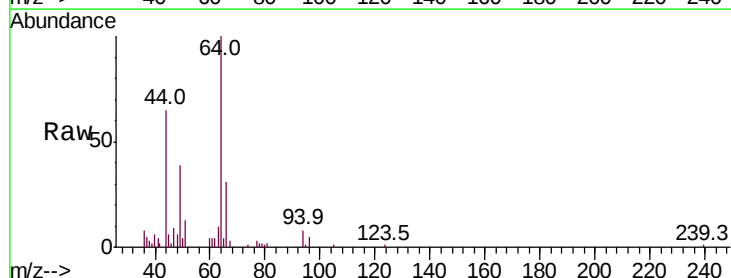
Acq: 12 Jun 2019 12:54

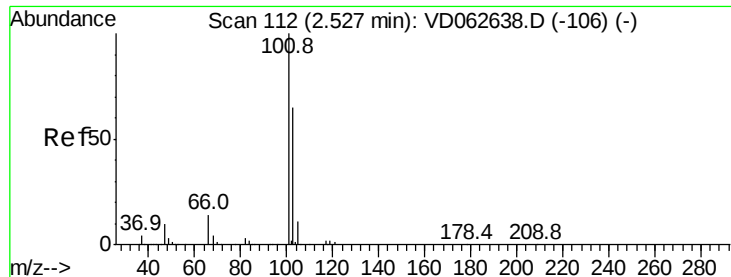
Tgt Ion: 64 Resp: 74402

Ion Ratio Lower Upper

64 100

66 31.4 21.9 32.9



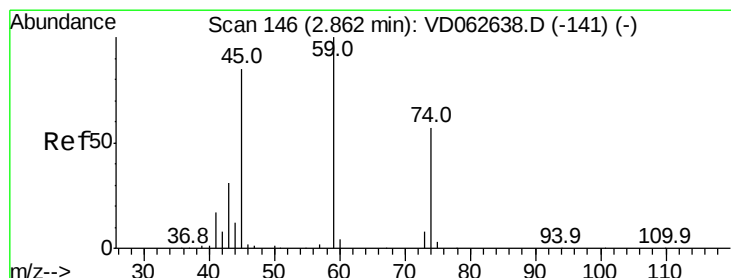
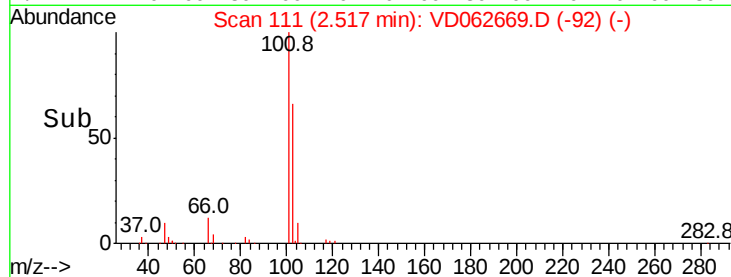
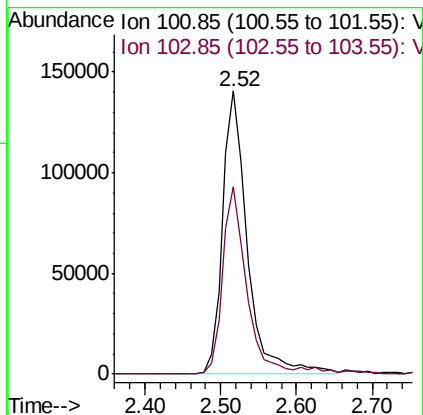
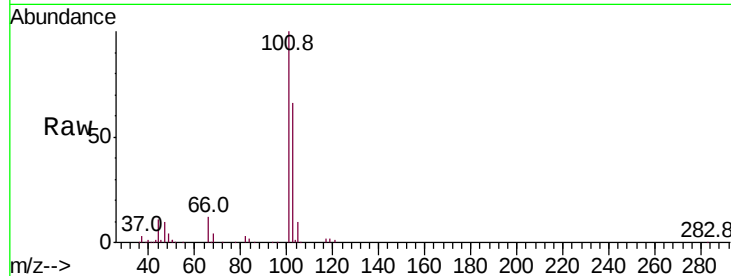


#7

Trichlorofluoromethane
Concen: 21.214 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

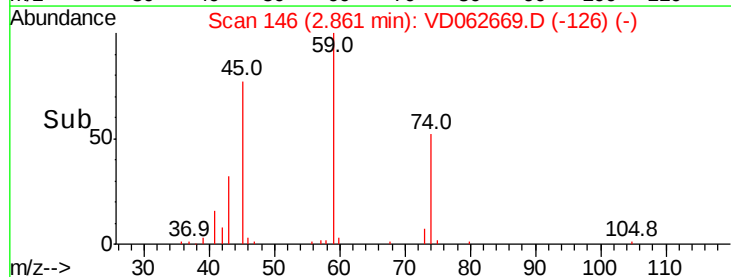
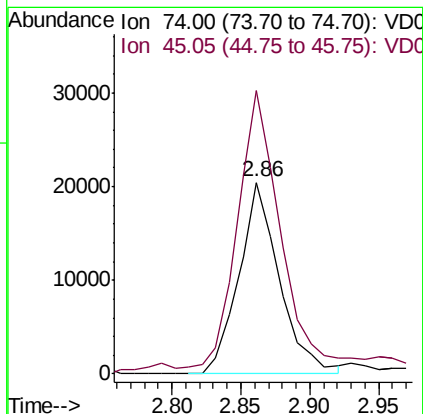
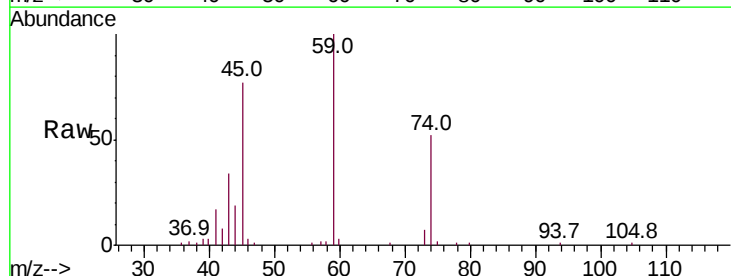
Tot Ion:101 Resp: 320081
Ion Ratio Lower Upper
101 100
103 66.1 52.2 78.2

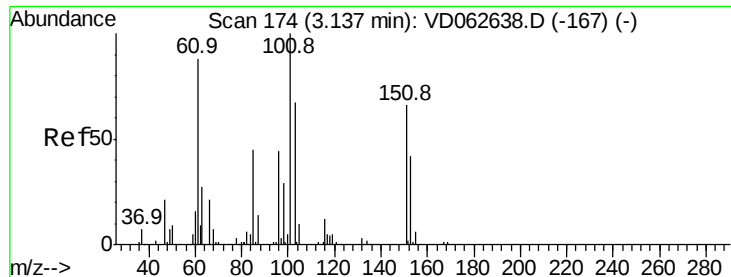


#8

Diethyl Ether
Concen: 20.331 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion: 74 Resp: 41723
Ion Ratio Lower Upper
74 100
45 148.0 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.603 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

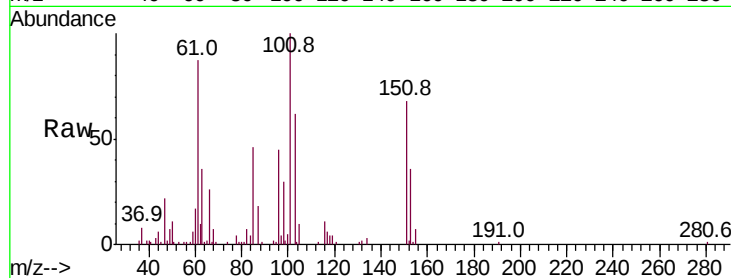
Tot Ion:101 Resp: 175789

Ion Ratio Lower Upper

101 100

85 45.8 36.0 54.0

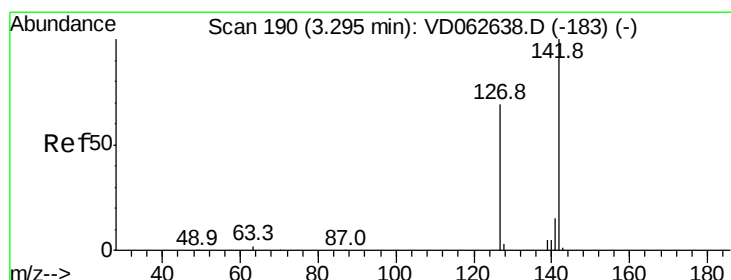
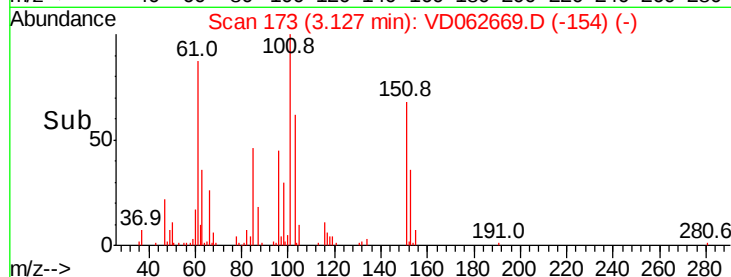
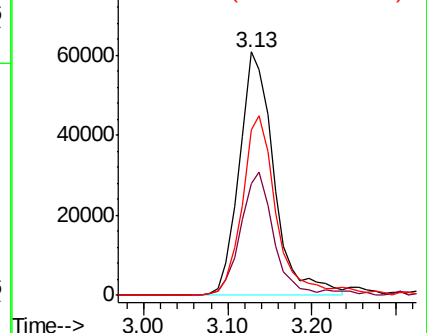
151 68.0 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.472 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

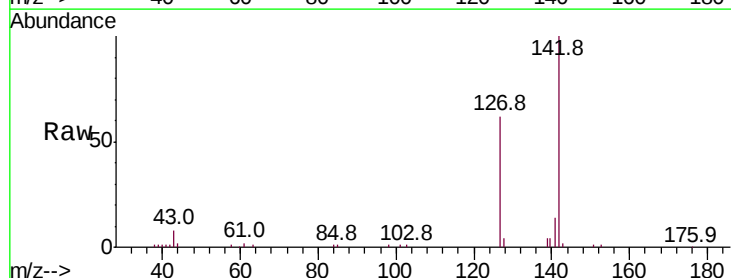
Tgt Ion:142 Resp: 198583

Ion Ratio Lower Upper

142 100

127 62.3 55.2 82.8

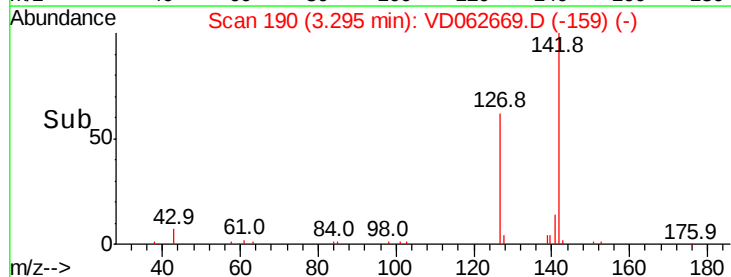
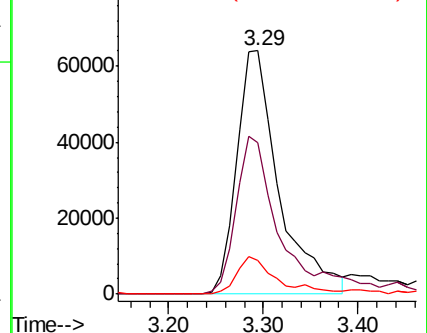
141 13.7 12.1 18.1

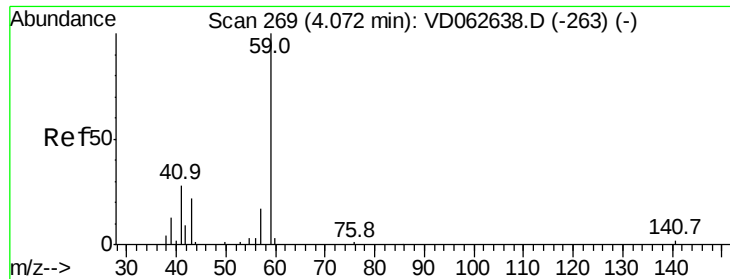


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



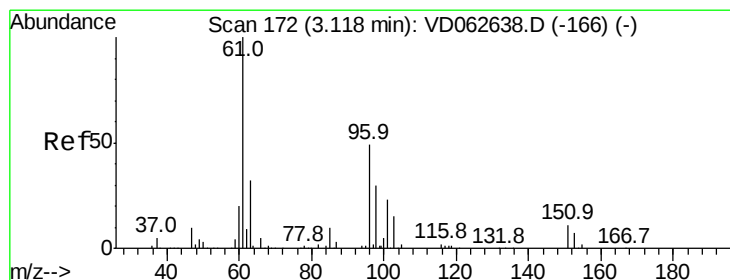
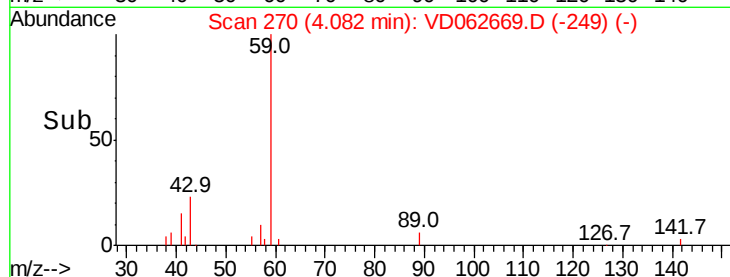
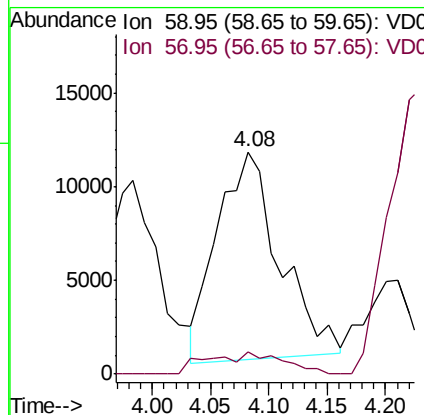
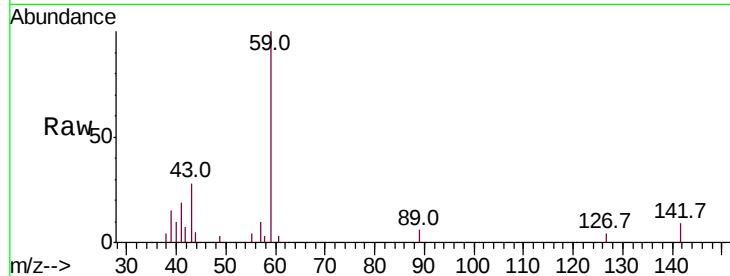


#11

Tert butyl alcohol
 Concen: 105.107 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.01 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

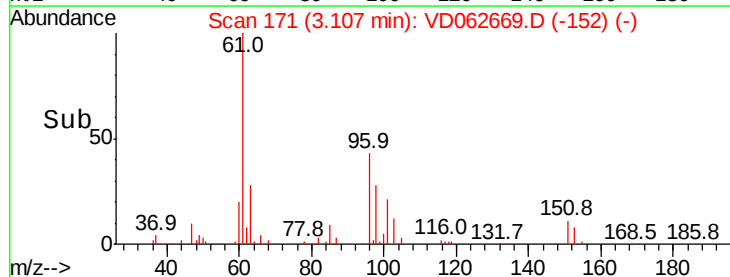
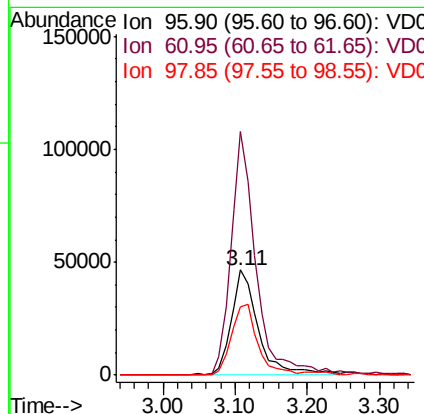
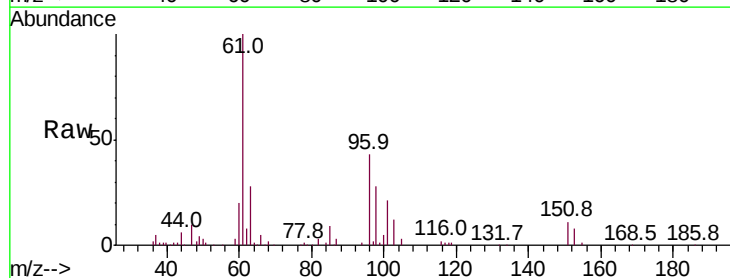
Tot Ion: 59 Resp: 41190
 Ion Ratio Lower Upper
 59 100
 57 10.0 13.7 20.5#

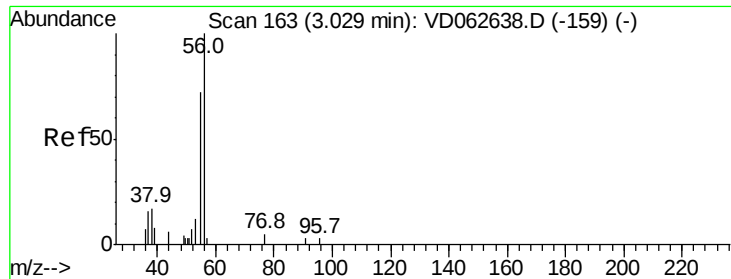


#12

1,1-Dichloroethene
 Concen: 20.905 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

Tgt Ion: 96 Resp: 122080
 Ion Ratio Lower Upper
 96 100
 61 231.5 161.8 242.8
 98 65.2 48.2 72.4





#13

Acrolein

Concen: 93.767 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

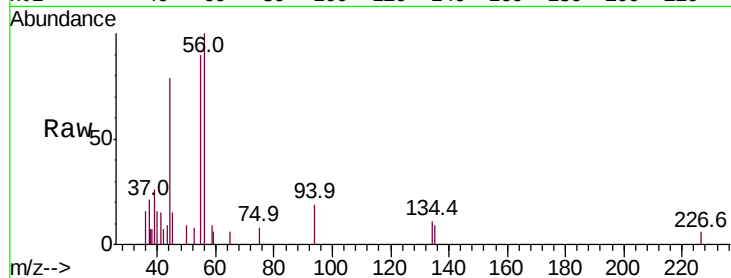
VD0612SBSD01

Tot Ion: 56 Resp: 11820

Ion Ratio Lower Upper

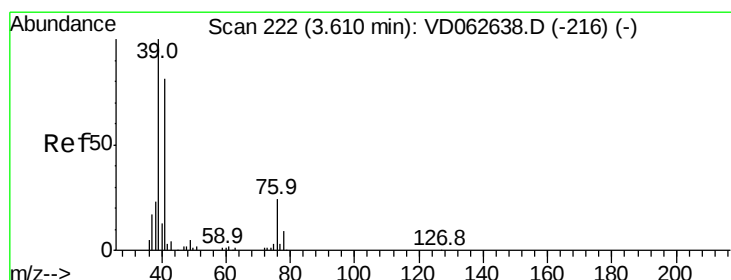
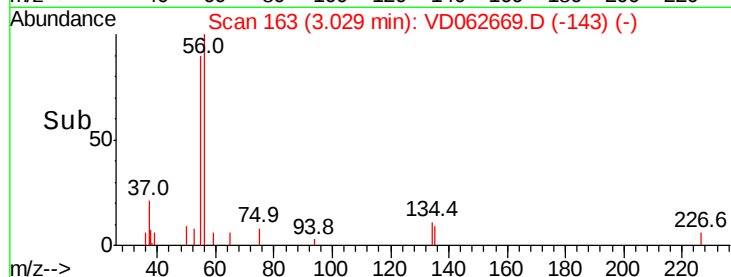
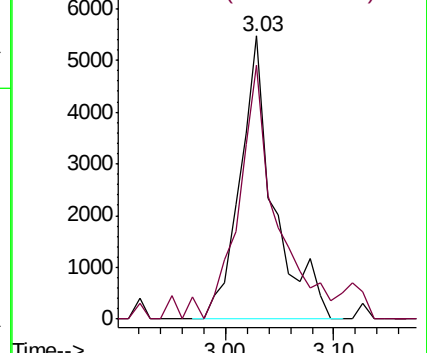
56 100

55 89.8 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.614 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

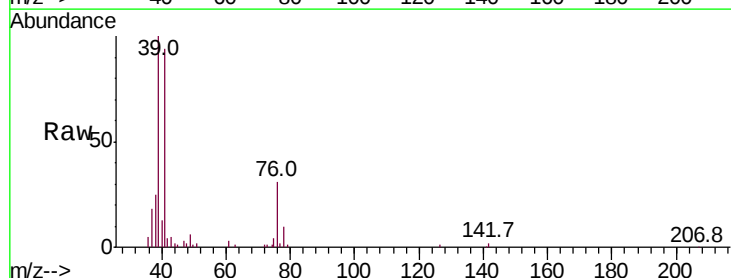
Tgt Ion: 41 Resp: 185092

Ion Ratio Lower Upper

41 100

39 106.5 99.1 148.7

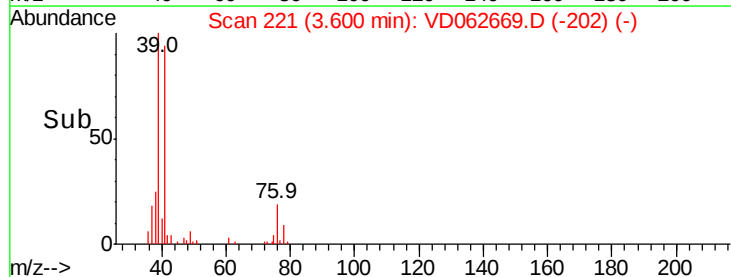
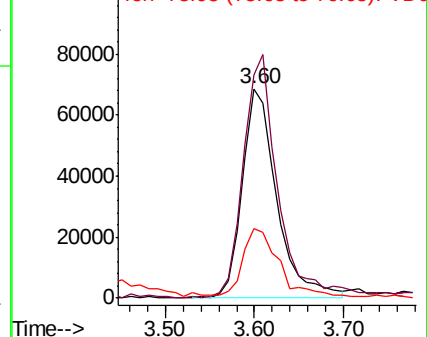
76 33.5 25.0 37.6

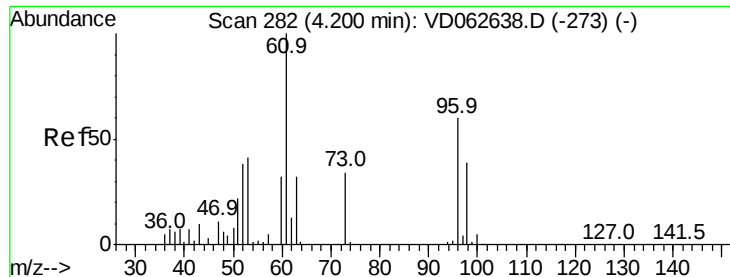


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 118.568 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

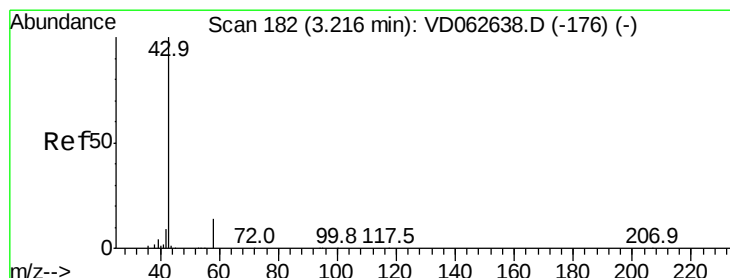
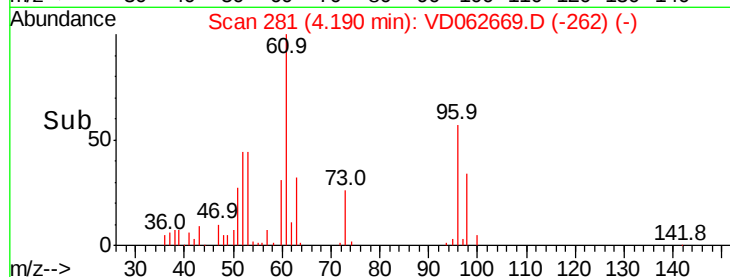
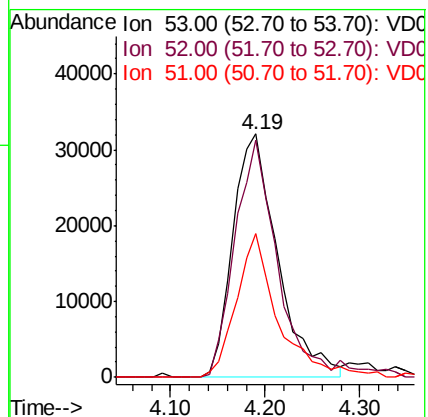
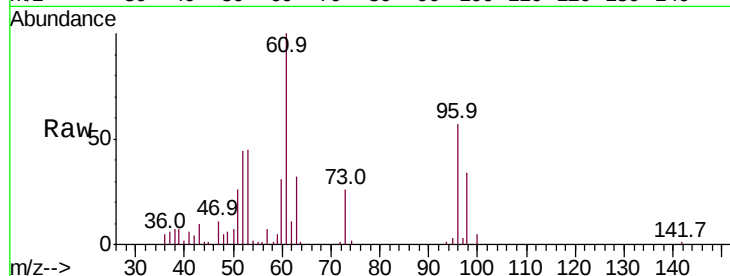
Tot Ion: 53 Resp: 105588

Ion Ratio Lower Upper

53 100

52 97.7 73.6 110.4

51 58.9 42.0 63.0



#16

Acetone

Concen: 109.313 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD062669.D

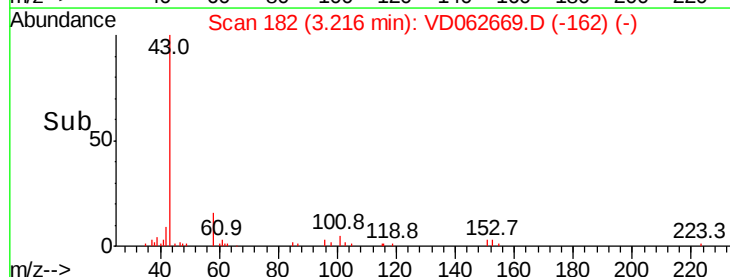
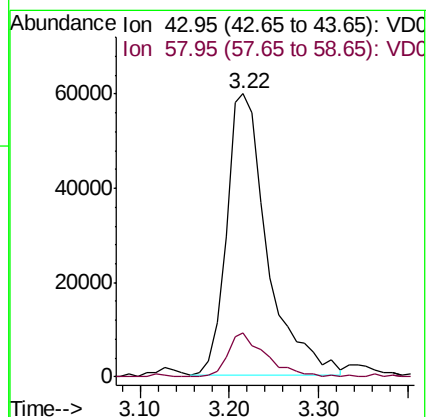
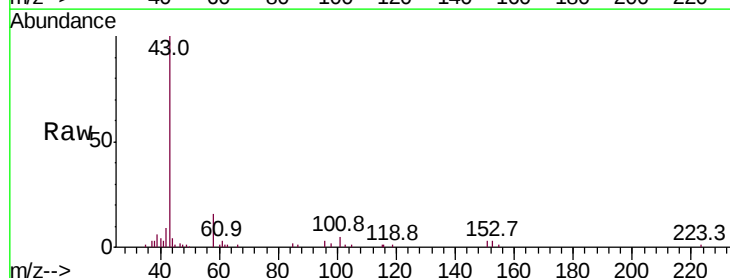
Acq: 12 Jun 2019 12:54

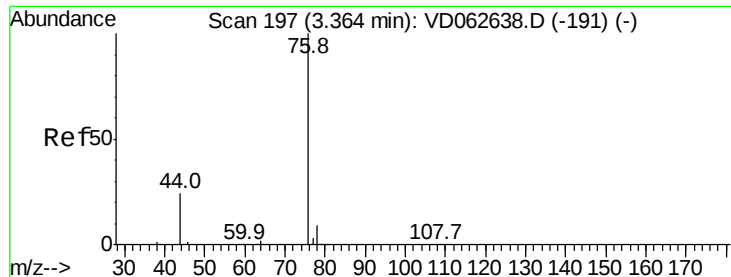
Tgt Ion: 43 Resp: 190836

Ion Ratio Lower Upper

43 100

58 15.8 10.8 16.2

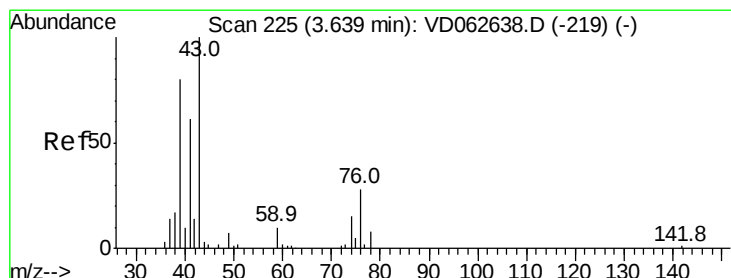
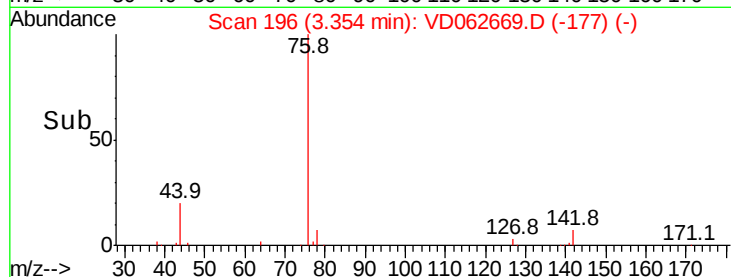
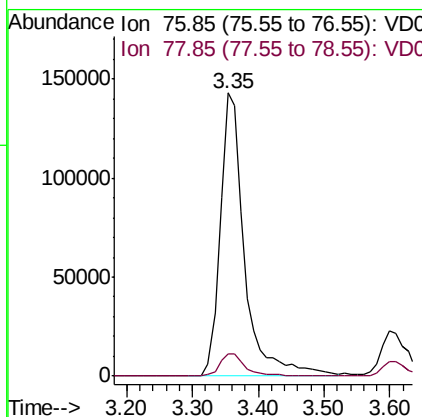
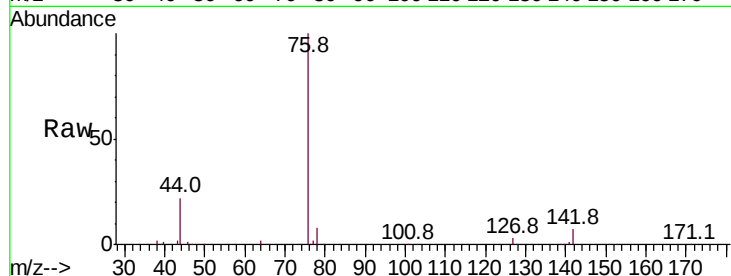




#17
Carbon Disulfide
Concen: 21.355 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

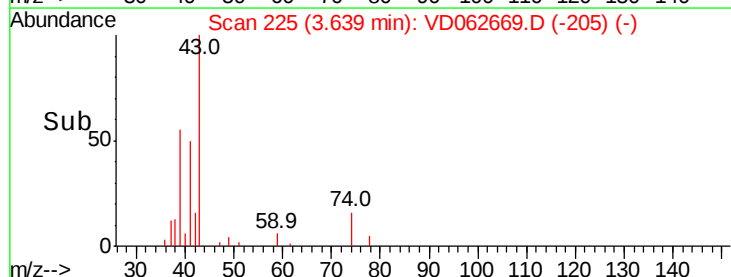
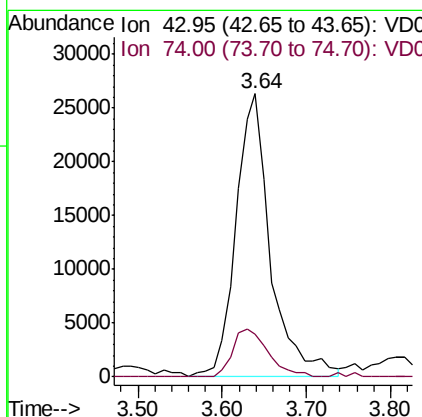
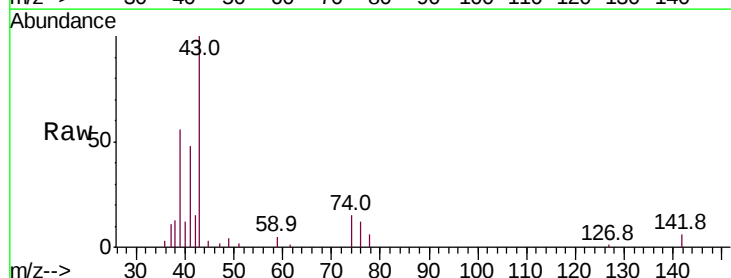
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

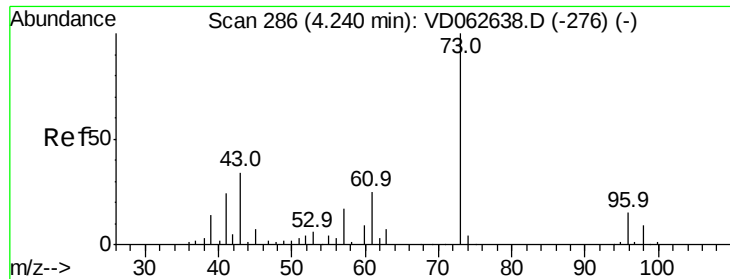
Tot Ion: 76 Resp: 367487
Ion Ratio Lower Upper
76 100
78 7.7 7.0 10.4



#18
Methyl Acetate
Concen: 26.266 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion: 43 Resp: 75360
Ion Ratio Lower Upper
43 100
74 15.3 12.1 18.1

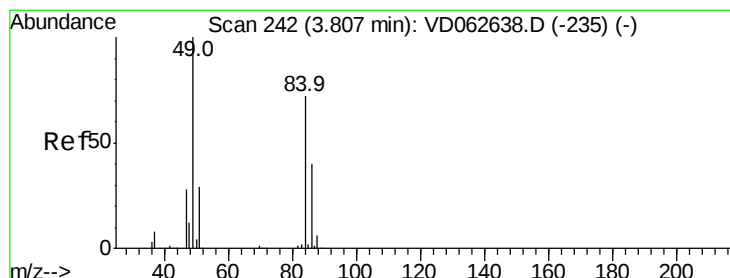
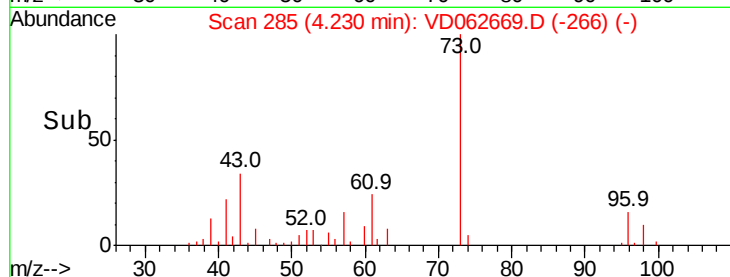
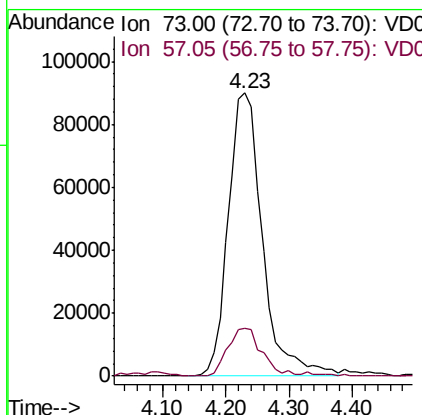
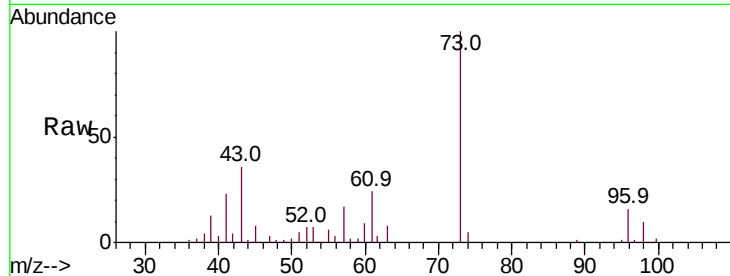




#19
Methyl tert-butyl Ether
Concen: 23.644 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

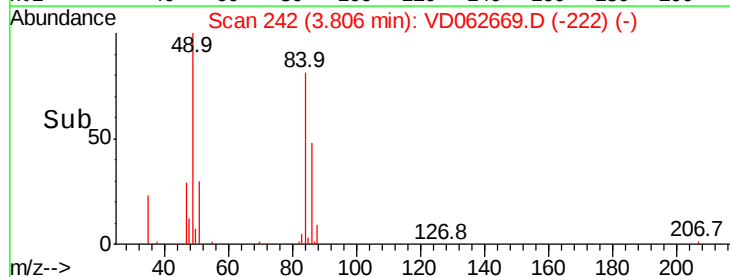
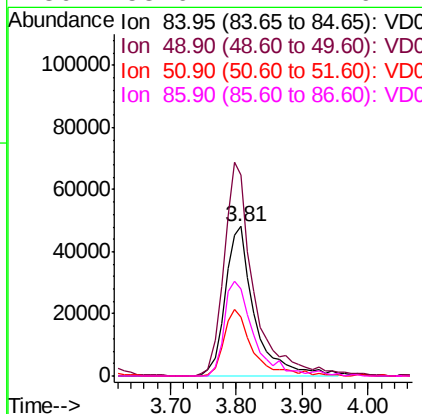
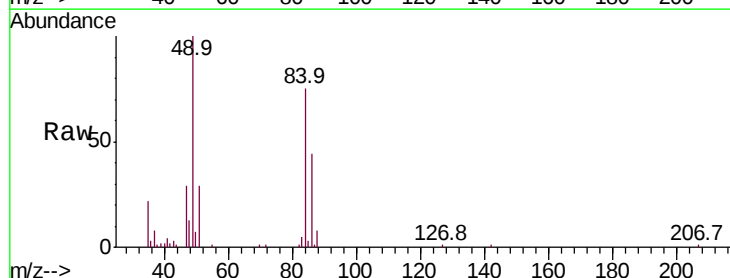
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

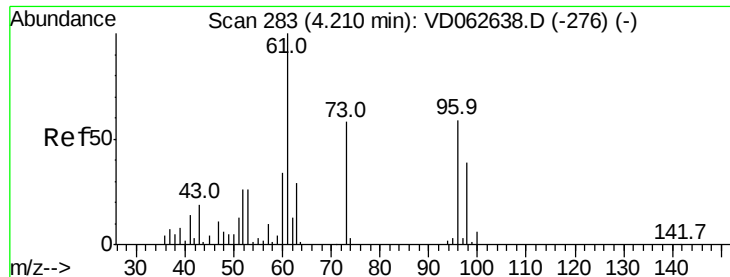
Tot Ion: 73 Resp: 336754
Ion Ratio Lower Upper
73 100
57 16.8 13.5 20.3



#20
Methylene Chloride
Concen: 22.484 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion: 84 Resp: 149909
Ion Ratio Lower Upper
84 100
49 134.2 111.2 166.8
51 39.5 31.9 47.9
86 58.6 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 20.891 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

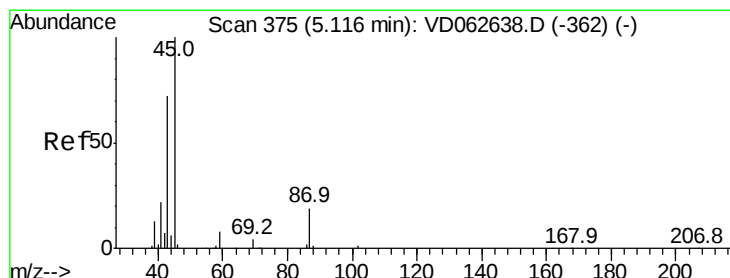
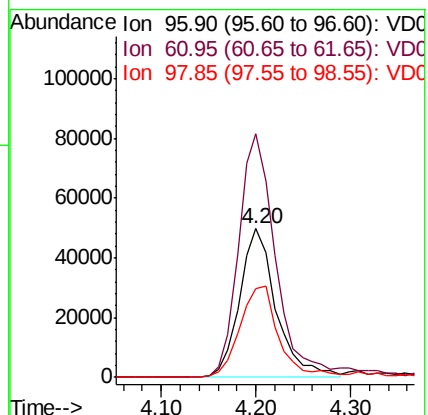
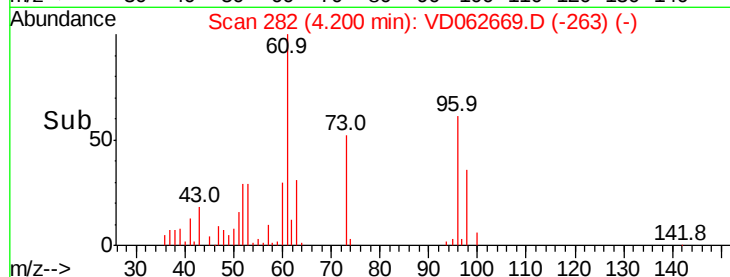
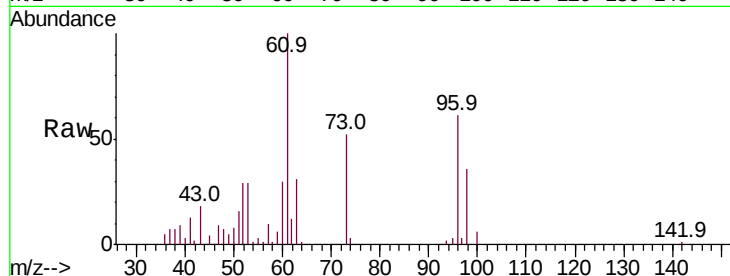
Tot Ion: 96 Resp: 133818

Ion Ratio Lower Upper

96 100

61 163.9 134.6 201.8

98 59.6 51.8 77.8



#22

Diisopropyl ether

Concen: 22.845 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Tgt Ion: 45 Resp: 425925

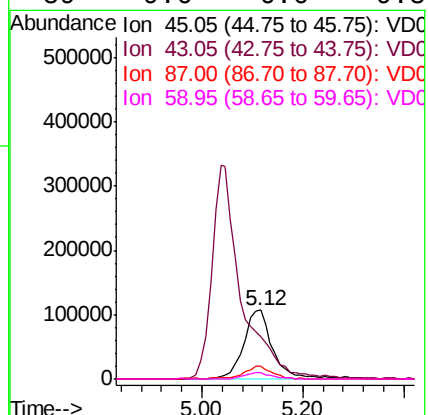
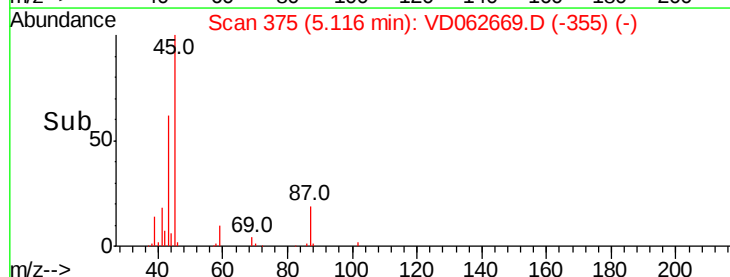
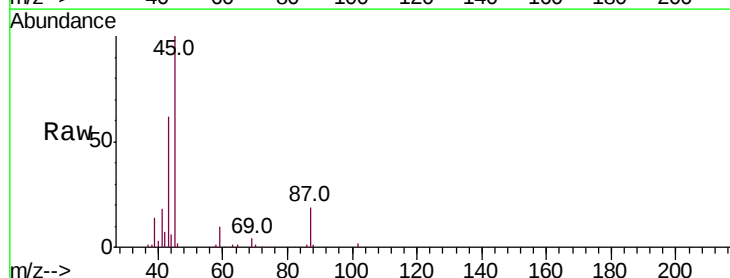
Ion Ratio Lower Upper

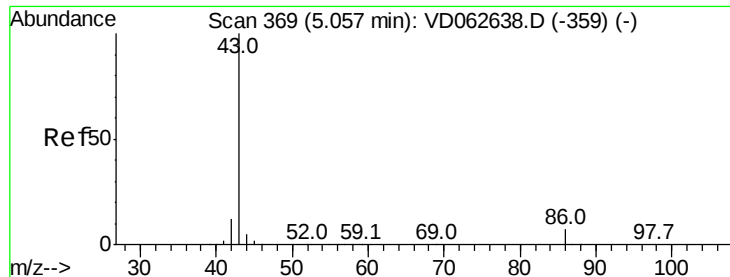
45 100

43 62.1 58.8 88.2

87 18.6 15.7 23.5

59 9.6 6.6 9.8





#23

Vinyl Acetate

Concen: 116.112 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.02 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

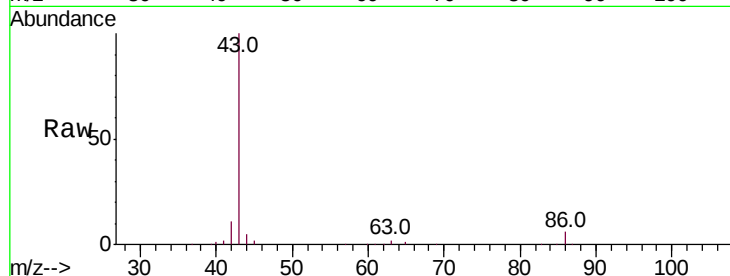
VD0612SBSD01

Tot Ion: 43 Resp: 1342999

Ion Ratio Lower Upper

43 100

86 5.8 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

300000

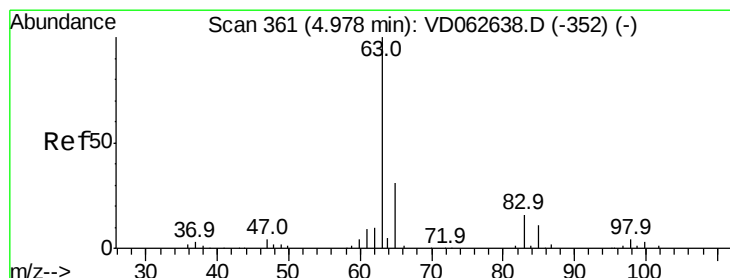
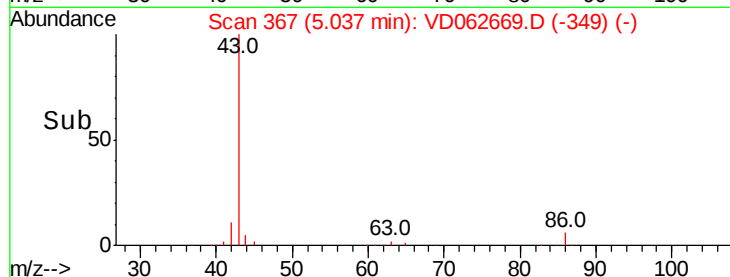
200000

100000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 22.104 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

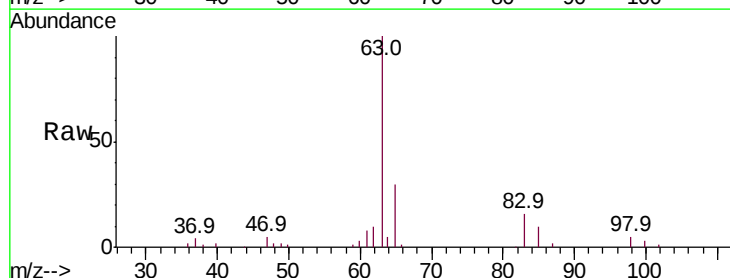
Tgt Ion: 63 Resp: 265110

Ion Ratio Lower Upper

63 100

98 5.3 1.8 5.4

100 3.0 1.5 4.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.97

100000

80000

60000

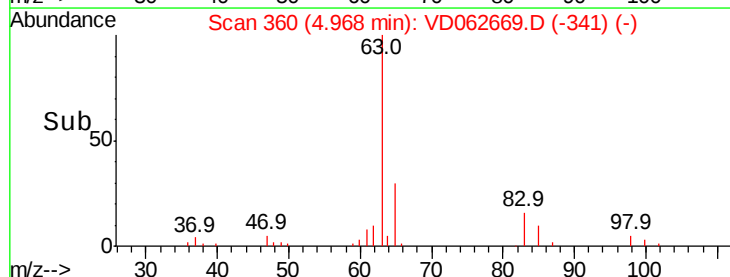
40000

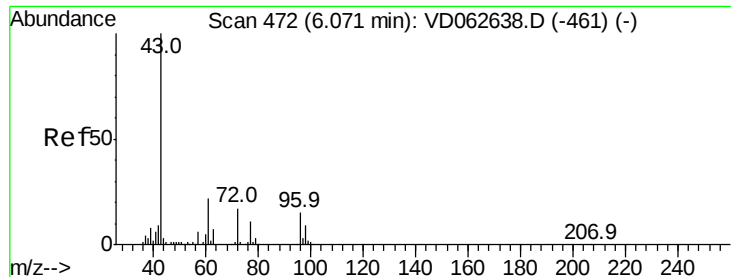
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 117.232 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

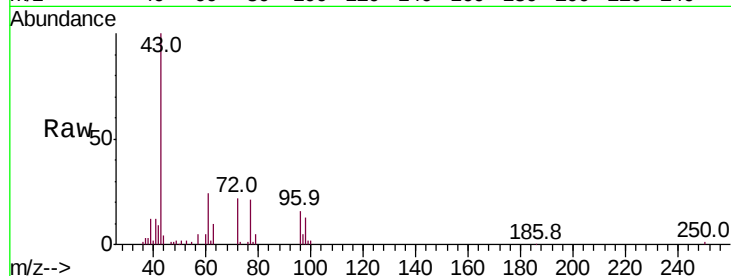
VD0612SBSD01

Tot Ion: 43 Resp: 199665

Ion Ratio Lower Upper

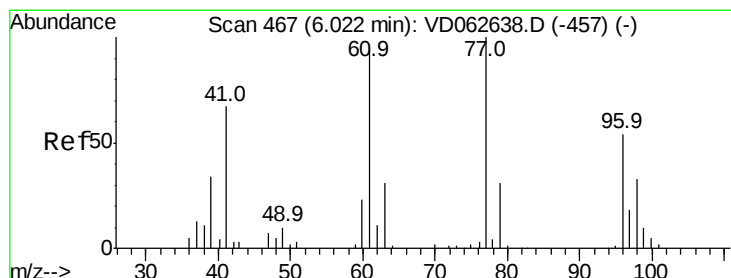
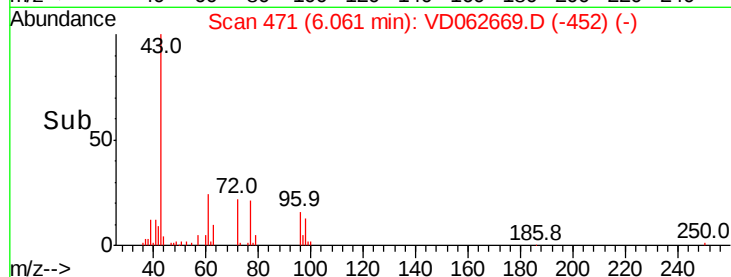
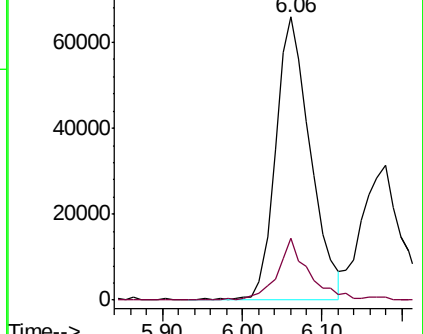
43 100

72 21.8 13.5 20.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.152 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062669.D

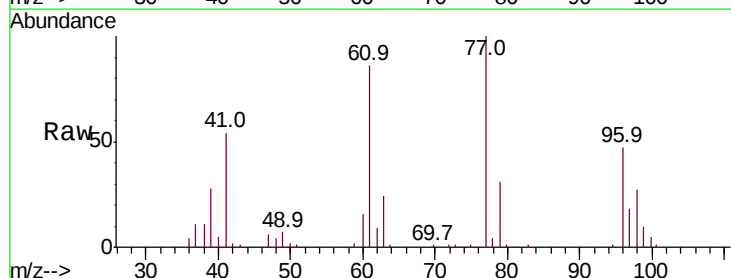
Acq: 12 Jun 2019 12:54

Tgt Ion: 77 Resp: 306215

Ion Ratio Lower Upper

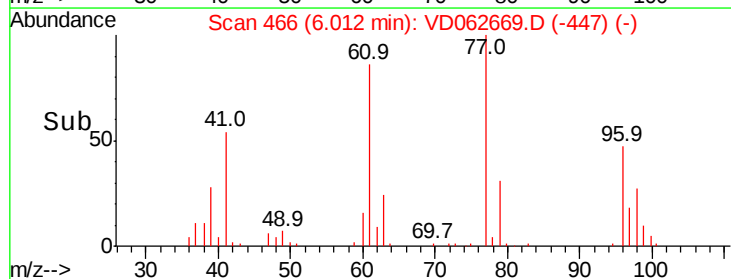
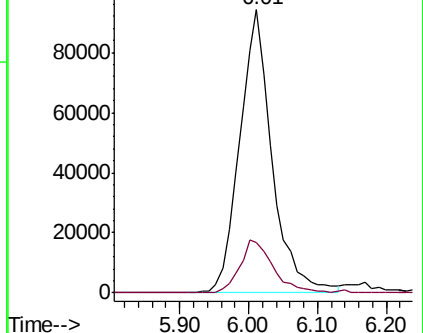
77 100

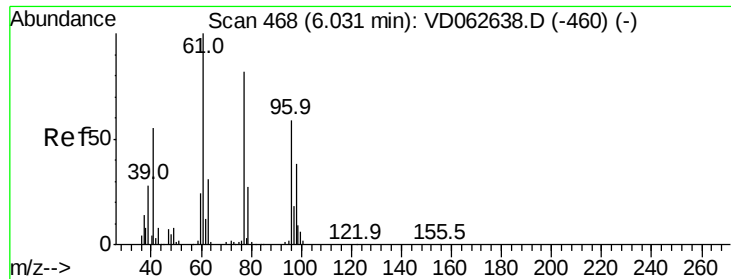
97 17.8 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



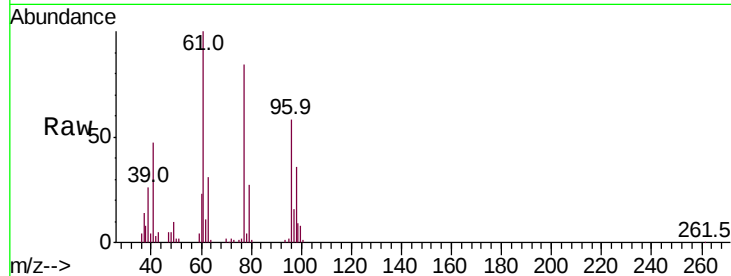


#27

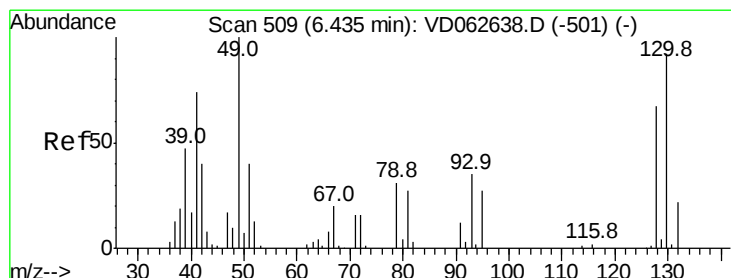
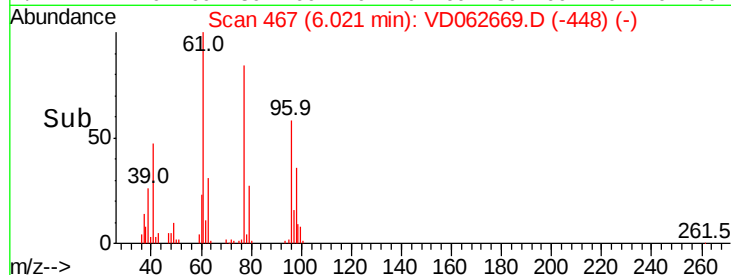
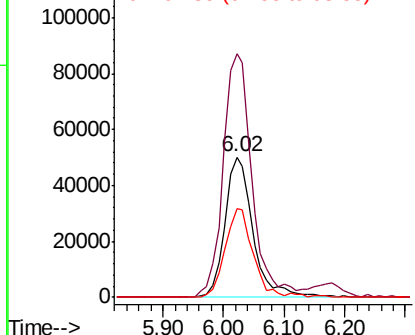
cis-1,2-Dichloroethene
Concen: 23.104 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion: 96 Resp: 160437
Ion Ratio Lower Upper
96 100
61 173.9 0.0 340.0
98 63.3 0.0 127.6



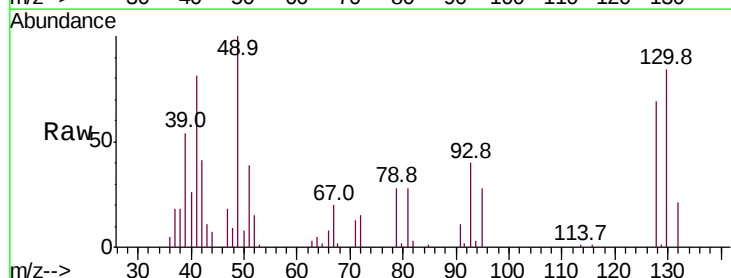
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



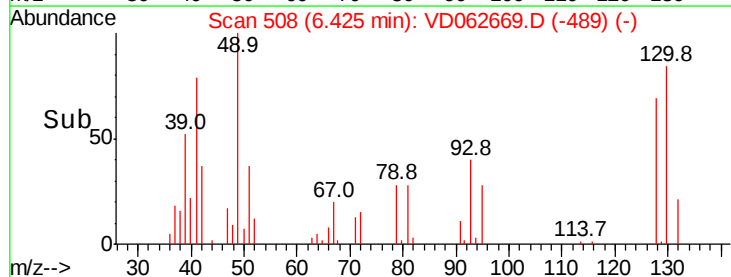
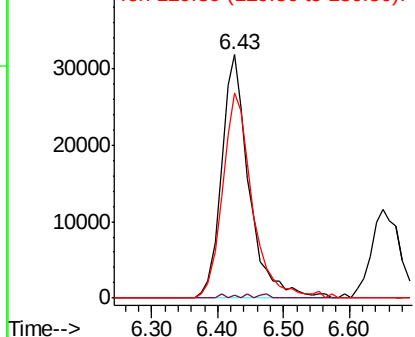
#28

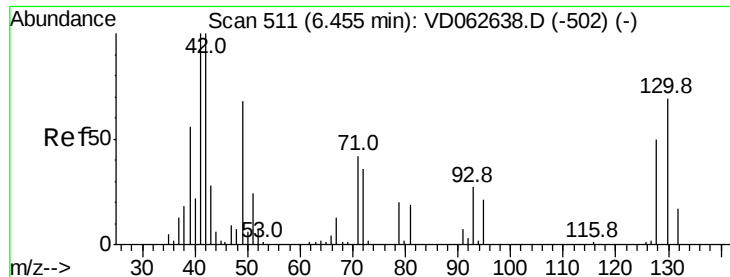
Bromochloromethane
Concen: 20.160 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion: 49 Resp: 92428
Ion Ratio Lower Upper
49 100
129 1.4 0.0 8.2
130 84.3 73.4 110.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 117.360 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

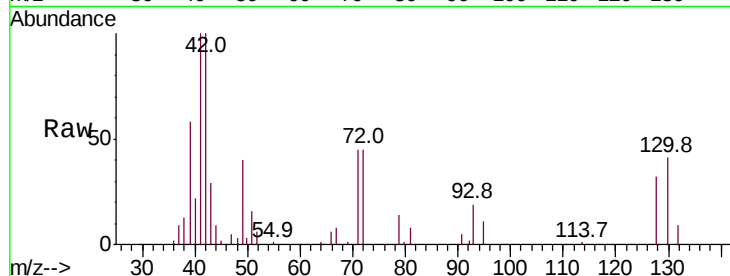
Tot Ion: 42 Resp: 90013

Ion Ratio Lower Upper

42 100

72 44.4 33.8 50.6

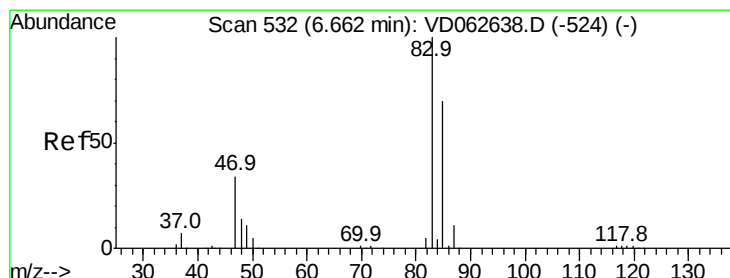
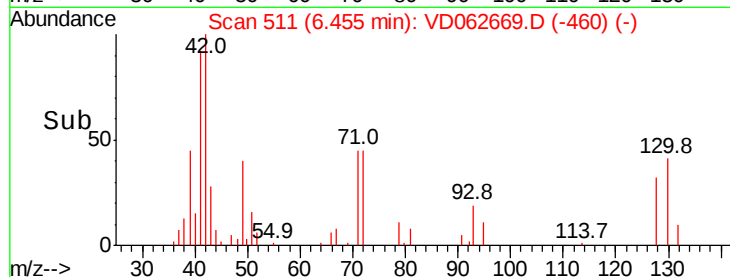
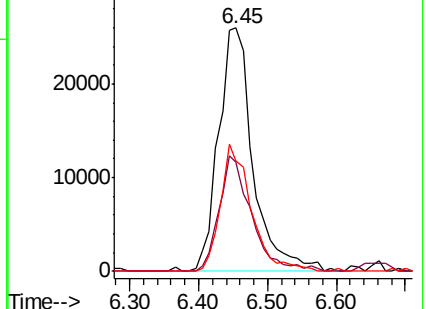
71 46.5 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 23.427 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD062669.D

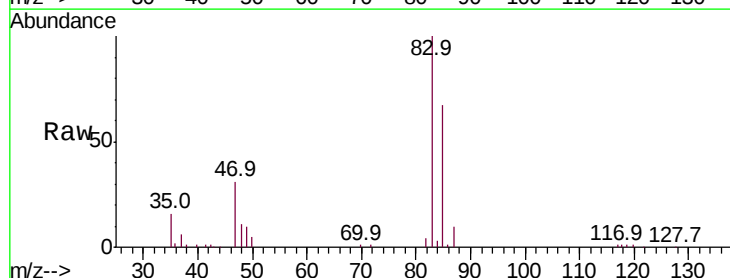
Acq: 12 Jun 2019 12:54

Tgt Ion: 83 Resp: 360510

Ion Ratio Lower Upper

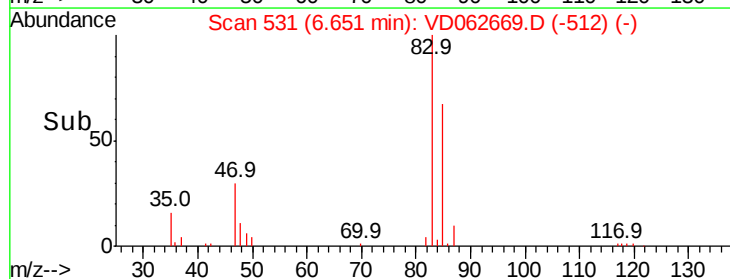
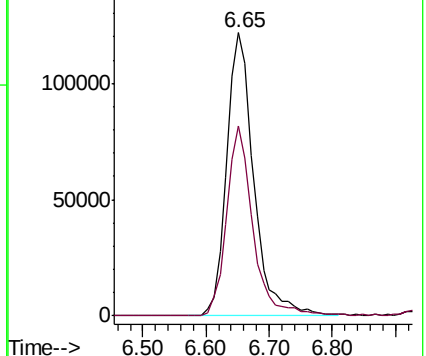
83 100

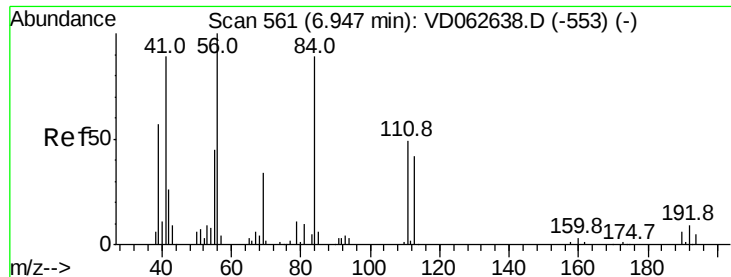
85 67.0 55.8 83.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 22.501 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

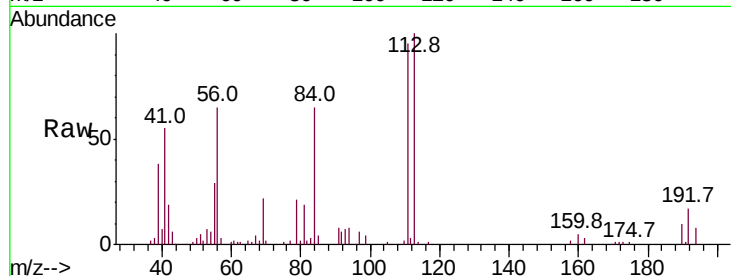
Tot Ion: 56 Resp: 169289

Ion Ratio Lower Upper

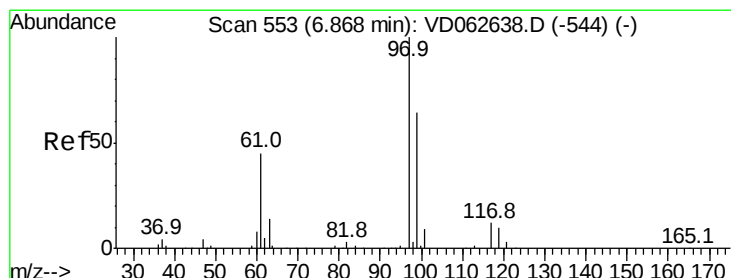
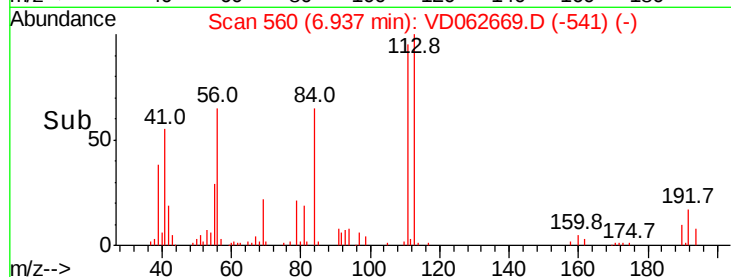
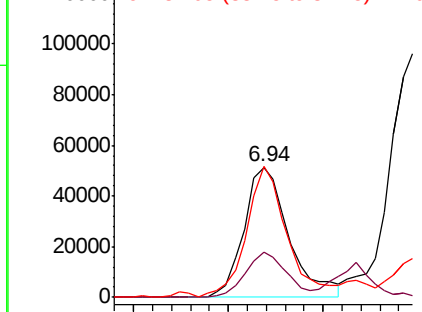
56 100

69 34.5 26.8 40.2

84 100.6 73.9 110.9



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 22.662 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.02 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

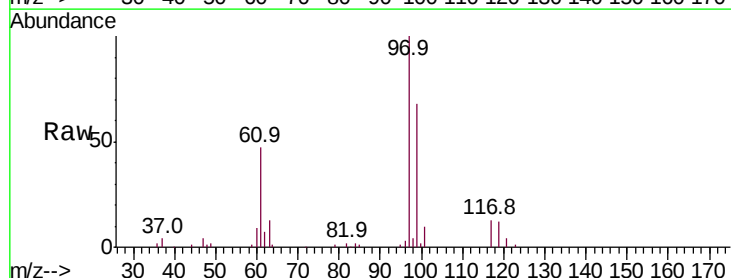
Tgt Ion: 97 Resp: 347007

Ion Ratio Lower Upper

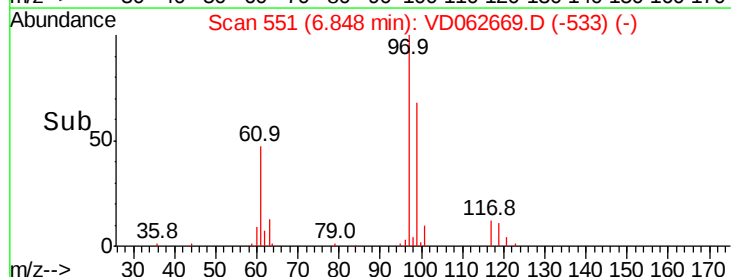
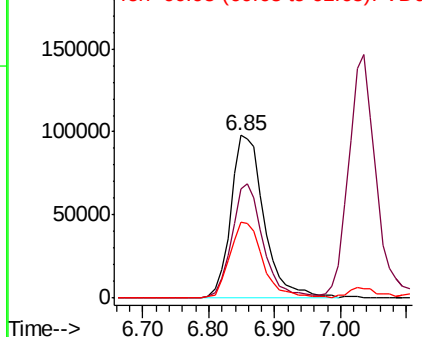
97 100

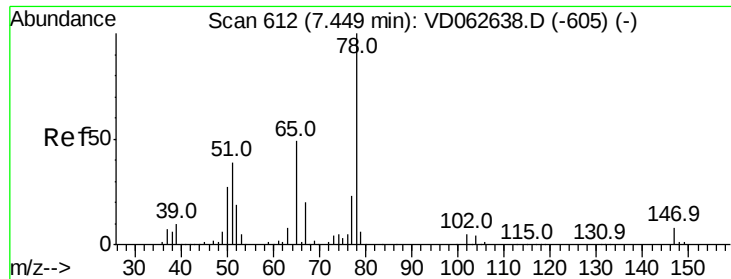
99 67.5 51.4 77.0

61 46.5 35.6 53.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 56.581 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

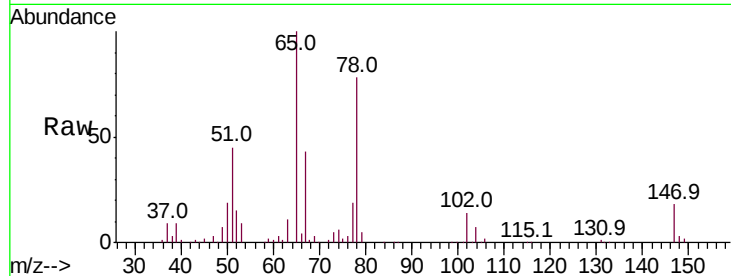
VD0612SBSD01

Tot Ion: 65 Resp: 539433

Ion Ratio Lower Upper

65 100

67 43.1 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

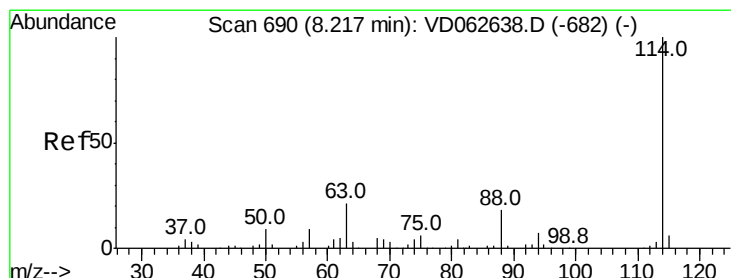
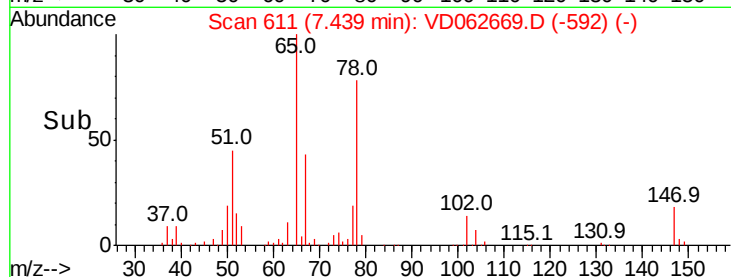
50000

0

7.44

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

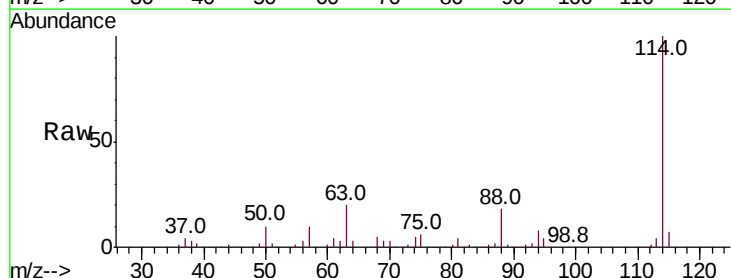
Tgt Ion: 114 Resp: 861038

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 18.2 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

400000

300000

200000

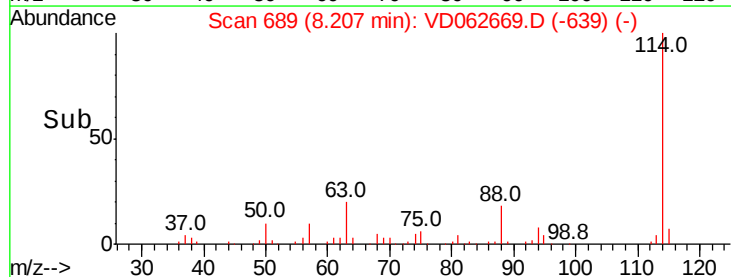
100000

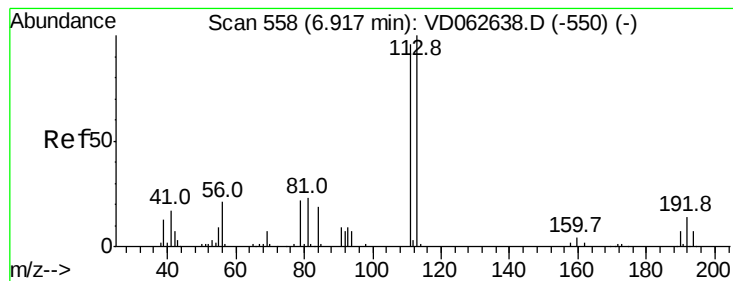
0

8.21

8.10 8.20 8.30 8.40 8.50

Time-->





#35

Dibromofluoromethane

Concen: 60.208 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

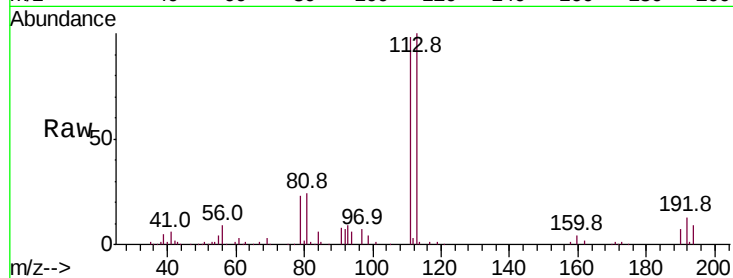
Tot Ion:113 Resp: 546737

Ion Ratio Lower Upper

113 100

111 98.1 76.4 114.6

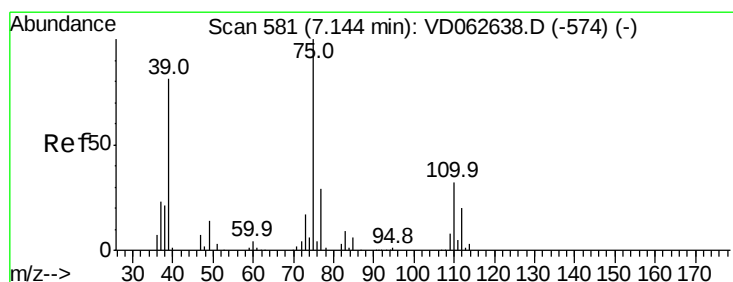
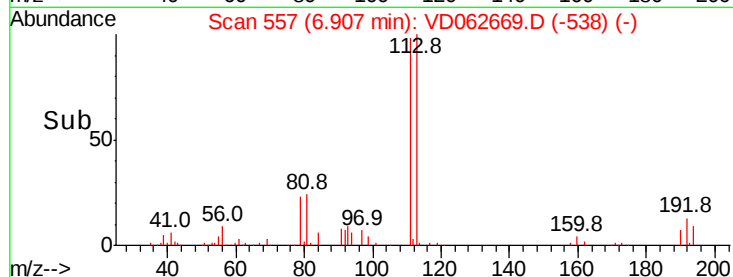
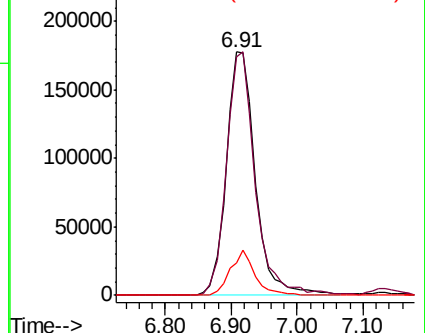
192 13.3 11.4 17.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.826 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

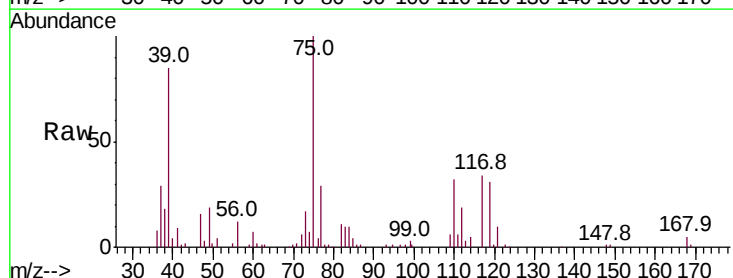
Tgt Ion: 75 Resp: 215082

Ion Ratio Lower Upper

75 100

110 31.7 15.9 47.7

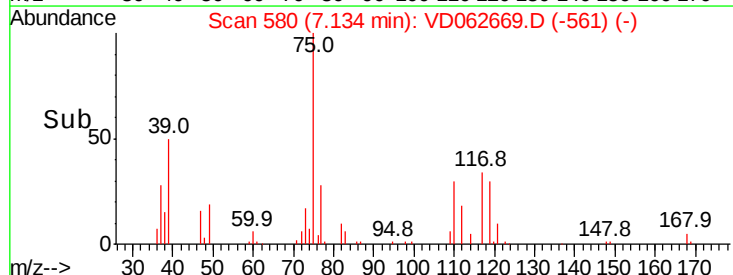
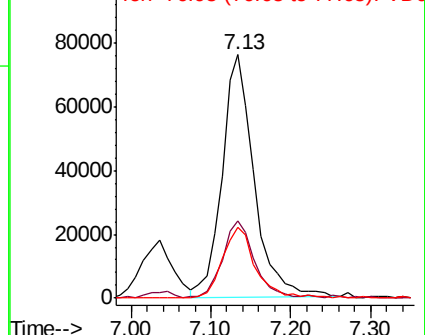
77 29.0 23.3 34.9

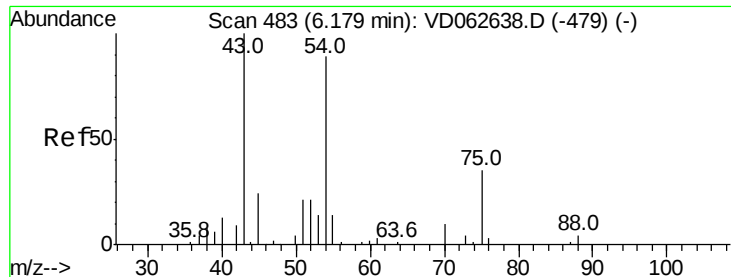


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

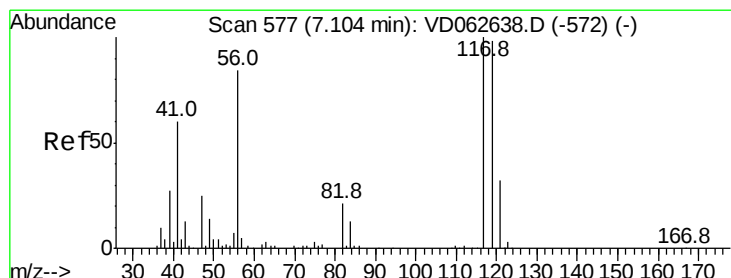
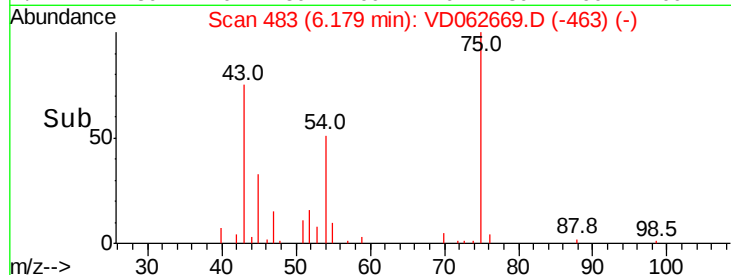
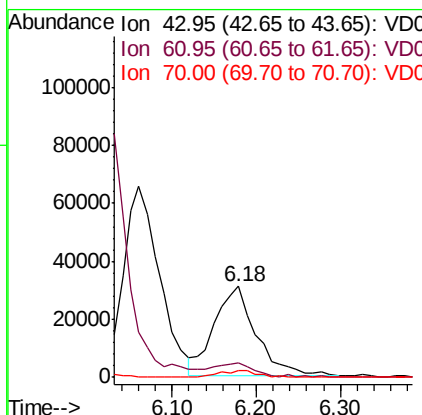
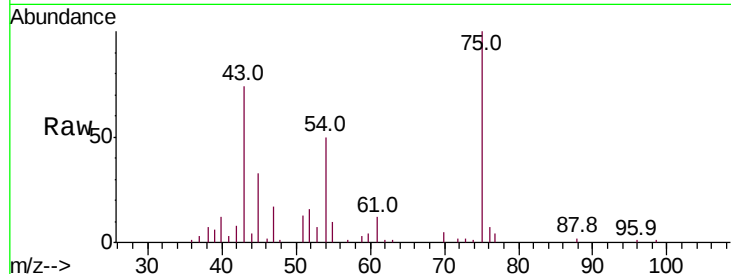




#37
Ethyl Acetate
Concen: 26.140 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

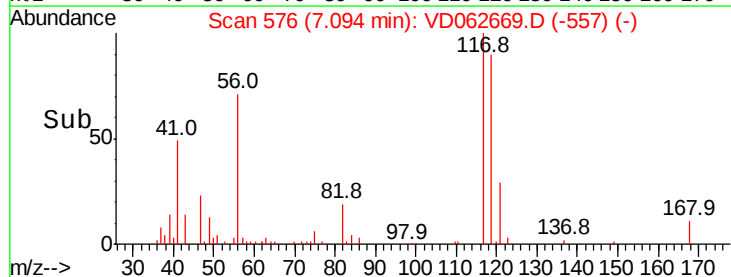
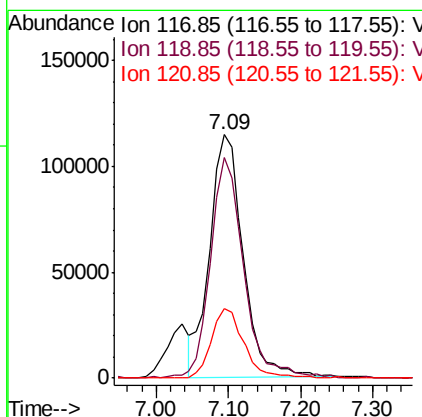
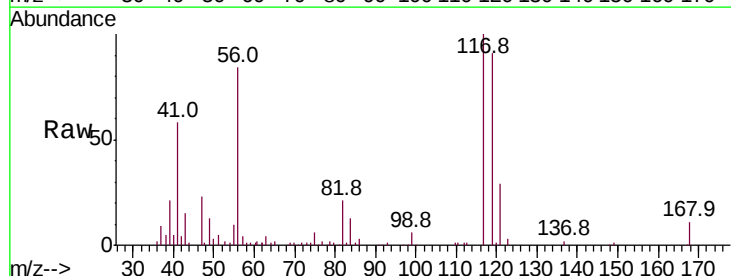
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

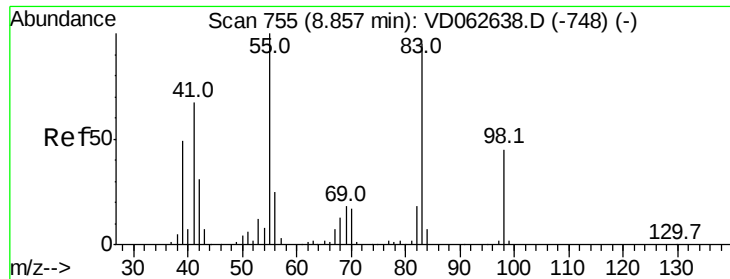
Tot Ion: 43 Resp: 107367
Ion Ratio Lower Upper
43 100
61 16.0 8.7 13.1#
70 6.9 6.5 9.7



#38
Carbon Tetrachloride
Concen: 23.685 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion: 117 Resp: 368917
Ion Ratio Lower Upper
117 100
119 90.6 73.5 110.3
121 28.8 24.2 36.4

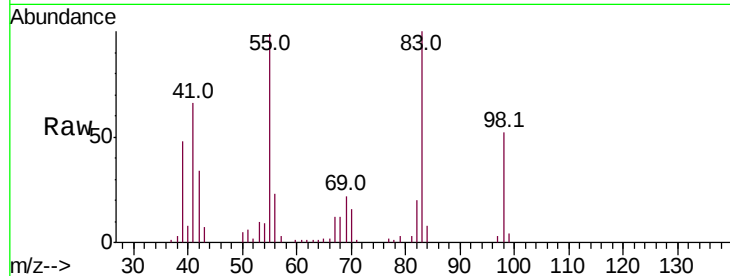




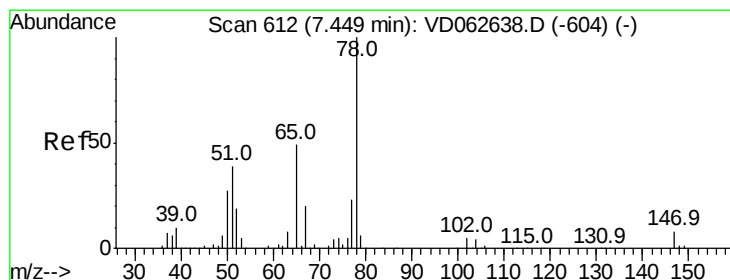
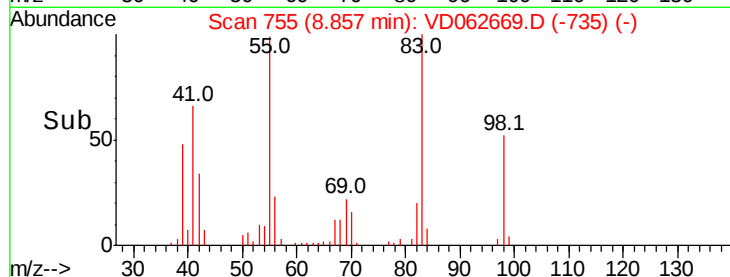
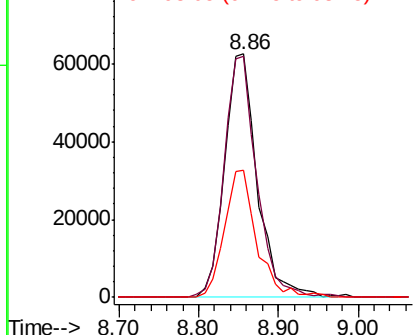
#39
Methvlcvclohexane
Concen: 22.597 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion: 83 Resp: 179949
Ion Ratio Lower Upper
83 100
55 99.2 84.6 127.0
98 52.3 38.2 57.4

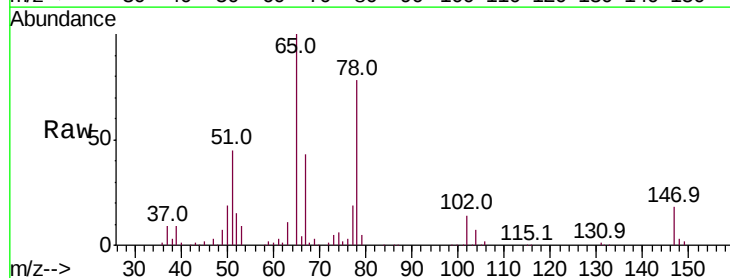


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

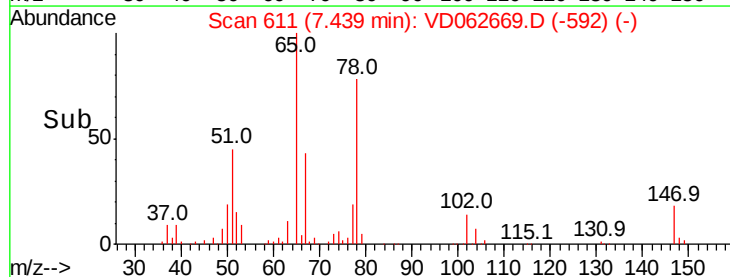
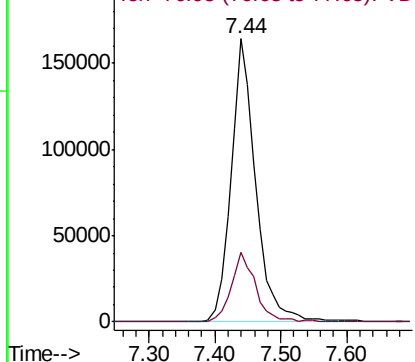


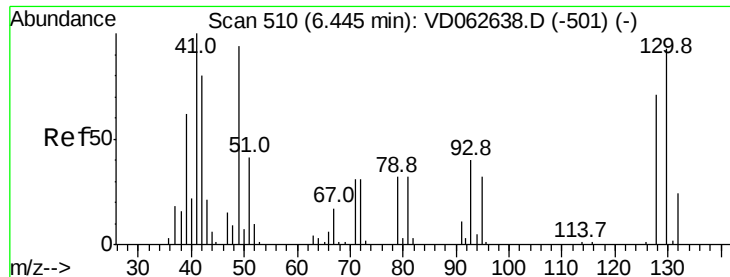
#40
Benzene
Concen: 22.294 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion: 78 Resp: 429040
Ion Ratio Lower Upper
78 100
77 24.8 18.6 28.0



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 24.482 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

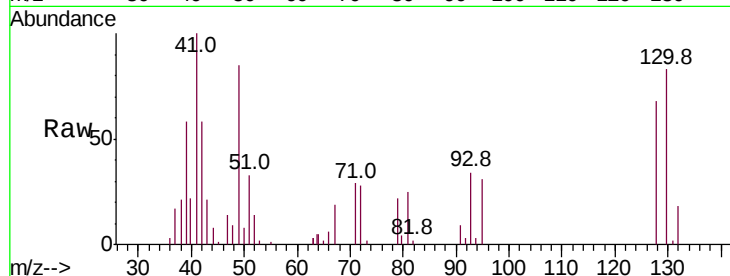
ClientSampleId :

VD0612SBSD01

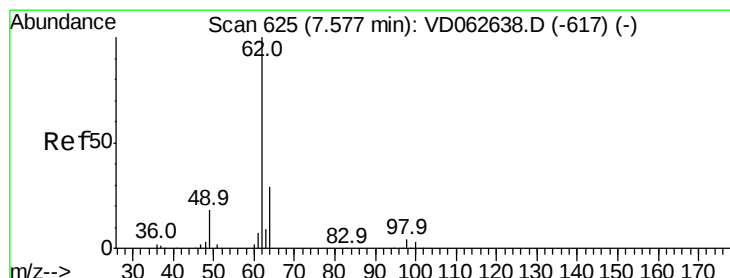
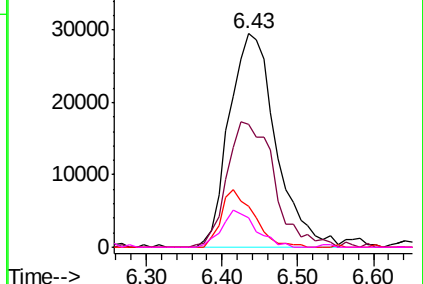
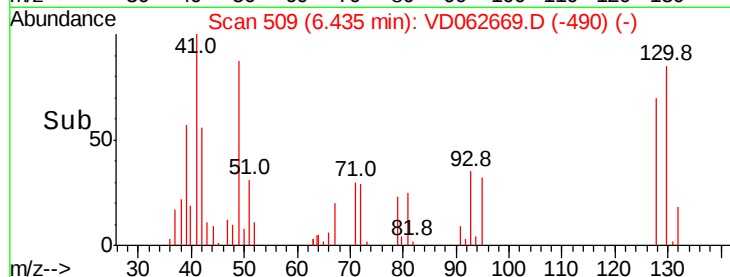
Tot Ion: 41 Resp: 126293

Ion Ratio Lower Upper

41	100		
39	57.5	49.2	73.8
67	19.5	13.9	20.9
52	13.7	7.6	11.4#



Abundance Ion 40.95 (40.65 to 41.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC
 Ion 67.00 (66.70 to 67.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.278 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.01 min

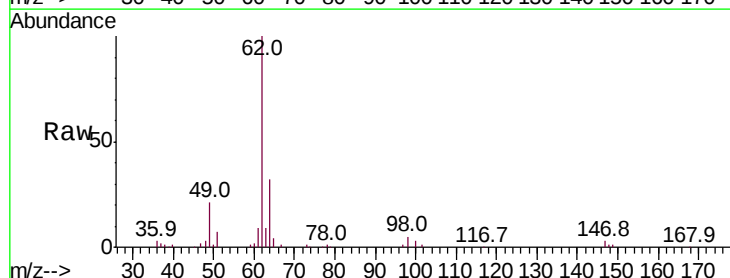
Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

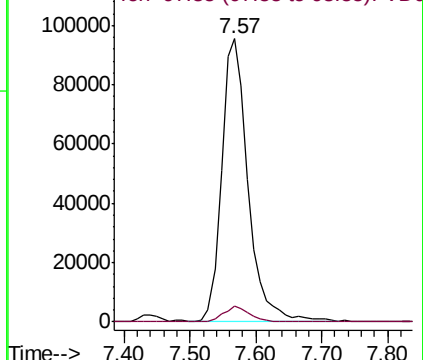
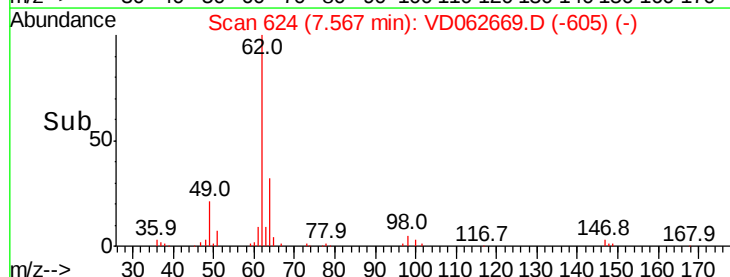
Tgt Ion: 62 Resp: 267016

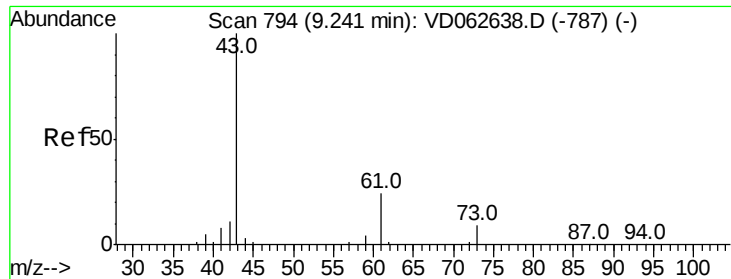
Ion Ratio Lower Upper

62	100		
98	5.5	0.0	7.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 23.129 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

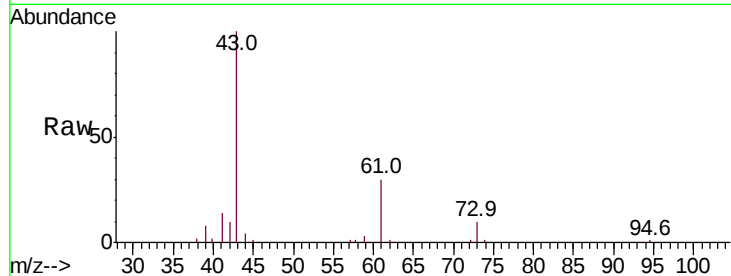
Tot Ion: 43 Resp: 120265

Ion Ratio Lower Upper

43 100

61 29.7 19.0 28.6#

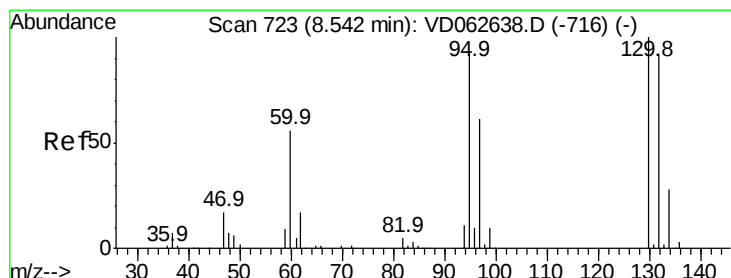
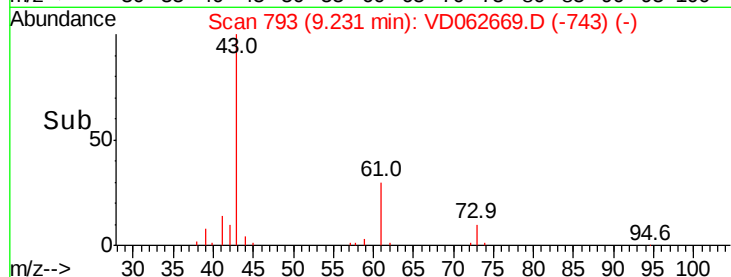
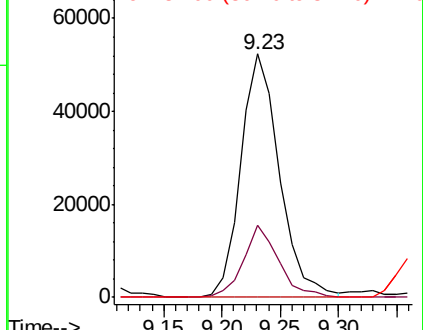
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.088 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD062669.D

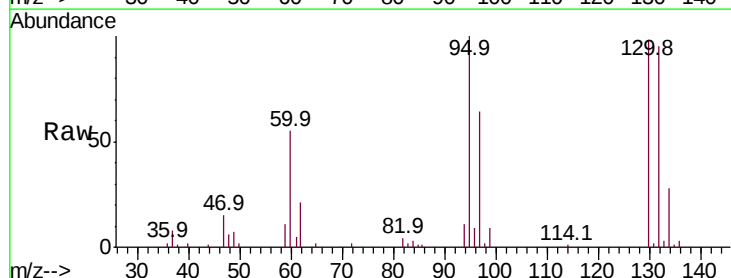
Acq: 12 Jun 2019 12:54

Tgt Ion:130 Resp: 172576

Ion Ratio Lower Upper

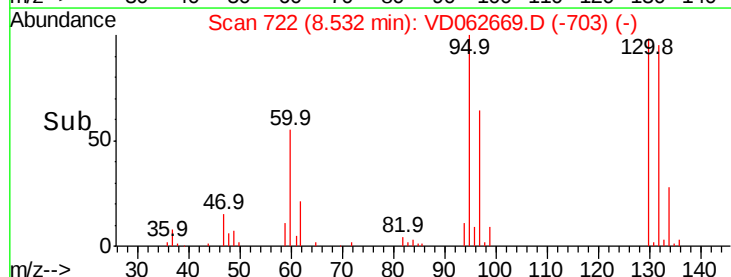
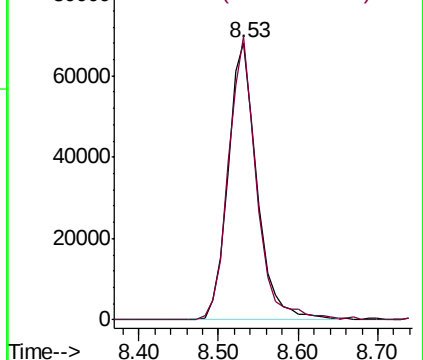
130 100

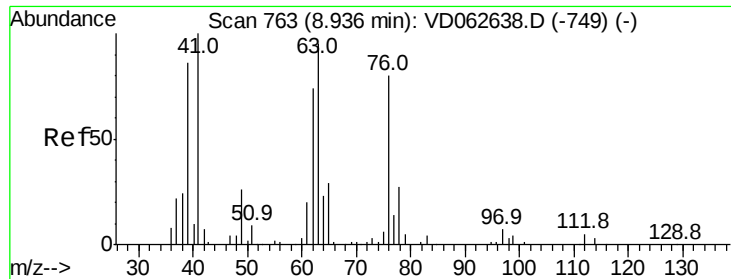
95 102.0 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 24.314 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

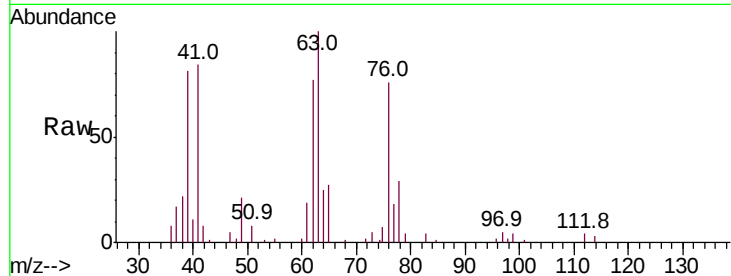
VD0612SBSD01

Tot Ion: 63 Resp: 112396

Ion Ratio Lower Upper

63 100

65 27.0 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

40000

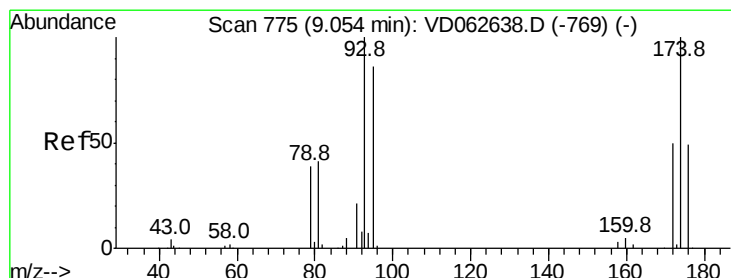
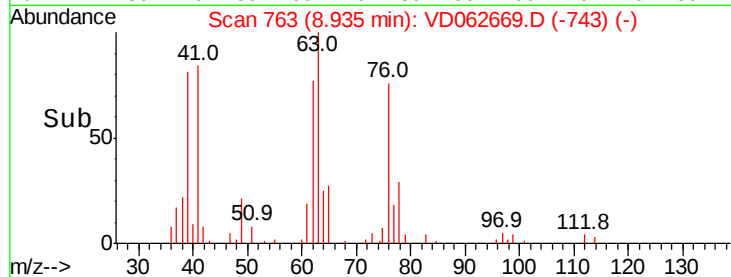
30000

20000

10000

0

Time--> 8.80 8.90 9.00



#46

Dibromomethane

Concen: 24.083 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

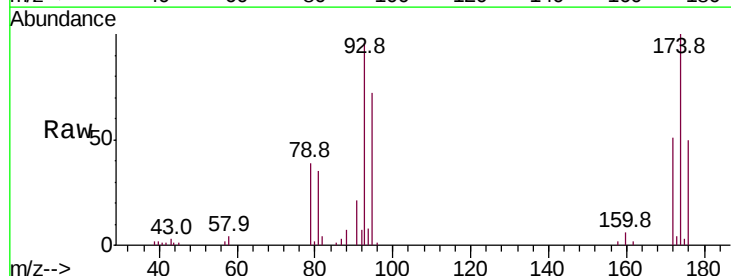
Tgt Ion: 93 Resp: 98819

Ion Ratio Lower Upper

93 100

95 75.1 68.7 103.1

174 104.2 79.8 119.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.05

40000

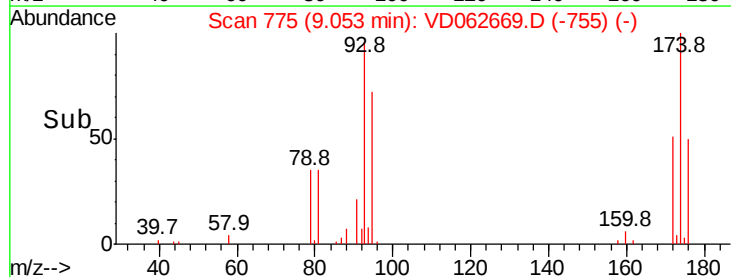
30000

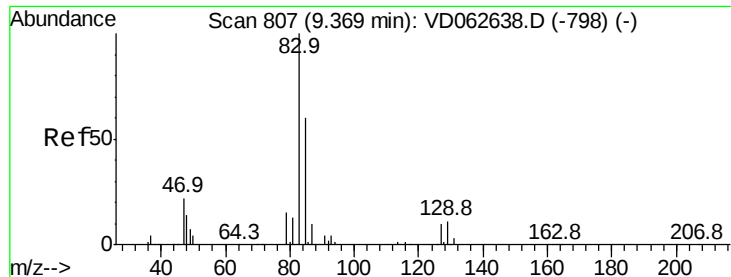
20000

10000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 22.824 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

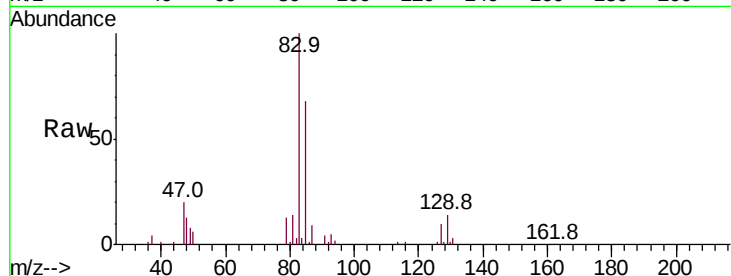
Tot Ion: 83 Resp: 254761

Ion Ratio Lower Upper

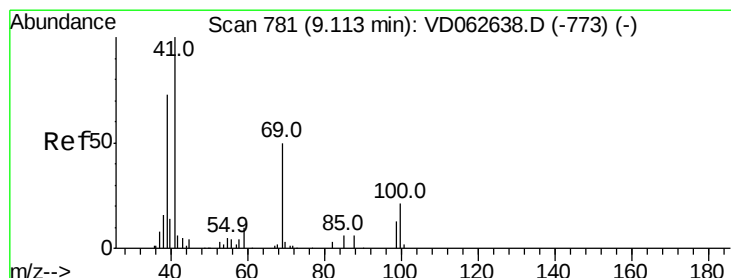
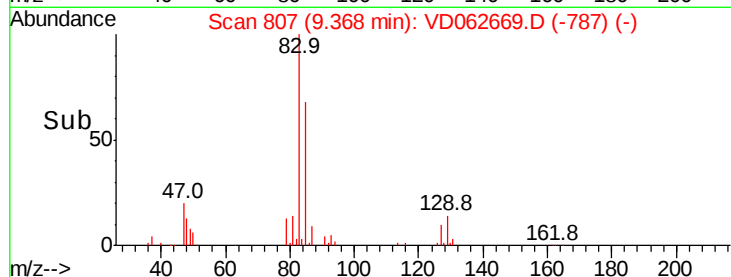
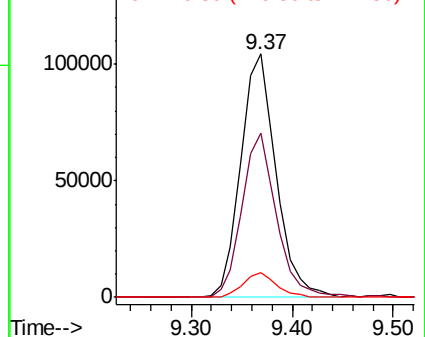
83 100

85 67.7 47.9 71.9

127 10.3 8.2 12.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 23.271 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

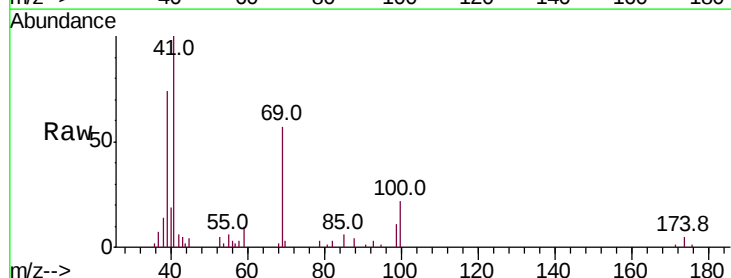
Tgt Ion: 41 Resp: 87419

Ion Ratio Lower Upper

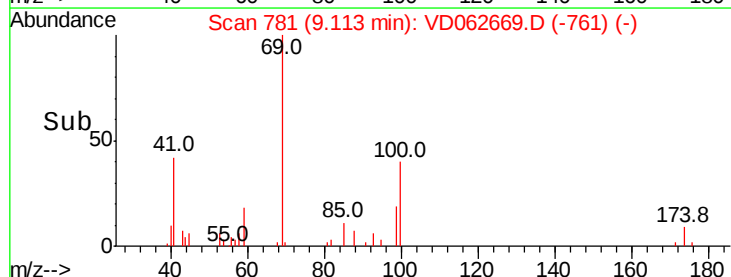
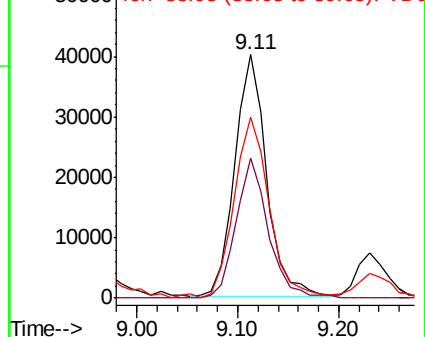
41 100

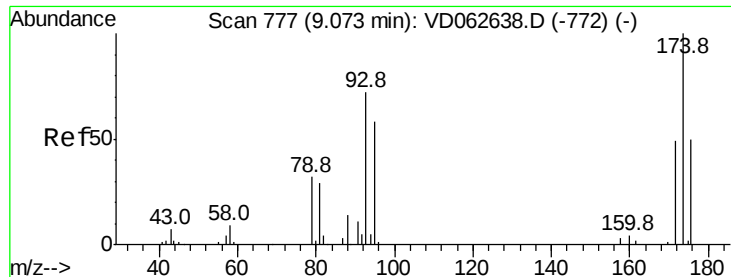
69 57.4 39.8 59.6

39 74.2 59.1 88.7



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 488.240 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

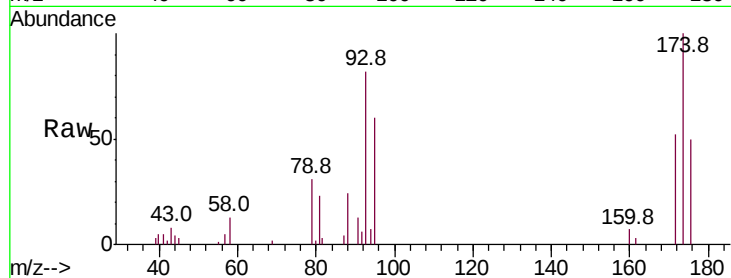
Tot Ion: 88 Resp: 15548

Ion Ratio Lower Upper

88 100

43 34.7 40.7 61.1#

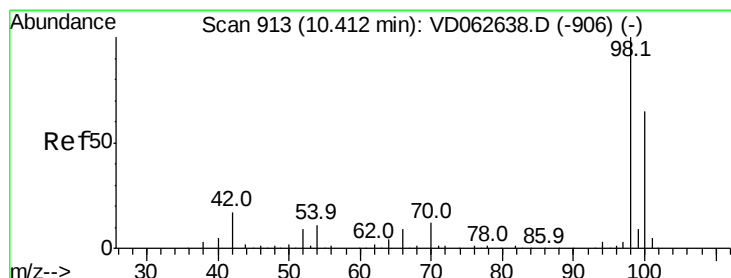
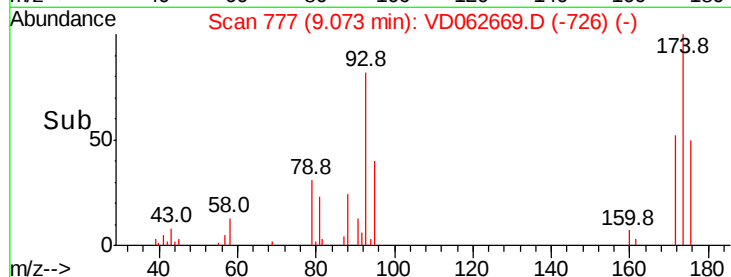
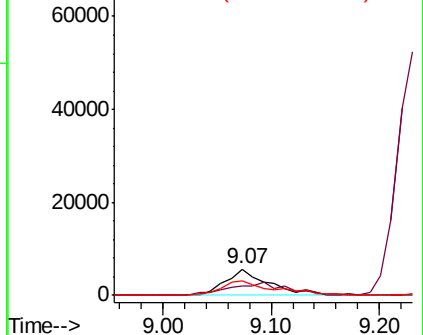
58 54.5 54.2 81.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 57.893 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD062669.D

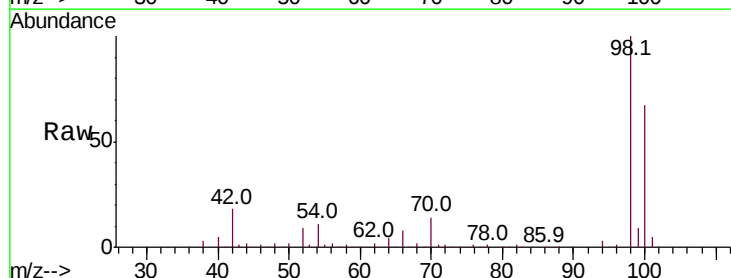
Acq: 12 Jun 2019 12:54

Tgt Ion: 98 Resp: 1105920

Ion Ratio Lower Upper

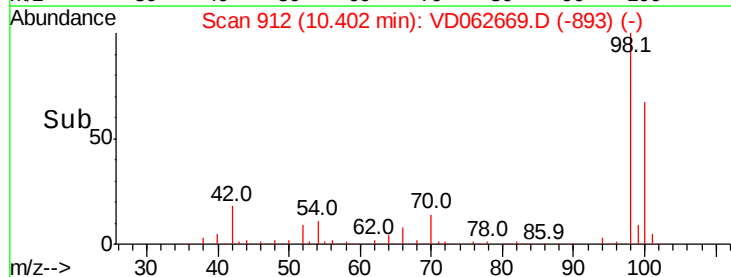
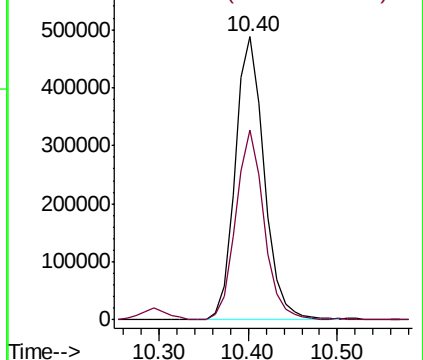
98 100

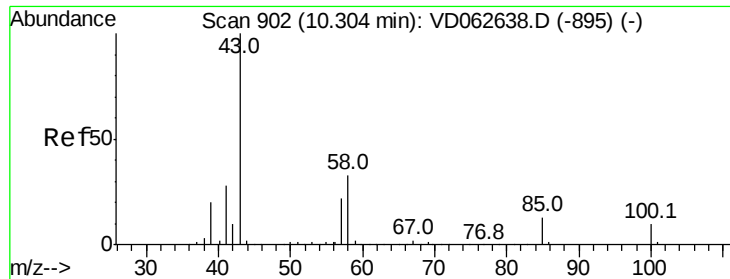
100 67.2 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 119.742 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

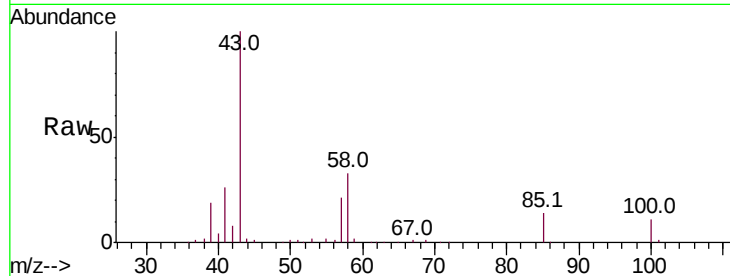
VD0612SBSD01

Tot Ion: 43 Resp: 435659

Ion Ratio Lower Upper

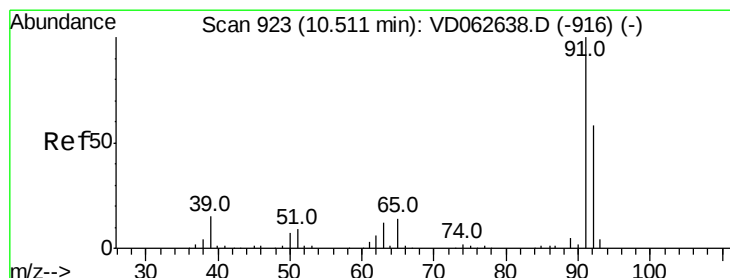
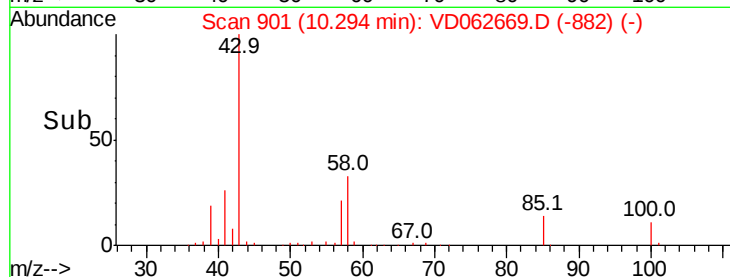
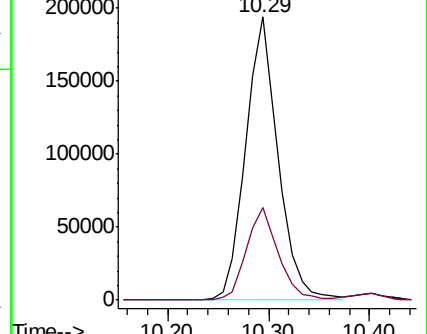
43 100

58 33.0 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 23.334 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062669.D

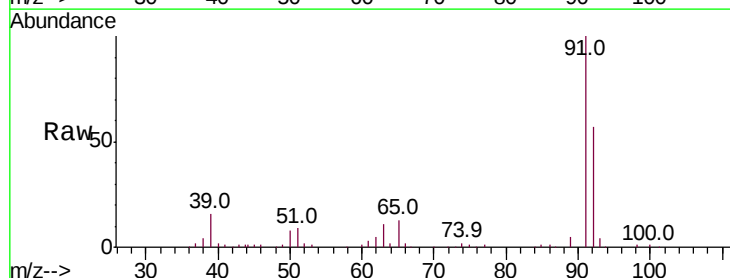
Acq: 12 Jun 2019 12:54

Tgt Ion: 92 Resp: 301847

Ion Ratio Lower Upper

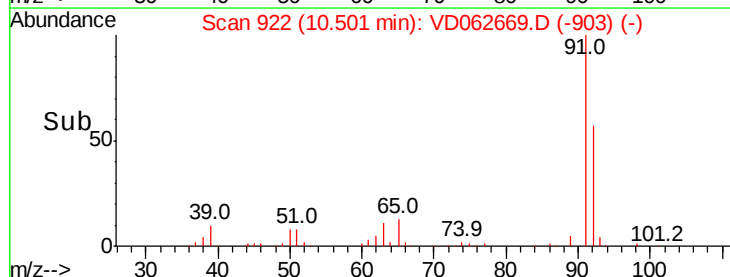
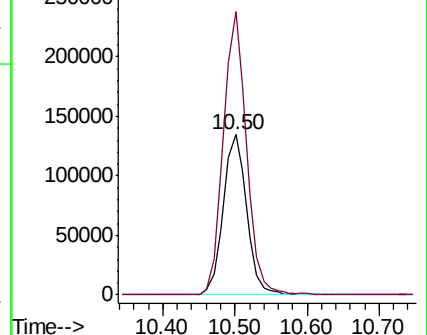
92 100

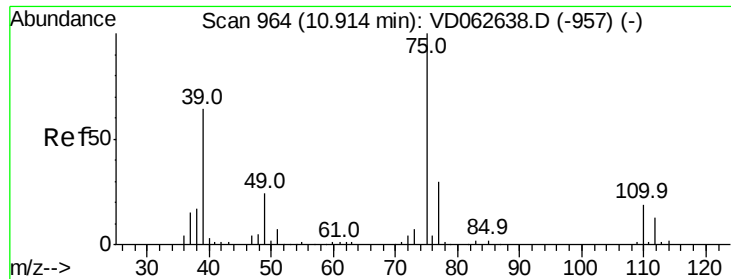
91 176.4 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

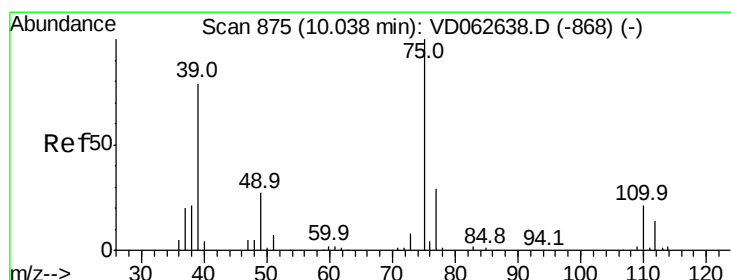
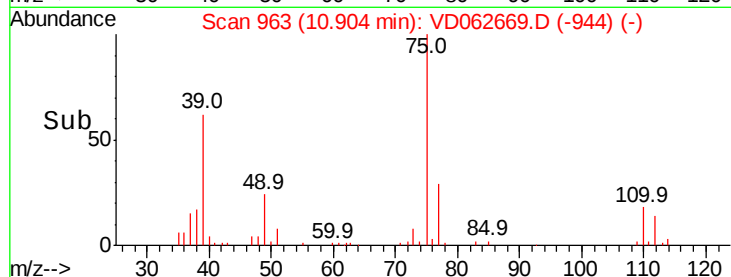
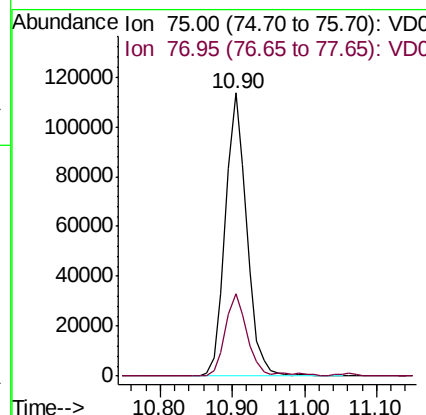
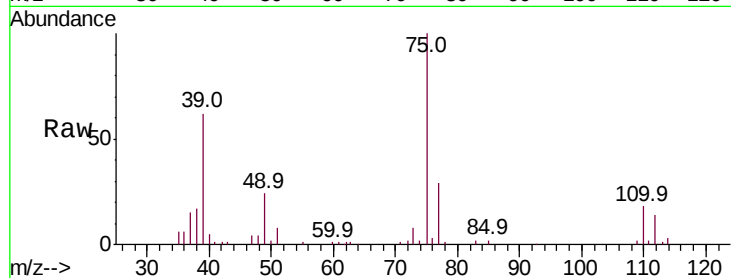




#53
 t-1,3-Dichloropropene
 Concen: 25.328 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

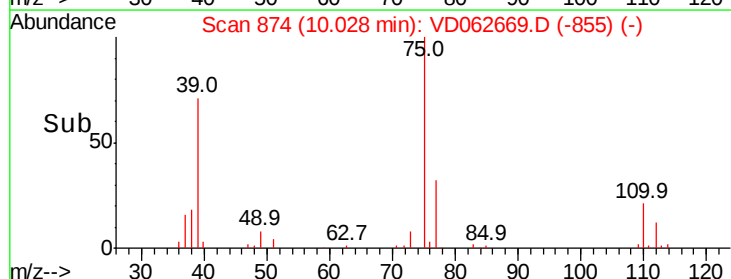
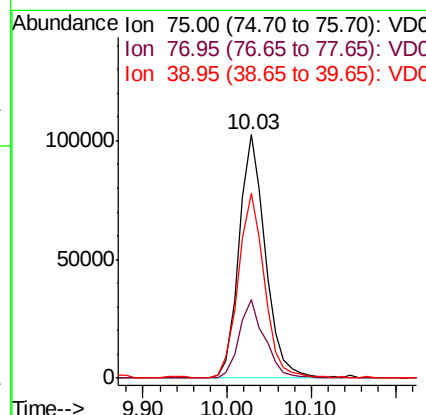
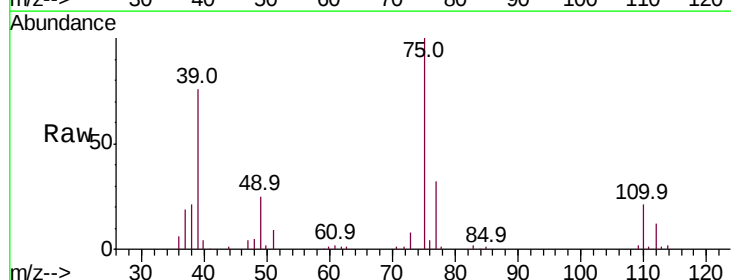
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

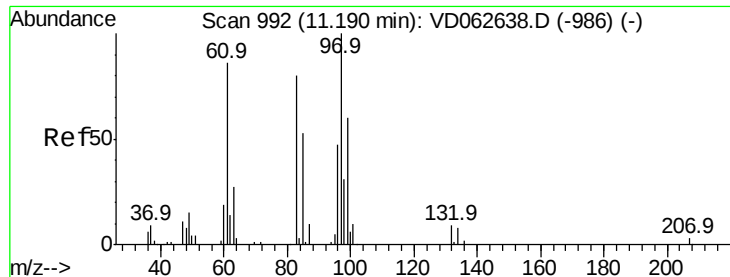
Tot Ion: 75 Resp: 231787
 Ion Ratio Lower Upper
 75 100
 77 29.3 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 23.562 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

Tgt Ion: 75 Resp: 222865
 Ion Ratio Lower Upper
 75 100
 77 32.4 23.1 34.7
 39 75.9 63.4 95.2





#55

1,1,2-Trichloroethane

Concen: 24.394 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

Tot Ion: 97 Resp: 108222

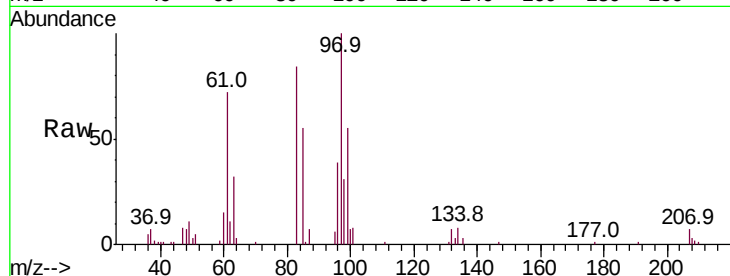
Ion Ratio Lower Upper

97 100

83 83.9 63.8 95.8

85 54.6 42.3 63.5

99 54.6 48.0 72.0

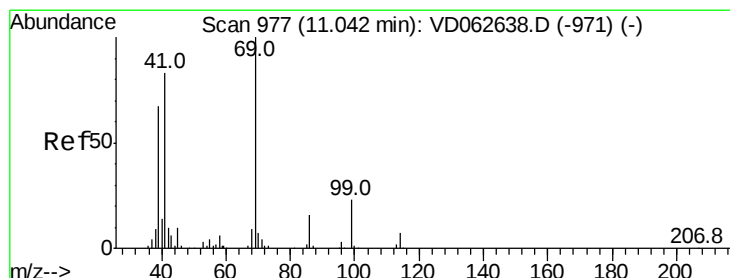
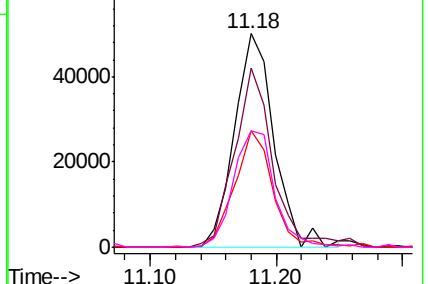
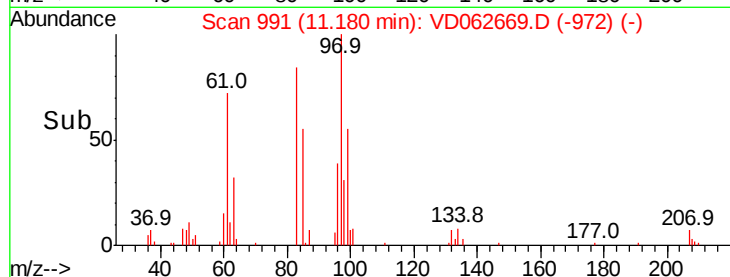


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 23.604 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

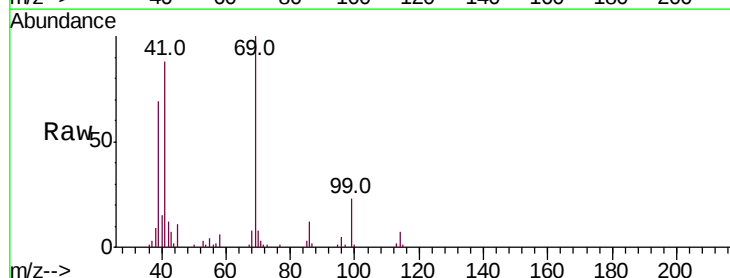
Tgt Ion: 69 Resp: 114105

Ion Ratio Lower Upper

69 100

41 88.1 66.2 99.4

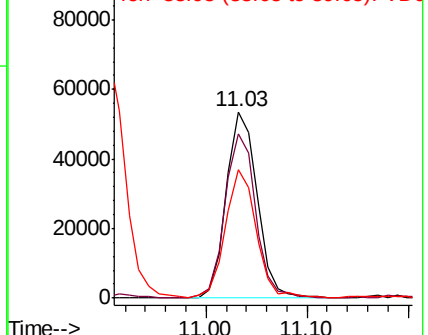
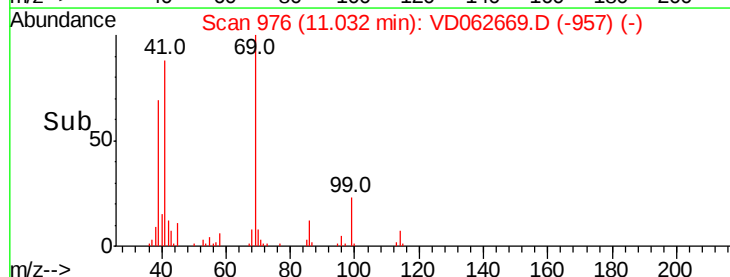
39 68.6 53.8 80.8

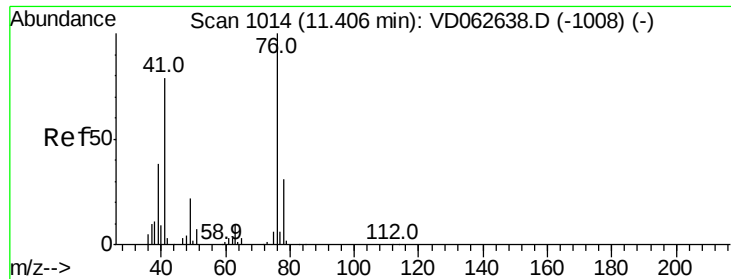


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

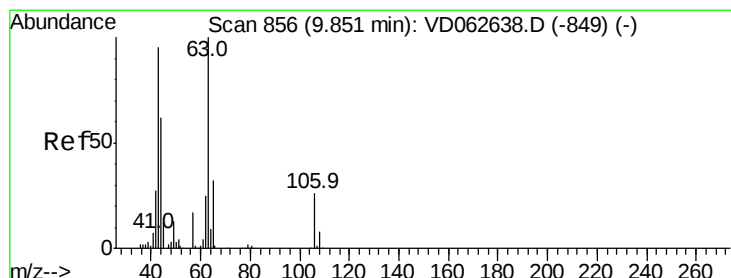
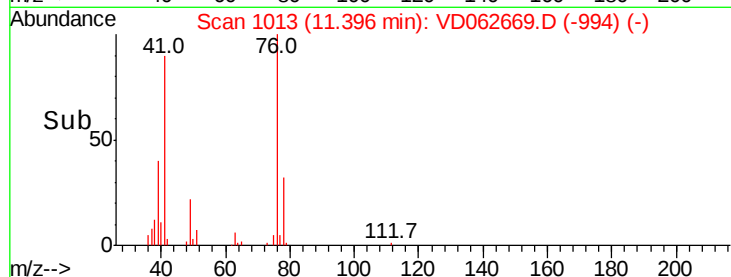
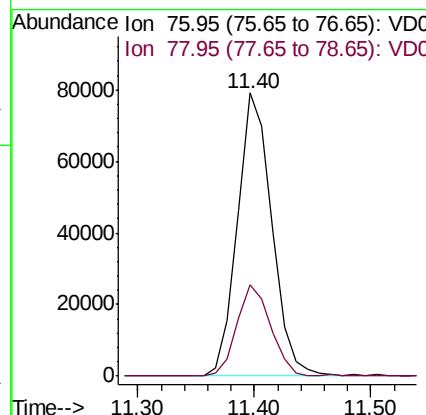
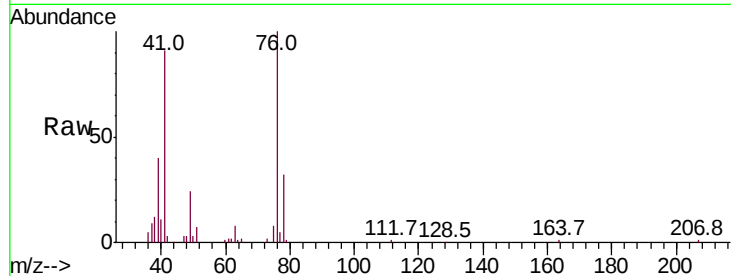




#57
 1,3-Dichloropropane
 Concen: 23.575 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

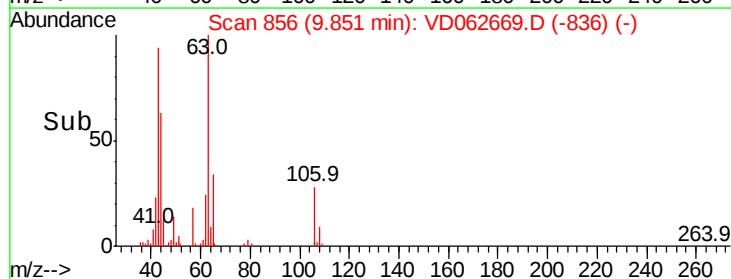
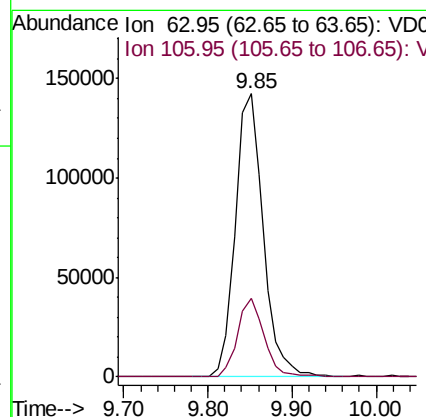
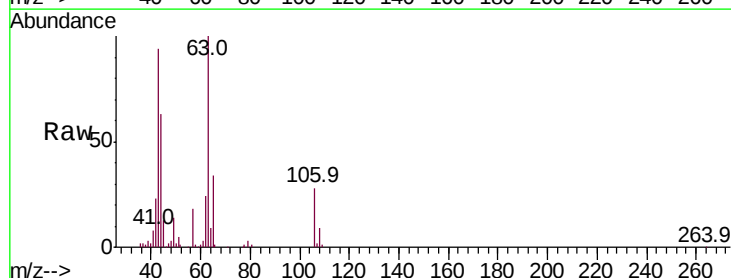
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

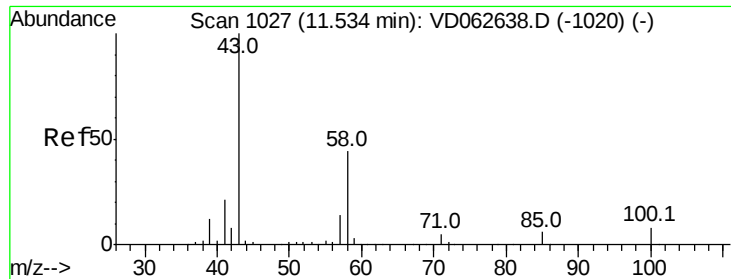
Tot Ion: 76 Resp: 162100
 Ion Ratio Lower Upper
 76 100
 78 32.2 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 138.387 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

Tgt Ion: 63 Resp: 328133
 Ion Ratio Lower Upper
 63 100
 106 27.8 20.5 30.7

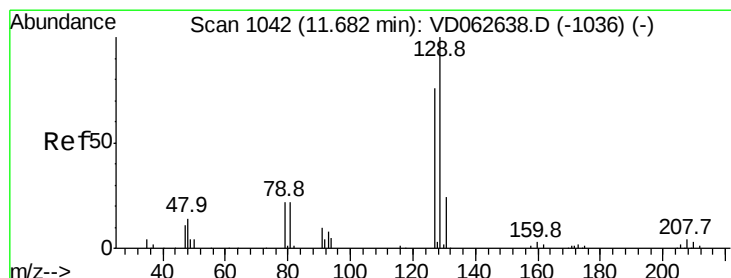
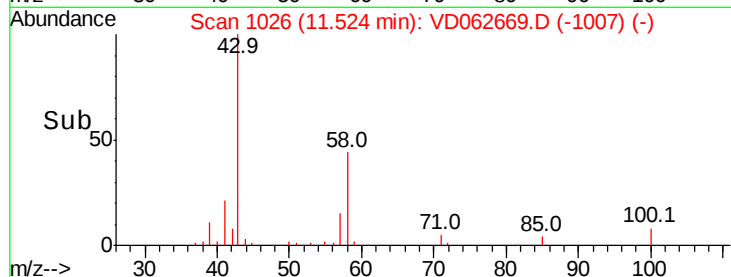
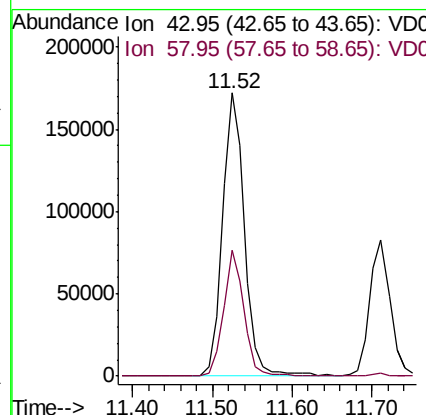
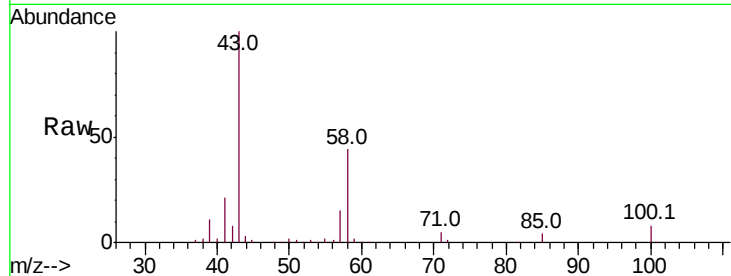




#59
2-Hexanone
Concen: 123.474 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

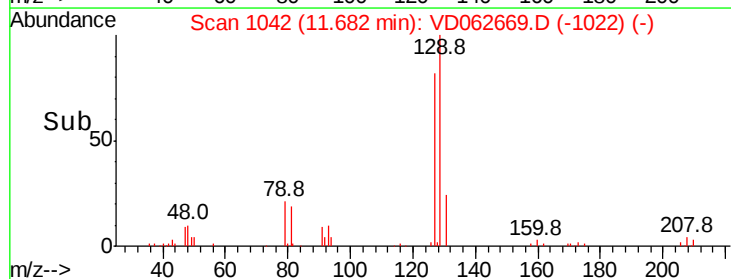
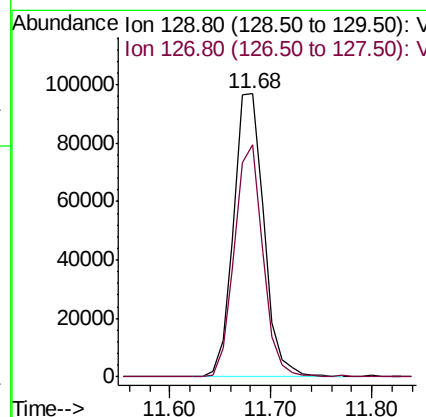
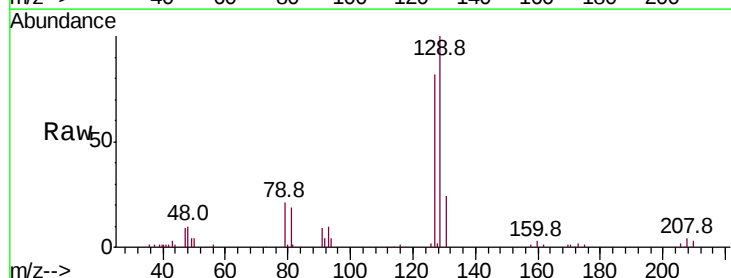
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

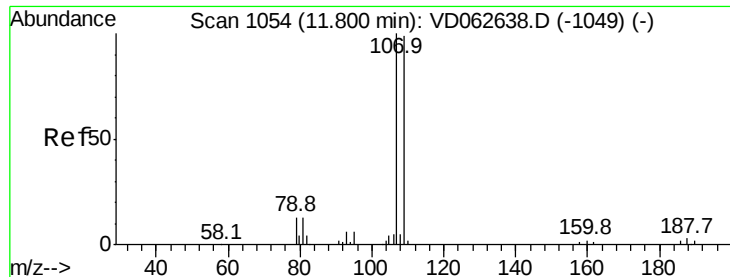
Tot Ion: 43 Resp: 334170
Ion Ratio Lower Upper
43 100
58 44.3 21.8 65.4



#60
Dibromochloromethane
Concen: 23.095 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion: 129 Resp: 202250
Ion Ratio Lower Upper
129 100
127 82.2 38.0 114.1

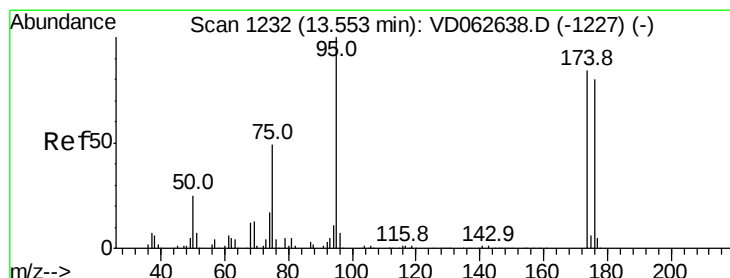
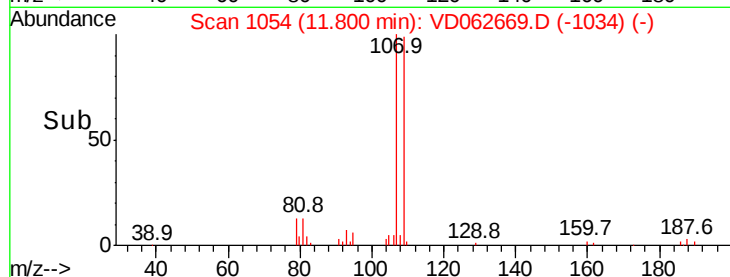
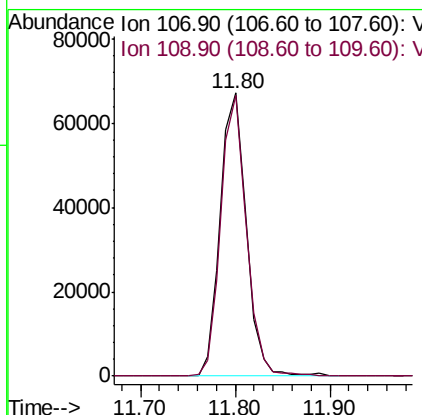
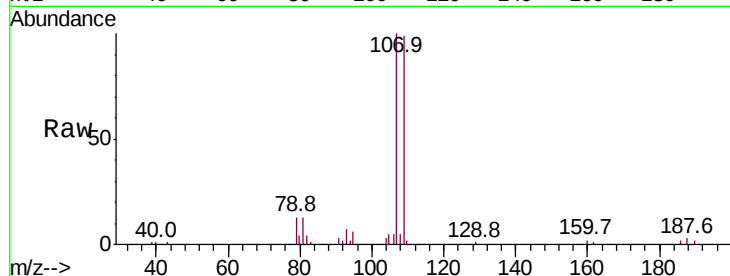




#61
 1,2-Dibromoethane
 Concen: 24.228 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

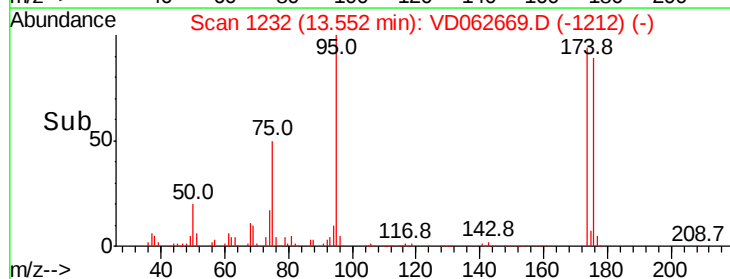
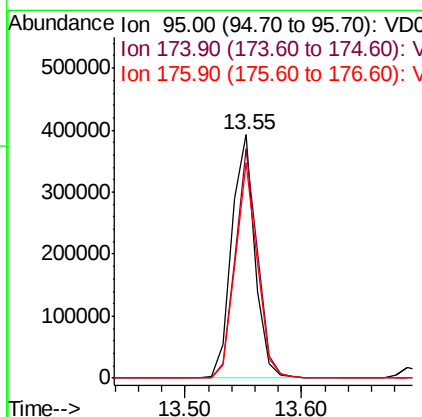
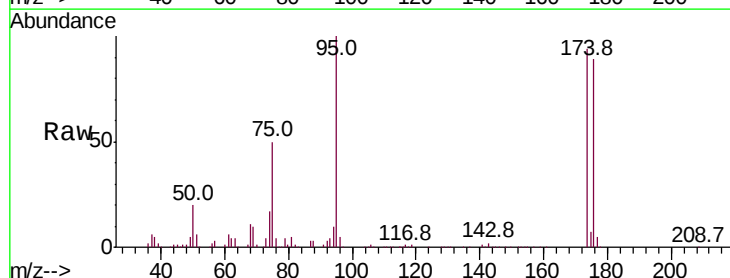
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

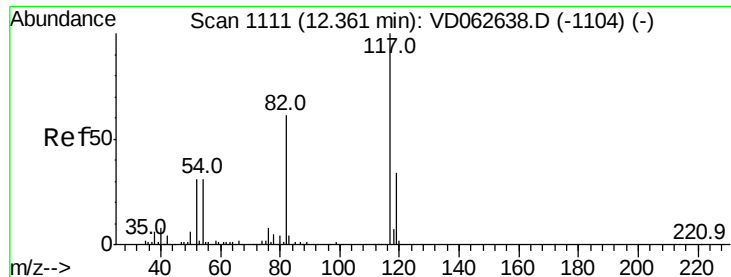
Tot Ion:107 Resp: 128642
 Ion Ratio Lower Upper
 107 100
 109 99.3 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 60.442 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

Tgt Ion: 95 Resp: 538665
 Ion Ratio Lower Upper
 95 100
 174 94.2 0.0 167.0
 176 88.5 0.0 159.2

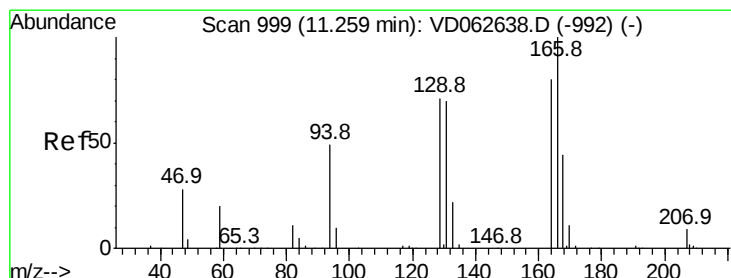
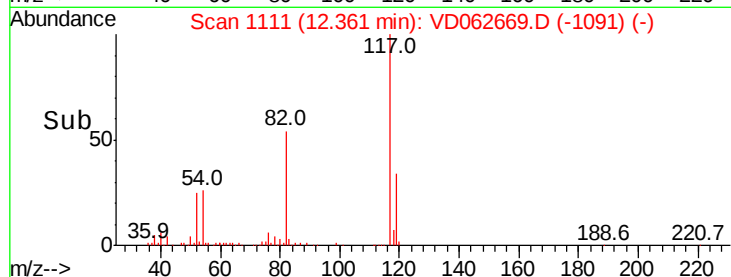
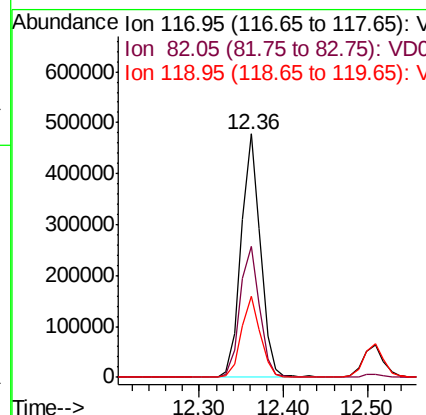
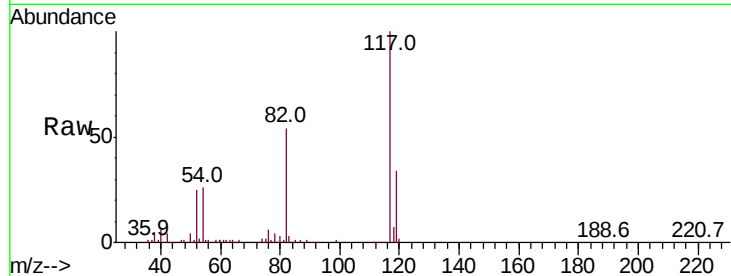




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

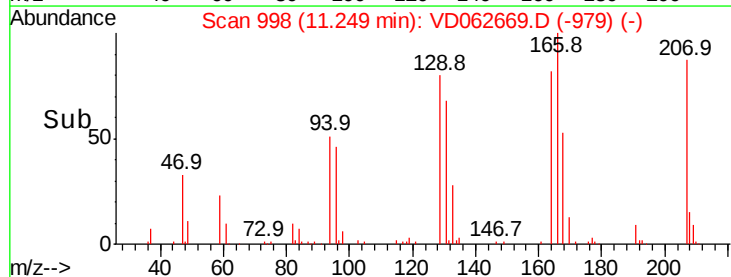
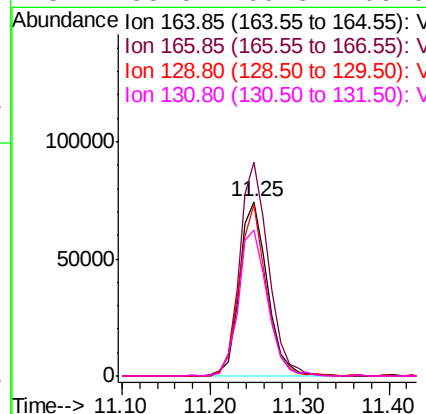
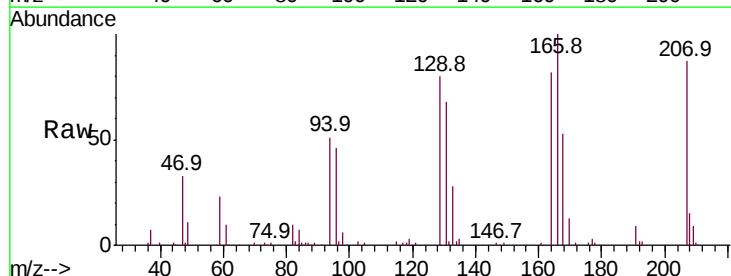
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

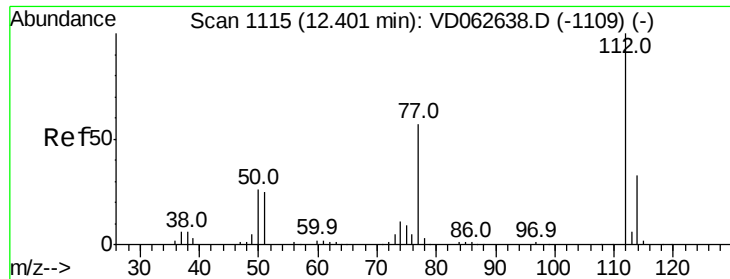
Tot Ion:117 Resp: 761000
Ion Ratio Lower Upper
117 100
82 53.9 48.7 73.1
119 33.5 27.0 40.6



#64
Tetrachloroethene
Concen: 22.895 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion:164 Resp: 163103
Ion Ratio Lower Upper
164 100
166 122.4 99.4 149.2
129 98.2 70.2 105.4
131 83.8 69.3 103.9

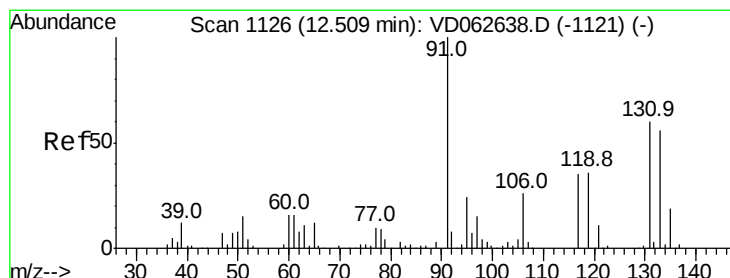
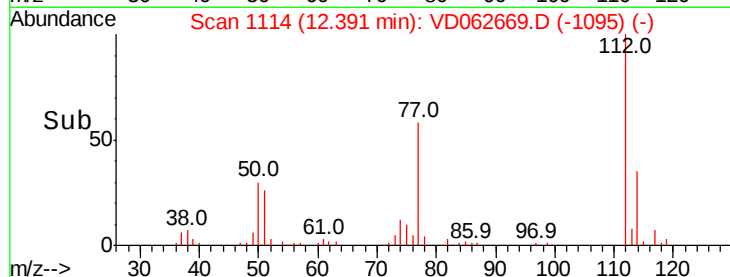
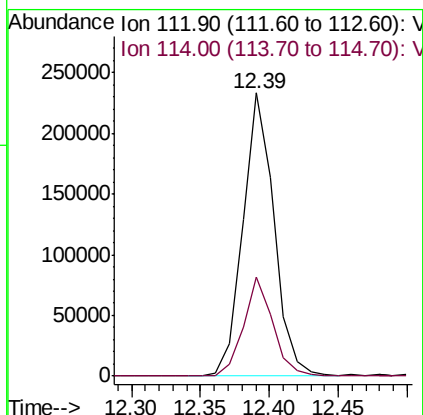
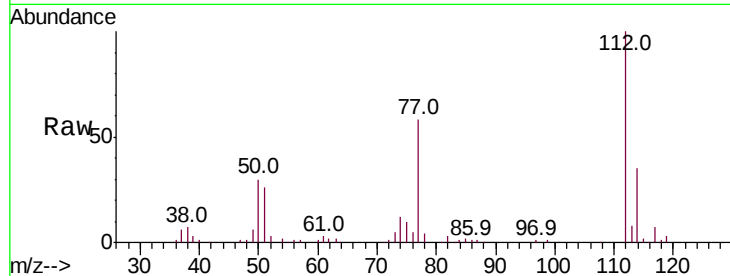




#65
Chlorobenzene
Concen: 21.791 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

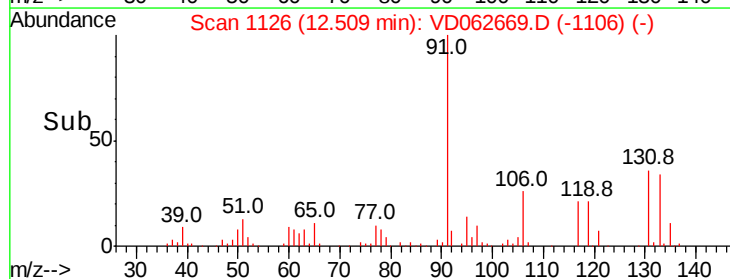
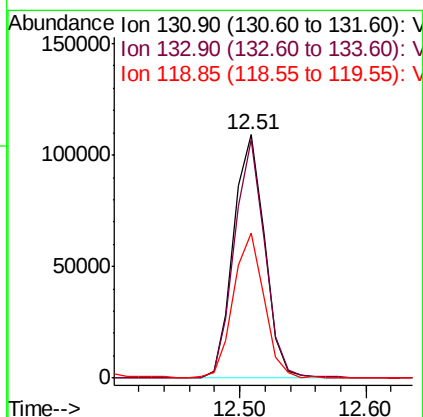
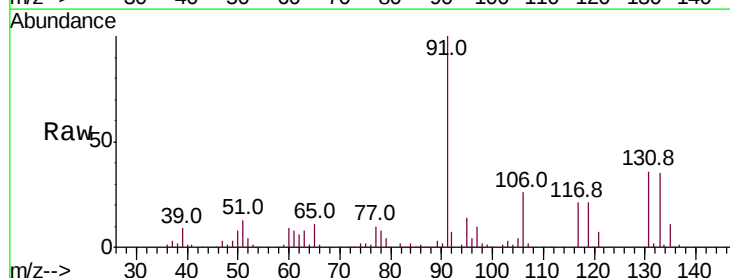
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

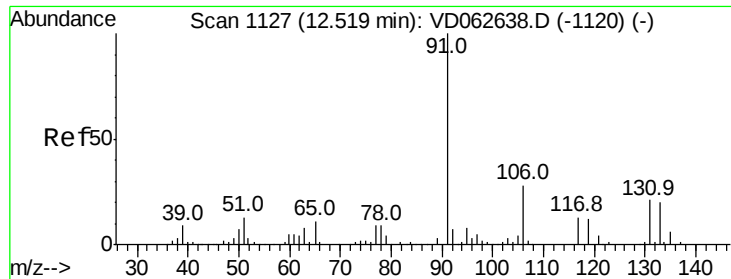
Tot Ion:112 Resp: 366799
Ion Ratio Lower Upper
112 100
114 34.9 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 23.204 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion:131 Resp: 186287
Ion Ratio Lower Upper
131 100
133 98.2 46.8 140.3
119 59.6 29.9 89.8

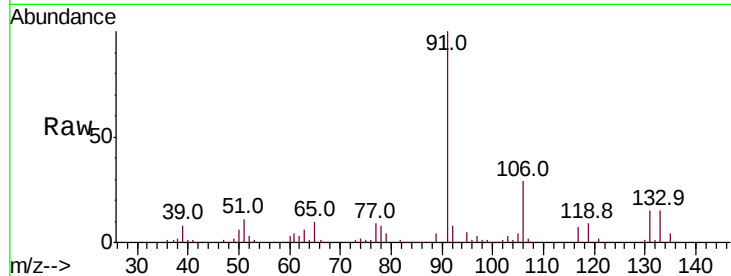




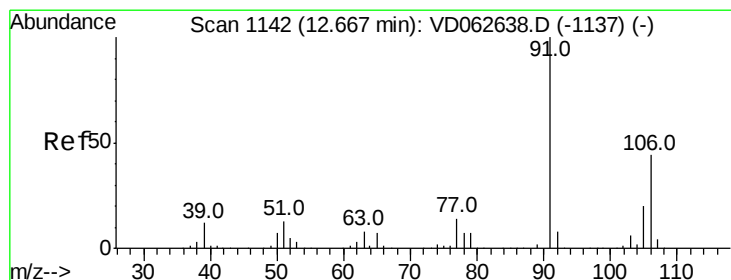
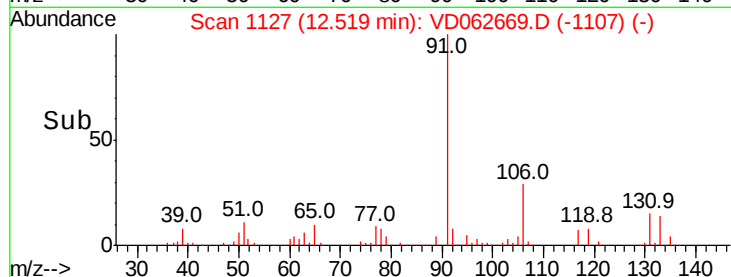
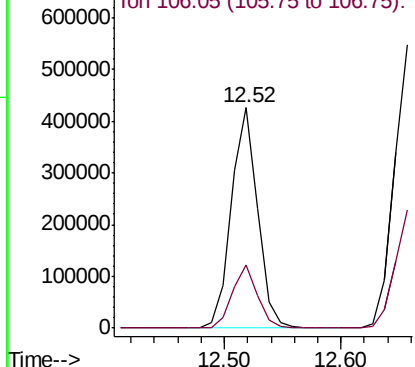
#67
Ethyl Benzene
Concen: 22.271 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

Tot Ion: 91 Resp: 664667
Ion Ratio Lower Upper
91 100
106 28.9 22.1 33.1

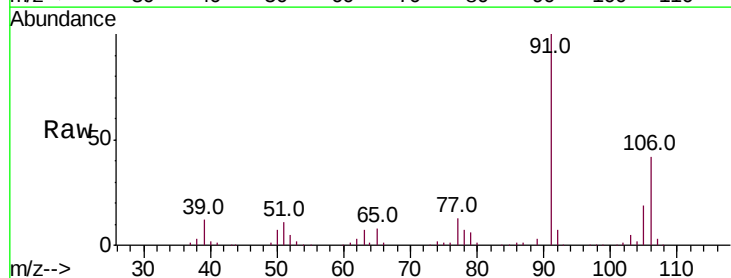


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

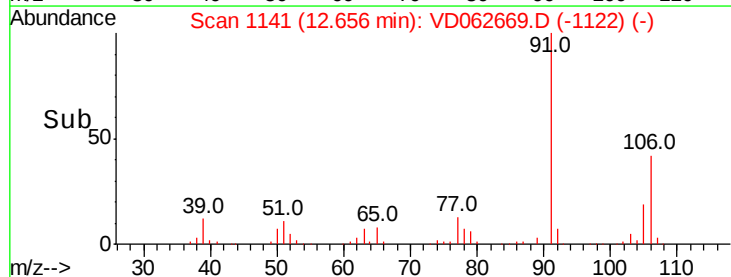
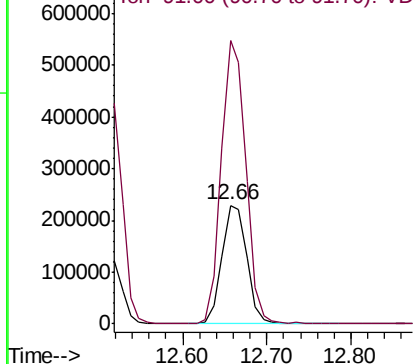


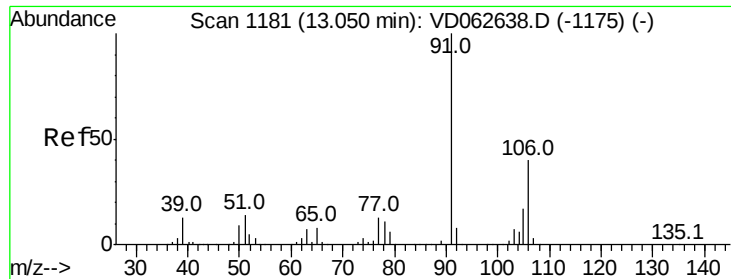
#68
m/p-Xylenes
Concen: 44.656 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion: 106 Resp: 468539
Ion Ratio Lower Upper
106 100
91 238.7 180.2 270.4



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

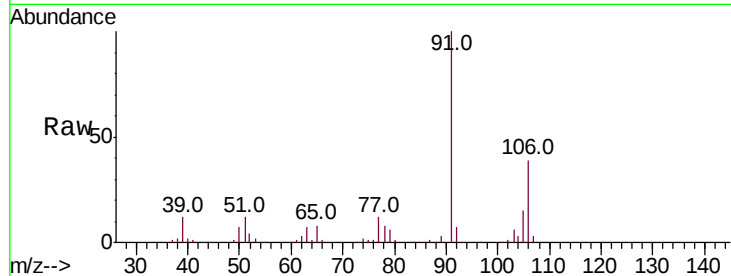




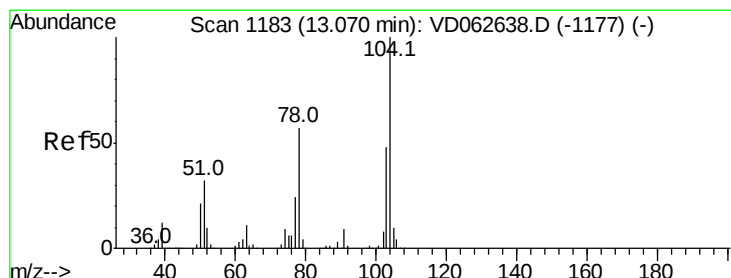
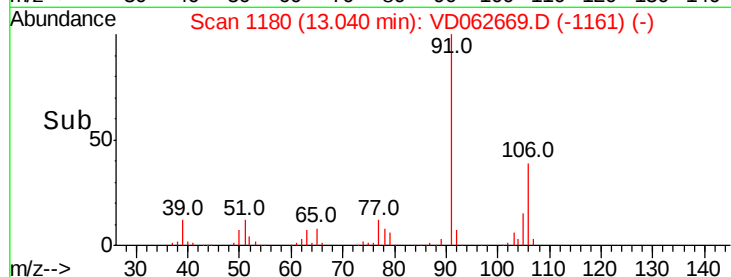
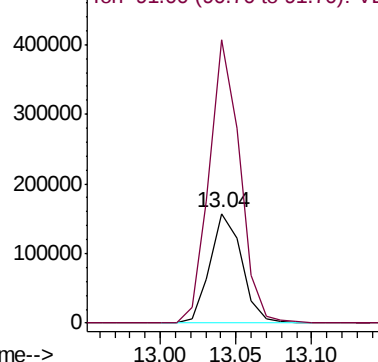
#69
o-Xylene
Concen: 23.912 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion:106 Resp: 230414
Ion Ratio Lower Upper
106 100
91 258.9 124.1 372.1

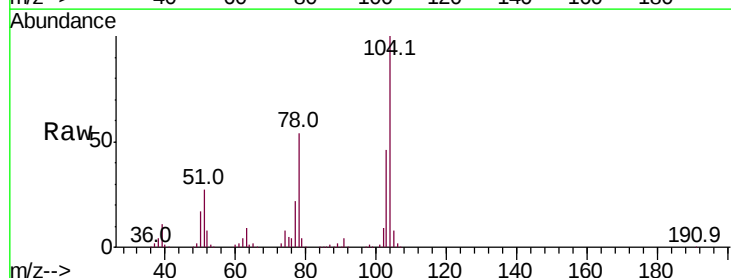


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

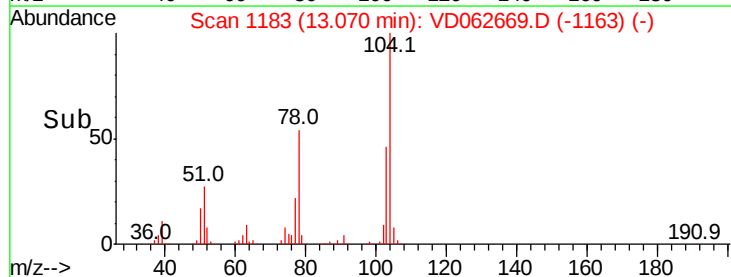
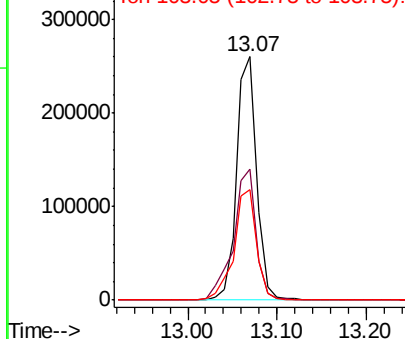


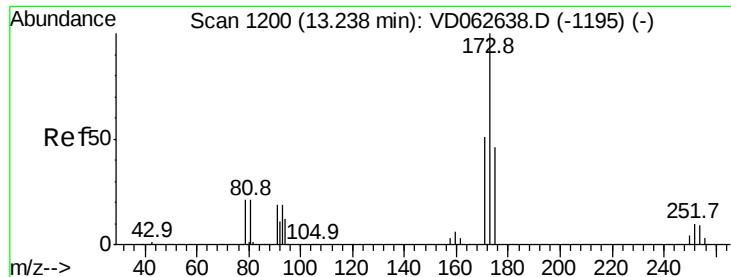
#70
Styrene
Concen: 23.845 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion:104 Resp: 409975
Ion Ratio Lower Upper
104 100
78 53.8 45.9 68.9
103 45.5 38.4 57.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

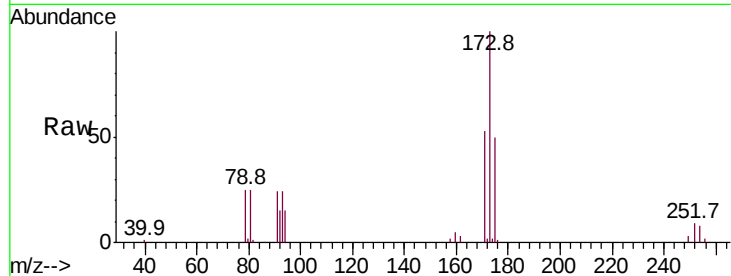




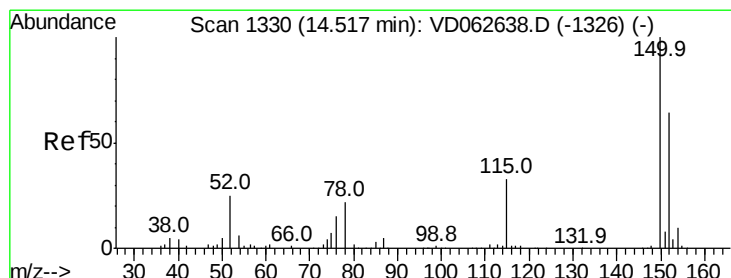
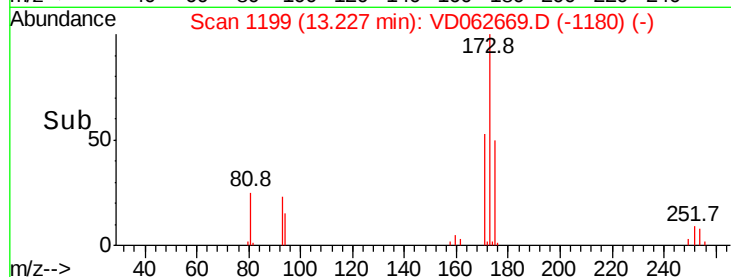
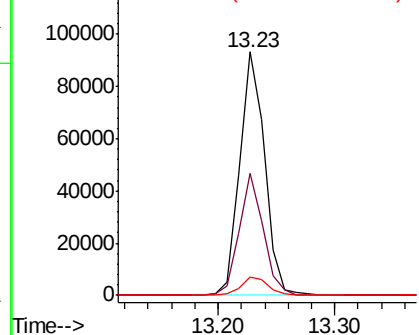
#71
 Bromoform
 Concen: 23.940 ug/l
 RT: 13.23 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

Tot Ion:173 Resp: 137807
 Ion Ratio Lower Upper
 173 100
 175 50.3 22.9 68.7
 254 7.6 7.0 10.4

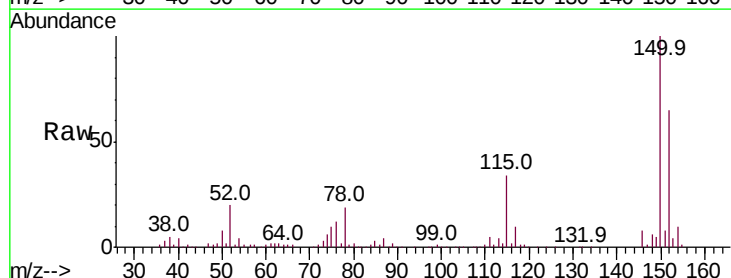


Abundance Ion 172.80 (172.50 to 173.50): V
 Ion 174.80 (174.50 to 175.50): V
 Ion 253.70 (253.40 to 254.40): V

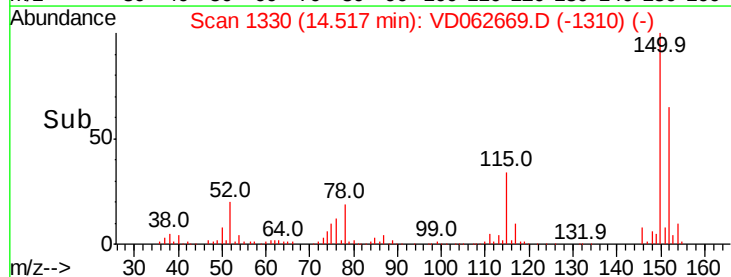
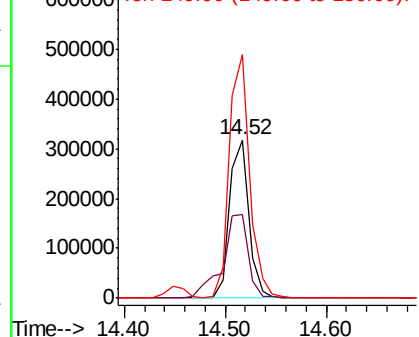


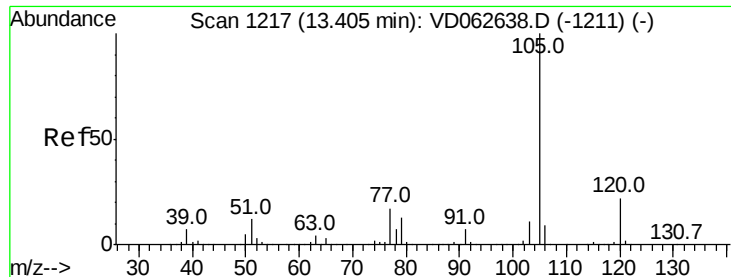
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

Tgt Ion:152 Resp: 424056
 Ion Ratio Lower Upper
 152 100
 115 52.5 30.1 90.5
 150 153.9 0.0 314.0



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.956 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

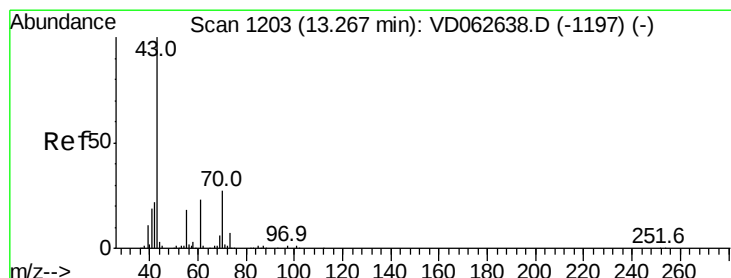
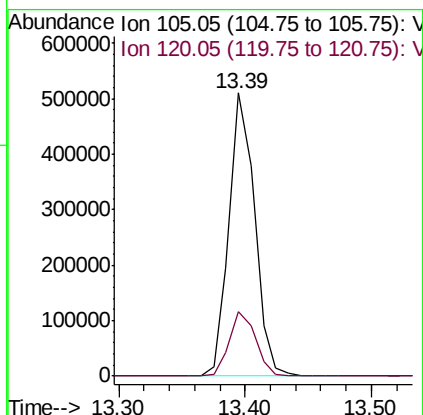
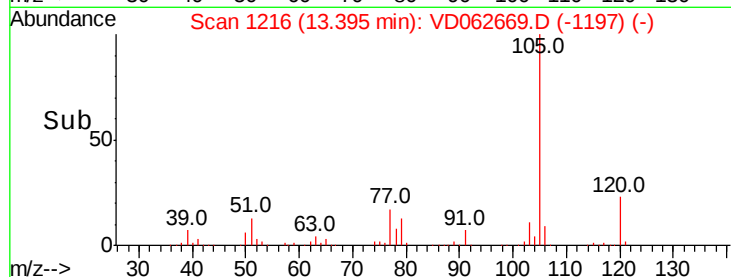
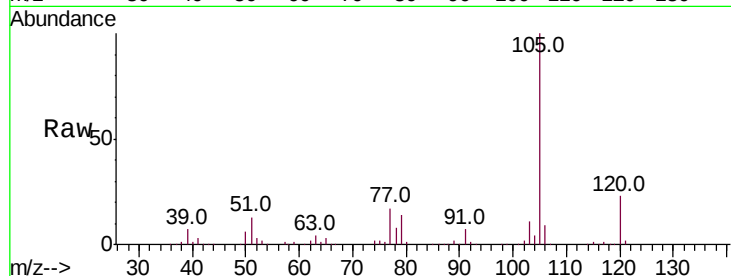
VD0612SBSD01

Tot Ion:105 Resp: 716029

Ion Ratio Lower Upper

105 100

120 23.0 10.9 32.7



#74

N-ethyl acetate

Concen: 21.053 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Tgt Ion: 43 Resp: 170061

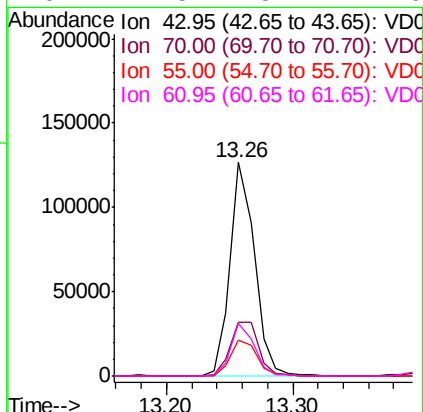
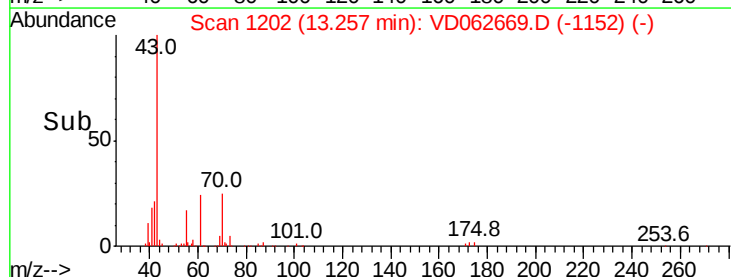
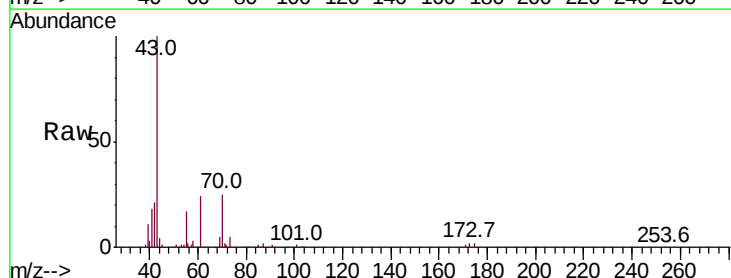
Ion Ratio Lower Upper

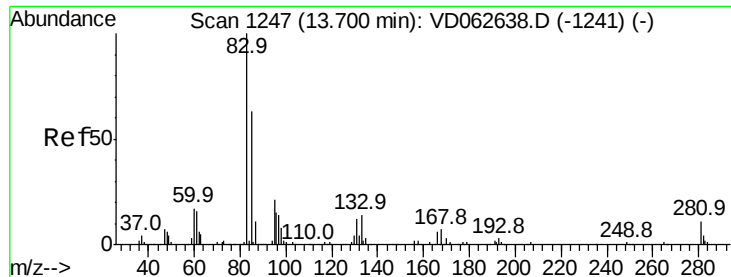
43 100

70 25.1 21.8 32.8

55 16.7 14.6 21.8

61 24.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.514 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

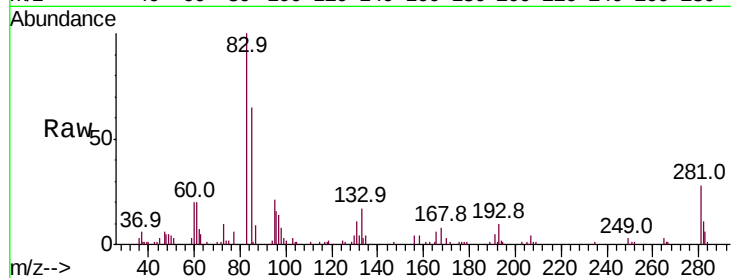
Tot Ion: 83 Resp: 120258

Ion Ratio Lower Upper

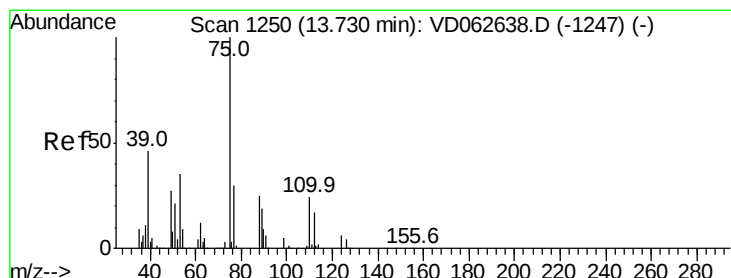
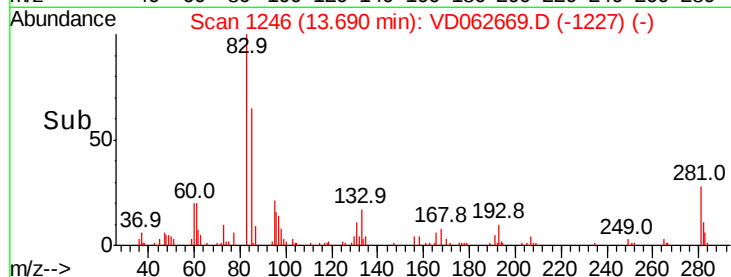
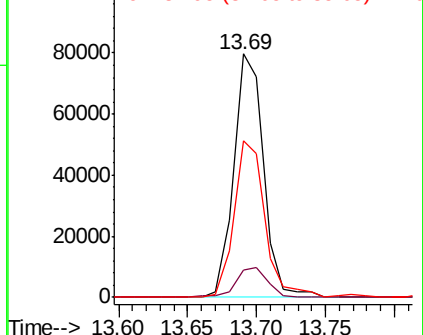
83 100

131 11.2 5.9 17.7

85 64.6 31.3 93.9



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 23.498 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062669.D

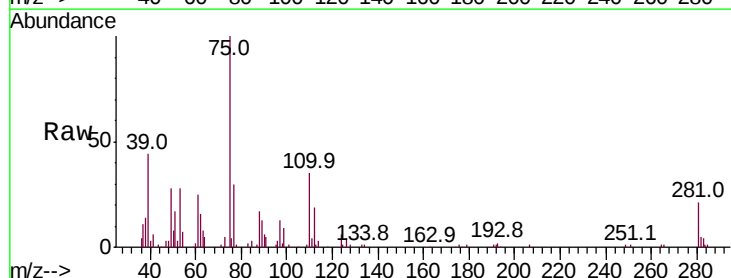
Acq: 12 Jun 2019 12:54

Tgt Ion: 75 Resp: 135111

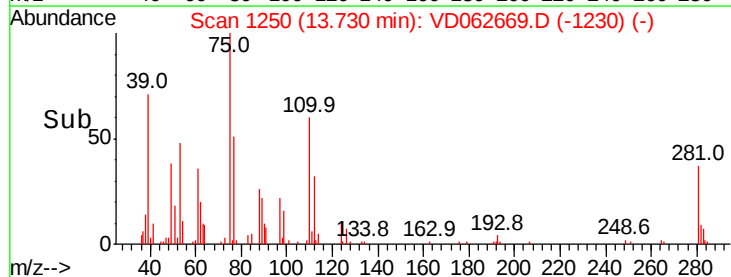
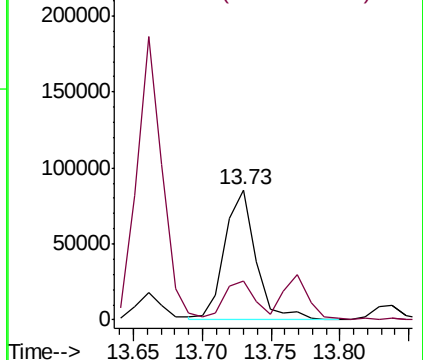
Ion Ratio Lower Upper

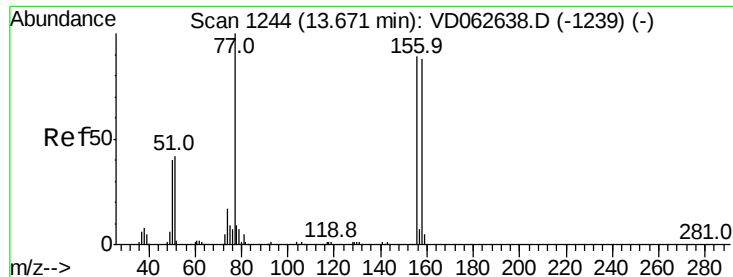
75 100

77 30.2 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.809 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

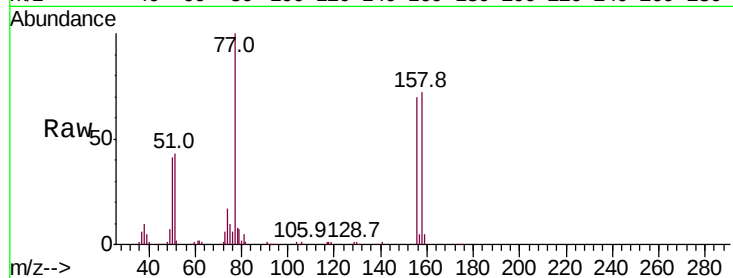
Tot Ion:156 Resp: 186315

Ion Ratio Lower Upper

156 100

77 142.1 56.3 168.8

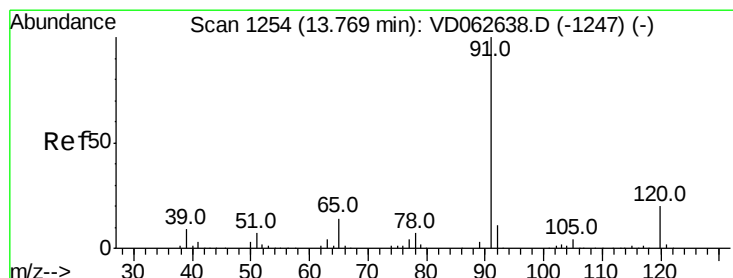
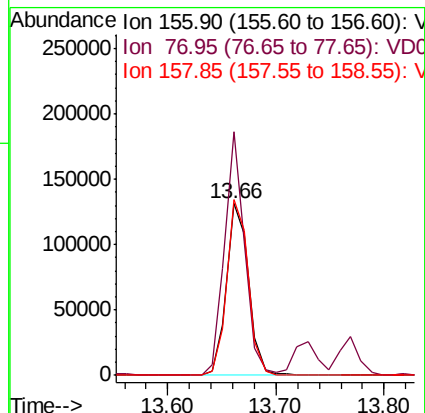
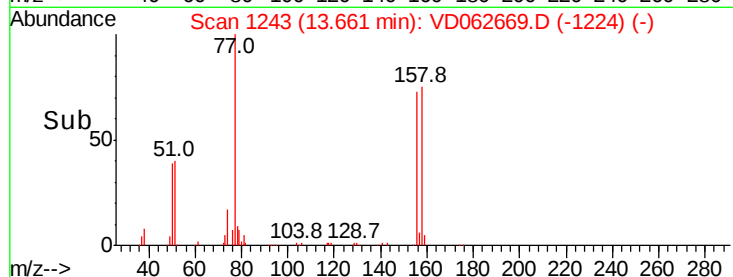
158 102.3 49.6 148.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.891 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062669.D

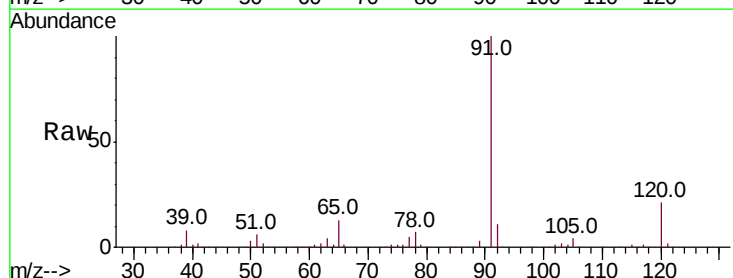
Acq: 12 Jun 2019 12:54

Tgt Ion: 91 Resp: 837493

Ion Ratio Lower Upper

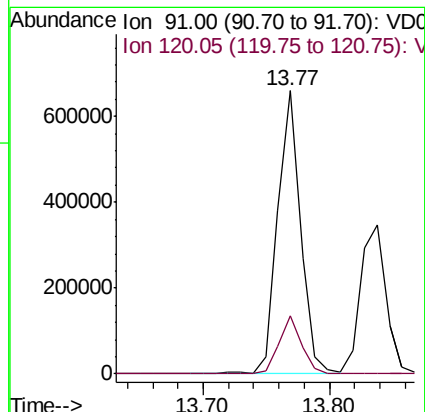
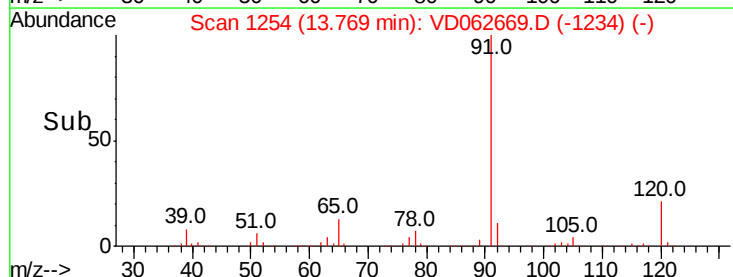
91 100

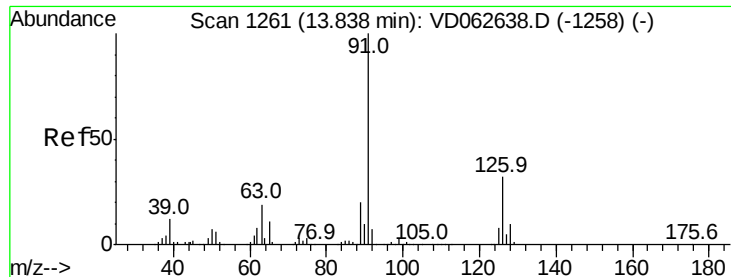
120 20.7 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.779 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

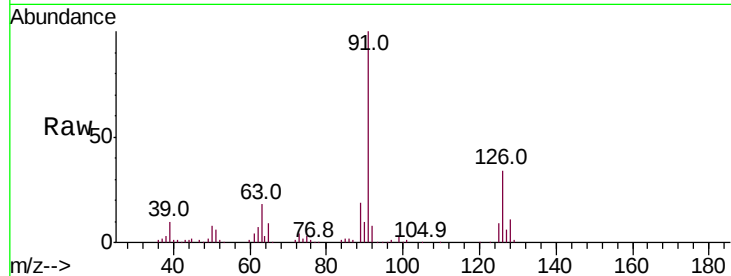
VD0612SBSD01

Tot Ion: 91 Resp: 487972

Ion Ratio Lower Upper

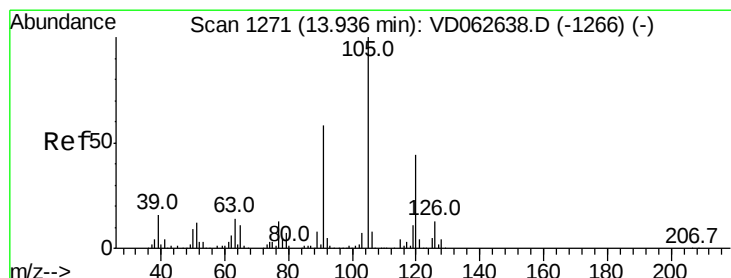
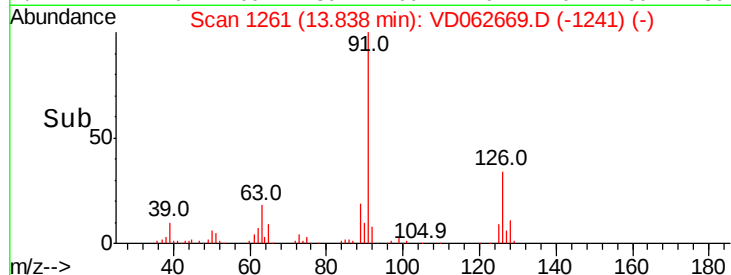
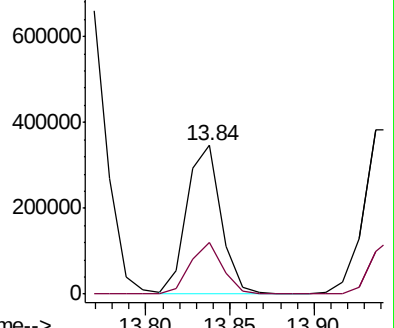
91 100

126 34.5 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062638.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.991 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062669.D

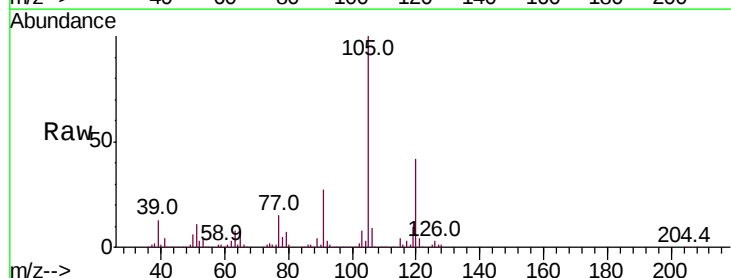
Acq: 12 Jun 2019 12:54

Tgt Ion:105 Resp: 633735

Ion Ratio Lower Upper

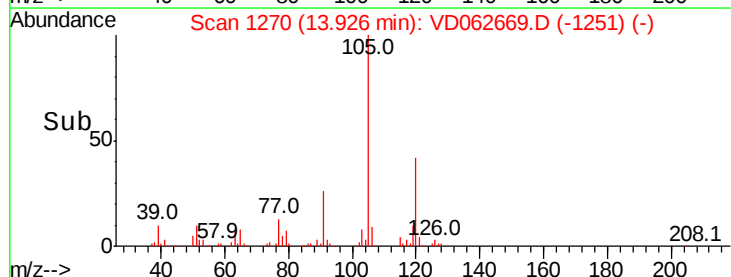
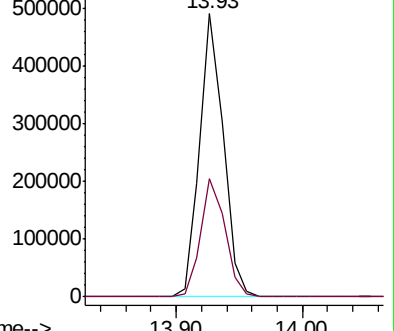
105 100

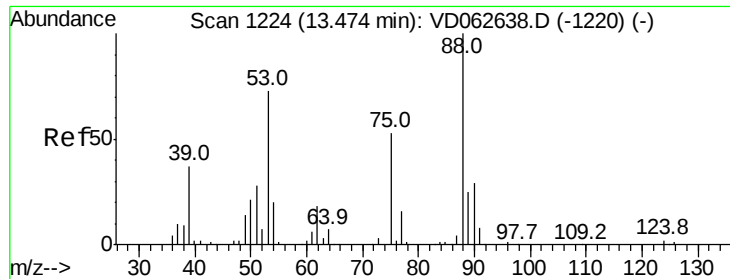
120 41.8 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062638.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD062638.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.765 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

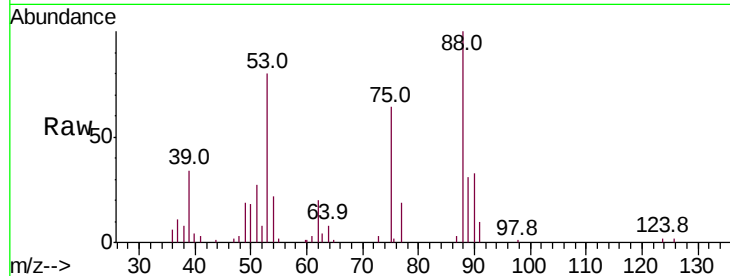
Tot Ion: 75 Resp: 34894

Ion Ratio Lower Upper

75 100

53 121.4 109.4 164.2

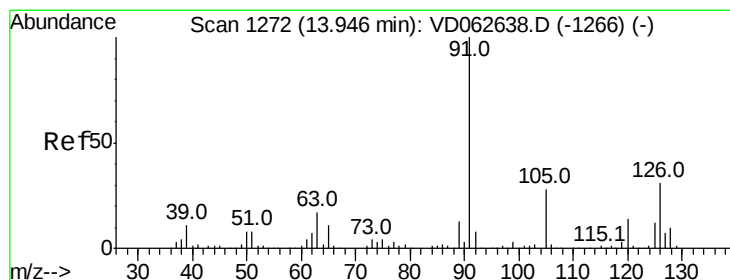
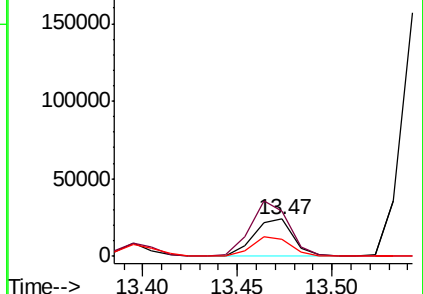
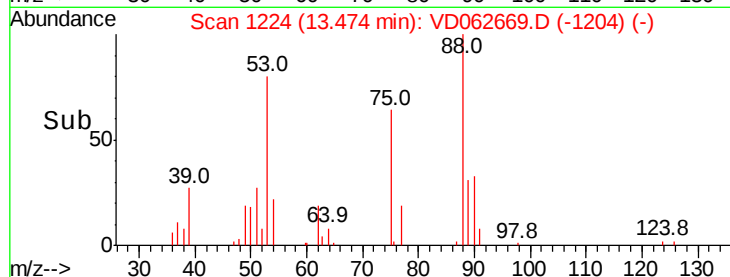
89 46.1 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 24.116 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062669.D

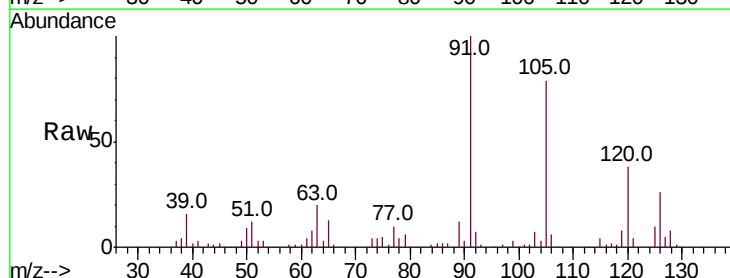
Acq: 12 Jun 2019 12:54

Tgt Ion: 91 Resp: 617809

Ion Ratio Lower Upper

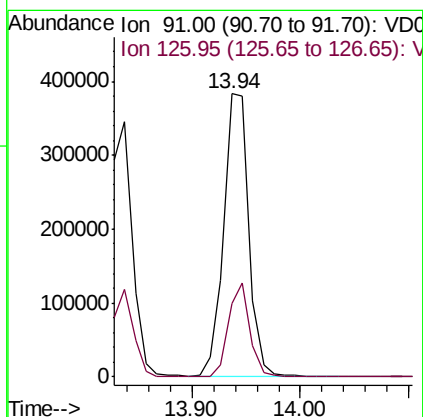
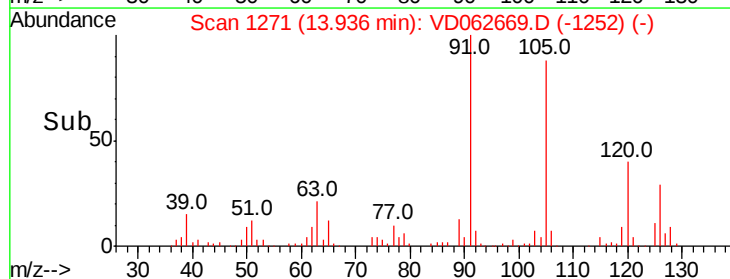
91 100

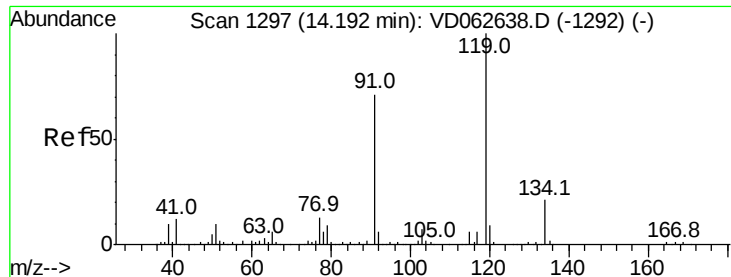
126 26.2 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

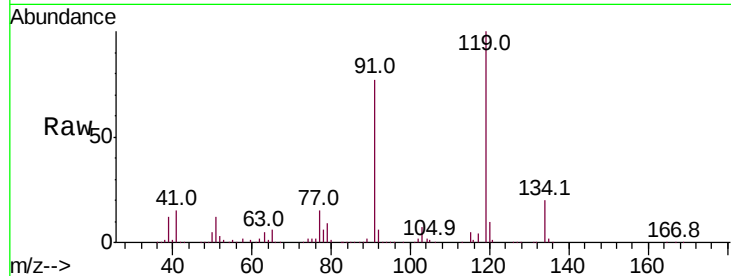




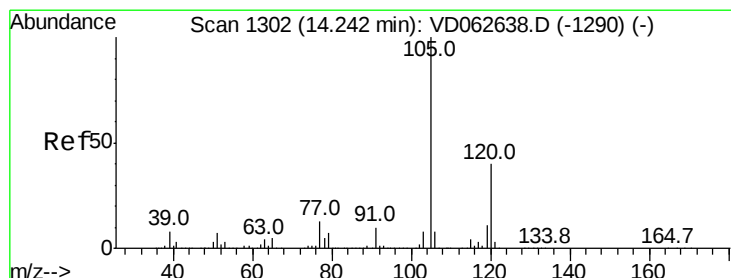
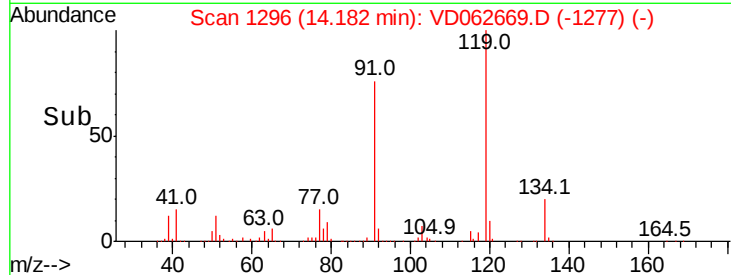
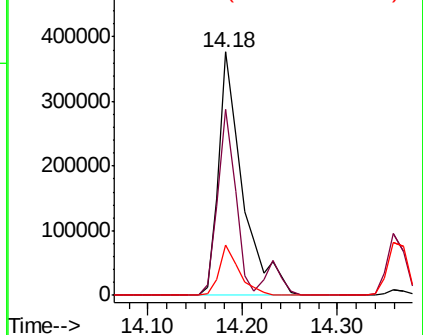
#83
tert-Butylbenzene
Concen: 22.810 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion:119 Resp: 664581
Ion Ratio Lower Upper
119 100
91 76.6 35.4 106.1
134 20.5 10.8 32.3

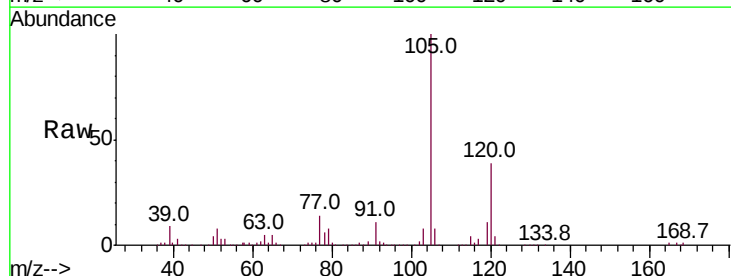


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

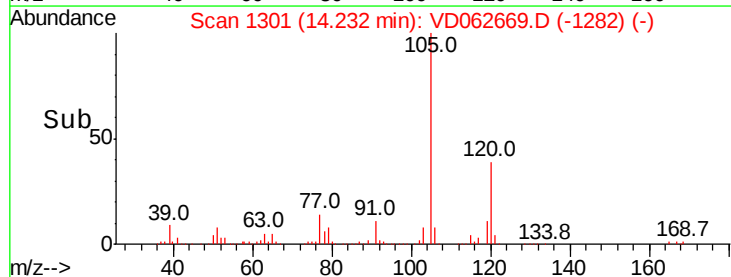
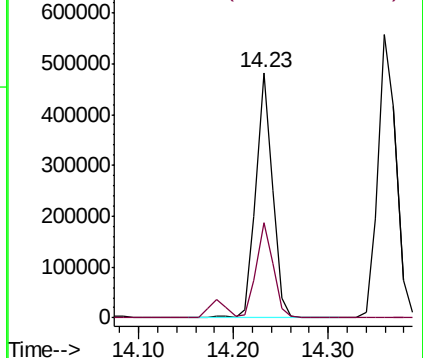


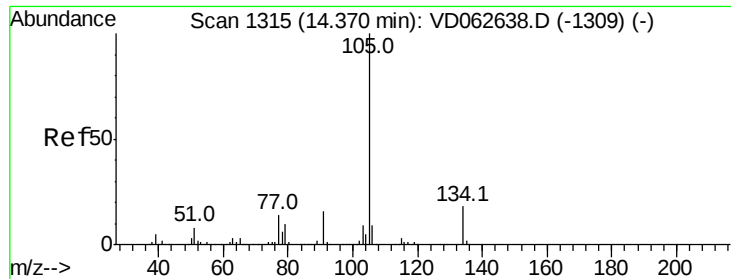
#84
1,2,4-Trimethylbenzene
Concen: 22.724 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion:105 Resp: 594337
Ion Ratio Lower Upper
105 100
120 39.0 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 24.483 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

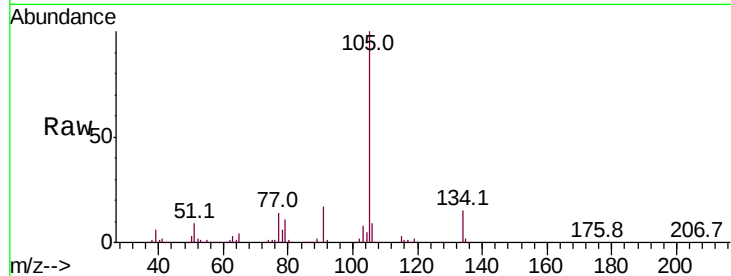
VD0612SBSD01

Tot Ion:105 Resp: 747994

Ion Ratio Lower Upper

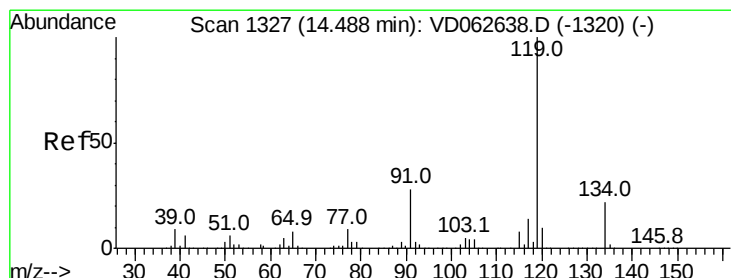
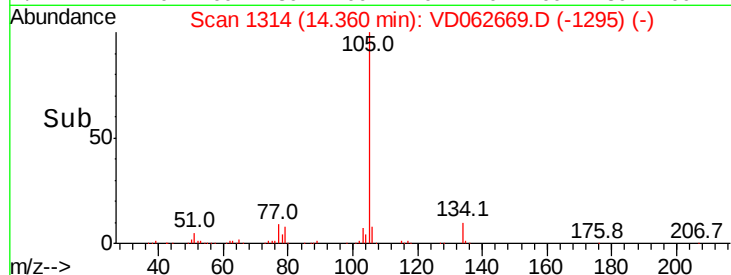
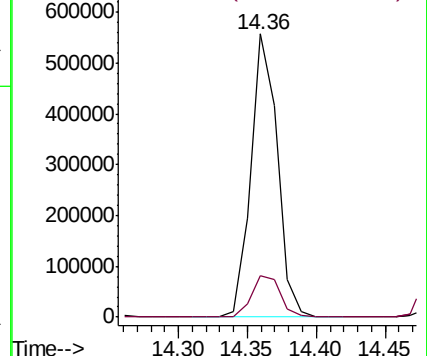
105 100

134 14.8 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.460 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062669.D

Acq: 12 Jun 2019 12:54

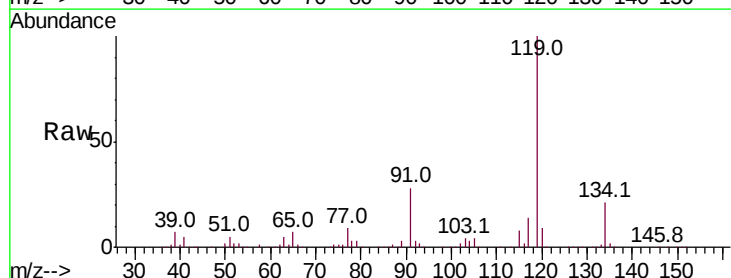
Tgt Ion:119 Resp: 638351

Ion Ratio Lower Upper

119 100

134 21.5 10.9 32.6

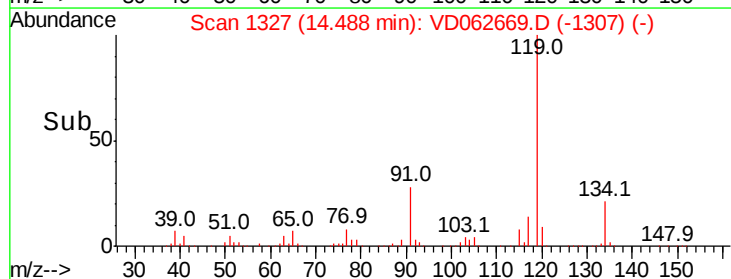
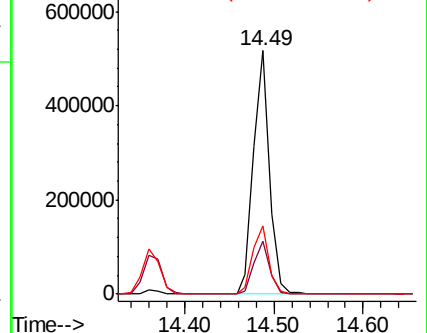
91 27.9 13.9 41.6

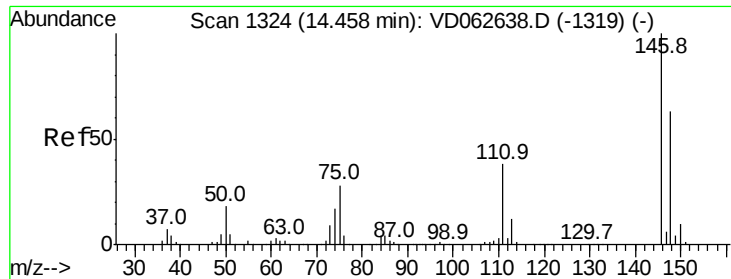


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

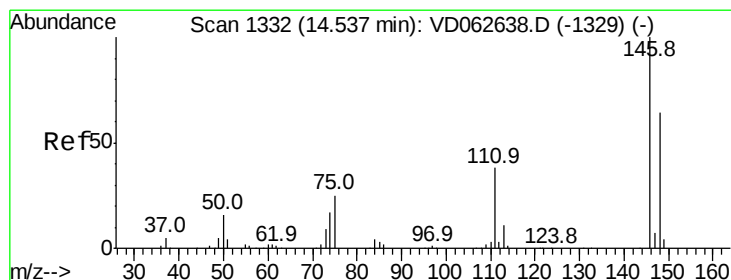
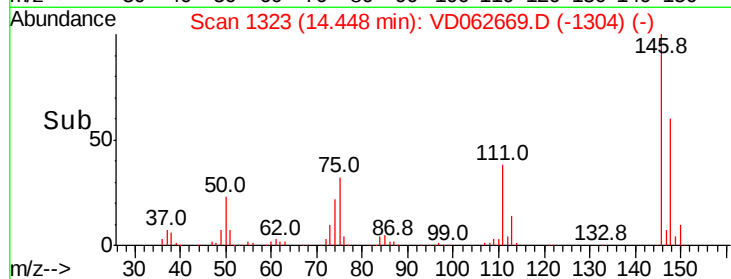
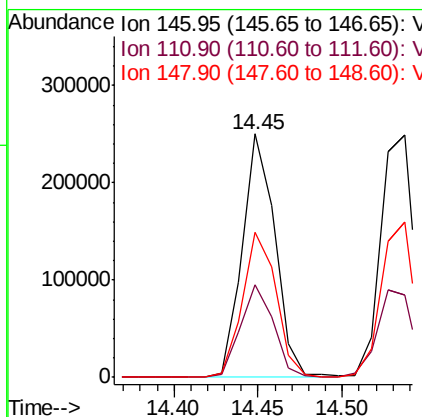
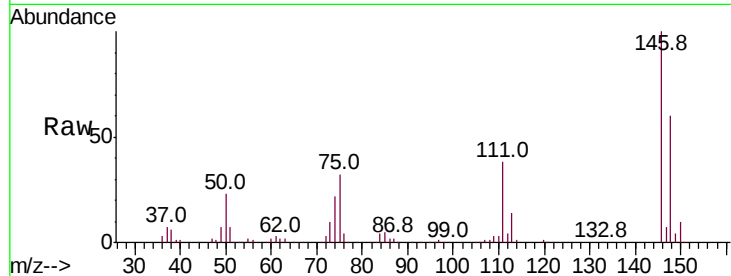




#87
 1,3-Dichlorobenzene
 Concen: 21.799 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

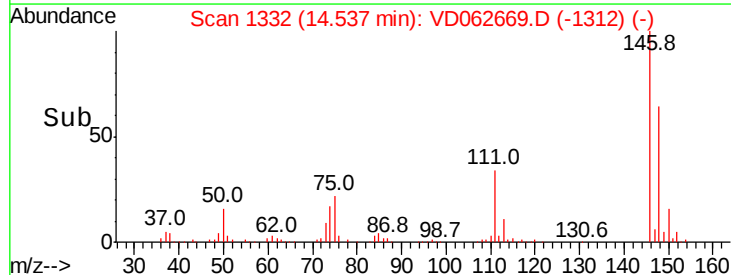
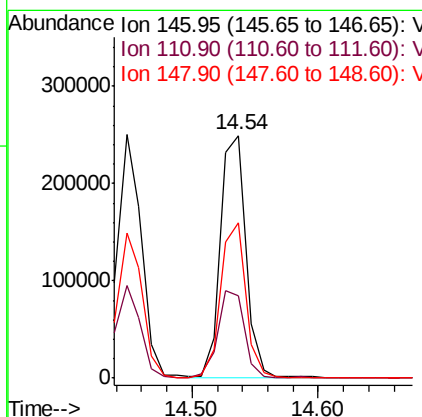
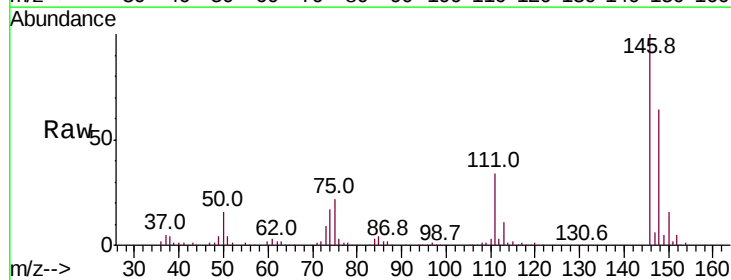
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

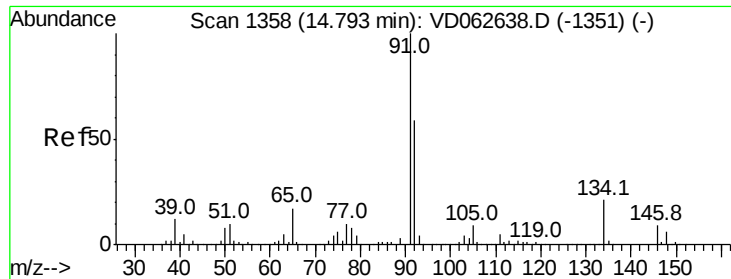
Tot Ion:146 Resp: 337370
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.2 57.6
 148 59.6 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 24.022 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

Tgt Ion:146 Resp: 351344
 Ion Ratio Lower Upper
 146 100
 111 33.7 18.9 56.7
 148 64.0 32.3 96.8

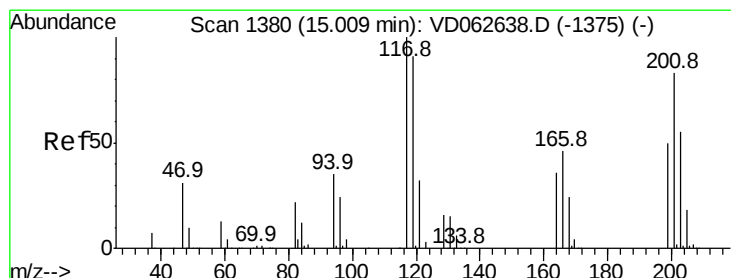
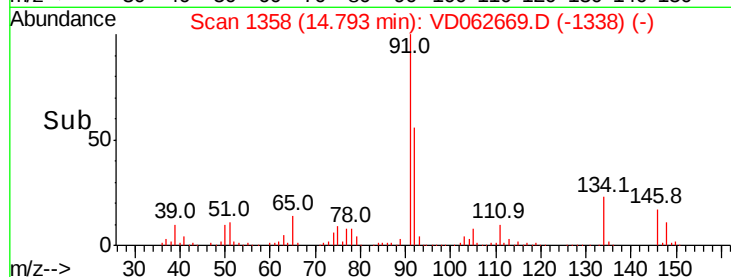
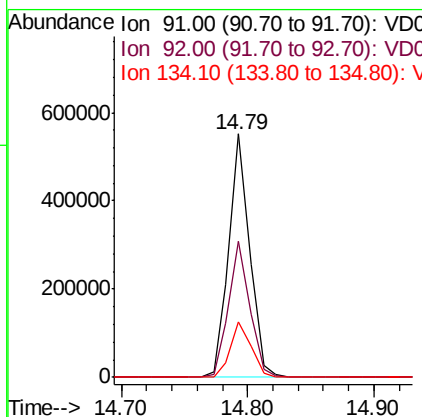
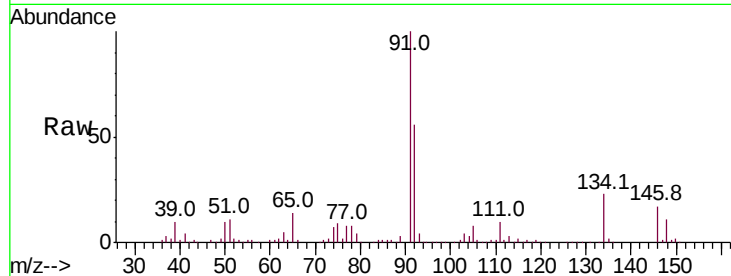




#89
n-Butylbenzene
Concen: 23.618 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

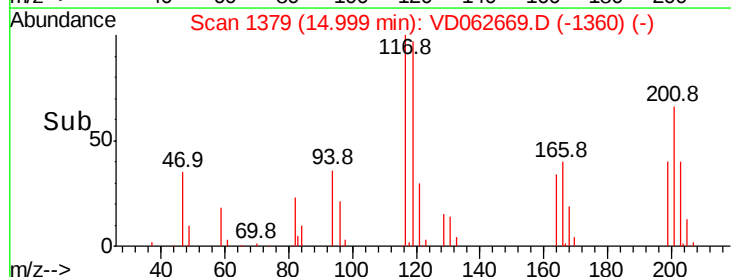
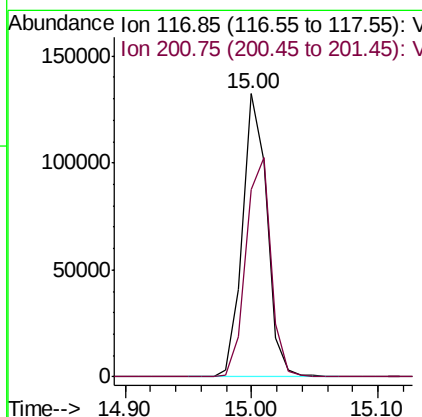
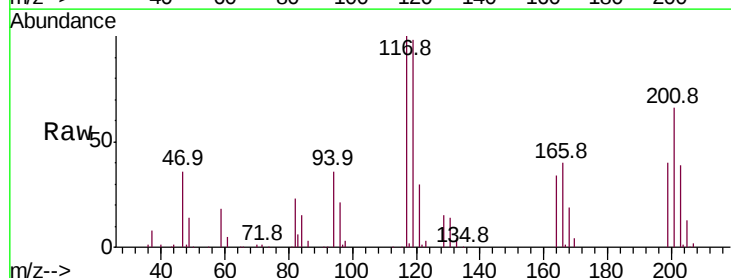
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

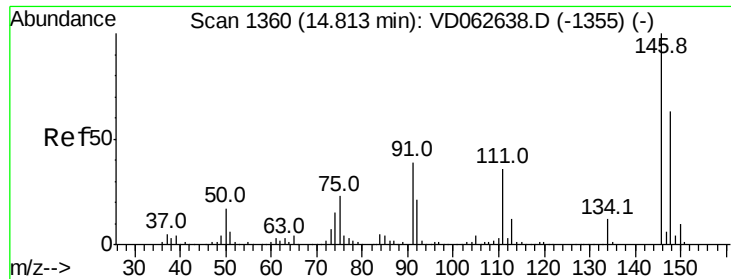
Tot Ion: 91 Resp: 632028
Ion Ratio Lower Upper
91 100
92 55.8 29.4 88.3
134 22.6 10.4 31.2



#90
Hexachloroethane
Concen: 22.620 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion: 117 Resp: 177629
Ion Ratio Lower Upper
117 100
201 66.2 41.5 124.6

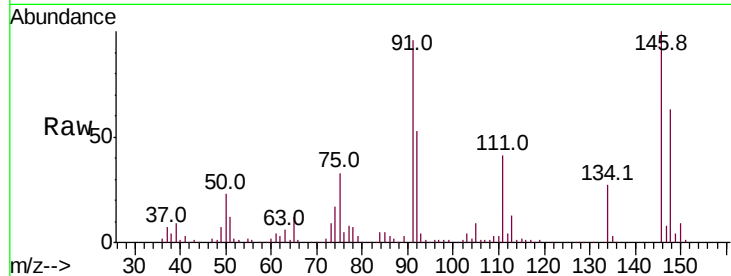




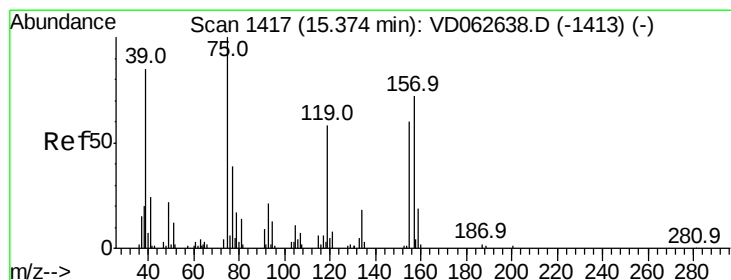
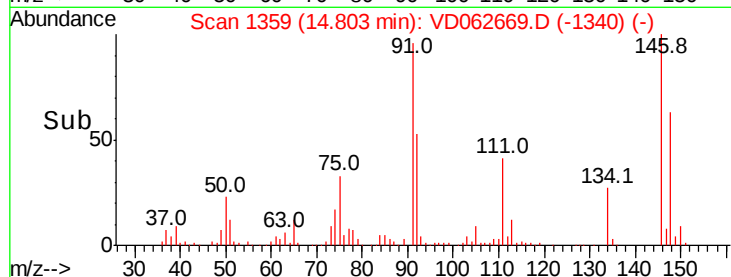
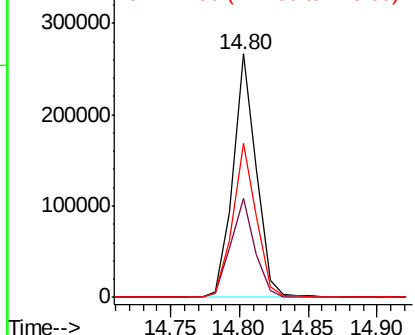
#91
 1,2-Dichlorobenzene
 Concen: 24.400 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

Tot Ion:146 Resp: 313908
 Ion Ratio Lower Upper
 146 100
 111 40.5 18.1 54.3
 148 63.2 31.4 94.0

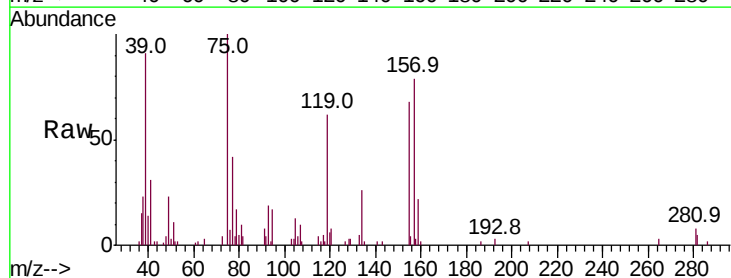


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

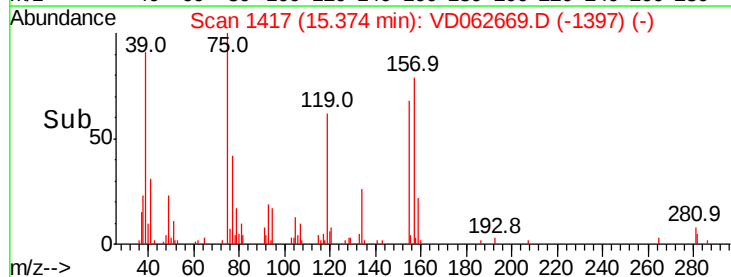
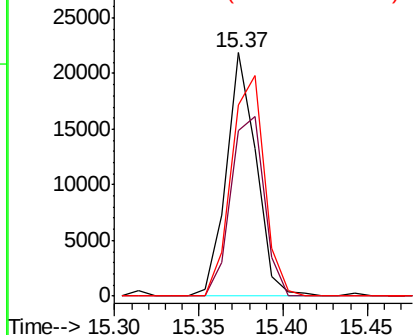


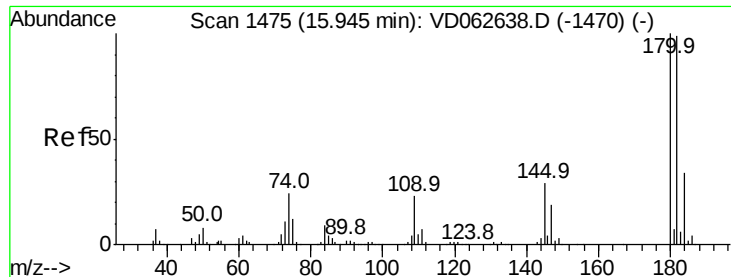
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.647 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

Tgt Ion: 75 Resp: 26925
 Ion Ratio Lower Upper
 75 100
 155 67.8 30.1 90.5
 157 78.7 35.9 107.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

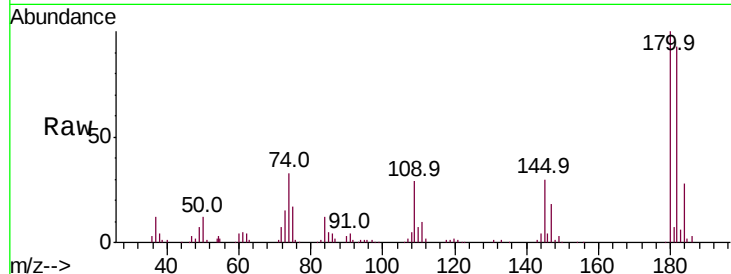




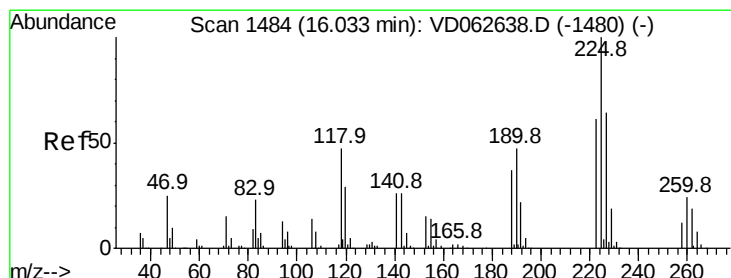
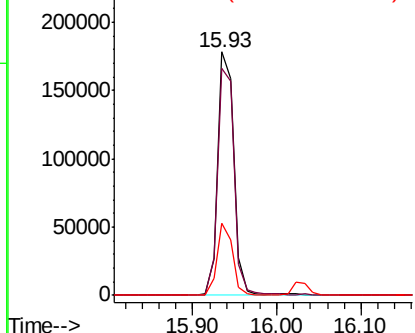
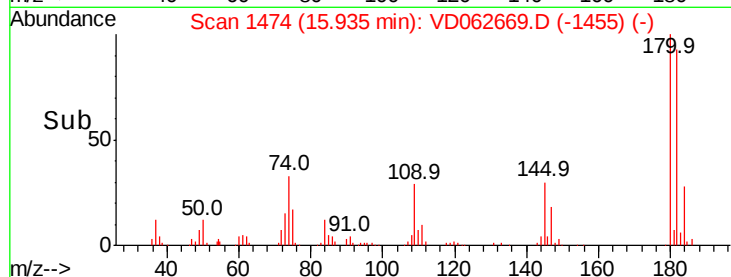
#93
 1,2,4-Trichlorobenzene
 Concen: 23.800 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

Tot Ion:180 Resp: 237771
 Ion Ratio Lower Upper
 180 100
 182 93.1 49.4 148.2
 145 29.6 14.5 43.6

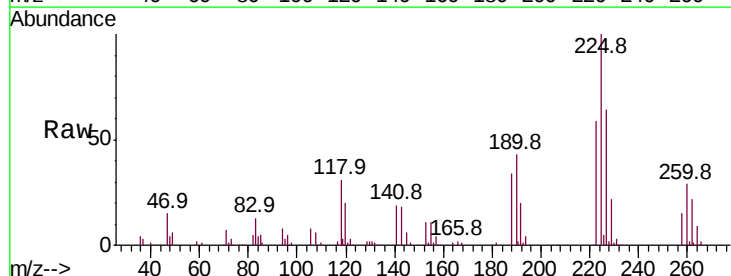


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

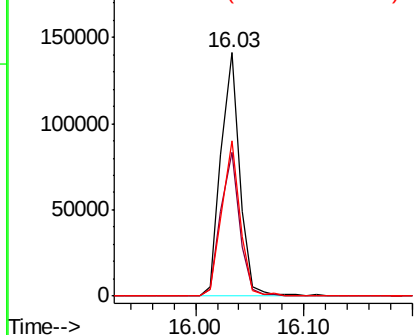
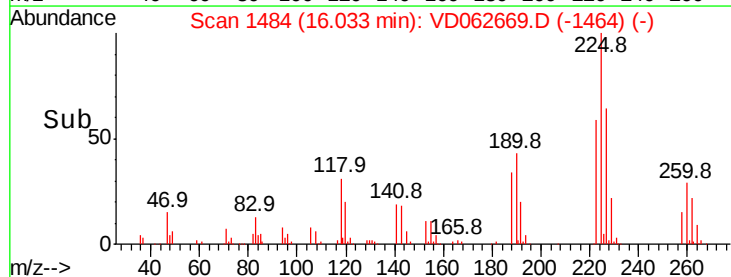


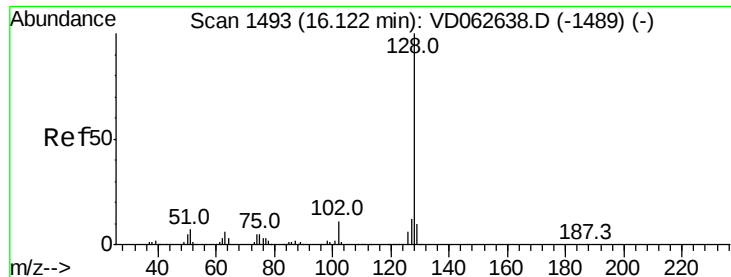
#94
 Hexachlorobutadiene
 Concen: 22.512 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062669.D
 Acq: 12 Jun 2019 12:54

Tgt Ion:225 Resp: 170989
 Ion Ratio Lower Upper
 225 100
 223 58.9 30.3 91.0
 227 63.9 31.8 95.4



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

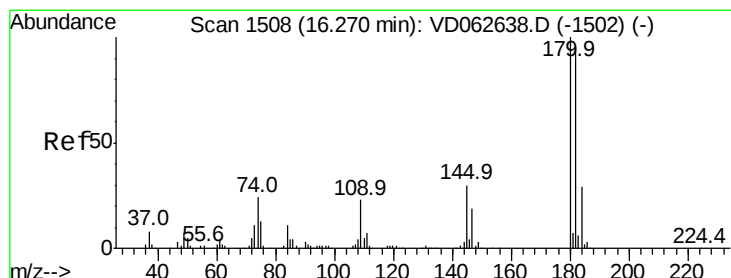
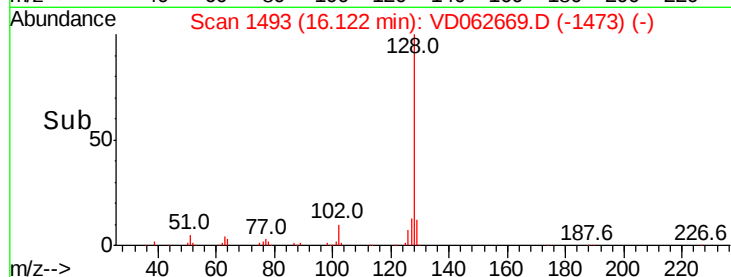
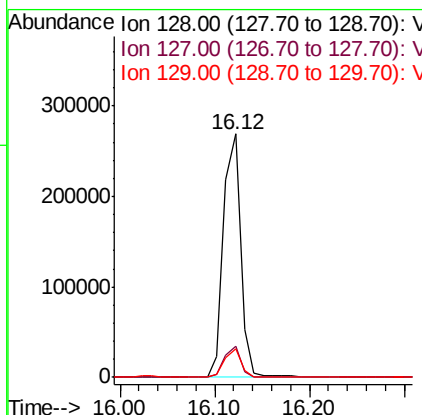
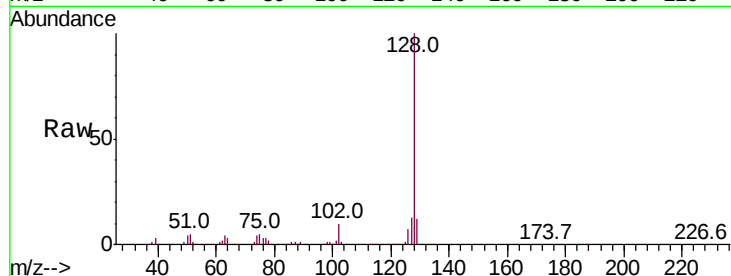




#95
Naphthalene
Concen: 24.148 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion:128 Resp: 342088
Ion Ratio Lower Upper
128 100
127 12.9 9.7 14.5
129 11.6 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 22.847 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062669.D
Acq: 12 Jun 2019 12:54

Tgt Ion:180 Resp: 169300
Ion Ratio Lower Upper
180 100
182 99.7 47.7 143.1
145 30.0 15.0 45.0

