

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062668.D
 Acq On : 12 Jun 2019 12:27
 Operator : VA/AP
 Sample : VD0612SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Quant Time: Jun 13 07:22:54 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	7.03	168	787793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1049515	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	847627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	468532	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	456298	40.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	80.28%	
35) Dibromofluoromethane	6.90	113	484988	43.82	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	87.64%	
50) Toluene-d8	10.39	98	1038103	44.58	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.16%	
62) 4-Bromofluorobenzene	13.54	95	459060	42.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	191886	19.371	ug/l	98
3) Chloromethane	1.73	50	157416	20.195	ug/l	97
4) Vinyl Chloride	1.83	62	154140	19.177	ug/l	99
5) Bromomethane	2.14	94	67589	16.659	ug/l	97
6) Chloroethane	2.24	64	68330	17.218	ug/l #	89
7) Trichlorofluoromethane	2.51	101	337095	18.737	ug/l	100
8) Diethyl Ether	2.85	74	42818	17.498	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.13	101	181993	18.757	ug/l	97
10) Methyl Iodide	3.28	142	200567	17.107	ug/l #	91
11) Tert butyl alcohol	4.06	59	44435	95.094	ug/l #	75
12) 1,1-Dichloroethene	3.11	96	135372	19.442	ug/l	88
13) Acrolein	3.02	56	15760	104.852	ug/l	99
14) Allyl chloride	3.59	41	212187	19.819	ug/l	99
15) Acrylonitrile	4.17	53	108171	101.871	ug/l	94
16) Acetone	3.21	43	201618	96.856	ug/l #	90
17) Carbon Disulfide	3.36	76	376030	18.326	ug/l	97
18) Methyl Acetate	3.62	43	75345	22.024	ug/l #	89
19) Methyl tert-butyl Ether	4.22	73	339815	20.010	ug/l	100
20) Methylene Chloride	3.79	84	151570	18.998	ug/l	95
21) trans-1,2-Dichloroethene	4.19	96	145092	18.997	ug/l	88
22) Diisopropyl ether	5.10	45	444156	19.980	ug/l	96
23) Vinyl Acetate	5.03	43	1338622	97.062	ug/l	97
24) 1,1-Dichloroethane	4.96	63	278332	19.462	ug/l	98
25) 2-Butanone	6.04	43	194493	95.772	ug/l	98
26) 2,2-Dichloropropane	5.99	77	313030	18.992	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	155749	18.810	ug/l	86
28) Bromochloromethane	6.42	49	97068	17.756	ug/l	91
29) Tetrahydrofuran	6.45	42	83348	91.137	ug/l	98
30) Chloroform	6.64	83	350982	19.128	ug/l	89
31) Cyclohexane	6.93	56	168940	18.832	ug/l	95
32) 1,1,1-Trichloroethane	6.85	97	353531	19.363	ug/l	100
36) 1,1-Dichloropropene	7.13	75	218719	18.209	ug/l	99
37) Ethyl Acetate	6.16	43	103211	20.869	ug/l #	86
38) Carbon Tetrachloride	7.09	117	358580	18.887	ug/l	95

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Instrument :
 MSVOA_D
 ClientSampleId :
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Quant Time: Jun 13 07:22:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	191630	19.742	ug/l	90
40) Benzene	7.43	78	417017	17.778	ug/l	99
41) Methacrylonitrile	6.43	41	126280	20.083	ug/l #	98
42) 1,2-Dichloroethane	7.56	62	258772	18.508	ug/l	98
43) Isopropyl Acetate	9.22	43	125576	19.814	ug/l #	100
44) Trichloroethene	8.52	130	176921	18.578	ug/l	94
45) 1,2-Dichloropropane	8.92	63	109173	19.376	ug/l	91
46) Dibromomethane	9.05	93	95657	19.126	ug/l	93
47) Bromodichloromethane	9.36	83	267157	19.636	ug/l	97
48) Methyl methacrylate	9.11	41	87470	19.103	ug/l	93
49) 1,4-Dioxane	9.07	88	14550	385.825	ug/l #	68
51) 4-Methyl-2-Pentanone	10.29	43	422014	95.161	ug/l	100
52) Toluene	10.49	92	294561	18.681	ug/l	95
53) t-1,3-Dichloropropene	10.90	75	227202	20.368	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	219762	19.062	ug/l	92
55) 1,1,2-Trichloroethane	11.17	97	104703	19.363	ug/l	97
56) Ethyl methacrylate	11.02	69	114954	20.193	ug/l	95
57) 1,3-Dichloropropane	11.40	76	154668	18.454	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	331885	114.833	ug/l	90
59) 2-Hexanone	11.52	43	310435	94.105	ug/l	99
60) Dibromochloromethane	11.67	129	204973	19.202	ug/l	98
61) 1,2-Dibromoethane	11.79	107	129822	20.060	ug/l	93
64) Tetrachloroethene	11.24	164	163044	20.548	ug/l	96
65) Chlorobenzene	12.38	112	371343	19.806	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	181295	20.274	ug/l	98
67) Ethyl Benzene	12.51	91	657364	19.775	ug/l	100
68) m/p-Xylenes	12.66	106	476505	40.774	ug/l	99
69) o-Xylene	13.04	106	225294	20.991	ug/l	94
70) Styrene	13.06	104	379494	19.816	ug/l	96
71) Bromoform	13.23	173	133250	21.156	ug/l	91
73) Isopropylbenzene	13.40	105	697742	21.128	ug/l	95
74) N-amyl acetate	13.26	43	190641	21.360	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	122882	21.746	ug/l	93
76) 1,2,3-Trichloropropane	13.72	75	132084	20.791	ug/l	94
77) Bromobenzene	13.66	156	202426	21.446	ug/l	96
78) n-propylbenzene	13.76	91	775754	19.190	ug/l	98
79) 2-Chlorotoluene	13.83	91	517542	21.866	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	608317	20.842	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	33041	20.066	ug/l	96
82) 4-Chlorotoluene	13.94	91	591981	20.914	ug/l	97
83) tert-Butylbenzene	14.18	119	683219	21.224	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	602572	20.852	ug/l	99
85) sec-Butylbenzene	14.36	105	682755	20.226	ug/l	97
86) p-Isopropyltoluene	14.48	119	667703	20.316	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	332313	19.434	ug/l	94
88) 1,4-Dichlorobenzene	14.53	146	326898	20.229	ug/l	98
89) n-Butylbenzene	14.80	91	641791	21.706	ug/l	95
90) Hexachloroethane	15.00	117	168987	19.476	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	303274	21.336	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23400	19.387	ug/l #	59

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ClientSampleId :
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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

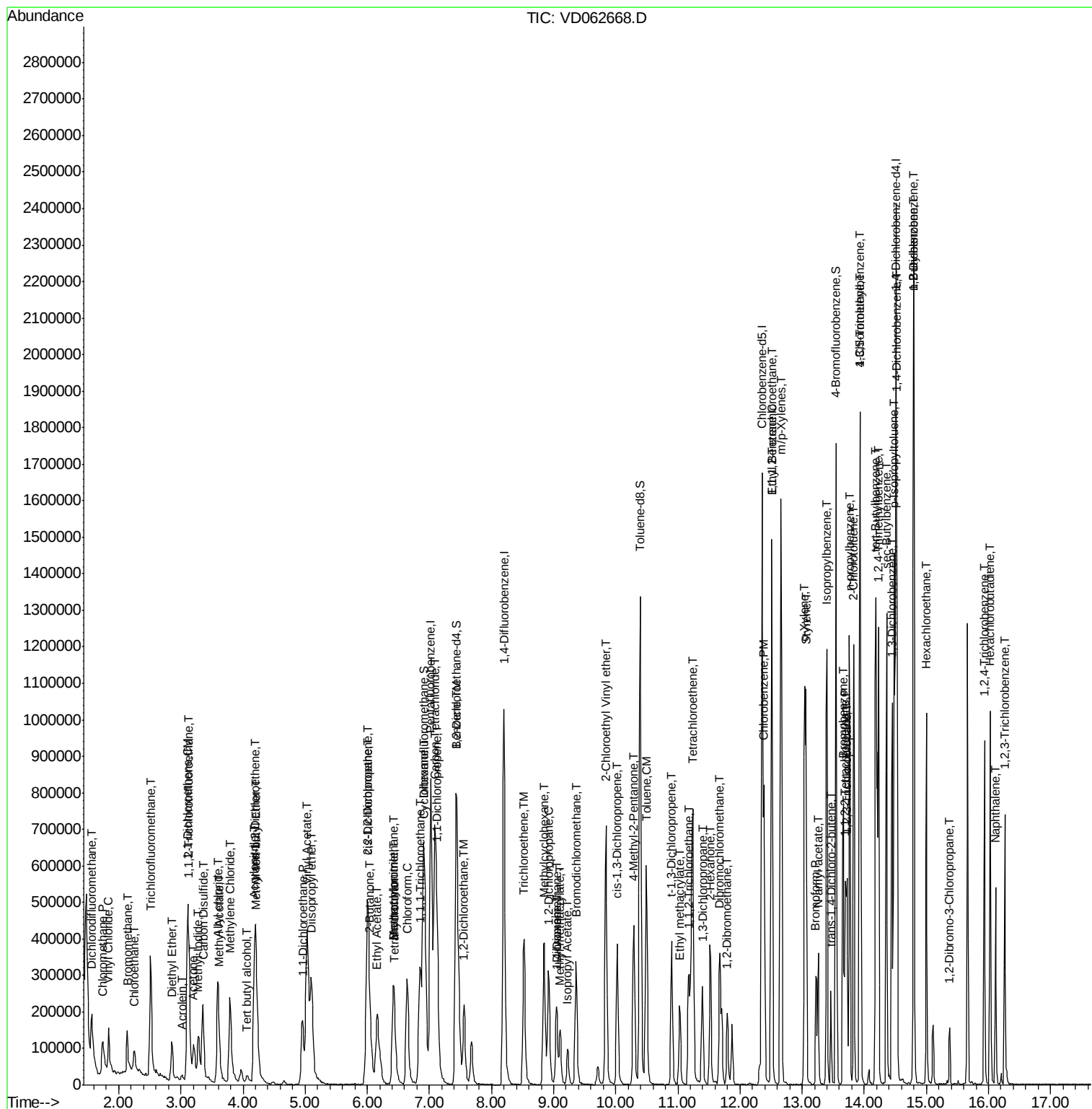
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	215145	20.137	ug/l	97
94) Hexachlorobutadiene	16.03	225	164108	19.555	ug/l	95
95) Naphthalene	16.11	128	300924	19.929	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	169024	20.645	ug/l	98

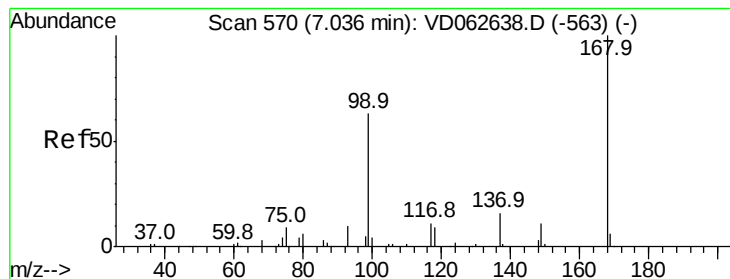
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD062668.D
Acq On : 12 Jun 2019 12:27
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Quant Time: Jun 13 07:22:54 2019
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

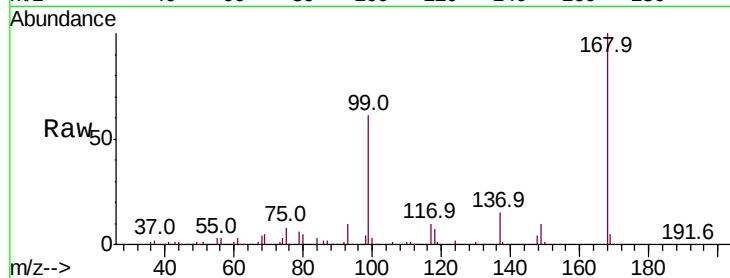
VD0612SBS01

Tot Ion:168 Resp: 787793

Ion Ratio Lower Upper

168 100

99 61.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

300000

250000

200000

150000

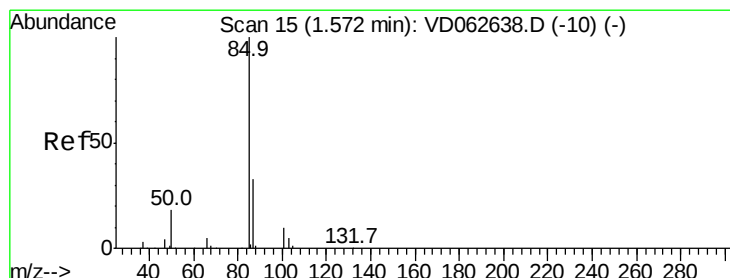
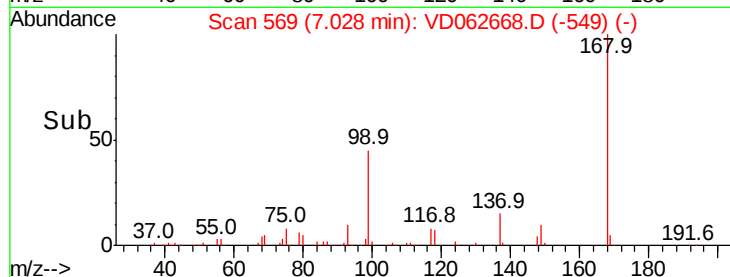
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 19.371 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062668.D

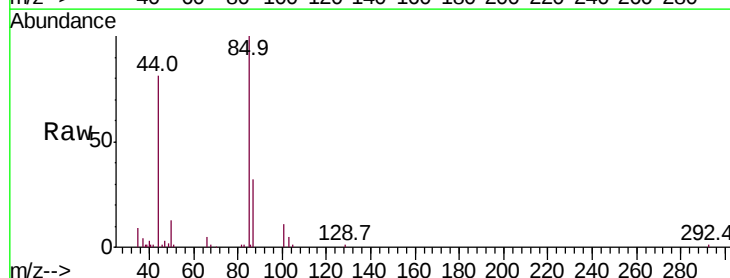
Acq: 12 Jun 2019 12:27

Tgt Ion: 85 Resp: 191886

Ion Ratio Lower Upper

85 100

87 31.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

60000

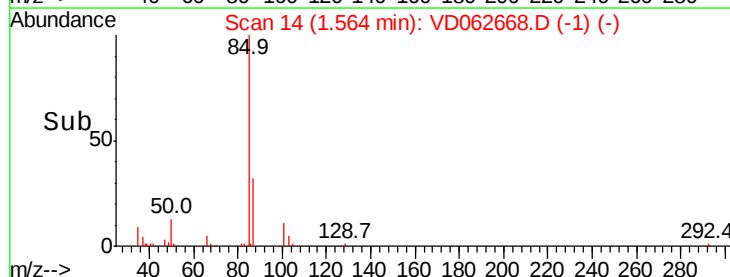
40000

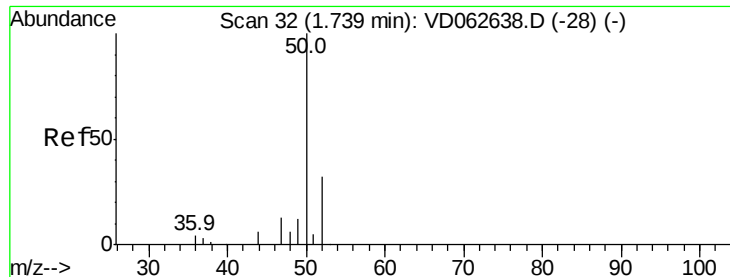
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 20.195 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

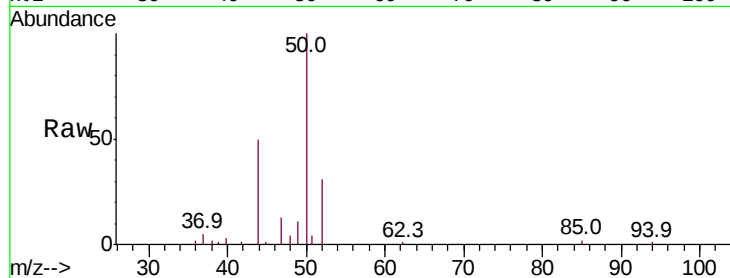
VD0612SBS01

Tot Ion: 50 Resp: 157416

Ion Ratio Lower Upper

50 100

52 30.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

50000

40000

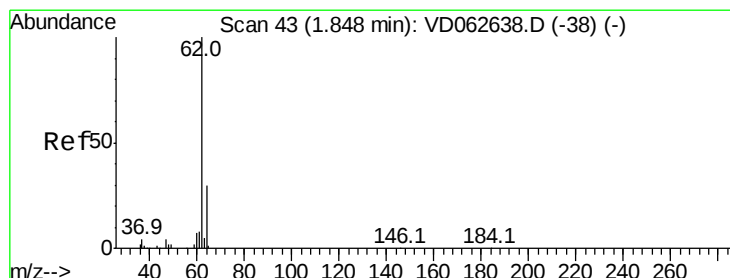
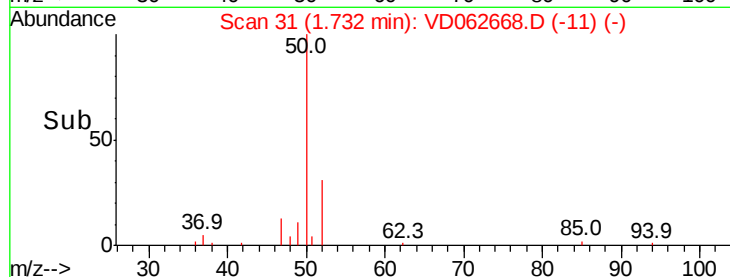
30000

20000

10000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 19.177 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.02 min

Lab File: VD062668.D

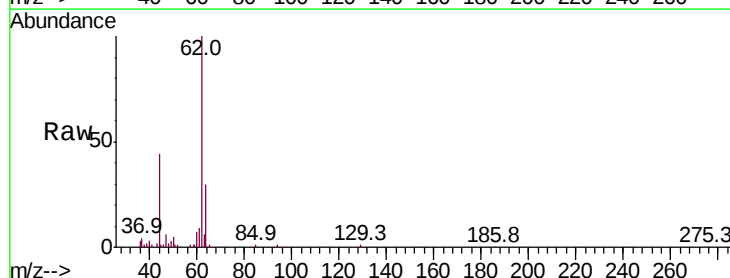
Acq: 12 Jun 2019 12:27

Tgt Ion: 62 Resp: 154140

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

1.83

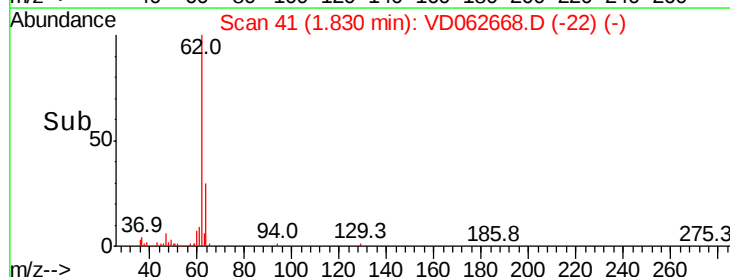
60000

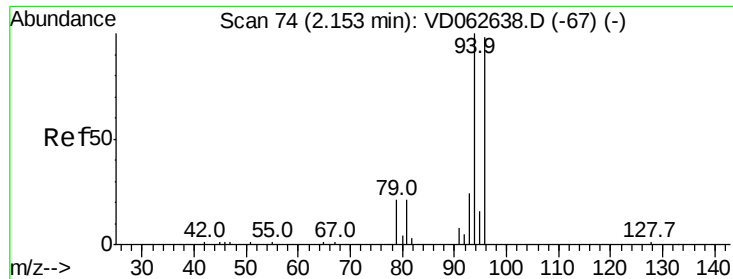
40000

20000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 16.659 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

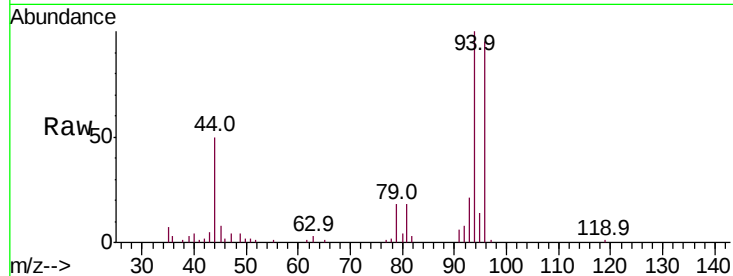
Tot Ion: 94 Resp: 67589

Ion Ratio Lower Upper

94 100

96 95.4 78.1 117.1

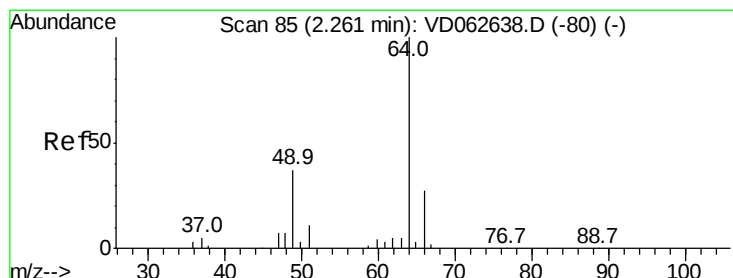
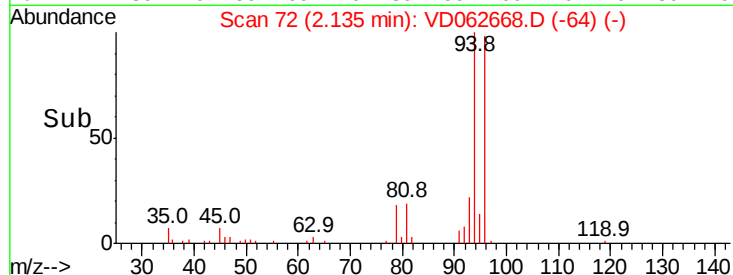
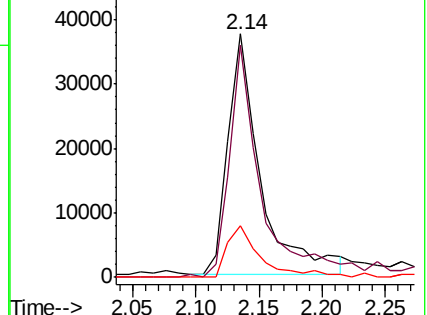
93 21.2 19.6 29.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 17.218 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD062668.D

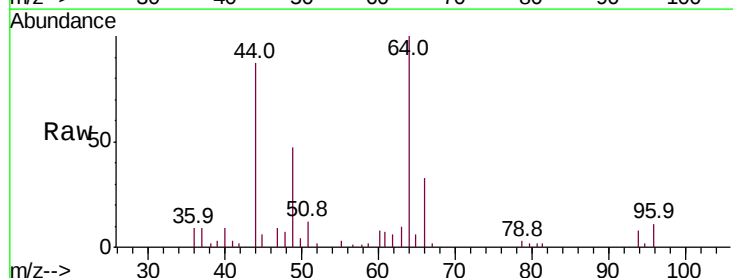
Acq: 12 Jun 2019 12:27

Tgt Ion: 64 Resp: 68330

Ion Ratio Lower Upper

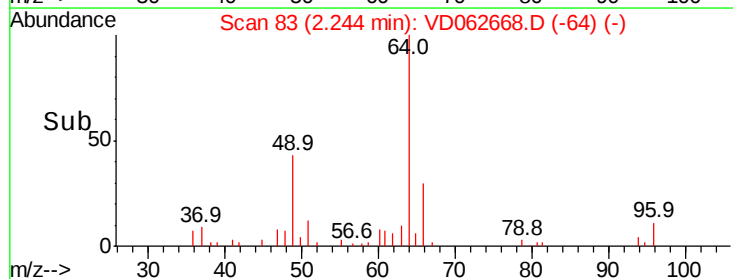
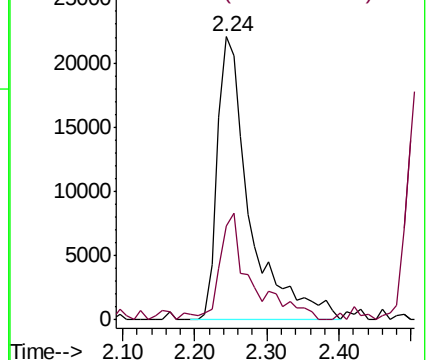
64 100

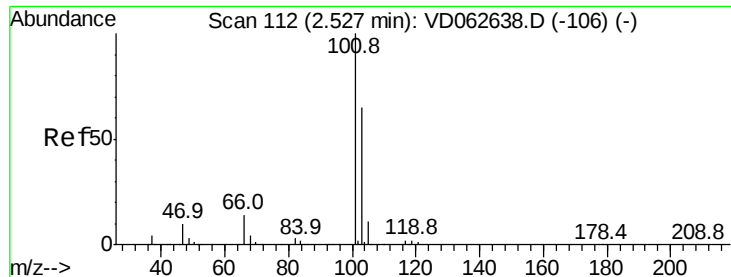
66 33.1 21.9 32.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



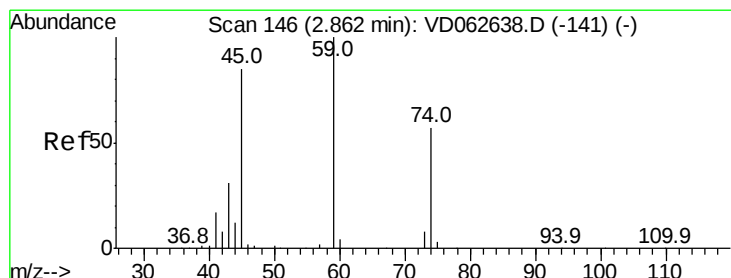
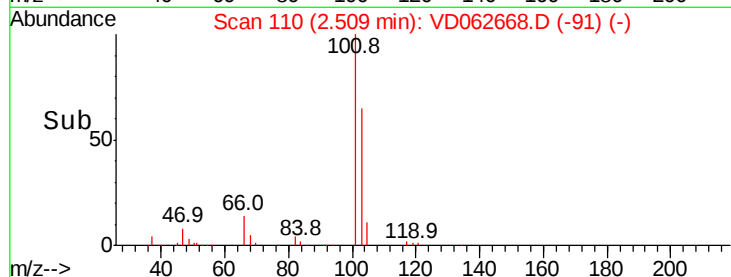
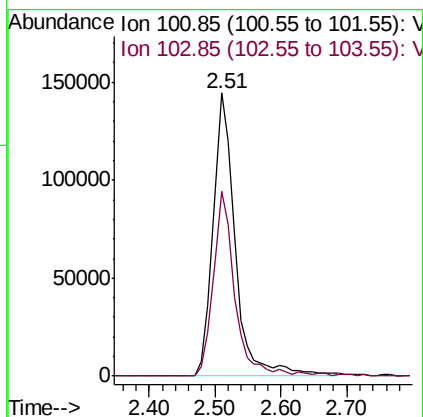
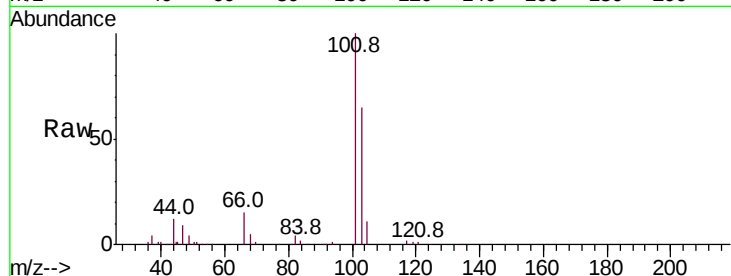


#7

Trichlorofluoromethane
Concen: 18.737 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Instrument :
MSVOA_D
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VD0612SBS01

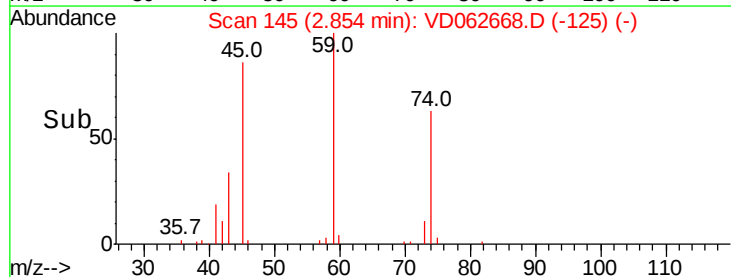
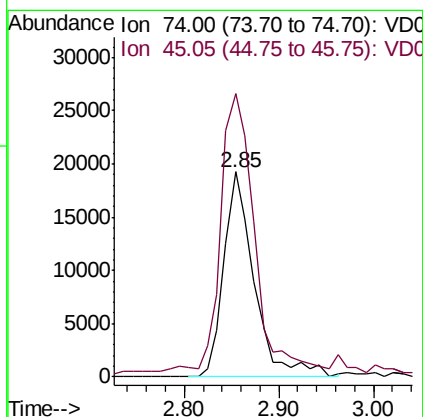
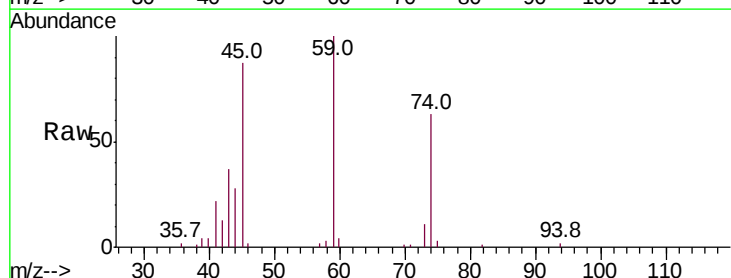
Tot Ion:101 Resp: 337095
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.2

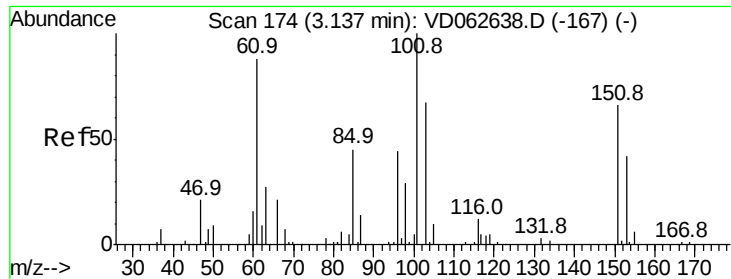


#8

Diethyl Ether
Concen: 17.498 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion: 74 Resp: 42818
Ion Ratio Lower Upper
74 100
45 138.1 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.757 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

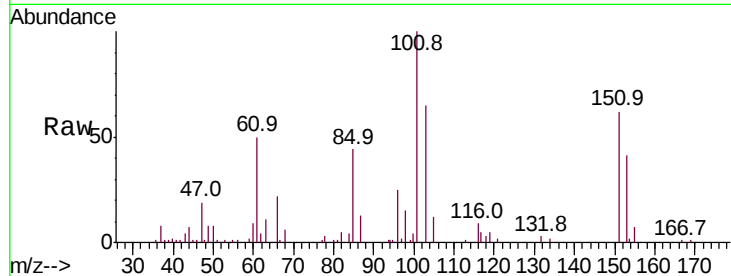
Tot Ion:101 Resp: 181993

Ion Ratio Lower Upper

101 100

85 43.8 36.0 54.0

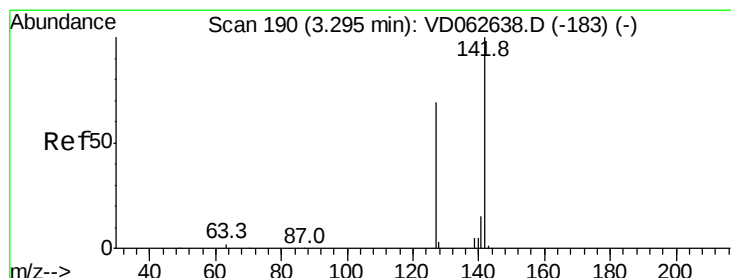
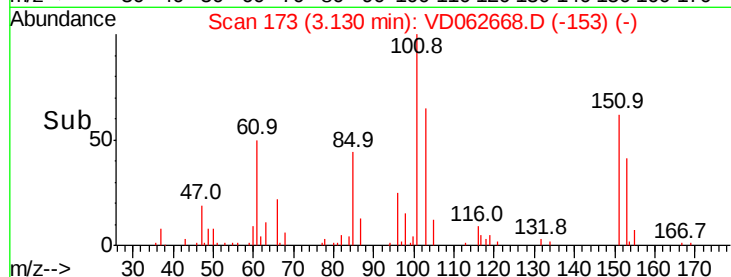
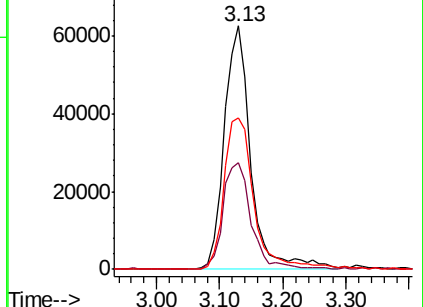
151 62.3 52.6 79.0



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: 17.107 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

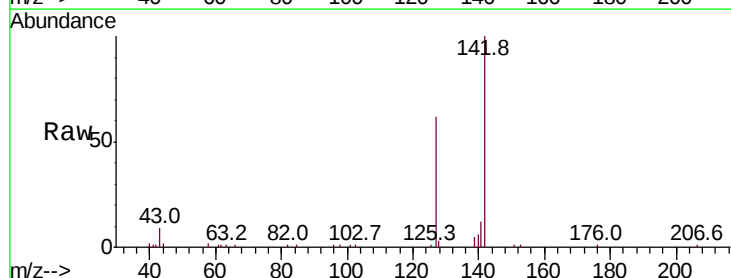
Tgt Ion:142 Resp: 200567

Ion Ratio Lower Upper

142 100

127 61.8 55.2 82.8

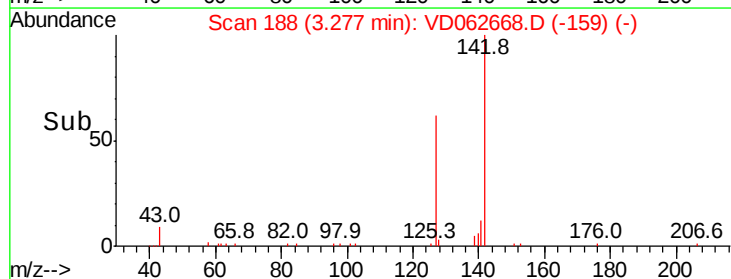
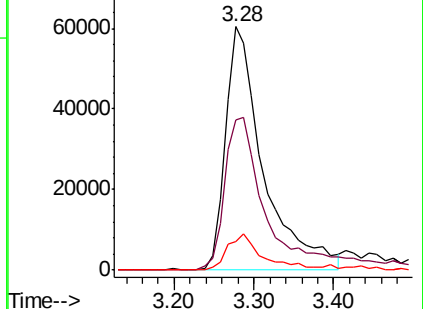
141 11.8 12.1 18.1#

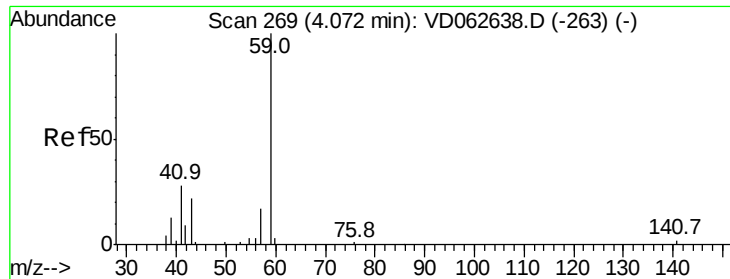


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



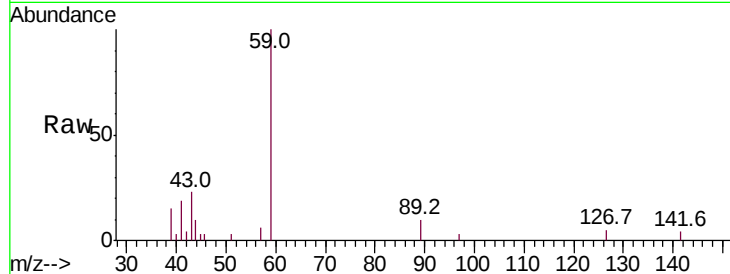


#11

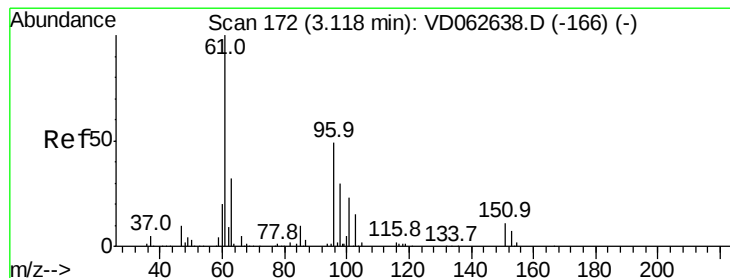
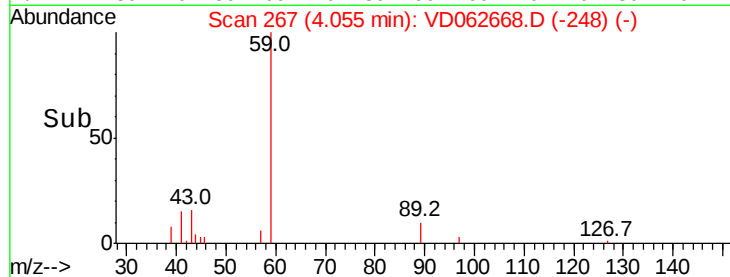
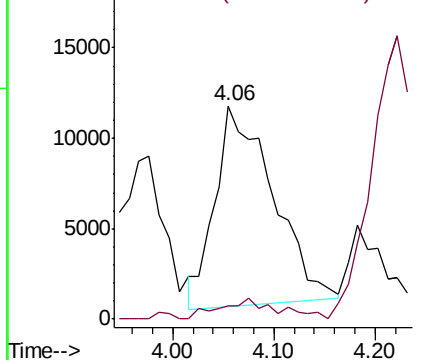
Tert butyl alcohol
 Concen: 95.094 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. -0.02 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Tot Ion: 59 Resp: 44435
 Ion Ratio Lower Upper
 59 100
 57 6.5 13.7 20.5#



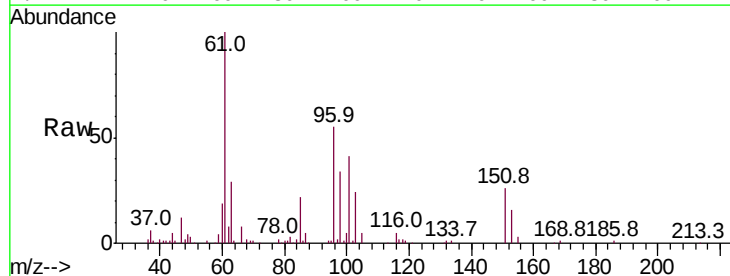
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



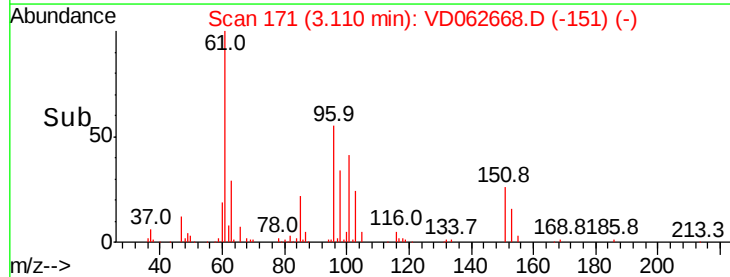
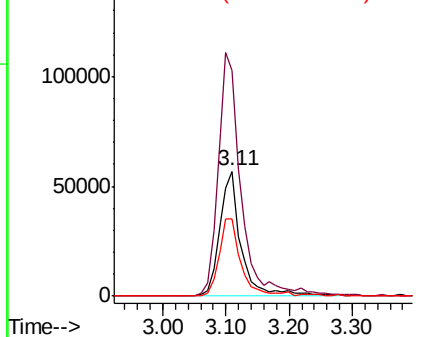
#12

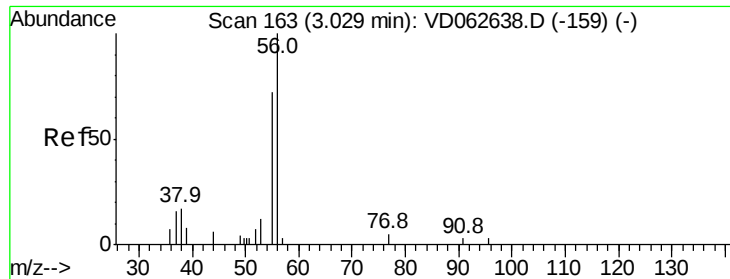
1,1-Dichloroethene
 Concen: 19.442 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Tgt Ion: 96 Resp: 135372
 Ion Ratio Lower Upper
 96 100
 61 180.3 161.8 242.8
 98 61.6 48.2 72.4



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





#13

Acrolein

Concen: 104.852 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

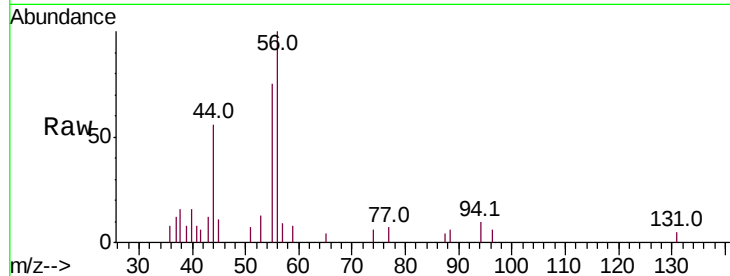
VD0612SBS01

Tot Ion: 56 Resp: 15760

Ion Ratio Lower Upper

56 100

55 74.9 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

6000

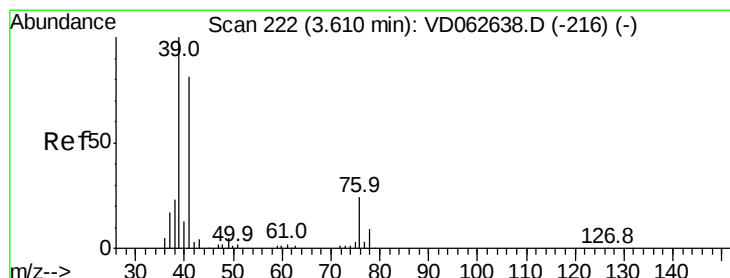
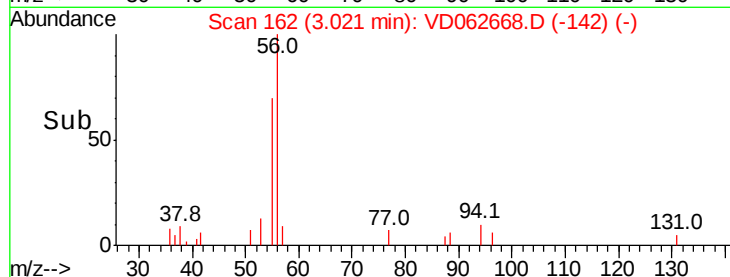
4000

2000

0

Time--> 2.90 3.00 3.10

3.02



#14

Allyl chloride

Concen: 19.819 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

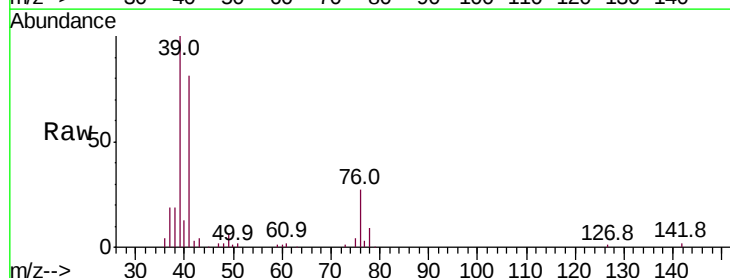
Tgt Ion: 41 Resp: 212187

Ion Ratio Lower Upper

41 100

39 123.6 99.1 148.7

76 33.8 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

120000

100000

80000

60000

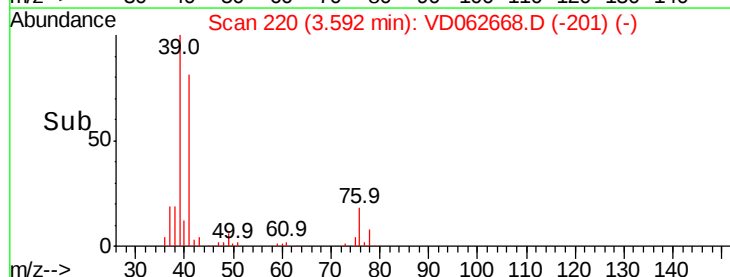
40000

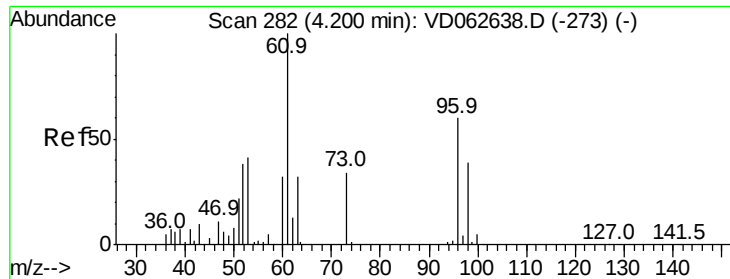
20000

0

Time--> 3.50 3.60 3.70 3.80

3.59





#15

Acrylonitrile

Concen: 101.871 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

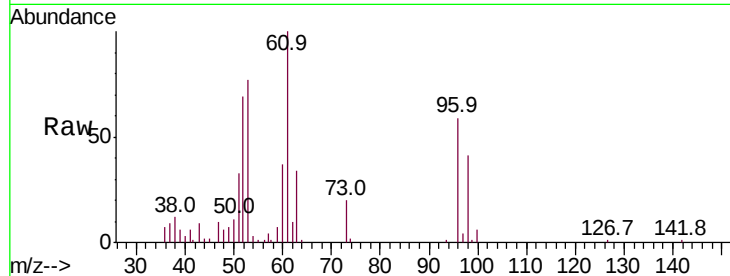
Tot Ion: 53 Resp: 108171

Ion Ratio Lower Upper

53 100

52 89.8 73.6 110.4

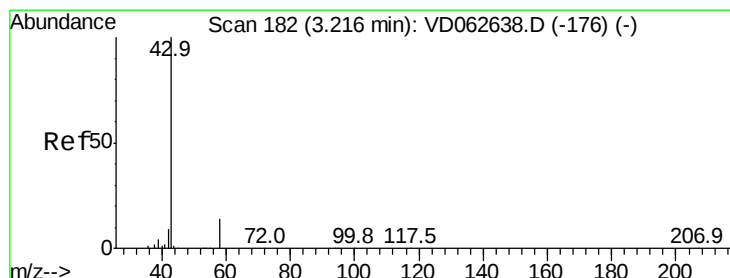
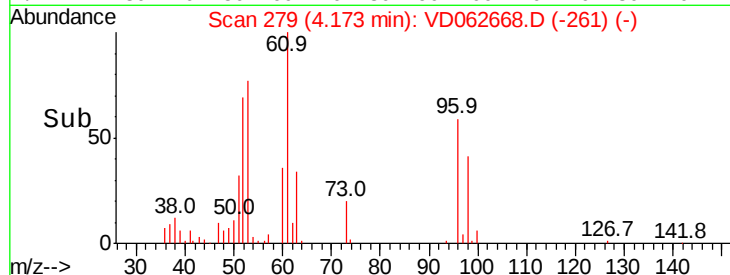
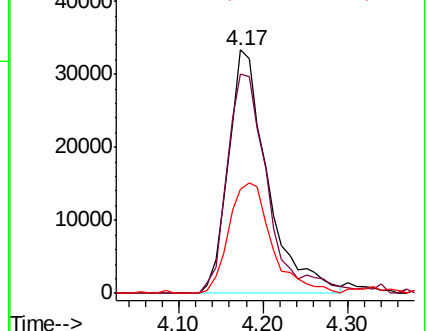
51 42.7 42.0 63.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 96.856 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062668.D

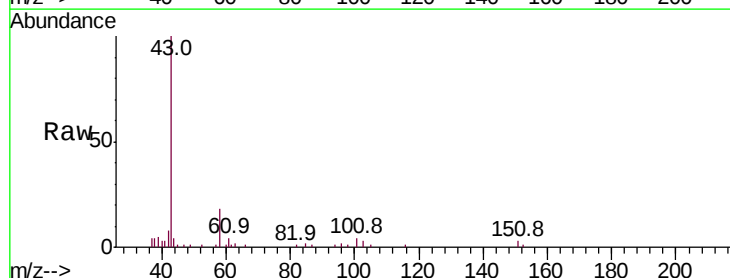
Acq: 12 Jun 2019 12:27

Tgt Ion: 43 Resp: 201618

Ion Ratio Lower Upper

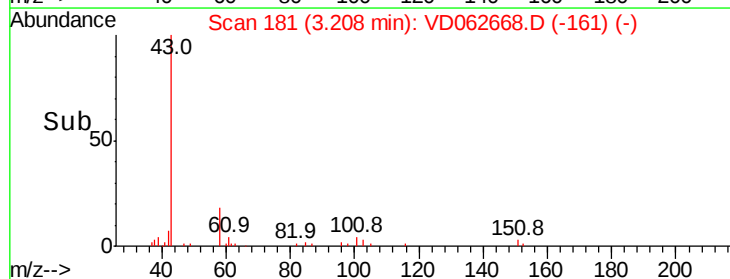
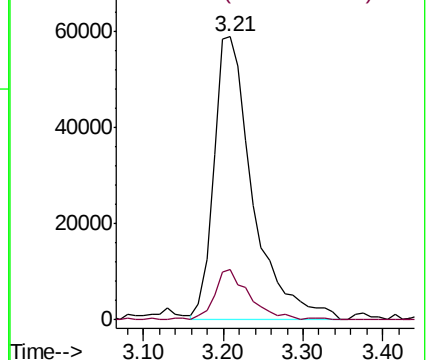
43 100

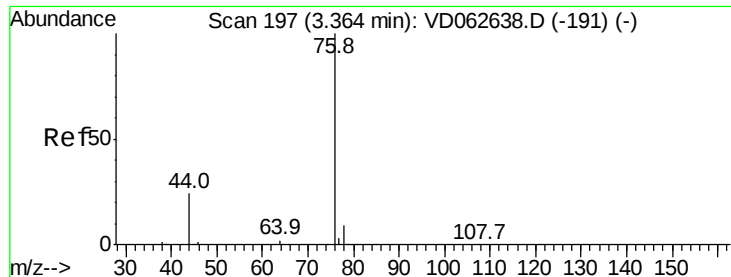
58 17.7 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

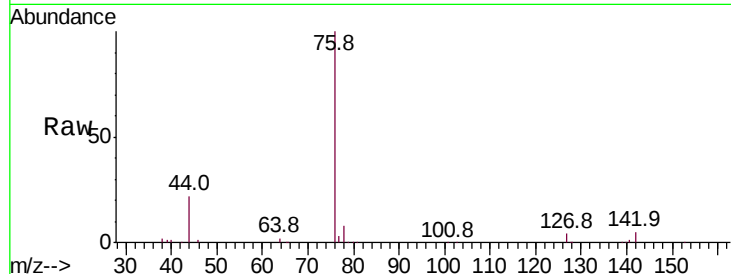




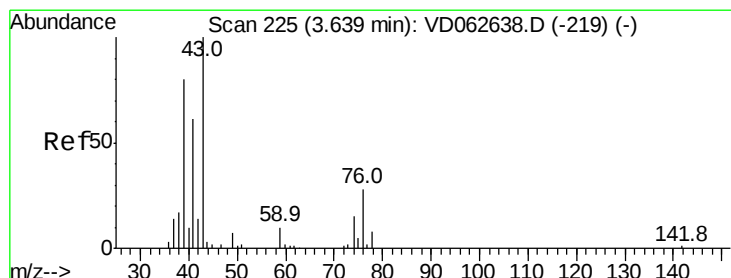
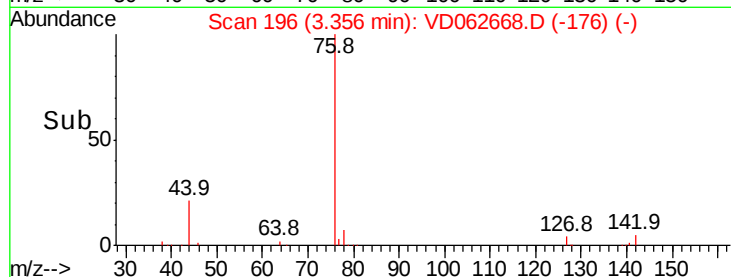
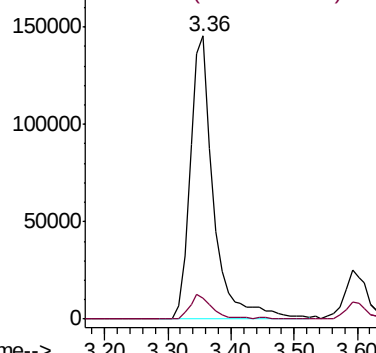
#17
Carbon Disulfide
Concen: 18.326 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

Tot Ion: 76 Resp: 376030
Ion Ratio Lower Upper
76 100
78 7.5 7.0 10.4

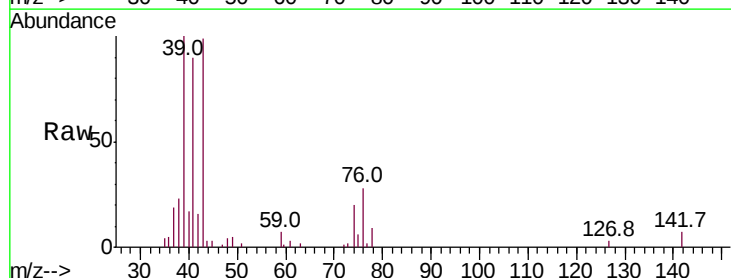


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

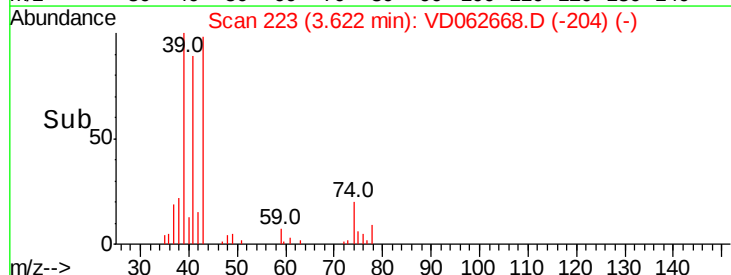
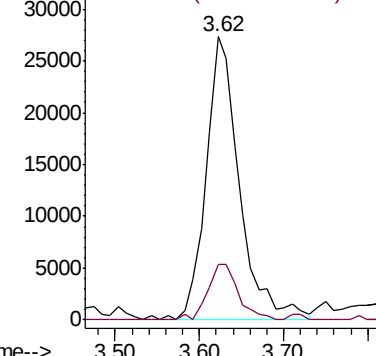


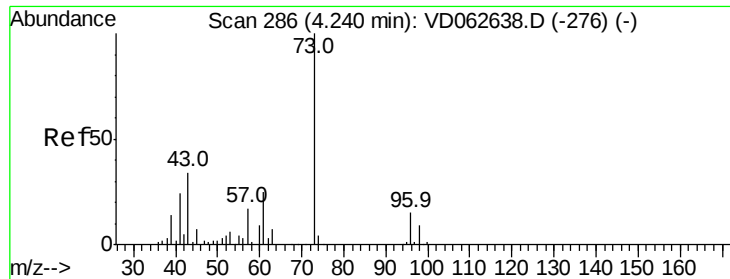
#18
Methyl Acetate
Concen: 22.024 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion: 43 Resp: 75345
Ion Ratio Lower Upper
43 100
74 19.7 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

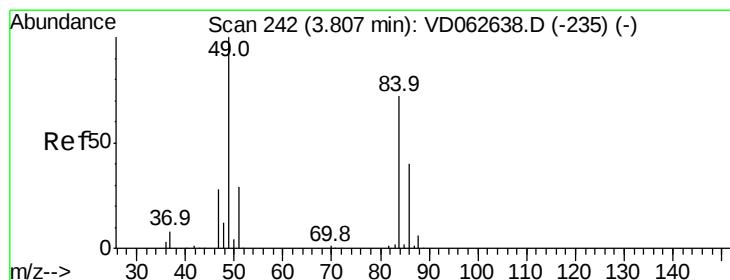
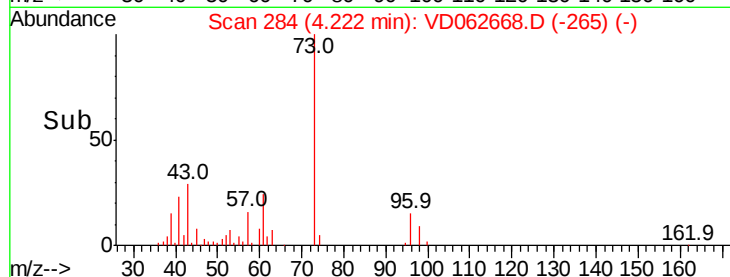
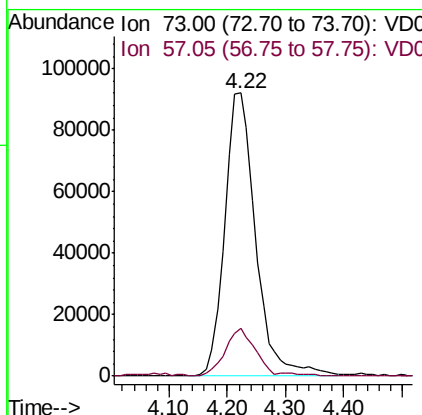
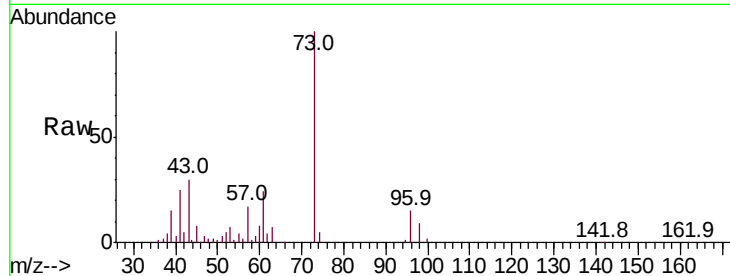




#19
Methvl tert-butvl Ether
Concen: 20.010 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

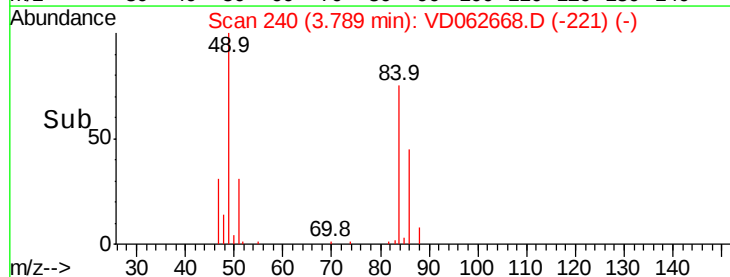
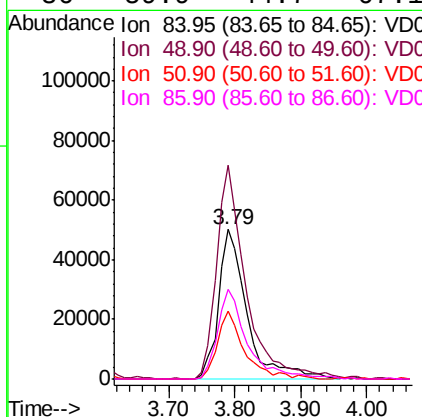
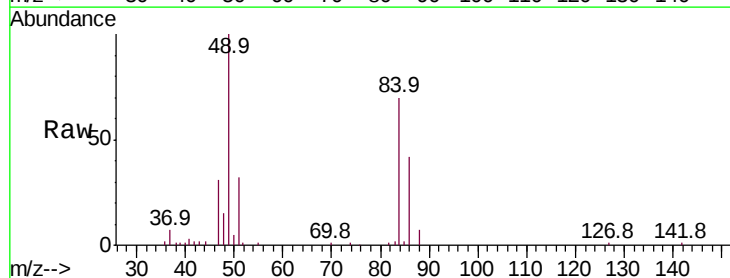
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

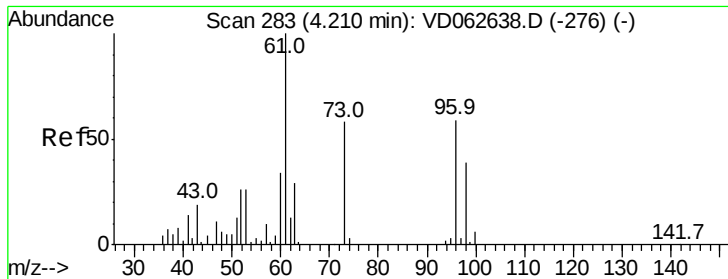
Tot Ion: 73 Resp: 339815
Ion Ratio Lower Upper
73 100
57 17.0 13.5 20.3



#20
Methylene Chloride
Concen: 18.998 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion: 84 Resp: 151570
Ion Ratio Lower Upper
84 100
49 142.9 111.2 166.8
51 45.1 31.9 47.9
86 59.9 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 18.997 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

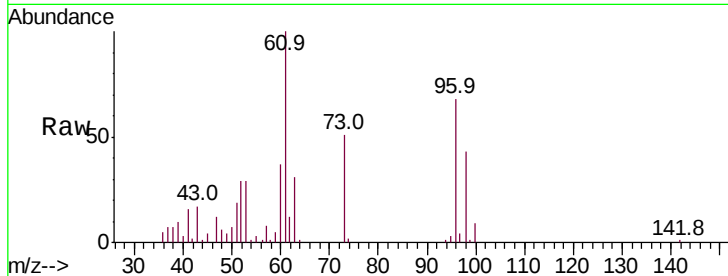
Tot Ion: 96 Resp: 145092

Ion Ratio Lower Upper

96 100

61 146.4 134.6 201.8

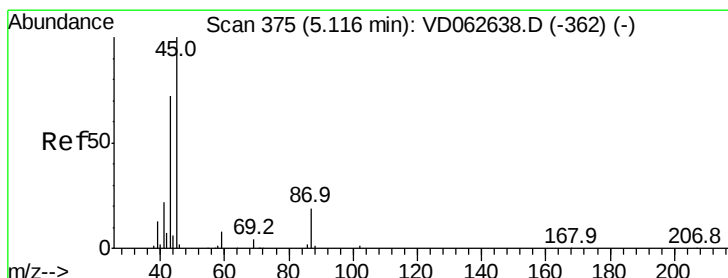
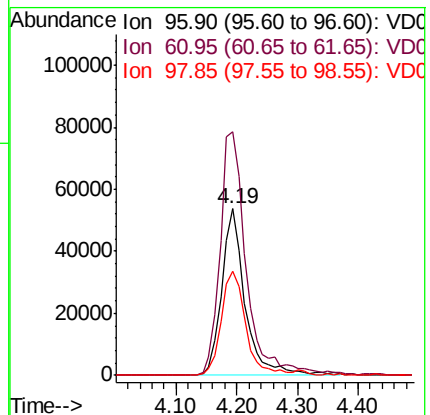
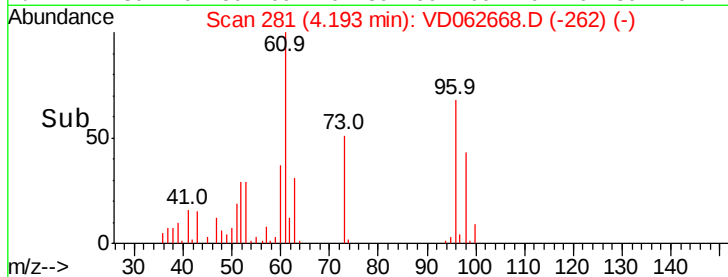
98 62.8 51.8 77.8



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



#22

Diisopropyl ether

Concen: 19.980 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Tgt Ion: 45 Resp: 444156

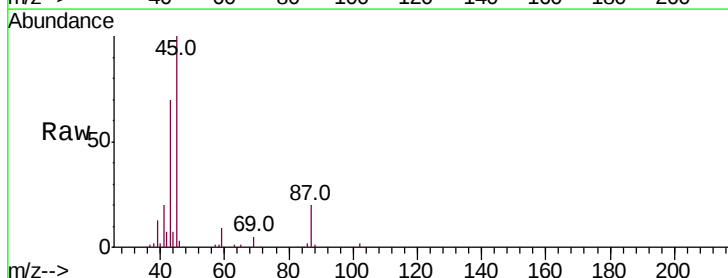
Ion Ratio Lower Upper

45 100

43 69.8 58.8 88.2

87 20.4 15.7 23.5

59 9.2 6.6 9.8

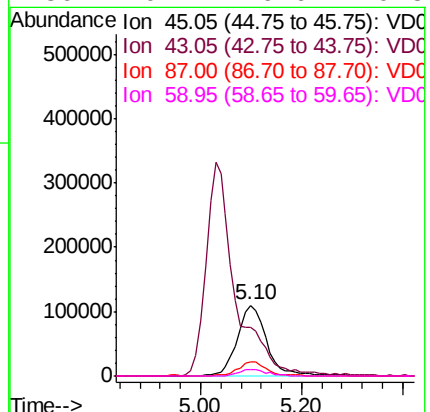
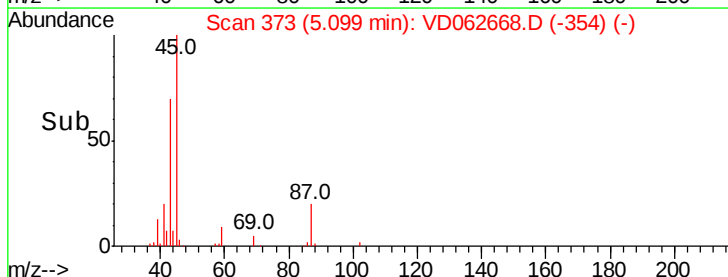


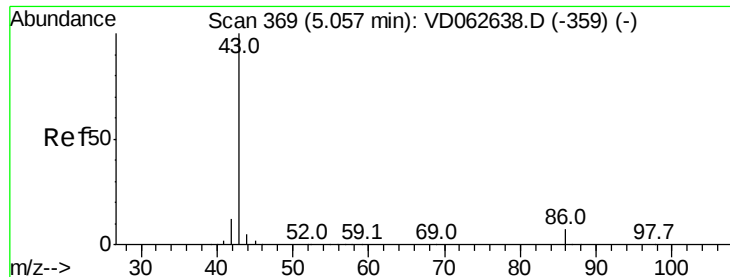
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 97.062 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.03 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

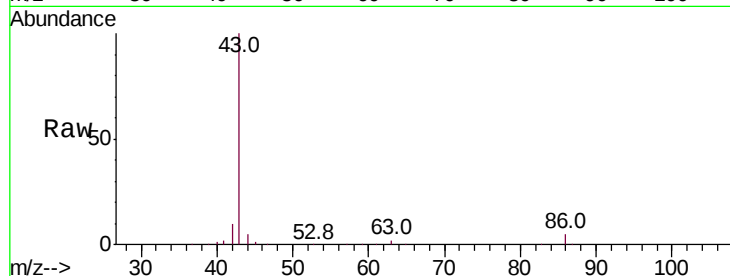
VD0612SBS01

Tot Ion: 43 Resp: 1338622

Ion Ratio Lower Upper

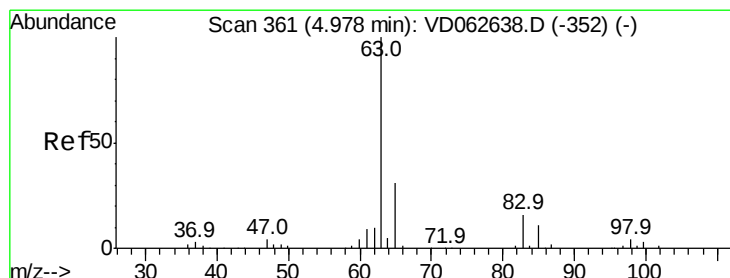
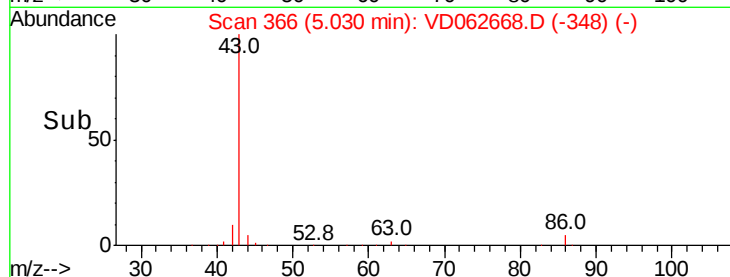
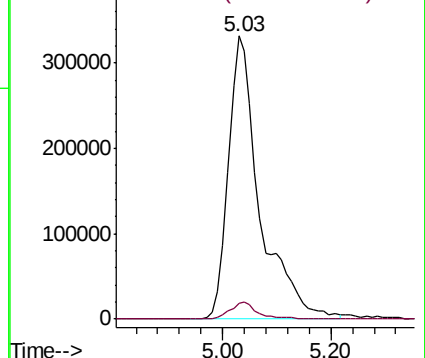
43 100

86 5.5 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.462 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

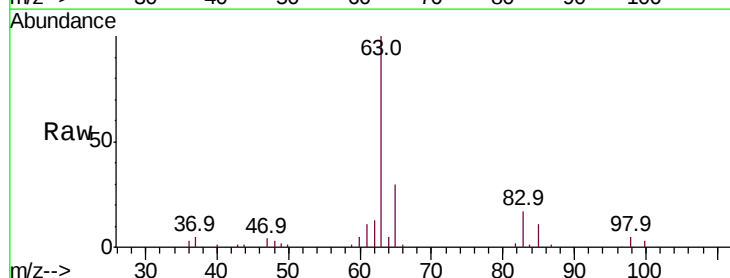
Tgt Ion: 63 Resp: 278332

Ion Ratio Lower Upper

63 100

98 4.9 1.8 5.4

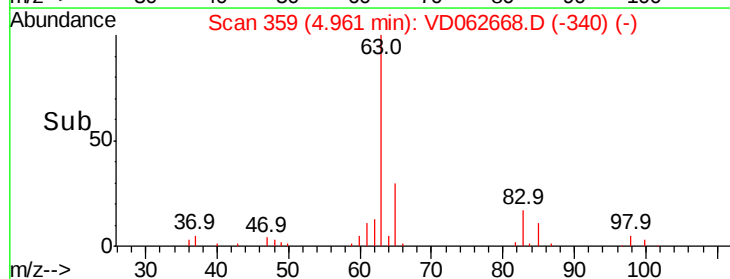
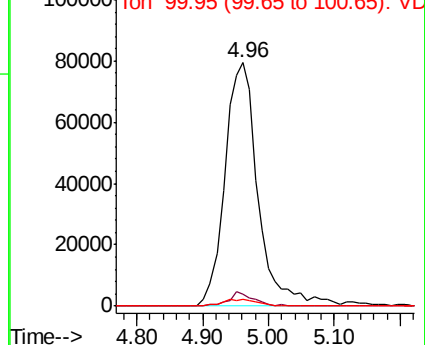
100 2.8 1.5 4.4

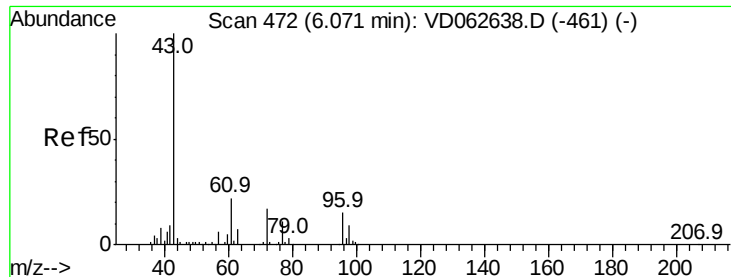


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 95.772 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

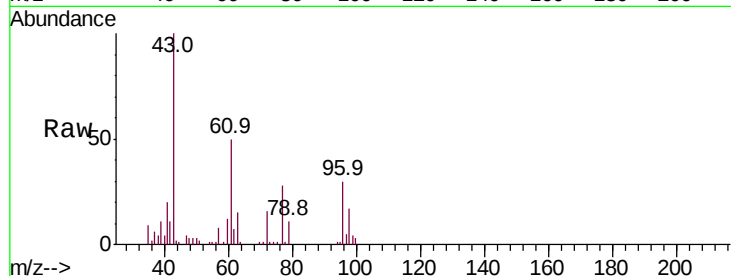
VD0612SBS01

Tot Ion: 43 Resp: 194493

Ion Ratio Lower Upper

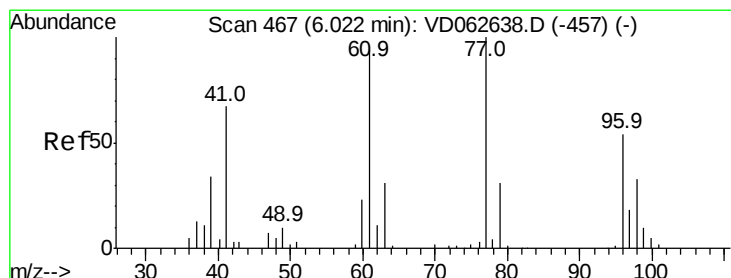
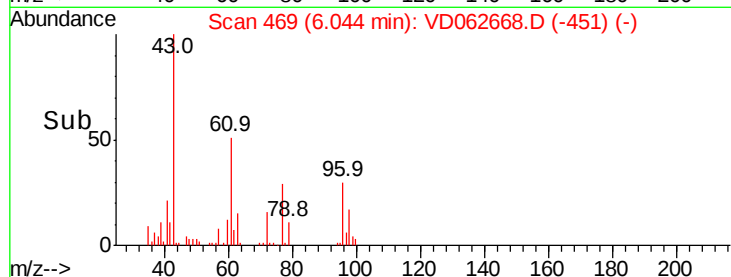
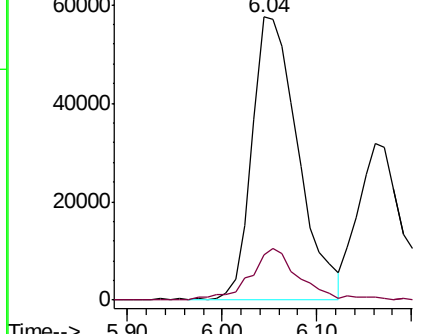
43 100

72 16.0 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: 18.992 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.03 min

Lab File: VD062668.D

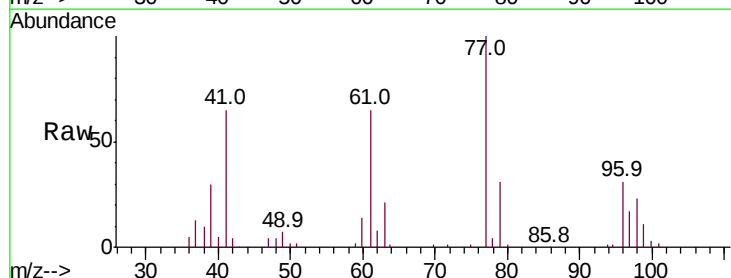
Acq: 12 Jun 2019 12:27

Tgt Ion: 77 Resp: 313030

Ion Ratio Lower Upper

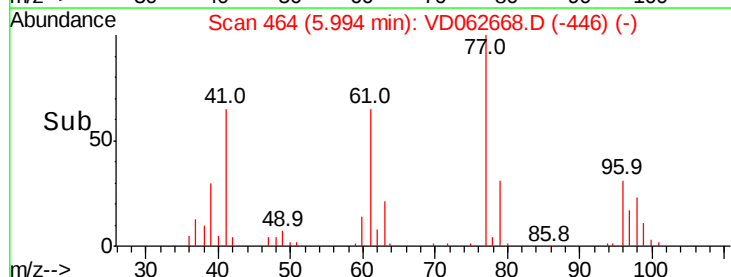
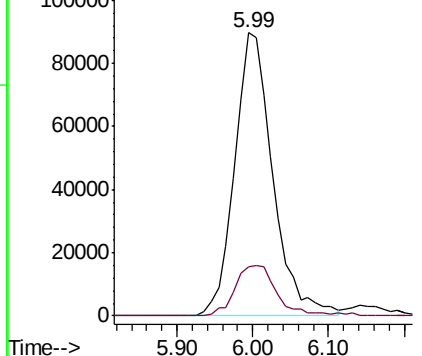
77 100

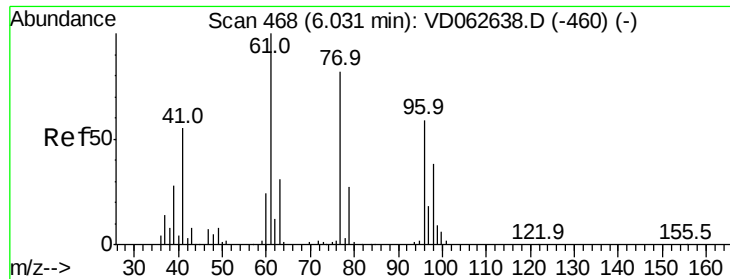
97 17.3 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



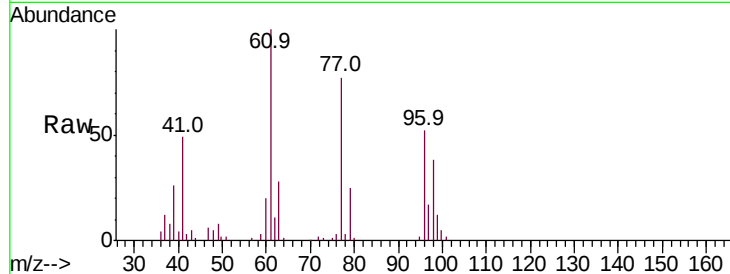


#27

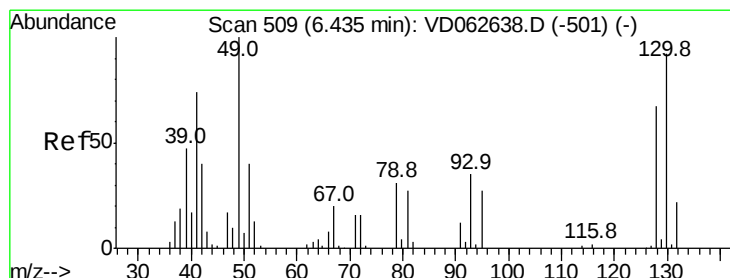
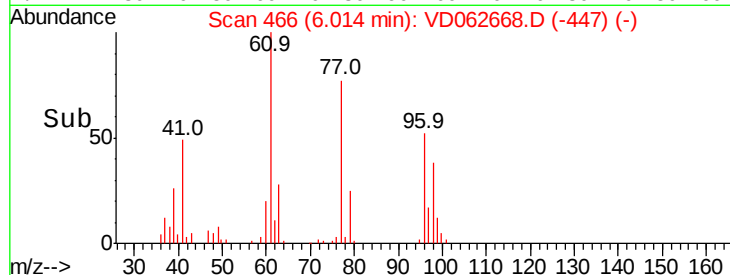
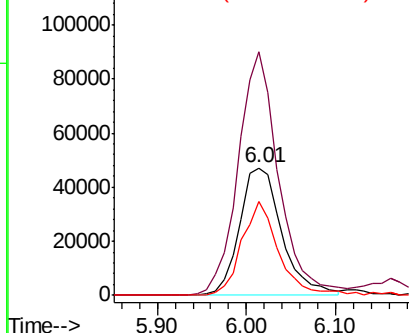
cis-1,2-Dichloroethene
Concen: 18.810 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

Tot Ion: 96 Resp: 155749
Ion Ratio Lower Upper
96 100
61 190.7 0.0 340.0
98 73.4 0.0 127.6



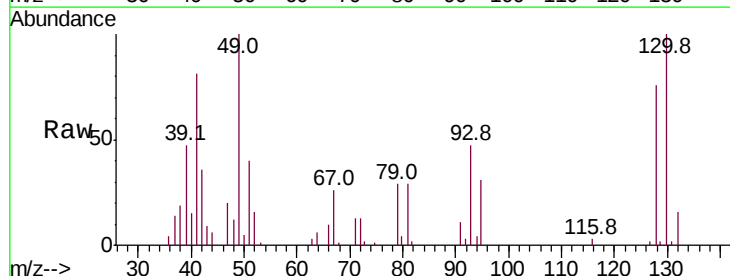
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



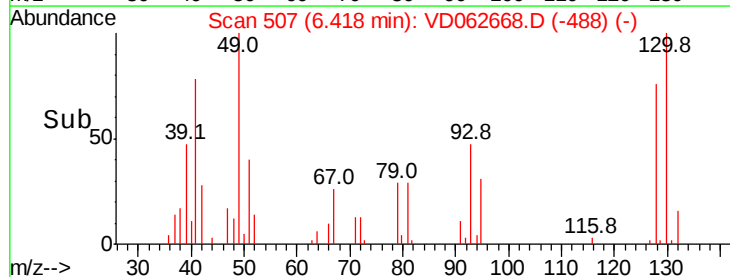
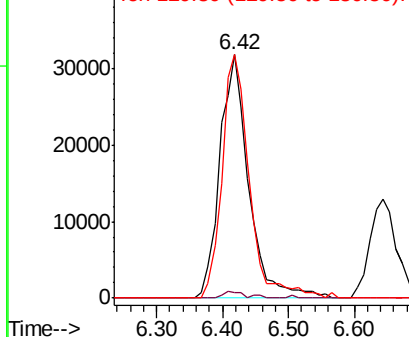
#28

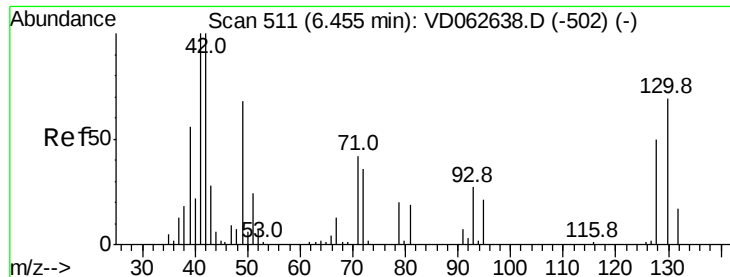
Bromochloromethane
Concen: 17.756 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion: 49 Resp: 97068
Ion Ratio Lower Upper
49 100
129 2.1 0.0 8.2
130 99.9 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: 91.137 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

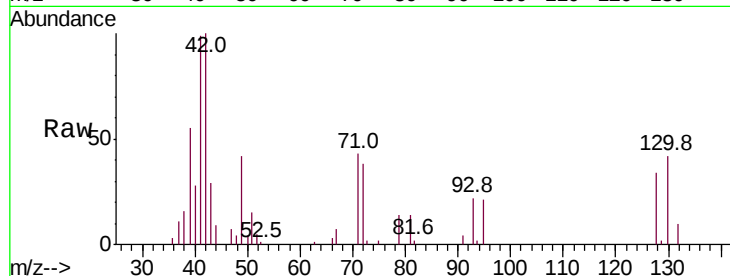
Tot Ion: 42 Resp: 83348

Ion Ratio Lower Upper

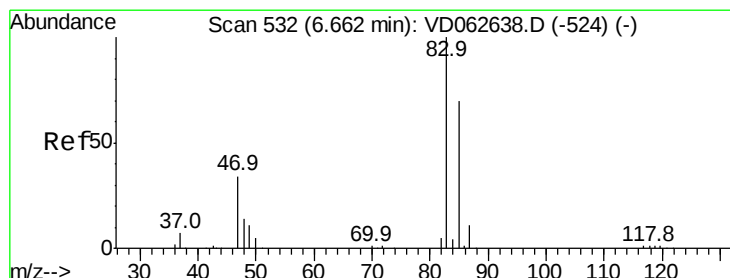
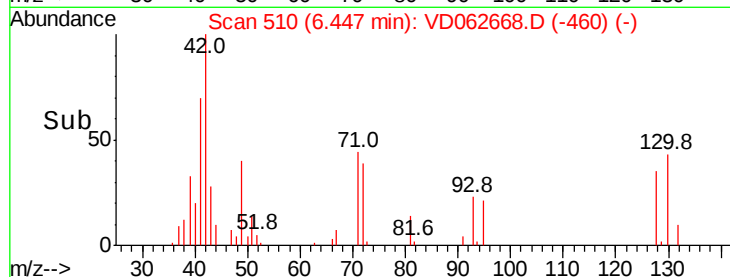
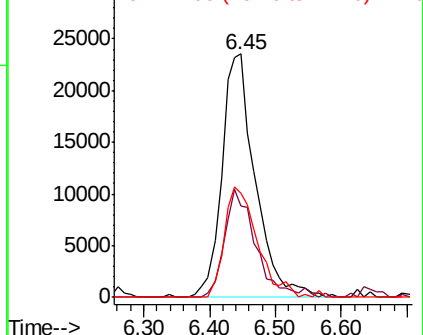
42 100

72 41.7 33.8 50.6

71 44.9 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: 19.128 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.02 min

Lab File: VD062668.D

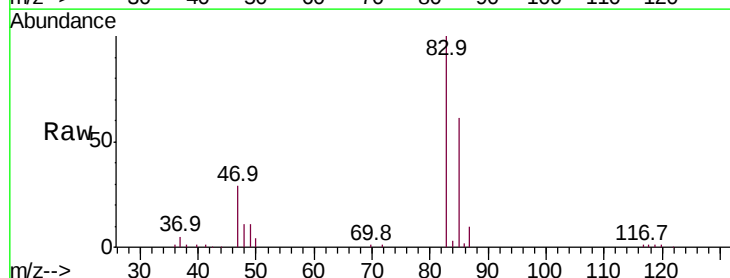
Acq: 12 Jun 2019 12:27

Tgt Ion: 83 Resp: 350982

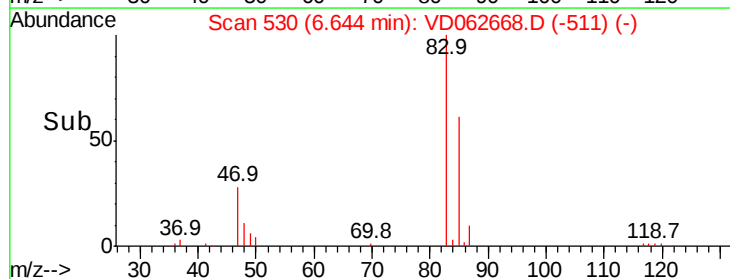
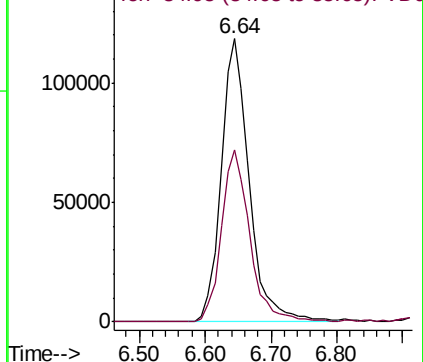
Ion Ratio Lower Upper

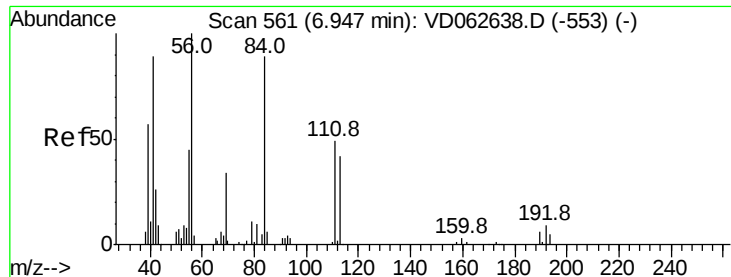
83 100

85 60.8 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: 18.832 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

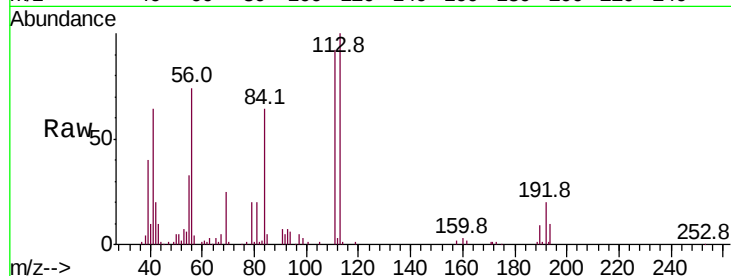
Tot Ion: 56 Resp: 168940

Ion Ratio Lower Upper

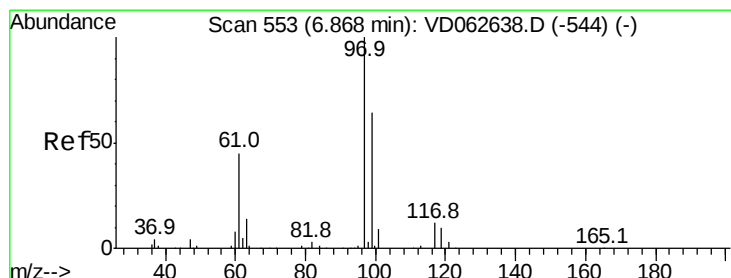
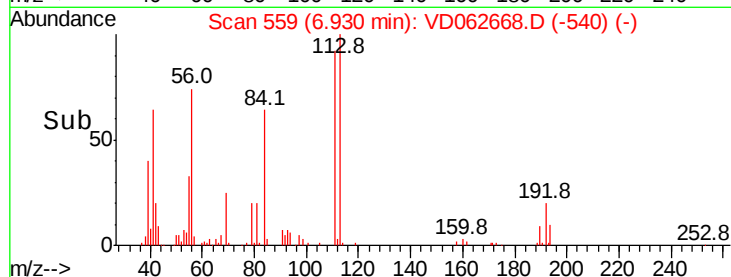
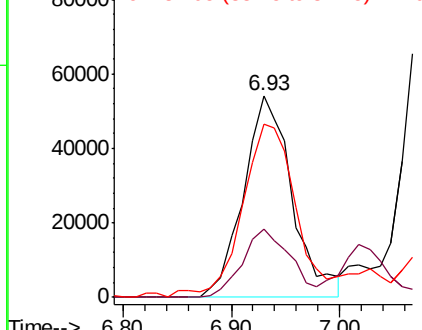
56 100

69 34.1 26.8 40.2

84 86.0 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: 19.363 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

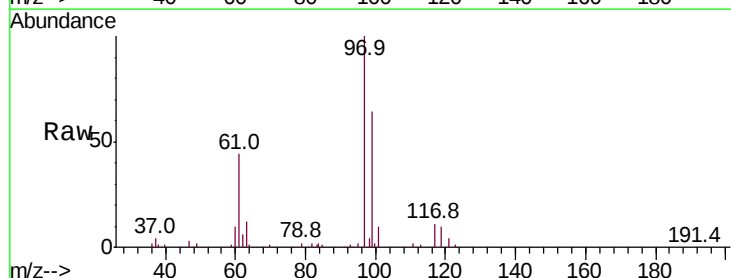
Tgt Ion: 97 Resp: 353531

Ion Ratio Lower Upper

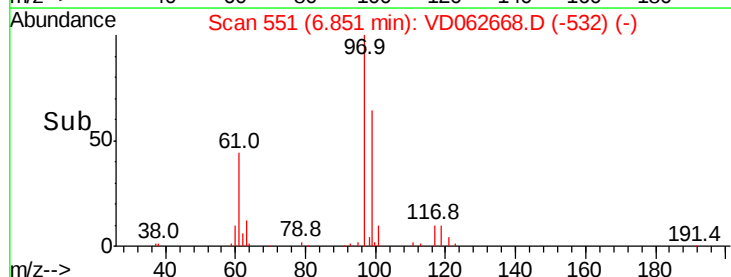
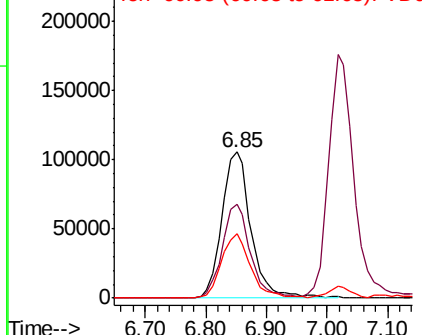
97 100

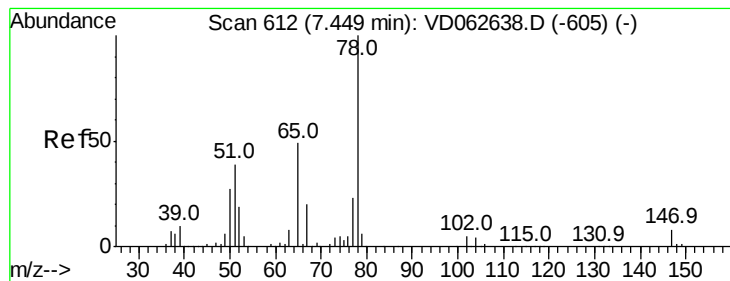
99 64.0 51.4 77.0

61 44.1 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: 40.140 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

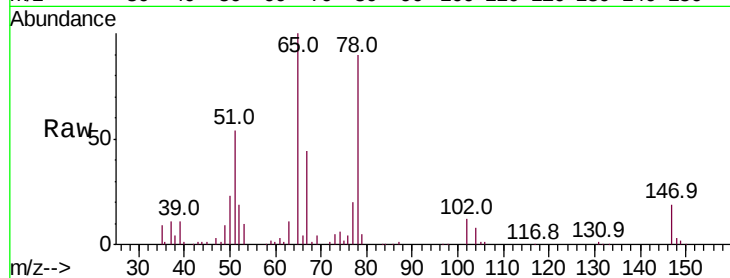
VD0612SBS01

Tot Ion: 65 Resp: 456298

Ion Ratio Lower Upper

65 100

67 44.3 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

150000

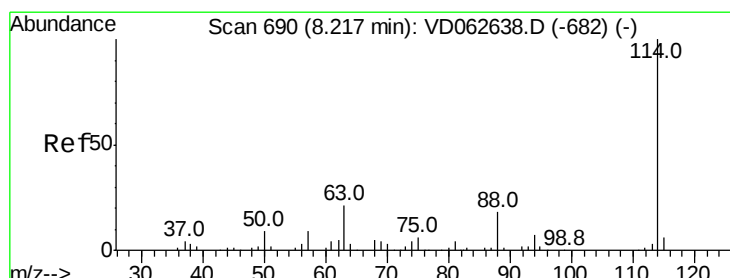
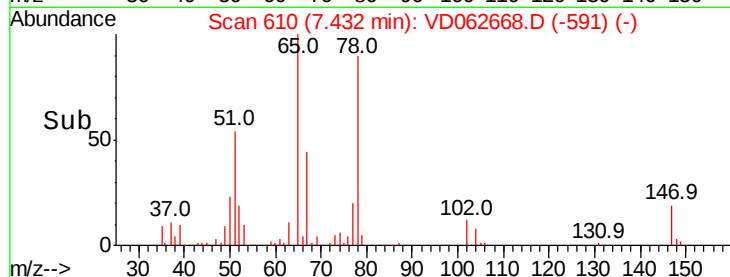
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

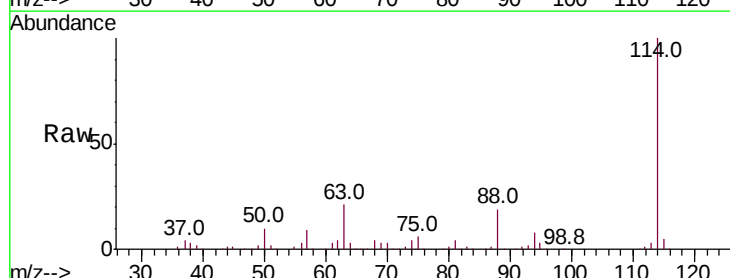
Tgt Ion:114 Resp: 1049515

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

88 19.1 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

8.20

500000

400000

300000

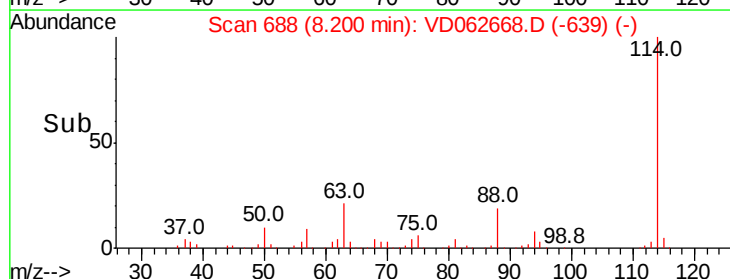
200000

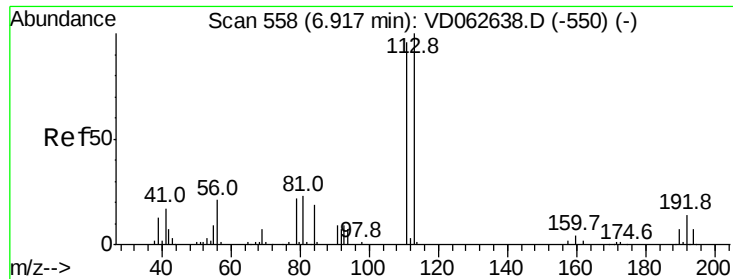
100000

0

Time-->

8.00 8.10 8.20 8.30 8.40

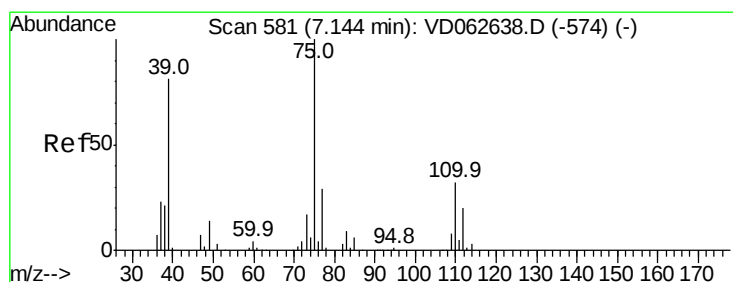
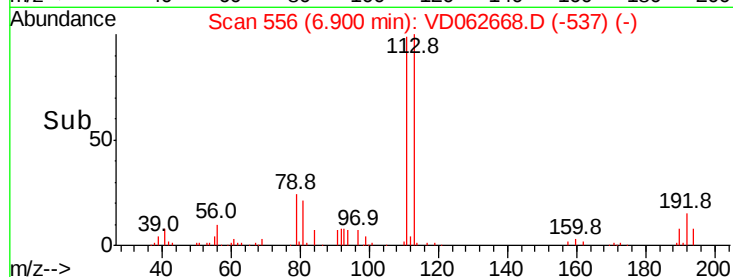
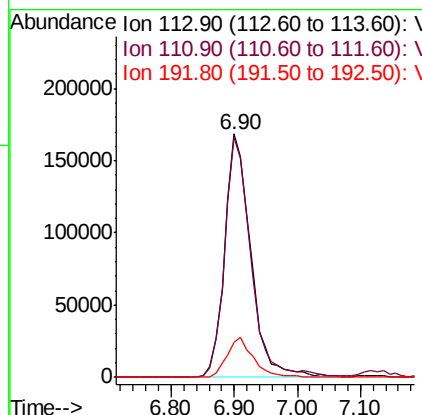
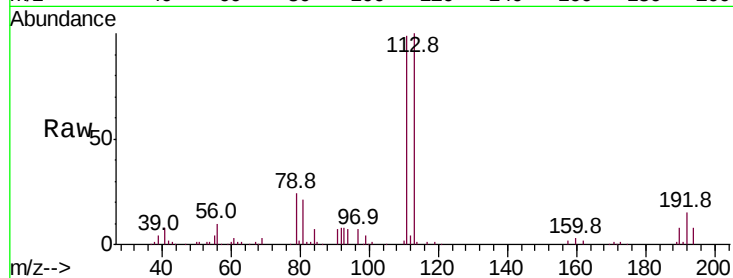




#35
 Dibromofluoromethane
 Concen: 43.817 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.02 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

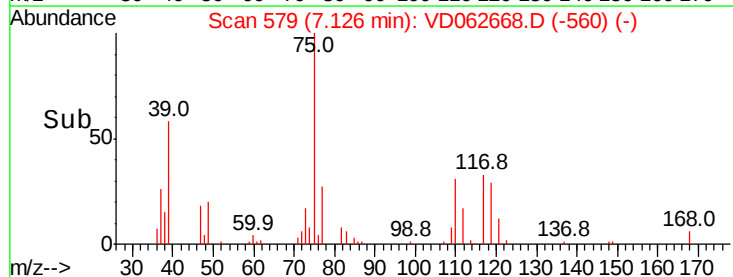
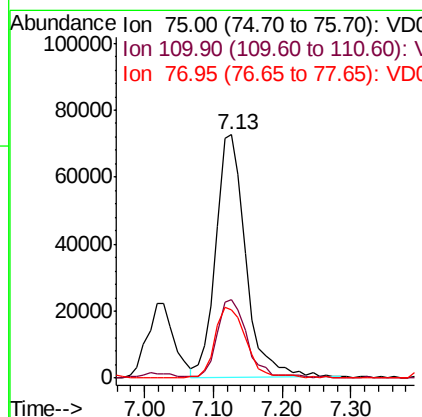
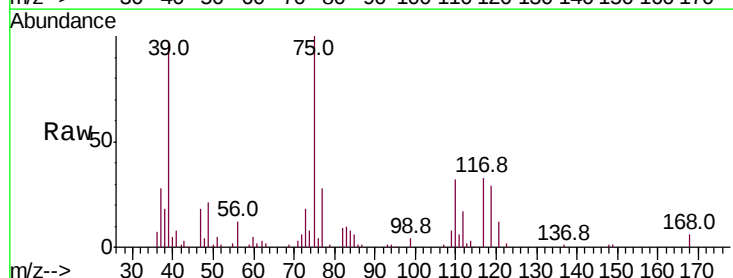
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

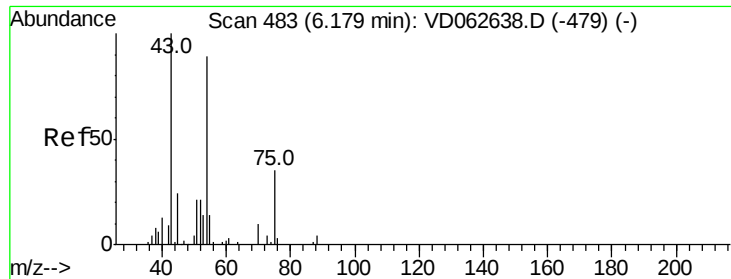
Tot Ion:113 Resp: 484988
 Ion Ratio Lower Upper
 113 100
 111 98.6 76.4 114.6
 192 14.6 11.4 17.0



#36
 1,1-Dichloropropene
 Concen: 18.209 ug/l
 RT: 7.13 min Scan# 579
 Delta R.T. -0.02 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Tgt Ion: 75 Resp: 218719
 Ion Ratio Lower Upper
 75 100
 110 32.1 15.9 47.7
 77 28.0 23.3 34.9

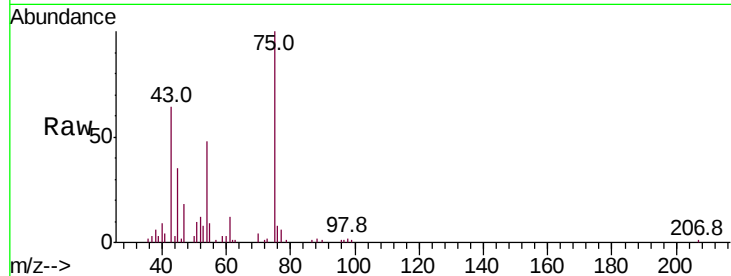




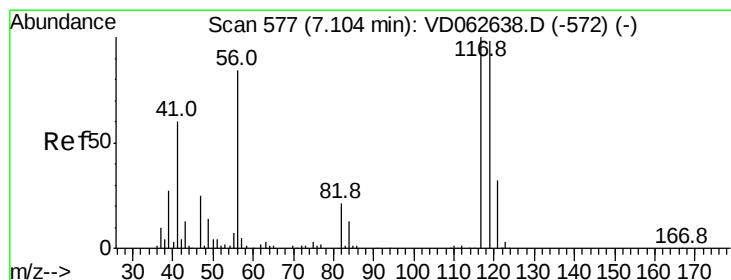
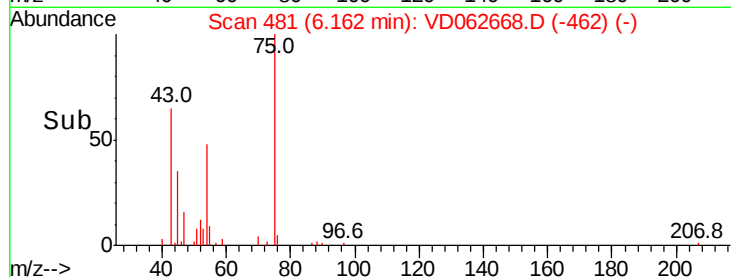
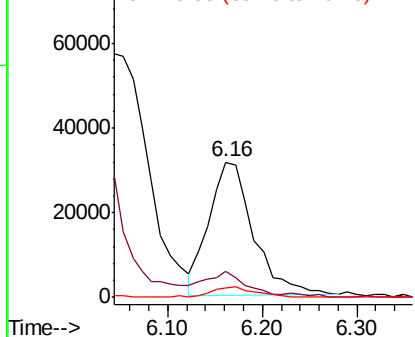
#37
Ethyl Acetate
Concen: 20.869 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

Tot Ion: 43 Resp: 103211
Ion Ratio Lower Upper
43 100
61 19.1 8.7 13.1#
70 6.7 6.5 9.7

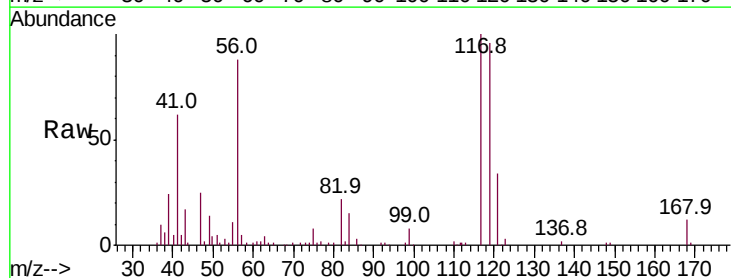


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

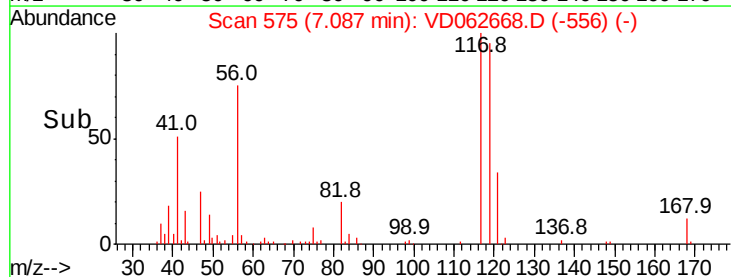
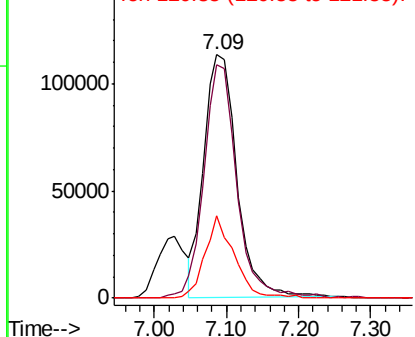


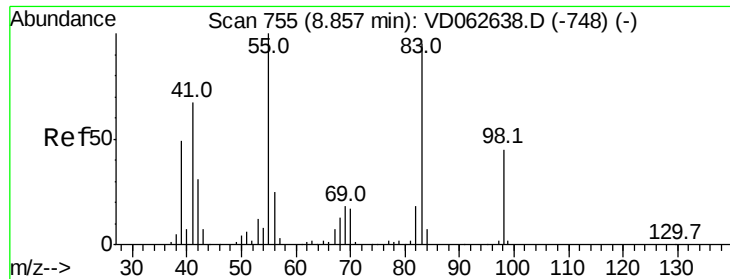
#38
Carbon Tetrachloride
Concen: 18.887 ug/l
RT: 7.09 min Scan# 575
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion: 117 Resp: 358580
Ion Ratio Lower Upper
117 100
119 95.7 73.5 110.3
121 33.8 24.2 36.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

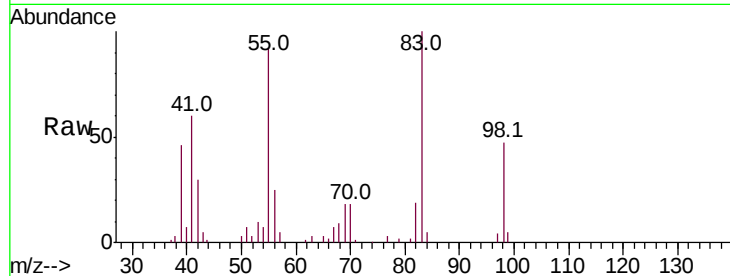




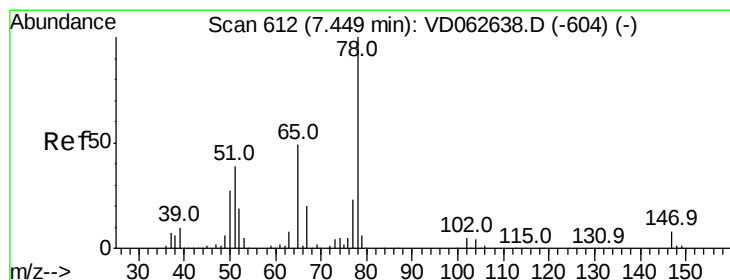
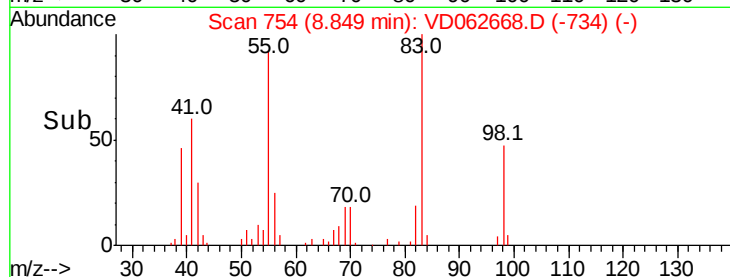
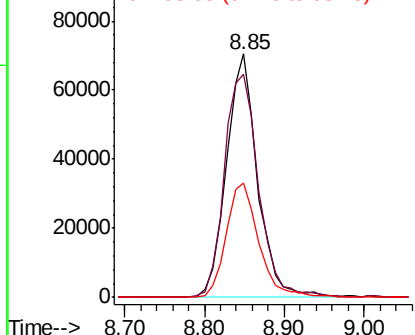
#39
Methvlcvclohexane
Concen: 19.742 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

Tot Ion: 83 Resp: 191630
Ion Ratio Lower Upper
83 100
55 91.7 84.6 127.0
98 46.8 38.2 57.4

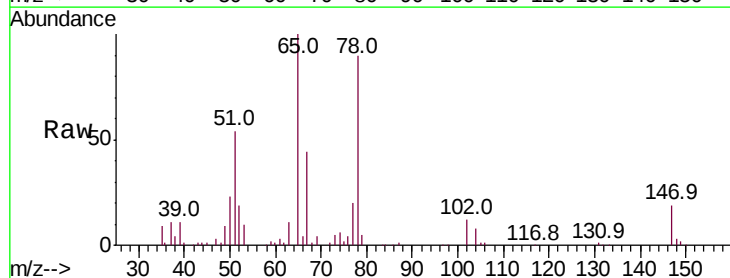


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

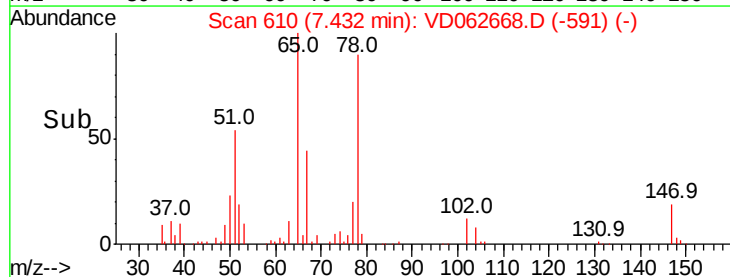
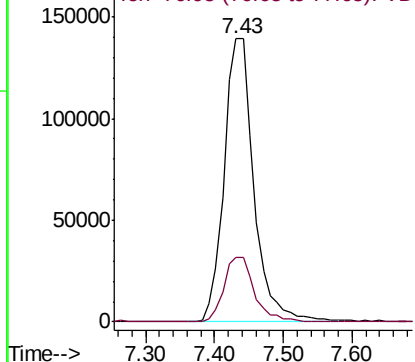


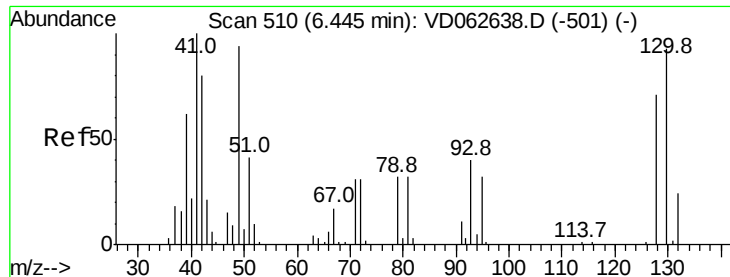
#40
Benzene
Concen: 17.778 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion: 78 Resp: 417017
Ion Ratio Lower Upper
78 100
77 22.8 18.6 28.0



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

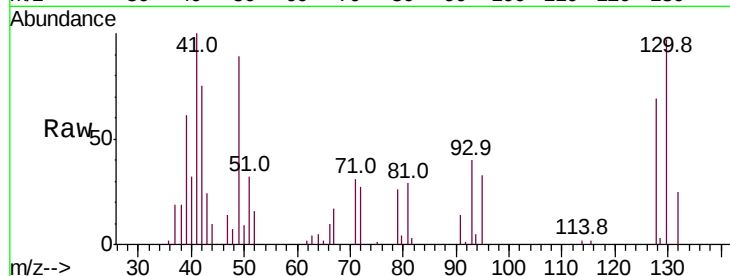




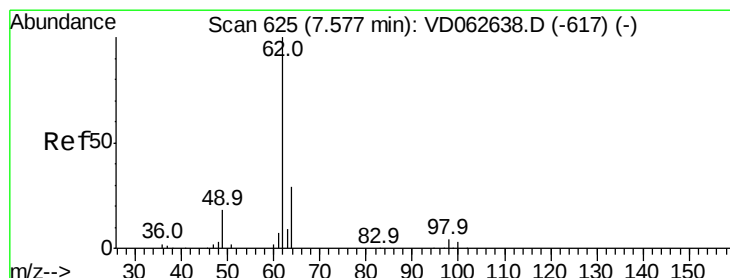
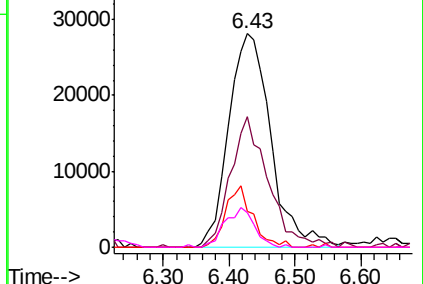
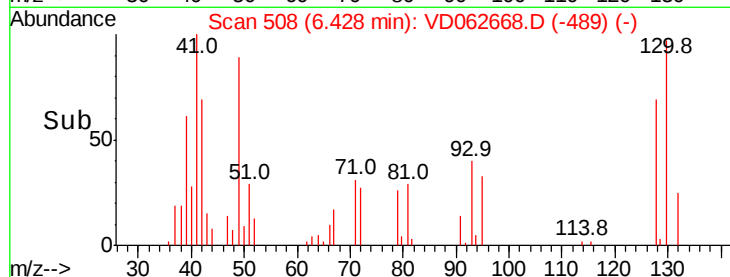
#41
Methacrylonitrile
Concen: 20.083 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

Tot Ion: 41 Resp: 126280
Ion Ratio Lower Upper
41 100
39 61.4 49.2 73.8
67 16.8 13.9 20.9
52 16.3 7.6 11.4#

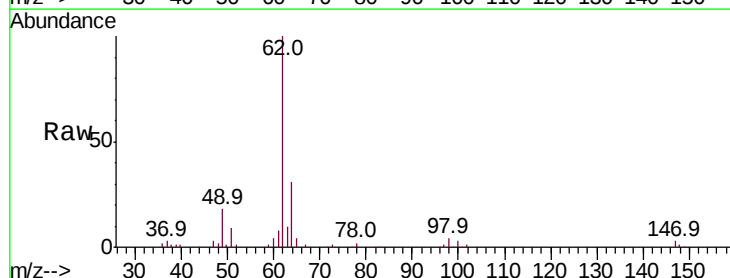


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

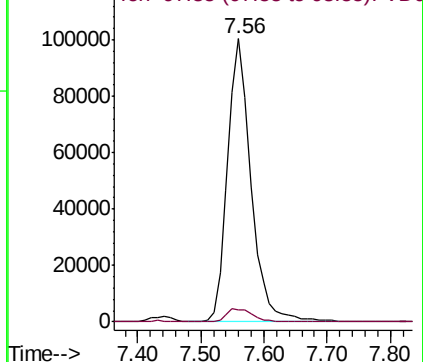
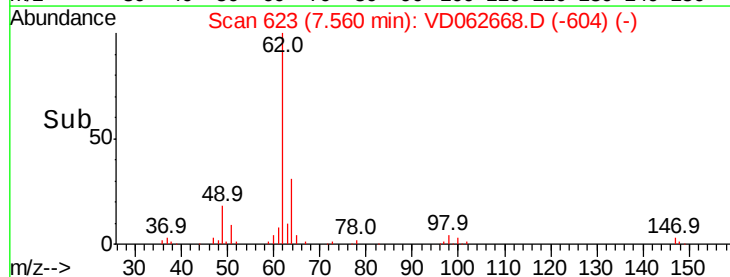


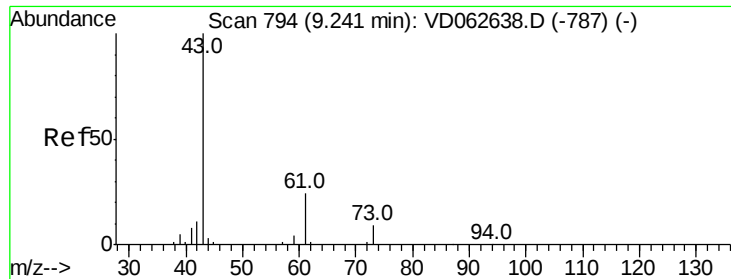
#42
1,2-Dichloroethane
Concen: 18.508 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion: 62 Resp: 258772
Ion Ratio Lower Upper
62 100
98 4.3 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: 19.814 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

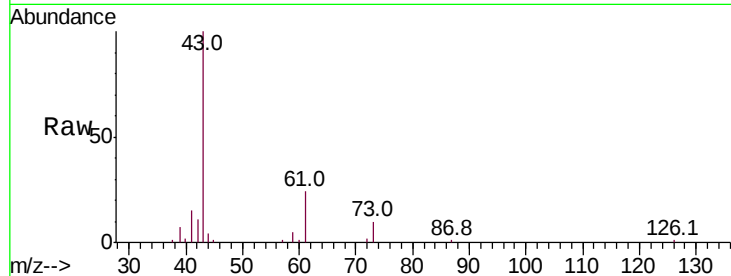
Tot Ion: 43 Resp: 125576

Ion Ratio Lower Upper

43 100

61 24.0 19.0 28.6

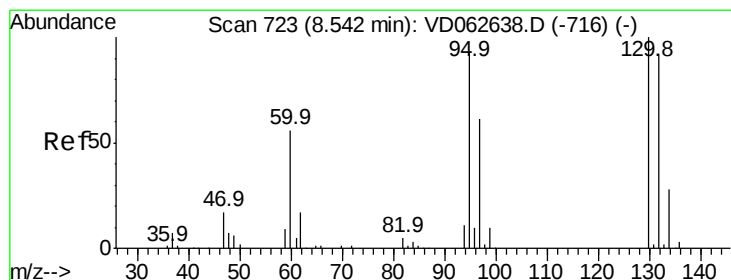
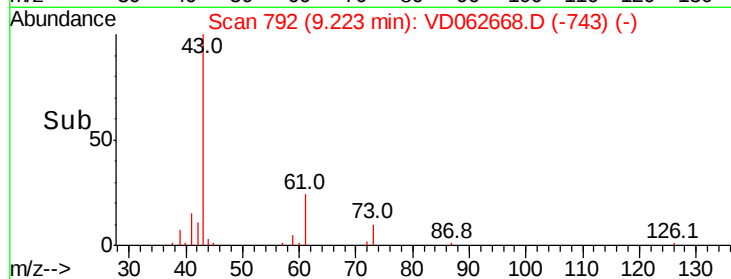
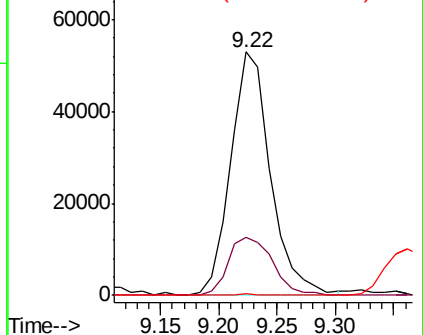
87 0.8 0.3 0.5#



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: 18.578 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.02 min

Lab File: VD062668.D

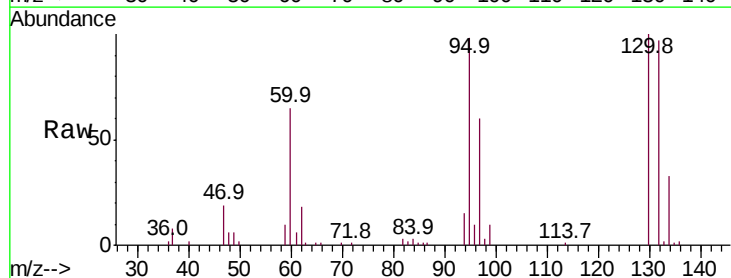
Acq: 12 Jun 2019 12:27

Tgt Ion:130 Resp: 176921

Ion Ratio Lower Upper

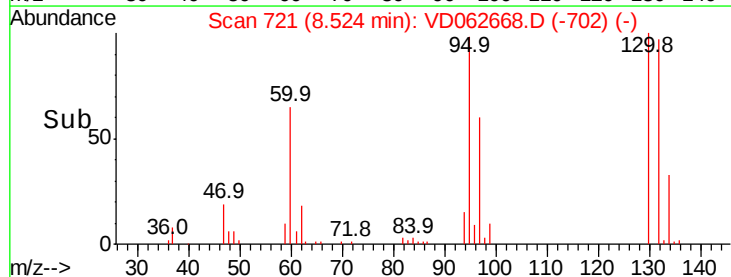
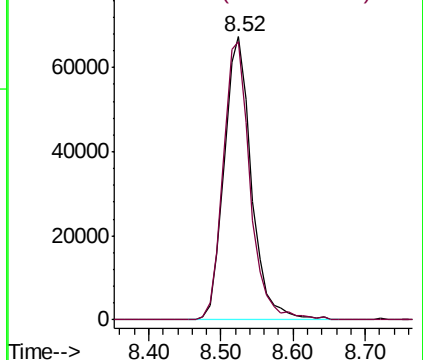
130 100

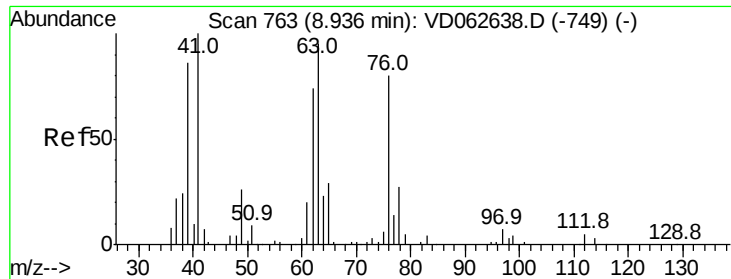
95 98.4 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.376 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

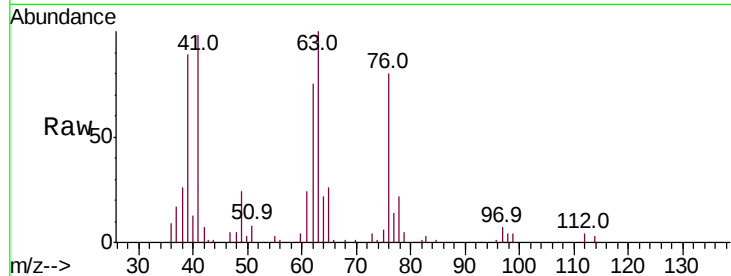
VD0612SBS01

Tot Ion: 63 Resp: 109173

Ion Ratio Lower Upper

63 100

65 25.9 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

50000

40000

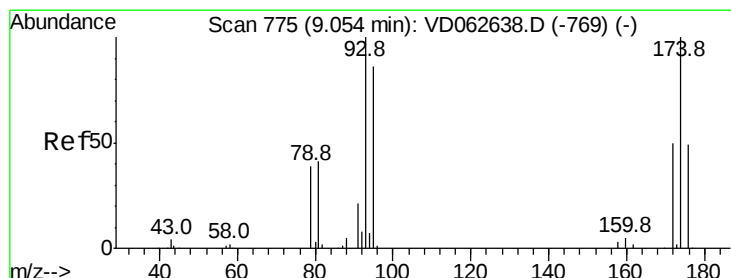
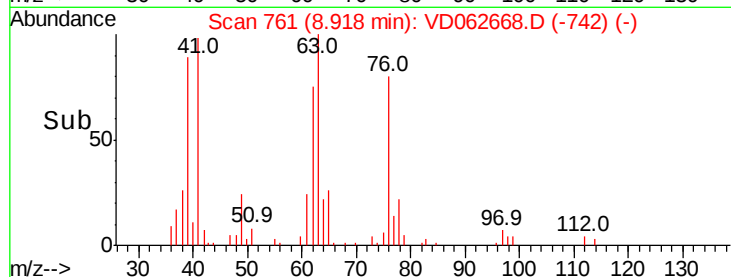
30000

20000

10000

0

Time--> 8.80 8.90 9.00



#46

Dibromomethane

Concen: 19.126 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

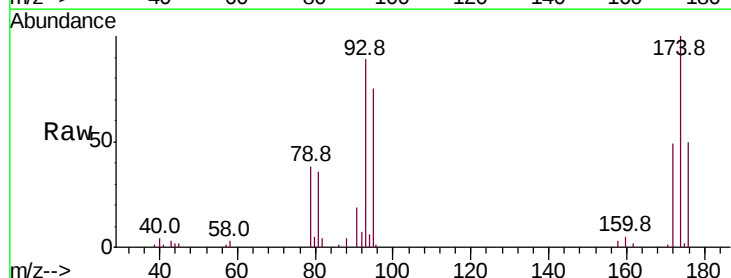
Tgt Ion: 93 Resp: 95657

Ion Ratio Lower Upper

93 100

95 84.6 68.7 103.1

174 112.1 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

50000

40000

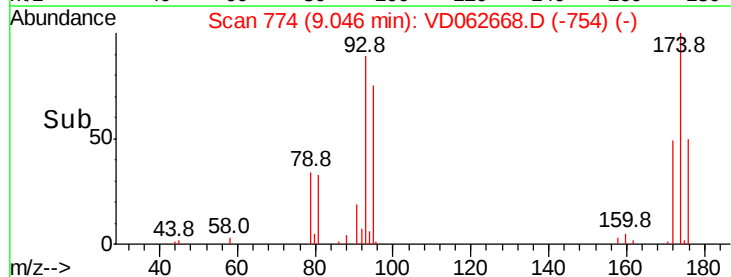
30000

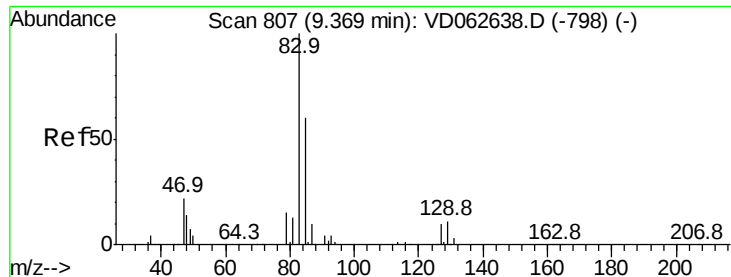
20000

10000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 19.636 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

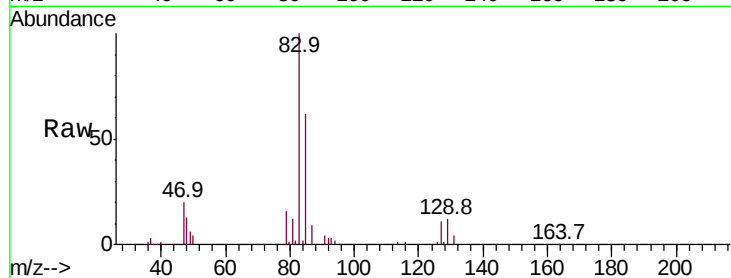
Tot Ion: 83 Resp: 267157

Ion Ratio Lower Upper

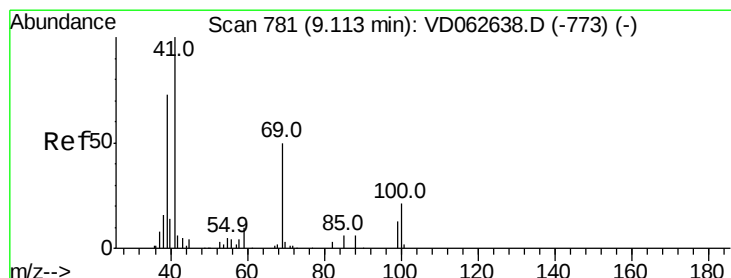
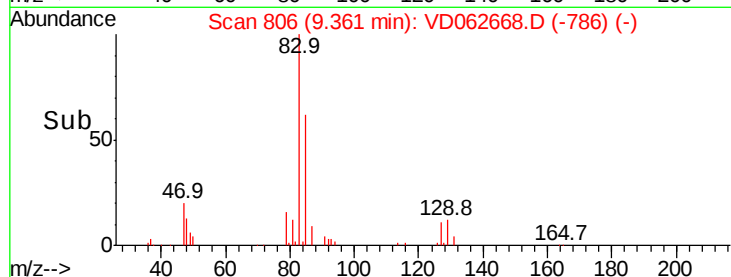
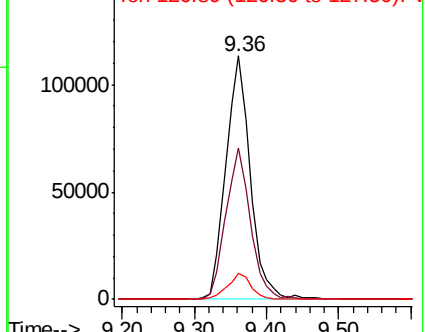
83 100

85 62.2 47.9 71.9

127 10.8 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: 19.103 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

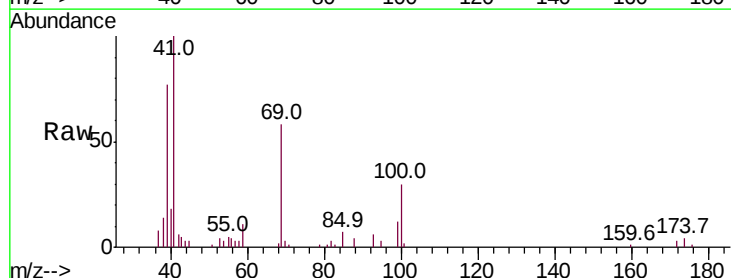
Tgt Ion: 41 Resp: 87470

Ion Ratio Lower Upper

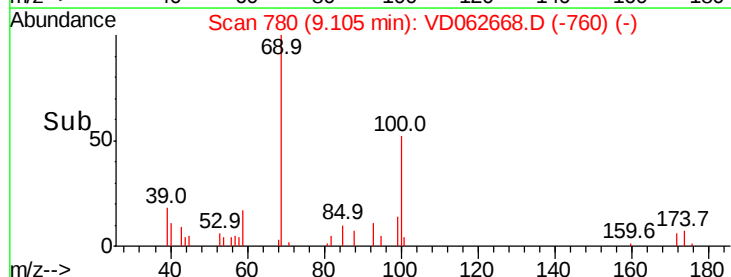
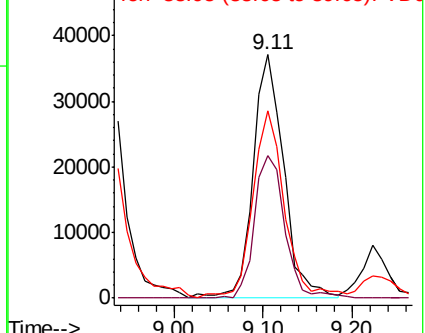
41 100

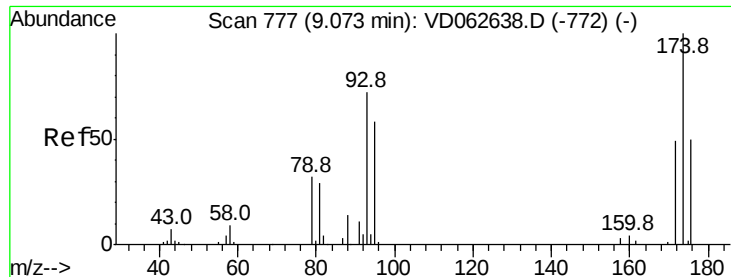
69 58.4 39.8 59.6

39 77.1 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

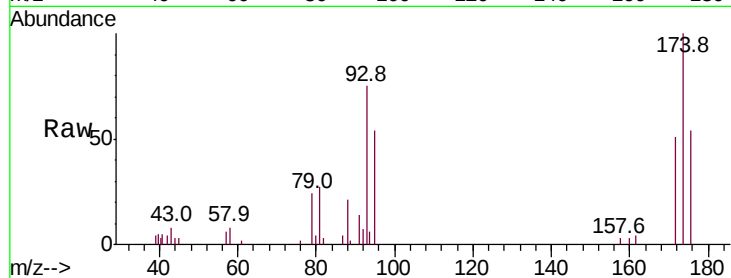




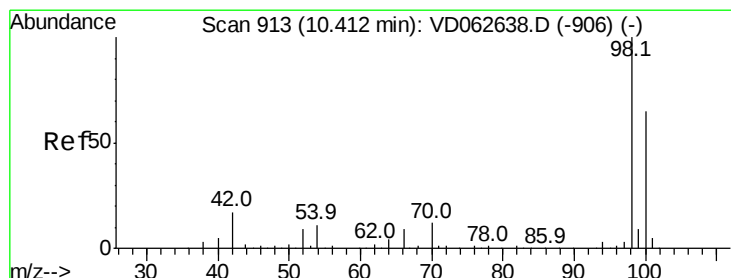
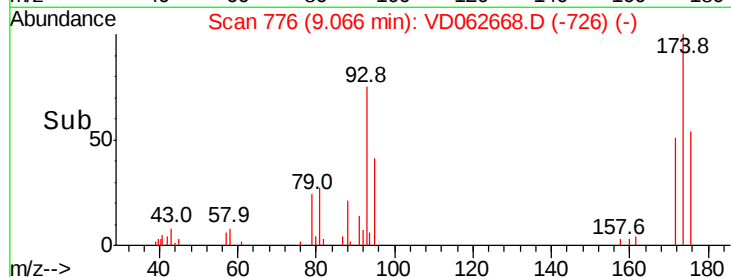
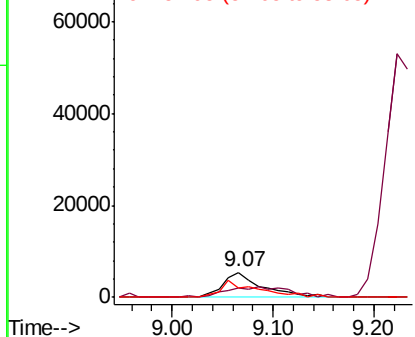
#49
1,4-Dioxane
Concen: 385.825 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

Tot Ion: 88 Resp: 14550
Ion Ratio Lower Upper
88 100
43 36.0 40.7 61.1#
58 36.1 54.2 81.4#

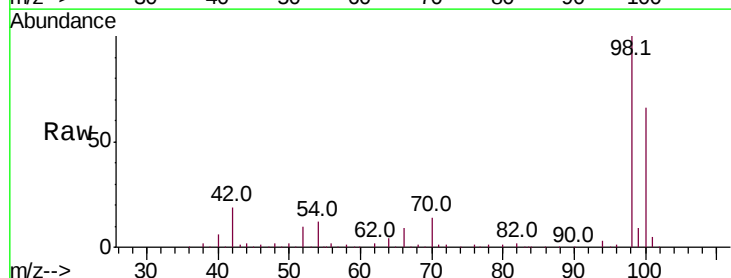


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

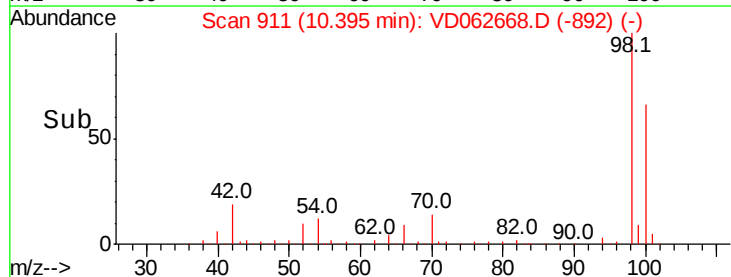
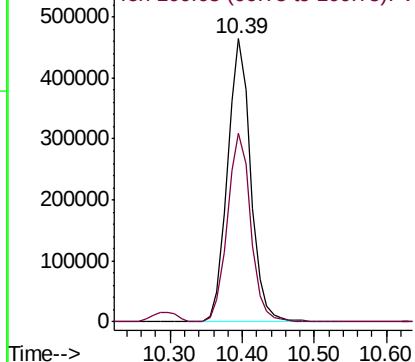


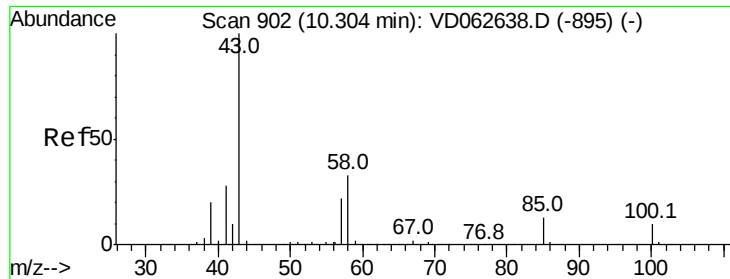
#50
Toluene-d8
Concen: 44.584 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion: 98 Resp: 1038103
Ion Ratio Lower Upper
98 100
100 66.4 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

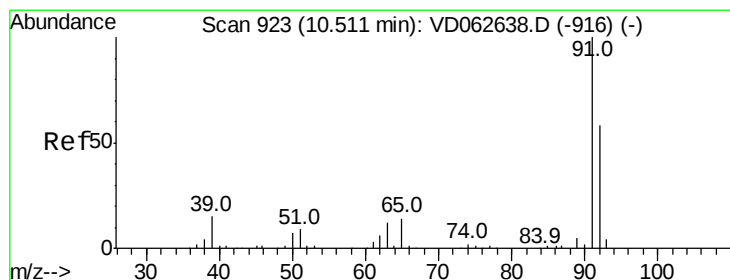
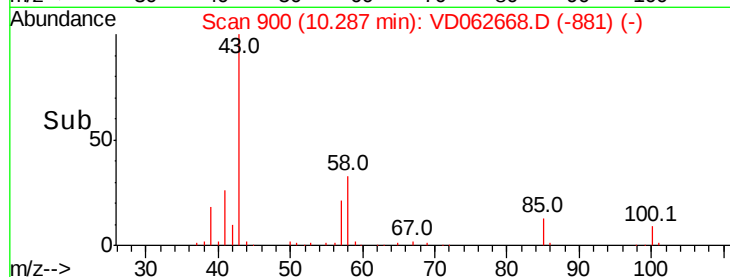
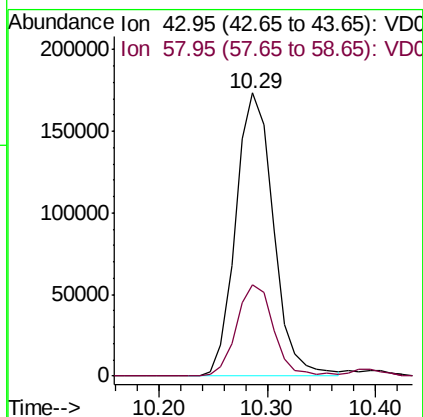
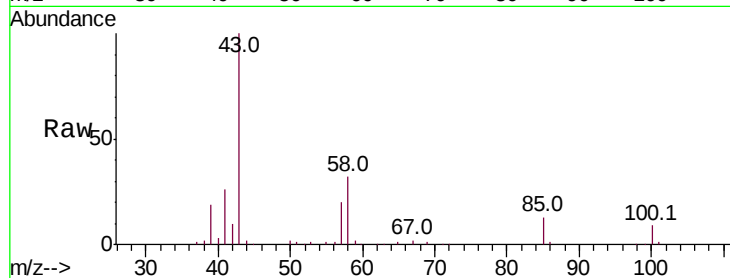




#51
4-Methyl-2-Pentanone
Concen: 95.161 ug/l
RT: 10.29 min Scan# 900
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

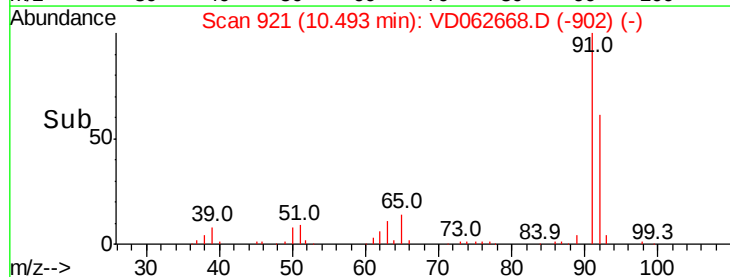
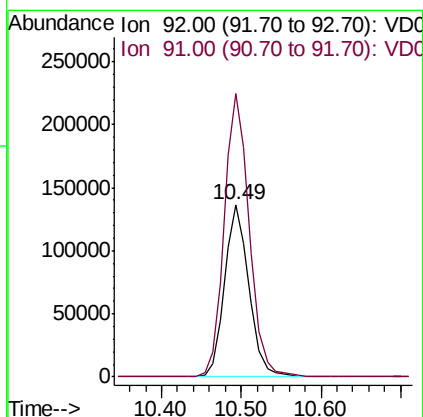
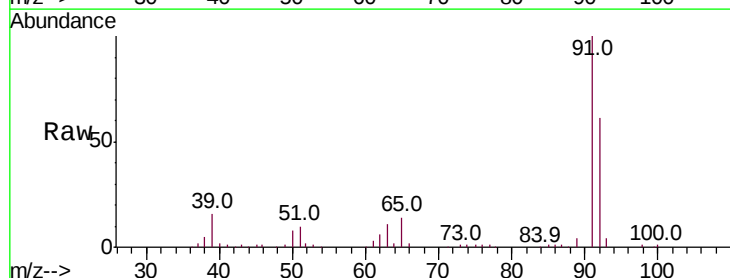
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

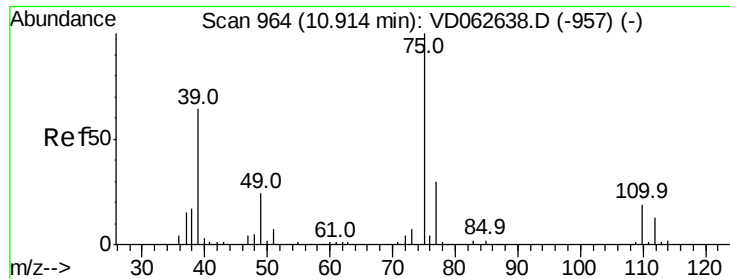
Tot Ion: 43 Resp: 422014
Ion Ratio Lower Upper
43 100
58 32.5 26.1 39.1



#52
Toluene
Concen: 18.681 ug/l
RT: 10.49 min Scan# 921
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion: 92 Resp: 294561
Ion Ratio Lower Upper
92 100
91 164.4 137.0 205.6

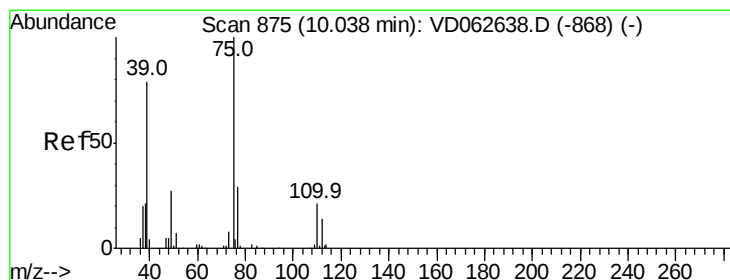
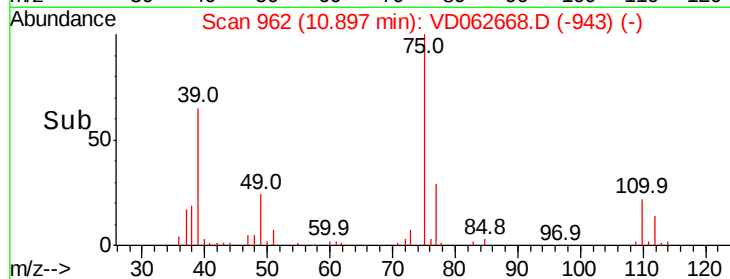
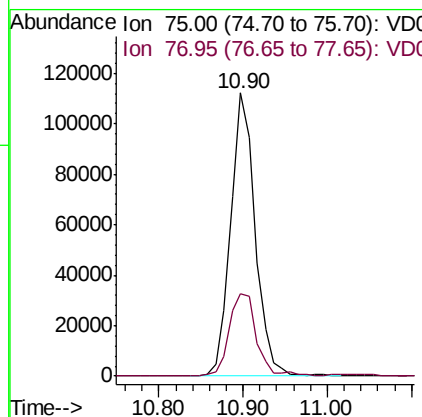
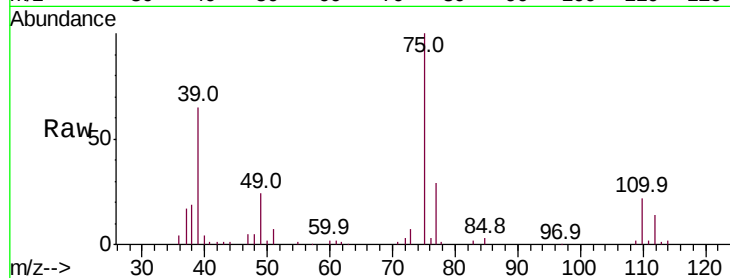




#53
 t-1,3-Dichloropropene
 Concen: 20.368 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

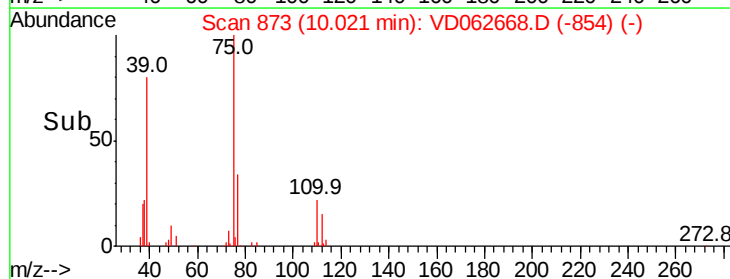
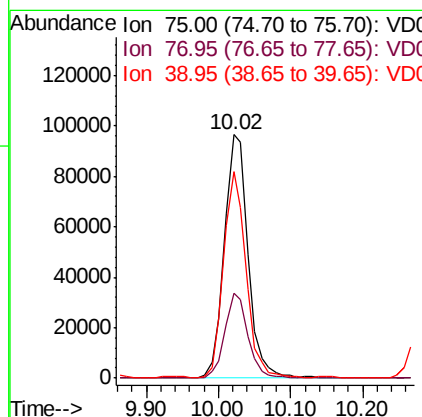
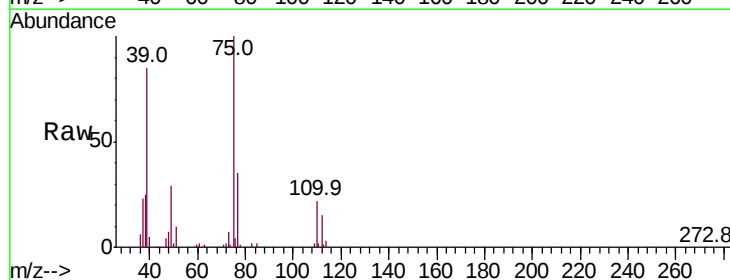
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

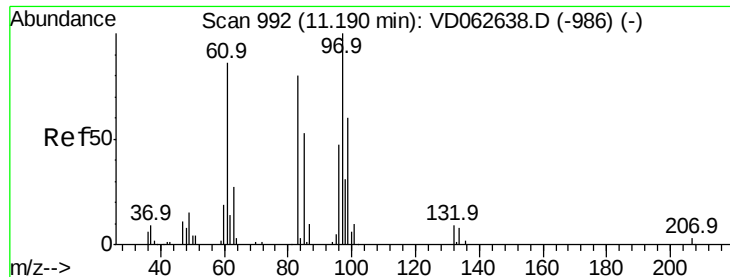
Tot Ion: 75 Resp: 227202
 Ion Ratio Lower Upper
 75 100
 77 29.2 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 19.062 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Tgt Ion: 75 Resp: 219762
 Ion Ratio Lower Upper
 75 100
 77 34.6 23.1 34.7
 39 84.8 63.4 95.2

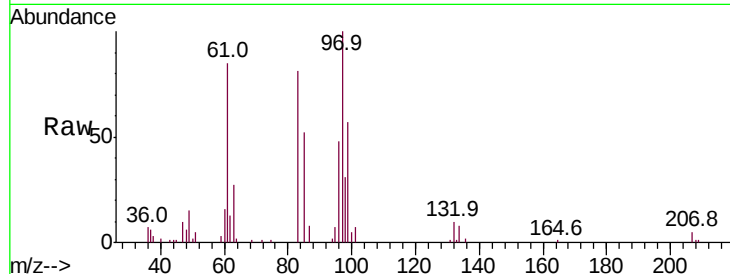




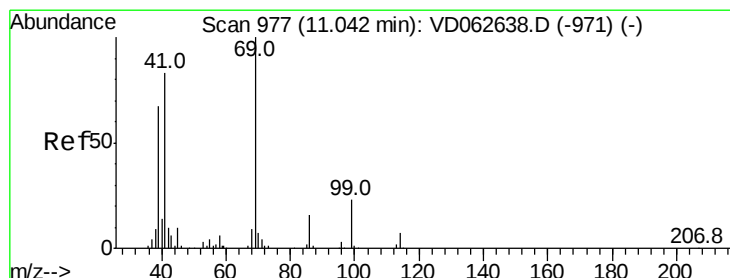
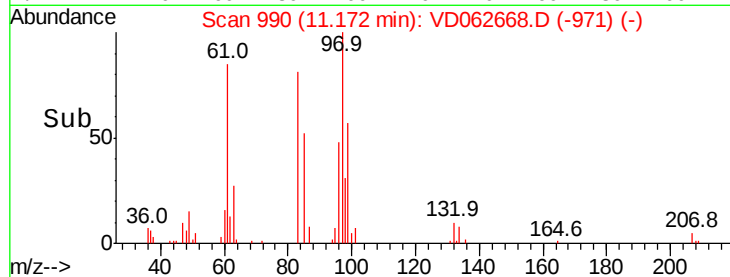
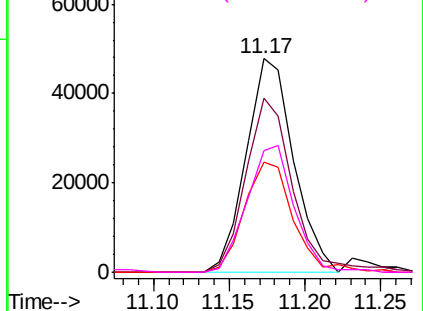
#55
 1,1,2-Trichloroethane
 Concen: 19.363 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.02 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Tot Ion: 97 Resp: 104703
 Ion Ratio Lower Upper
 97 100
 83 81.3 63.8 95.8
 85 51.6 42.3 63.5
 99 56.7 48.0 72.0

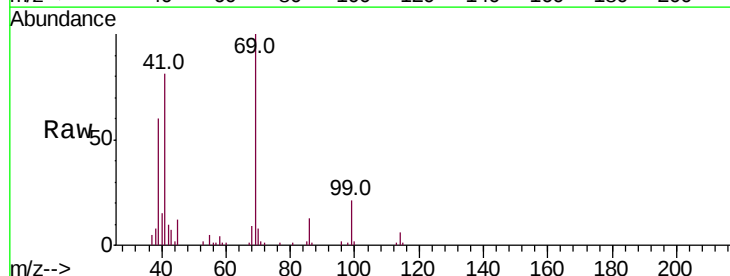


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

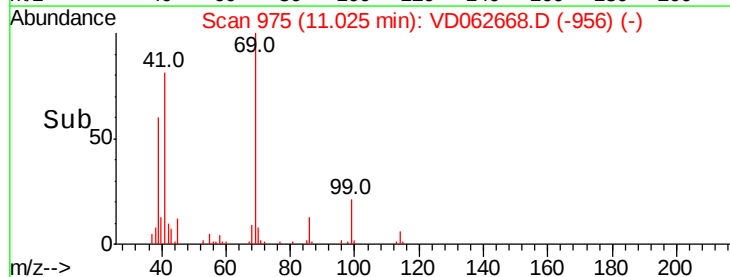
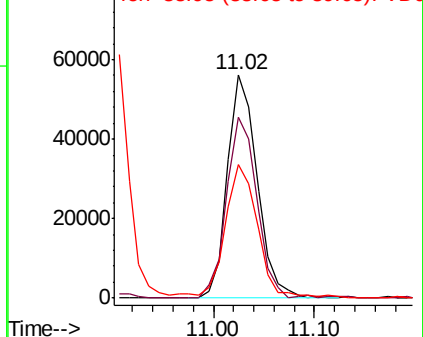


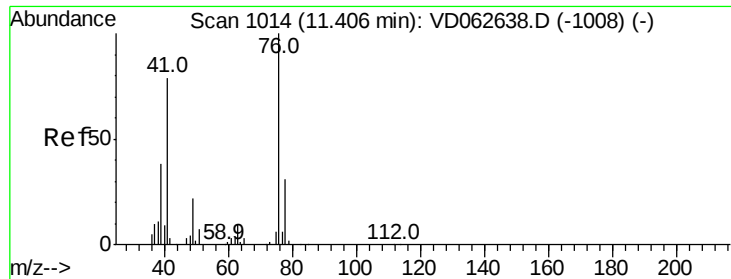
#56
 Ethyl methacrylate
 Concen: 20.193 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.02 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Tgt Ion: 69 Resp: 114954
 Ion Ratio Lower Upper
 69 100
 41 80.8 66.2 99.4
 39 59.9 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

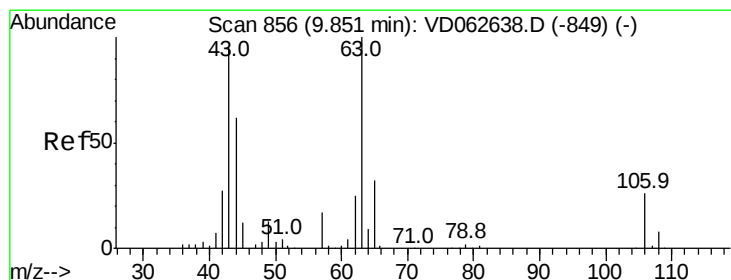
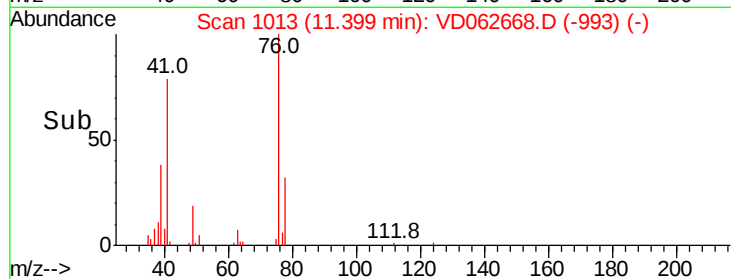
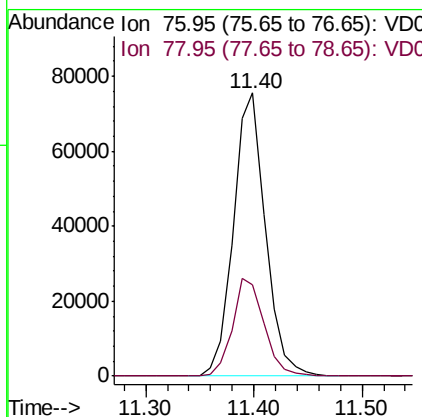
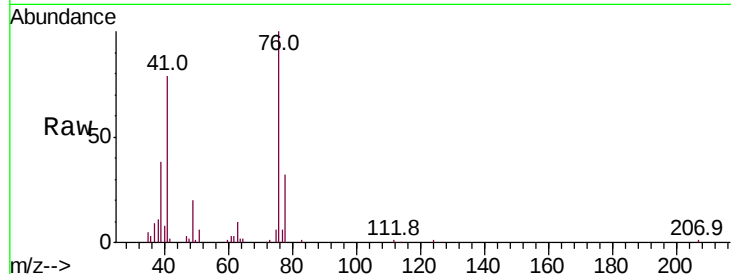




#57
 1,3-Dichloropropane
 Concen: 18.454 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

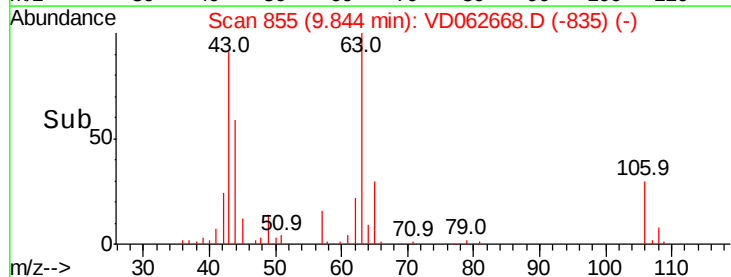
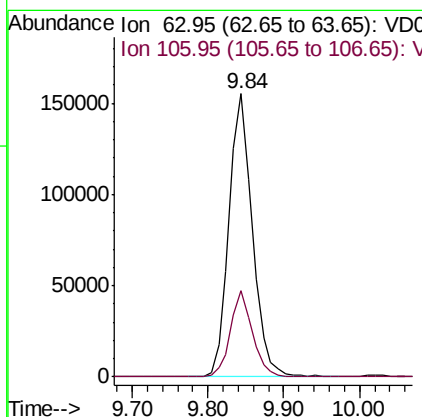
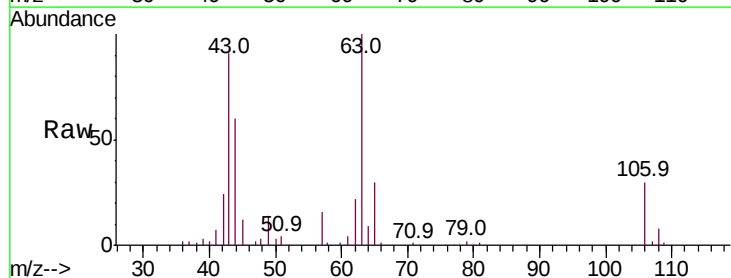
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

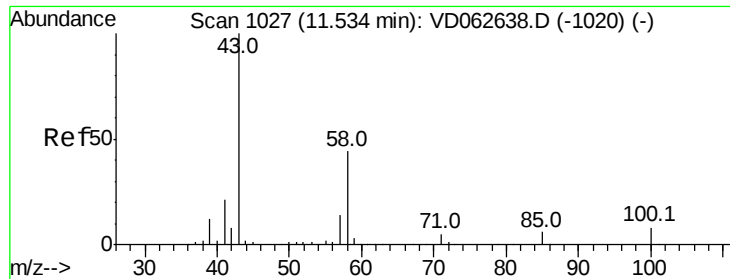
Tot Ion: 76 Resp: 154668
 Ion Ratio Lower Upper
 76 100
 78 32.2 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.833 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Tgt Ion: 63 Resp: 331885
 Ion Ratio Lower Upper
 63 100
 106 30.5 20.5 30.7

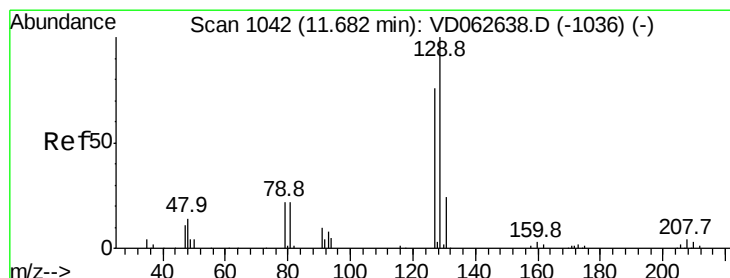
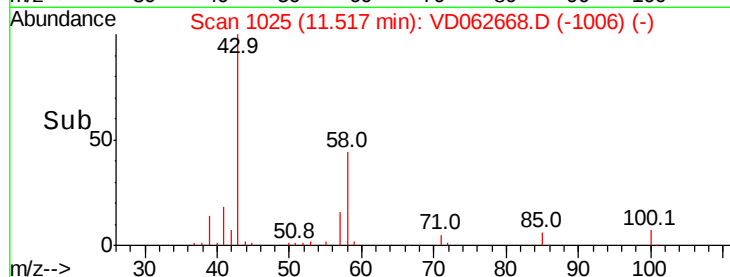
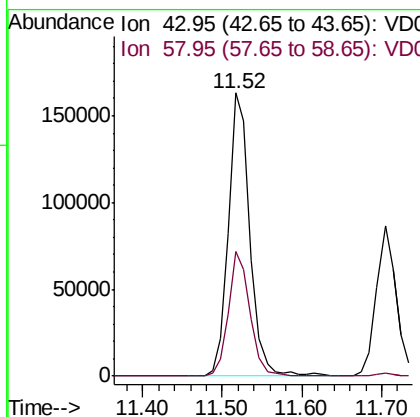
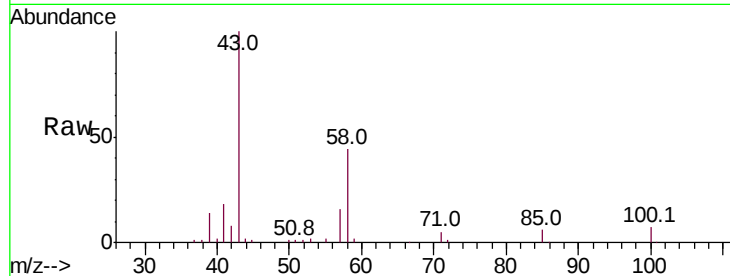




#59
2-Hexanone
Concen: 94.105 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

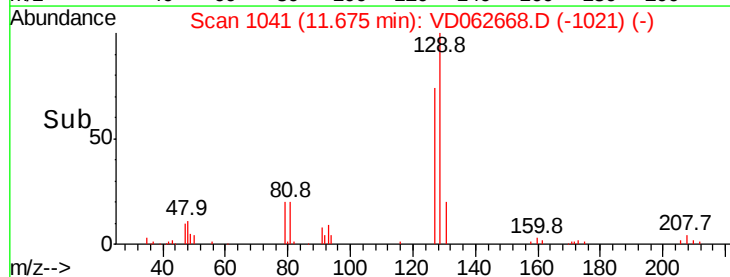
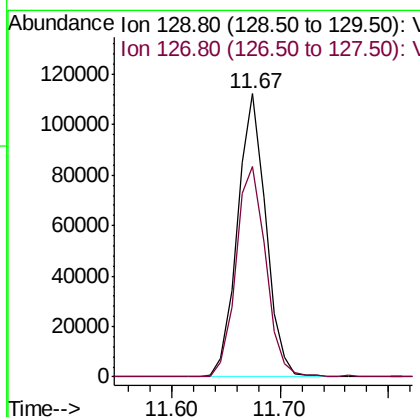
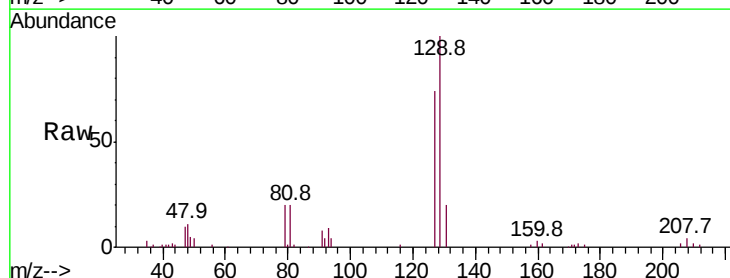
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

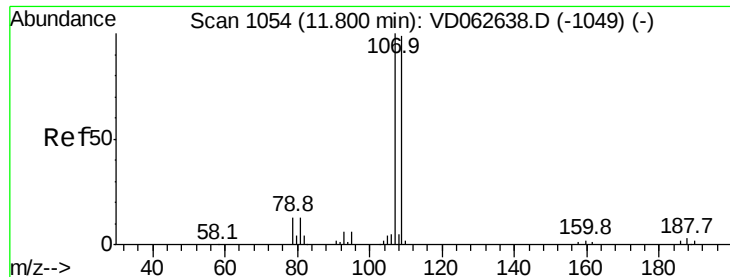
Tot Ion: 43 Resp: 310435
Ion Ratio Lower Upper
43 100
58 44.0 21.8 65.4



#60
Dibromochloromethane
Concen: 19.202 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion: 129 Resp: 204973
Ion Ratio Lower Upper
129 100
127 74.2 38.0 114.1

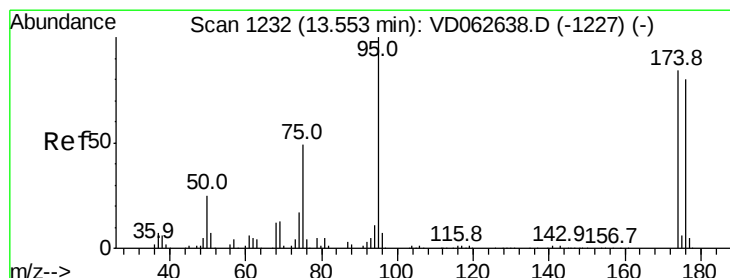
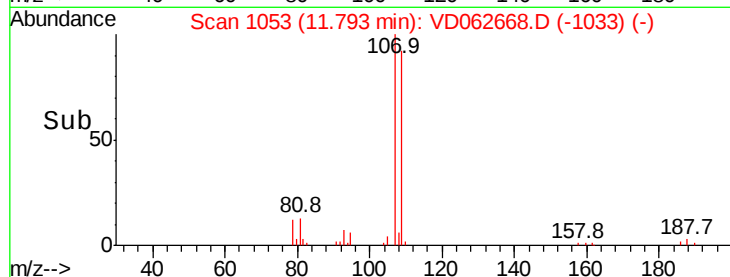
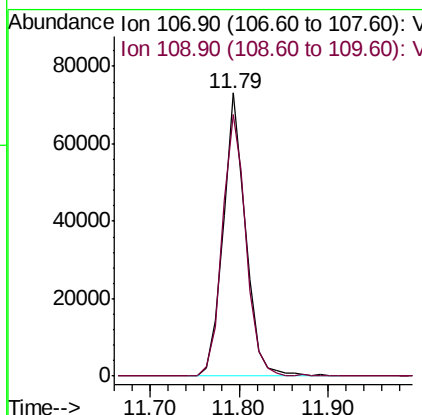
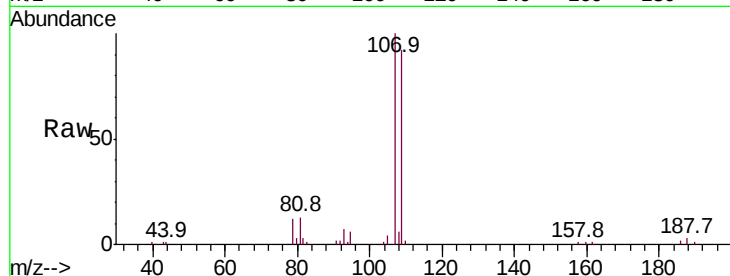




#61
 1,2-Dibromoethane
 Concen: 20.060 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

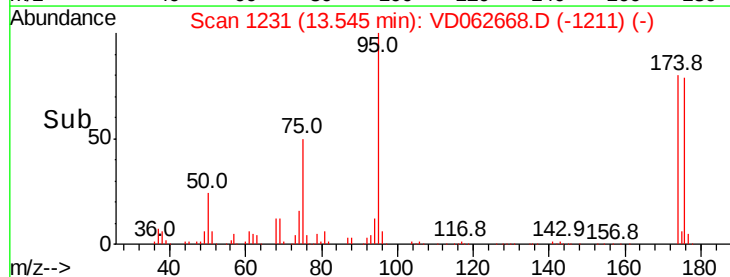
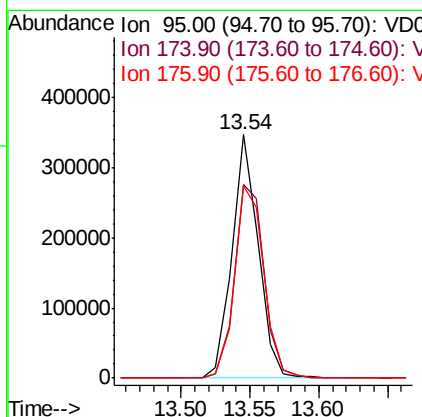
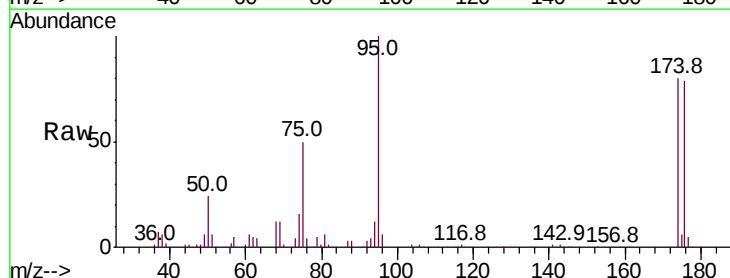
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

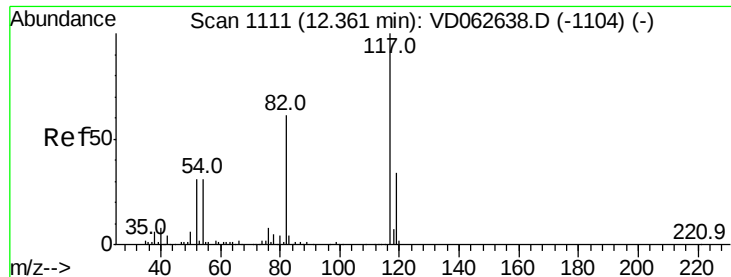
Tot Ion:107 Resp: 129822
 Ion Ratio Lower Upper
 107 100
 109 92.3 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 42.259 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Tgt Ion: 95 Resp: 459060
 Ion Ratio Lower Upper
 95 100
 174 79.7 0.0 167.0
 176 79.2 0.0 159.2

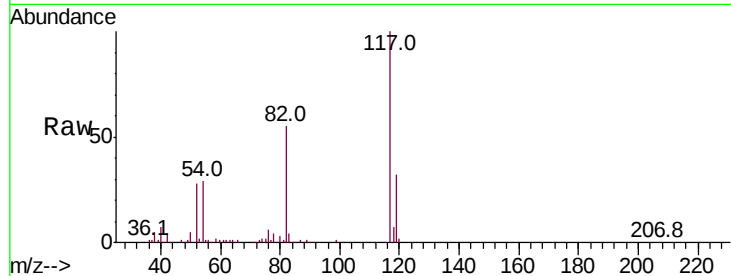




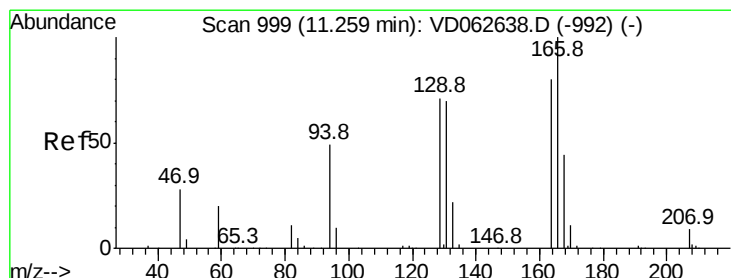
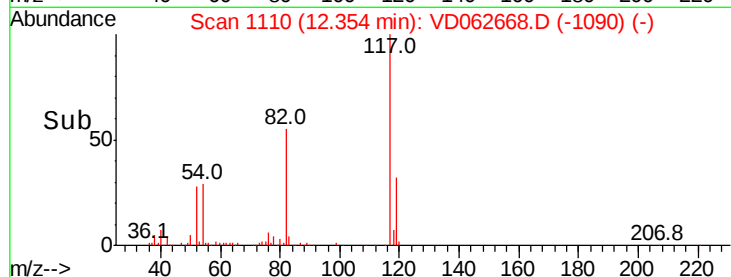
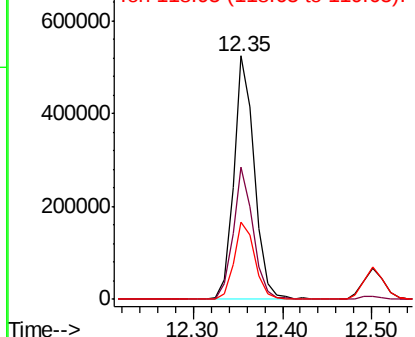
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

Tot Ion:117 Resp: 847627
Ion Ratio Lower Upper
117 100
82 54.6 48.7 73.1
119 31.9 27.0 40.6



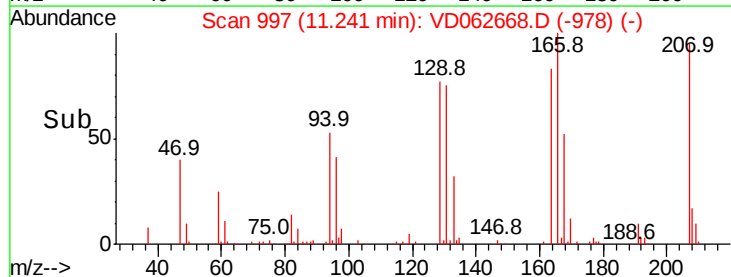
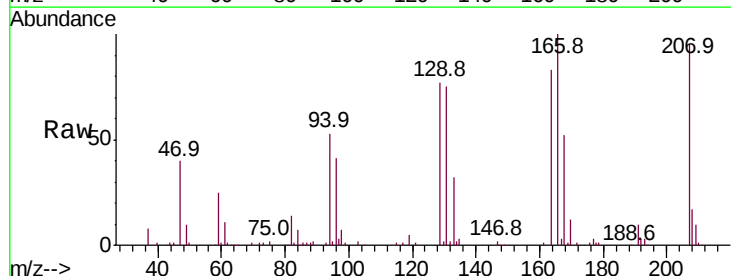
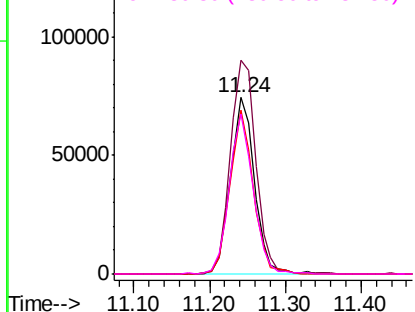
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

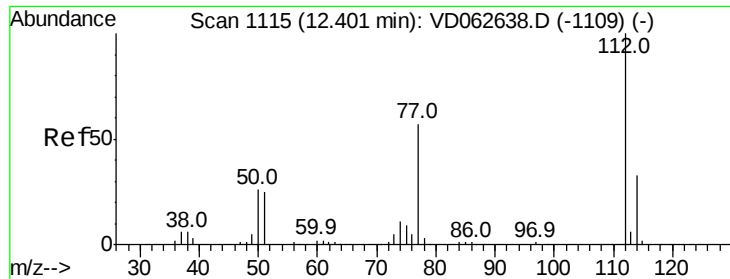


#64
Tetrachloroethene
Concen: 20.548 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.02 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion:164 Resp: 163044
Ion Ratio Lower Upper
164 100
166 121.0 99.4 149.2
129 93.1 70.2 105.4
131 90.9 69.3 103.9

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.806 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

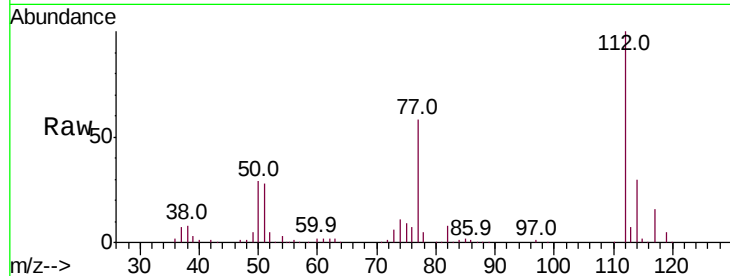
VD0612SBS01

Tot Ion:112 Resp: 371343

Ion Ratio Lower Upper

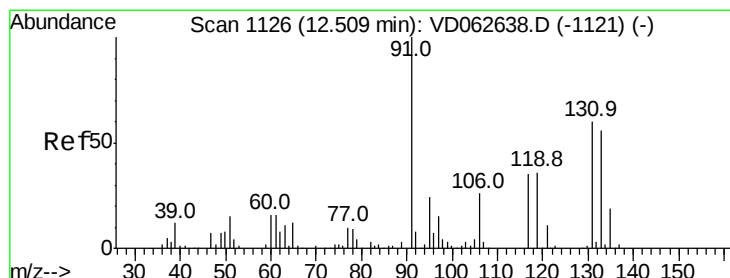
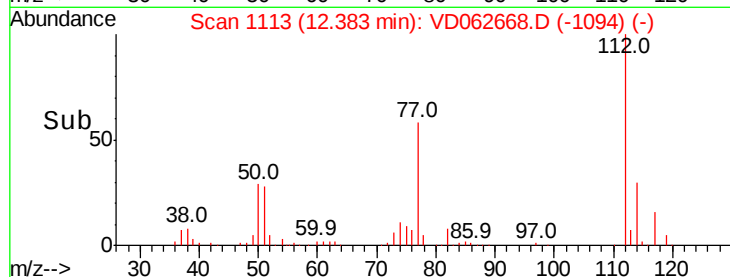
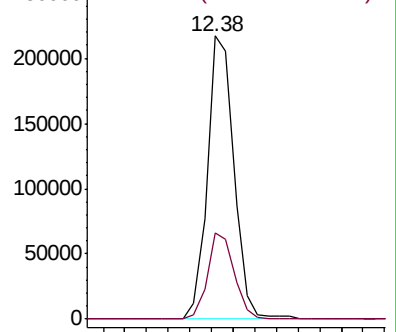
112 100

114 30.4 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.274 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

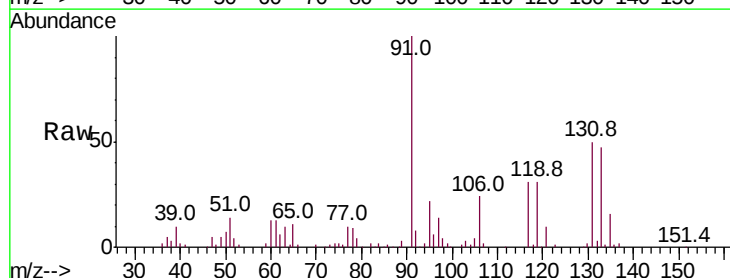
Tgt Ion:131 Resp: 181295

Ion Ratio Lower Upper

131 100

133 94.0 46.8 140.3

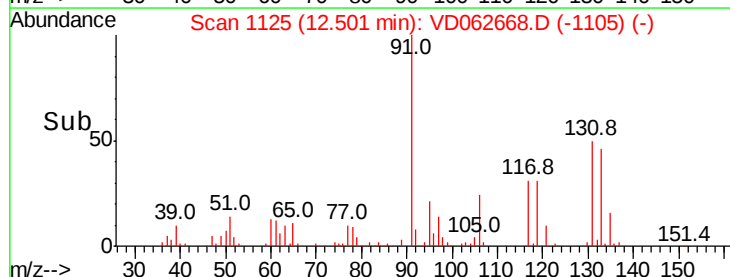
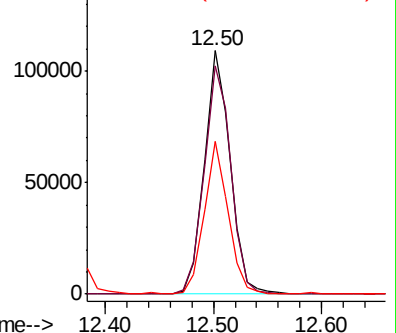
119 62.8 29.9 89.8

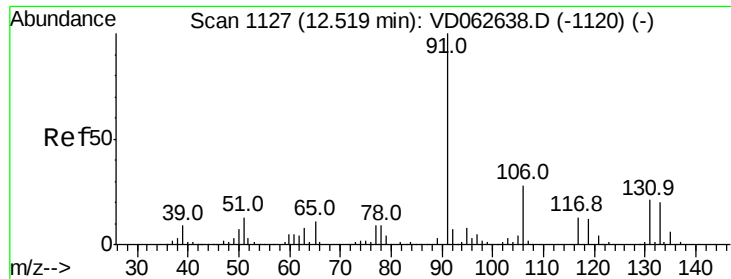


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

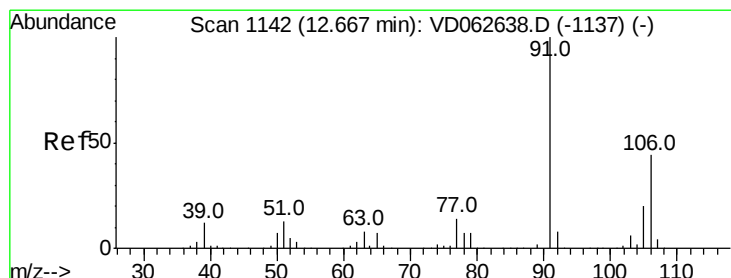
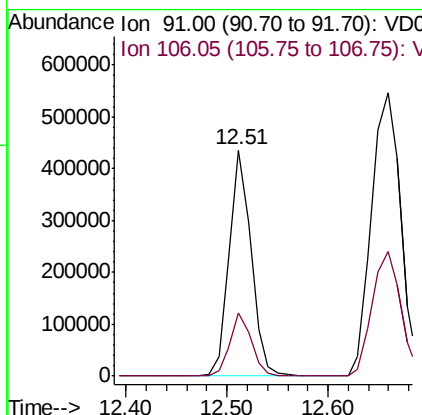
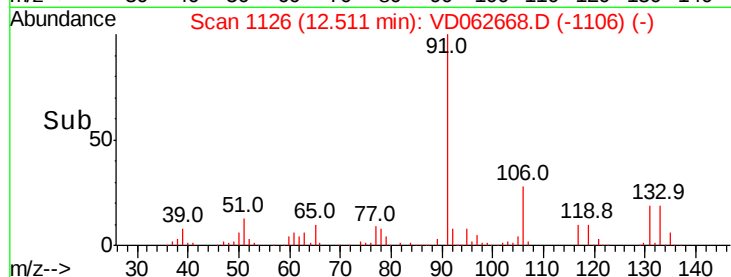
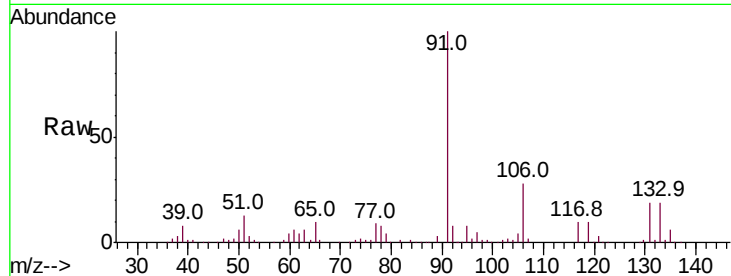




#67
Ethyl Benzene
Concen: 19.775 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

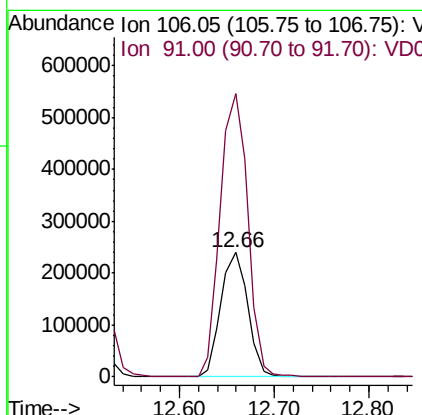
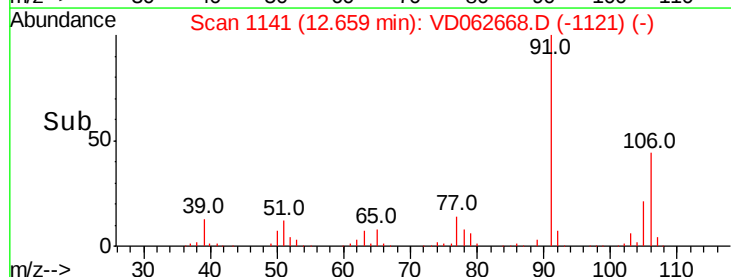
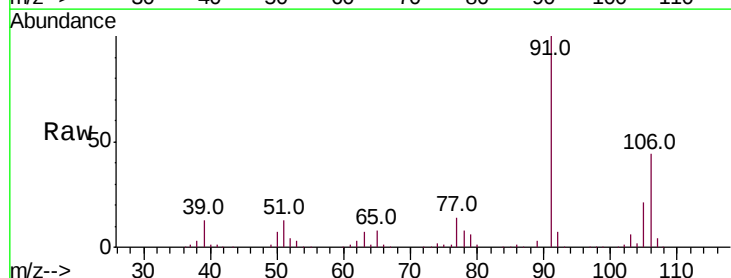
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

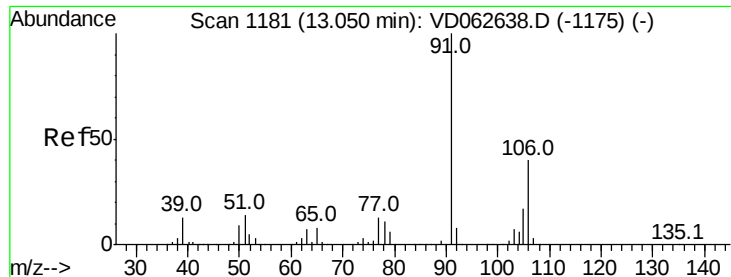
Tot Ion: 91 Resp: 657364
Ion Ratio Lower Upper
91 100
106 27.9 22.1 33.1



#68
m/p-Xylenes
Concen: 40.774 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion:106 Resp: 476505
Ion Ratio Lower Upper
106 100
91 227.6 180.2 270.4

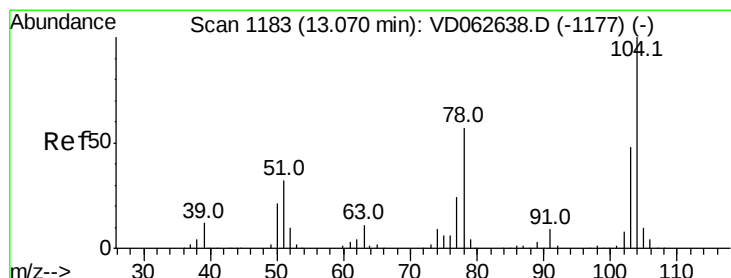
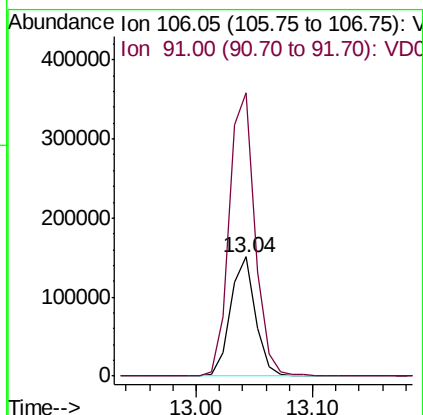
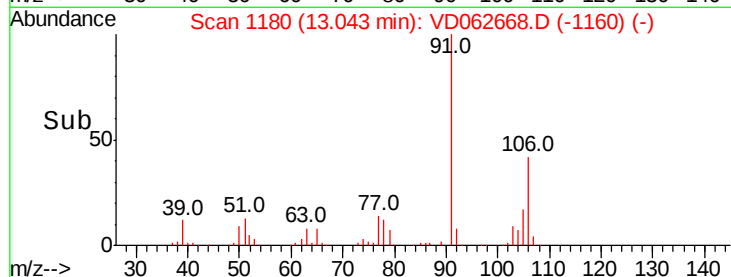
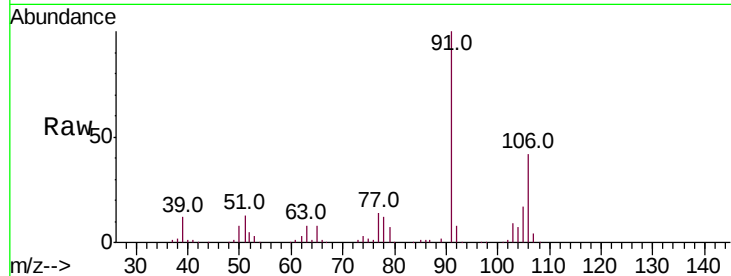




#69
o-Xylene
Concen: 20.991 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

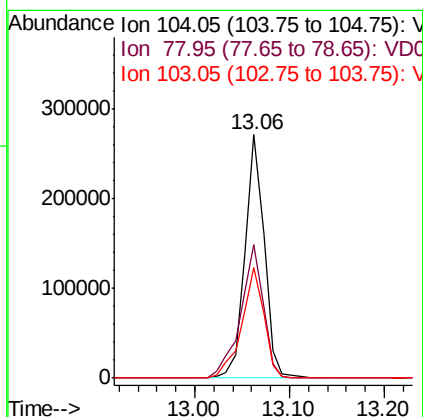
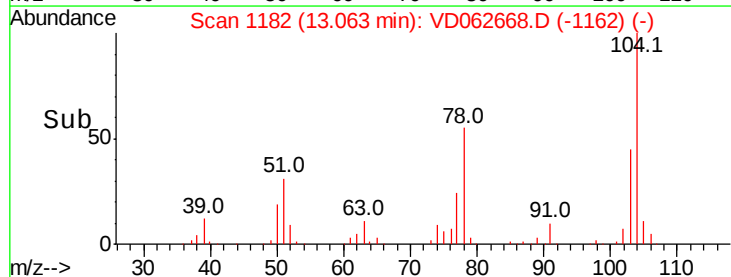
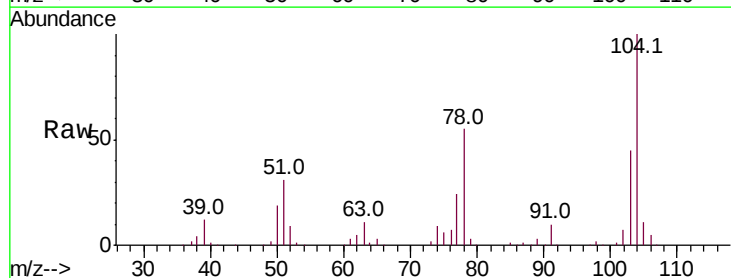
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

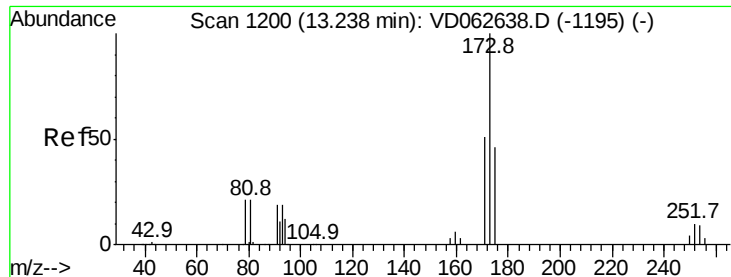
Tot Ion:106 Resp: 225294
Ion Ratio Lower Upper
106 100
91 237.6 124.1 372.1



#70
Styrene
Concen: 19.816 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion:104 Resp: 379494
Ion Ratio Lower Upper
104 100
78 54.9 45.9 68.9
103 45.2 38.4 57.6





#71

Bromoform

Concen: 21.156 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

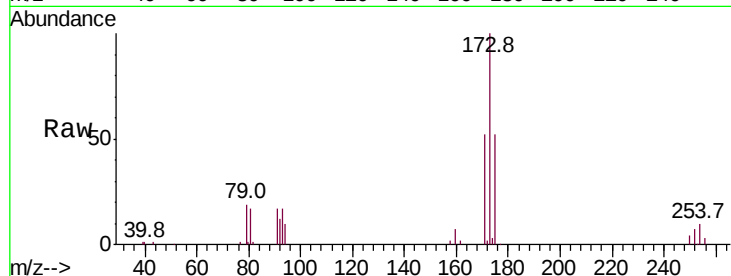
Tot Ion:173 Resp: 133250

Ion Ratio Lower Upper

173 100

175 52.2 22.9 68.7

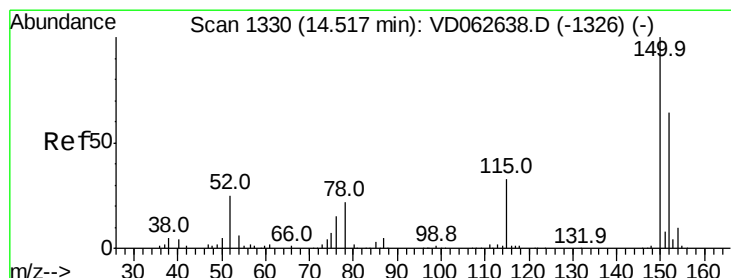
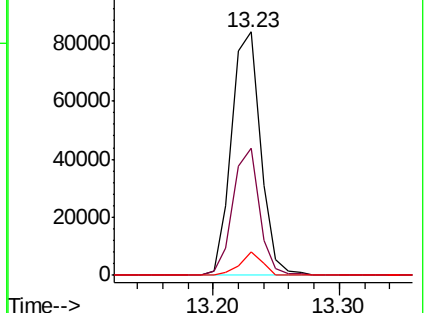
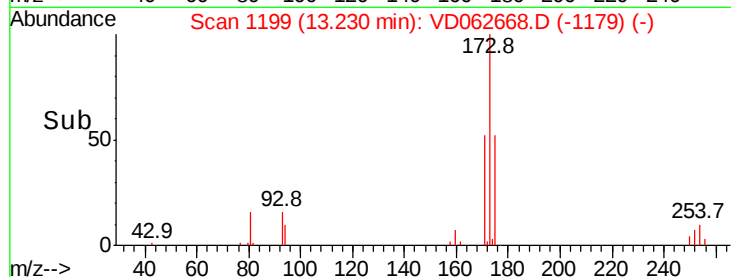
254 9.6 7.0 10.4



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

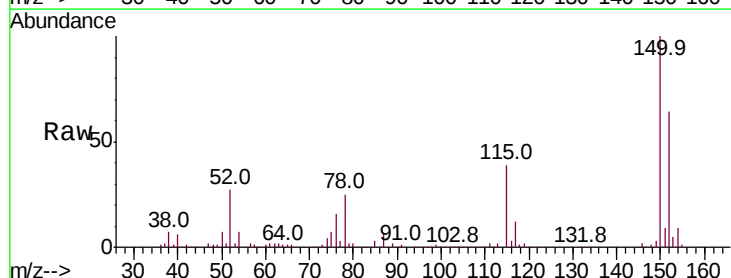
Tgt Ion:152 Resp: 468532

Ion Ratio Lower Upper

152 100

115 61.2 30.1 90.5

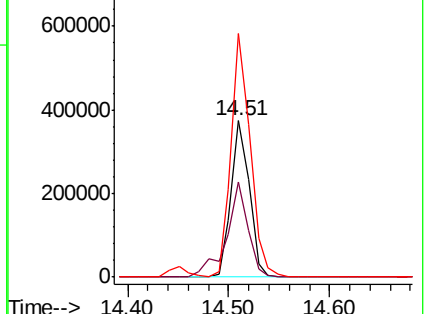
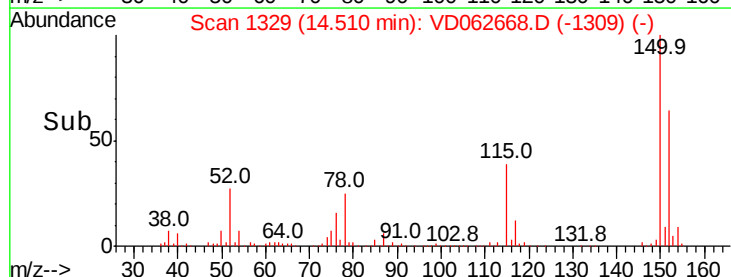
150 155.8 0.0 314.0

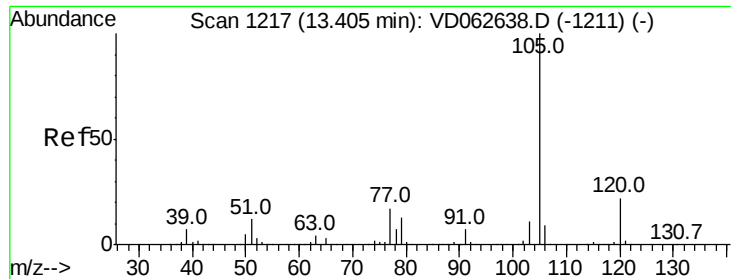


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.128 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

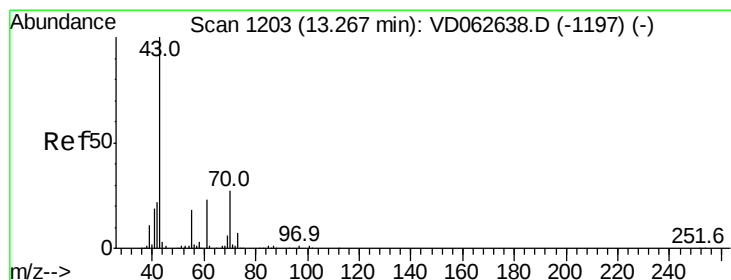
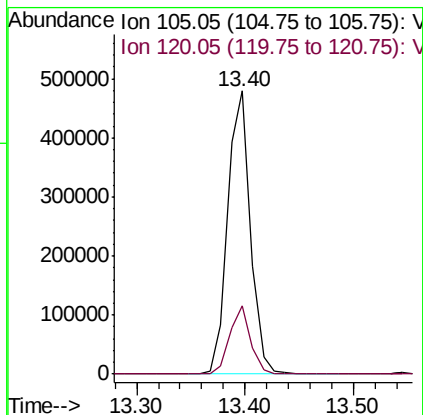
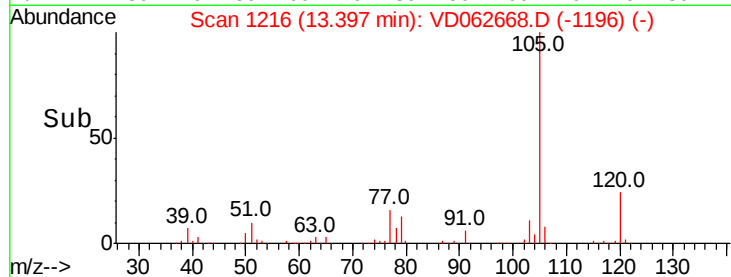
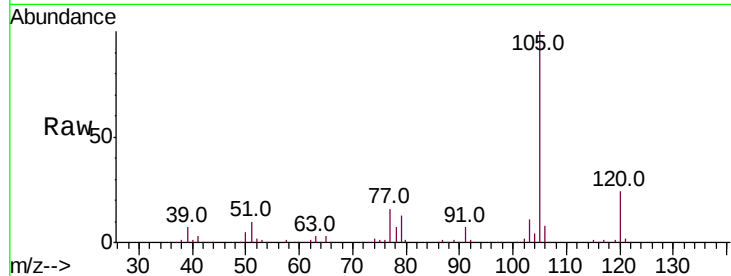
VD0612SBS01

Tot Ion:105 Resp: 697742

Ion Ratio Lower Upper

105 100

120 24.1 10.9 32.7



#74

N-ethyl acetate

Concen: 21.360 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Tgt Ion: 43 Resp: 190641

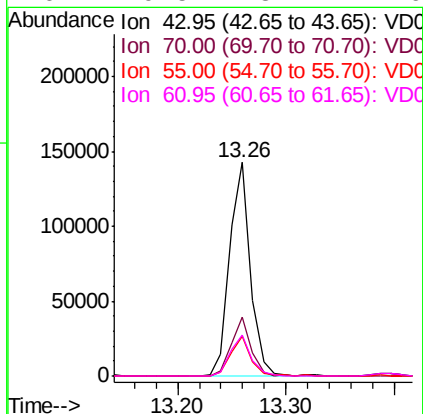
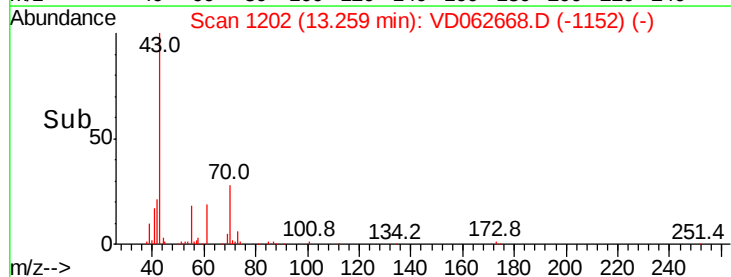
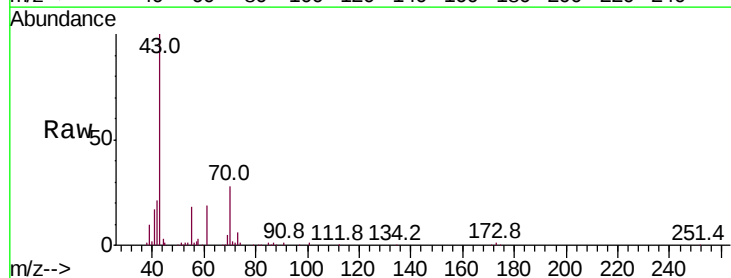
Ion Ratio Lower Upper

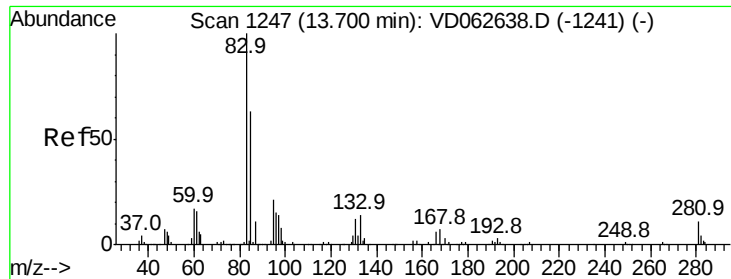
43 100

70 27.8 21.8 32.8

55 18.4 14.6 21.8

61 19.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.746 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

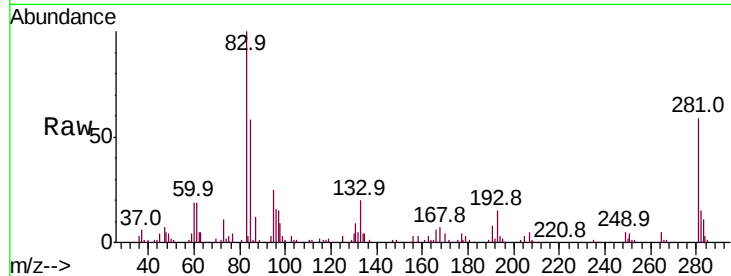
Tot Ion: 83 Resp: 122882

Ion Ratio Lower Upper

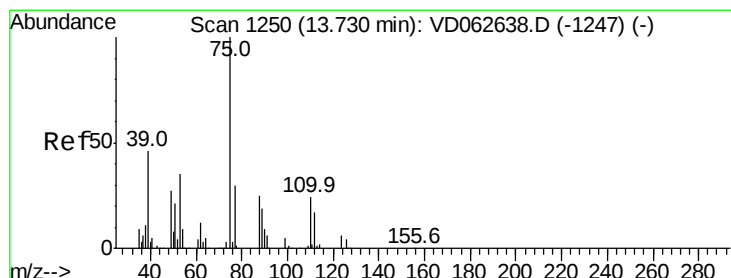
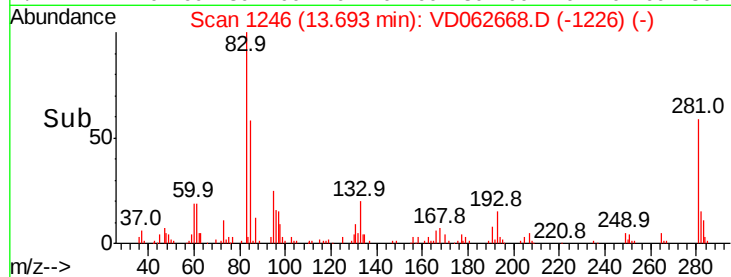
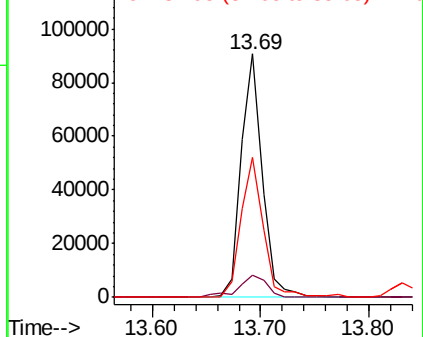
83 100

131 8.9 5.9 17.7

85 57.6 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: 20.791 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062668.D

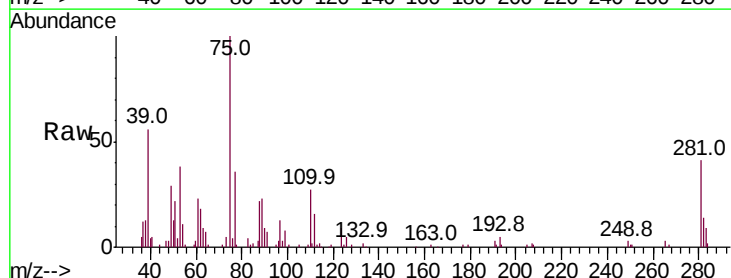
Acq: 12 Jun 2019 12:27

Tgt Ion: 75 Resp: 132084

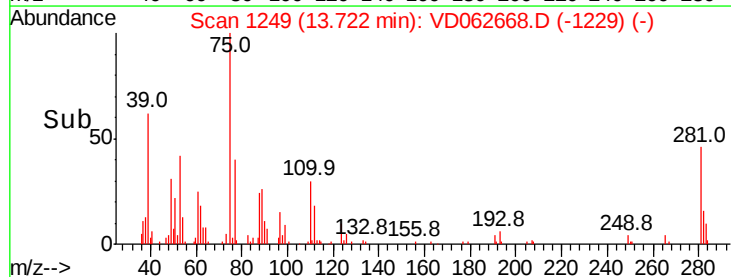
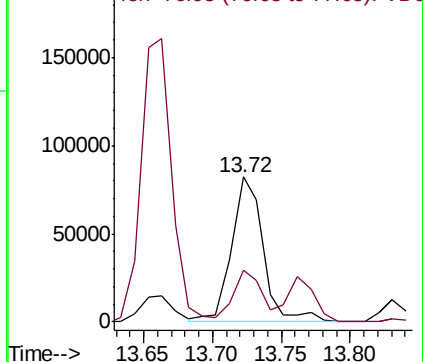
Ion Ratio Lower Upper

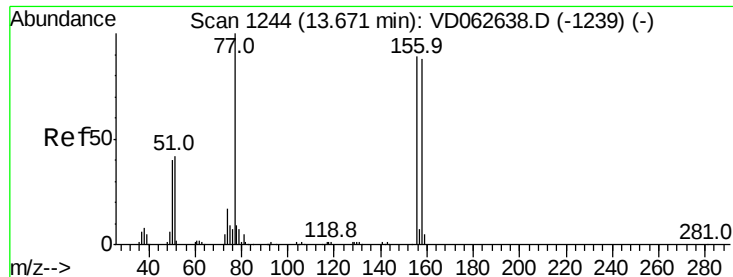
75 100

77 35.7 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: 21.446 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

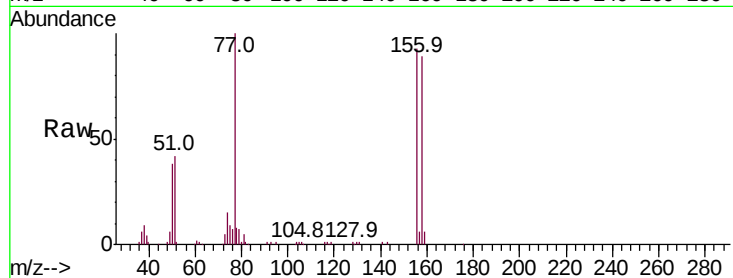
Tot Ion:156 Resp: 202426

Ion Ratio Lower Upper

156 100

77 107.1 56.3 168.8

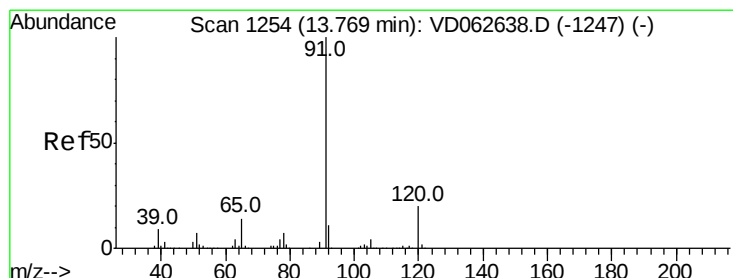
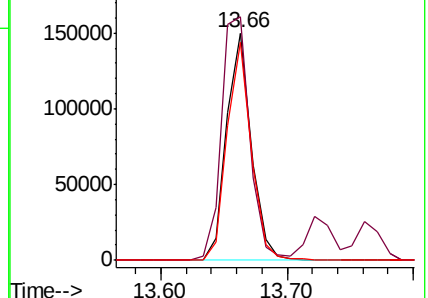
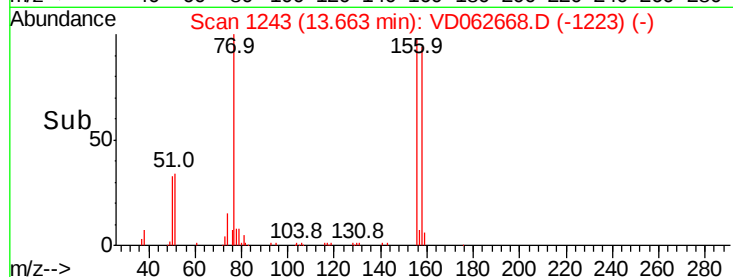
158 95.8 49.6 148.8



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: 19.190 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD062668.D

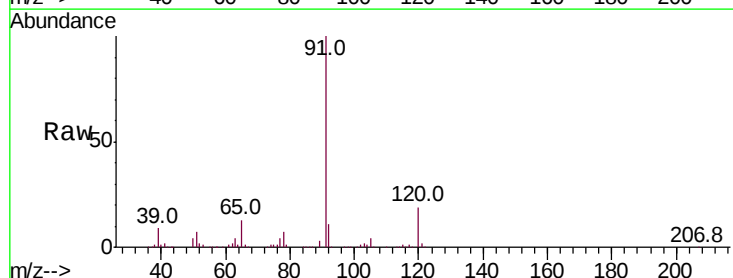
Acq: 12 Jun 2019 12:27

Tgt Ion: 91 Resp: 775754

Ion Ratio Lower Upper

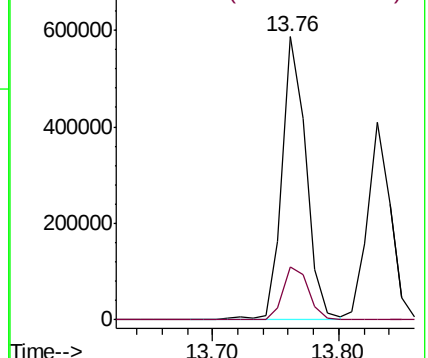
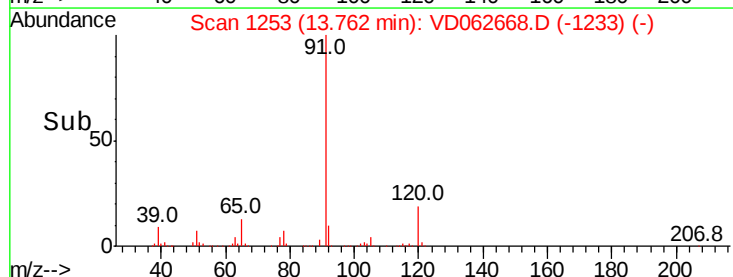
91 100

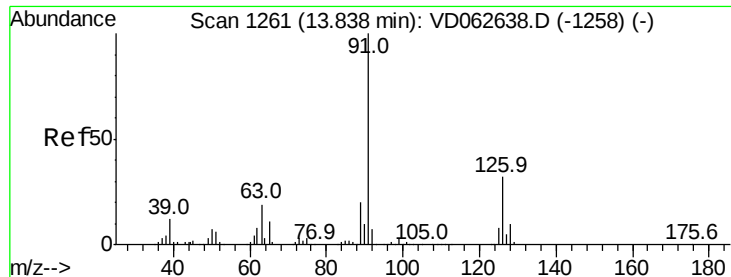
120 18.9 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

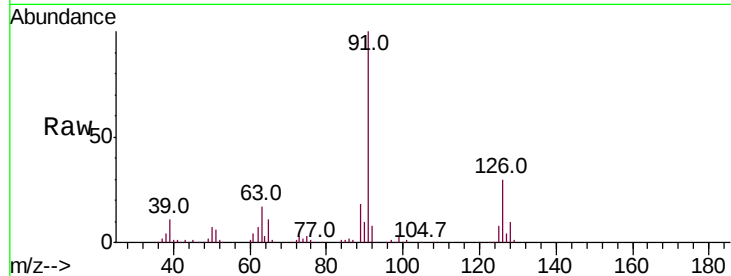




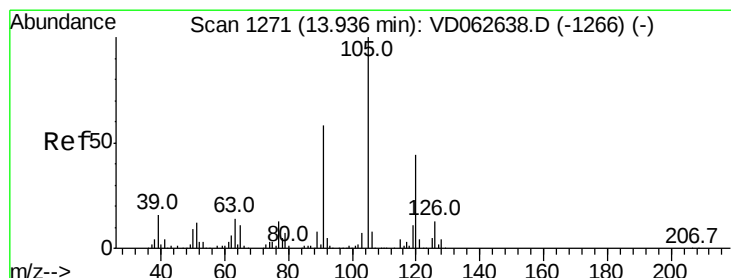
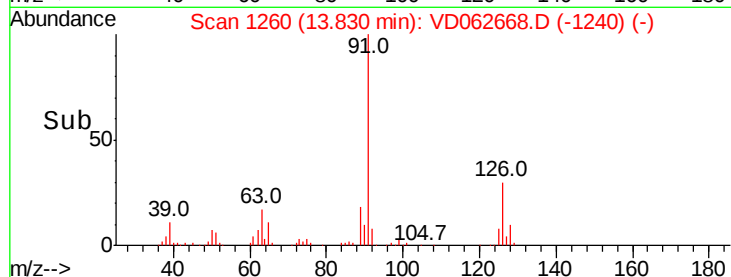
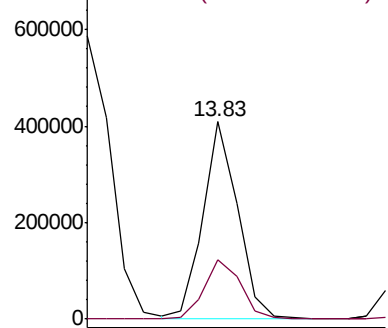
#79
 2-Chlorotoluene
 Concen: 21.866 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Tot Ion: 91 Resp: 517542
 Ion Ratio Lower Upper
 91 100
 126 30.3 15.8 47.4

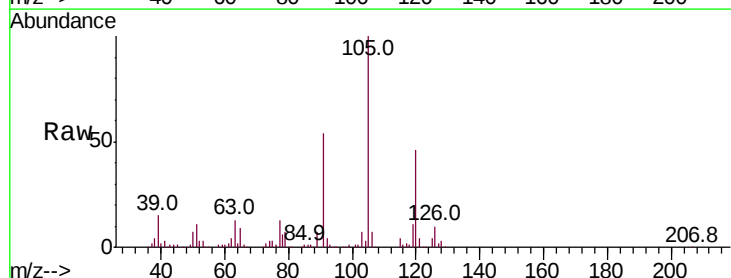


Abundance Ion 91.00 (90.70 to 91.70): VD
 Ion 125.95 (125.65 to 126.65): V

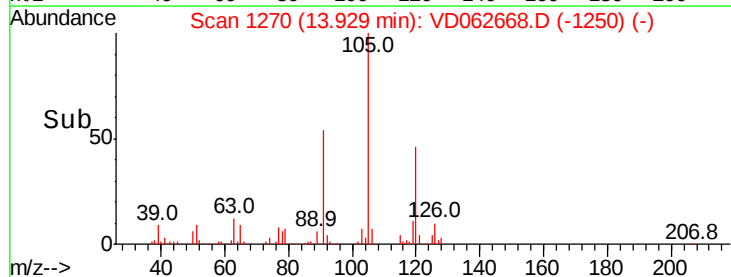
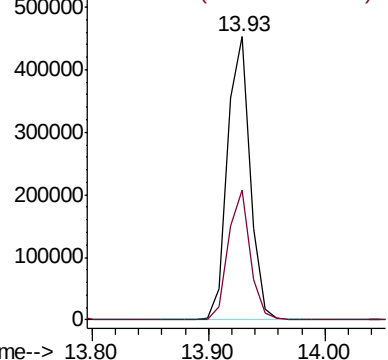


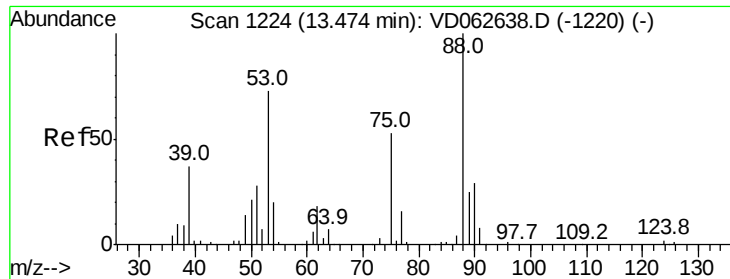
#80
 1,3,5-Trimethylbenzene
 Concen: 20.842 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Tgt Ion:105 Resp: 608317
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.1 66.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 20.066 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

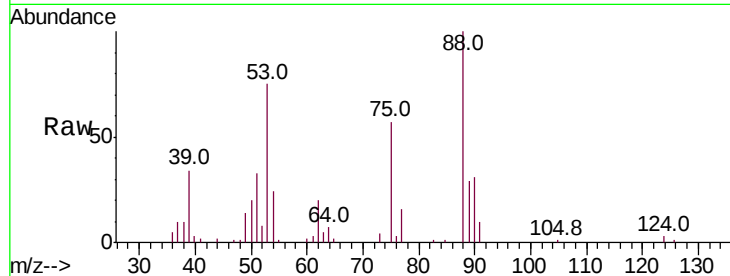
Tot Ion: 75 Resp: 33041

Ion Ratio Lower Upper

75 100

53 133.4 109.4 164.2

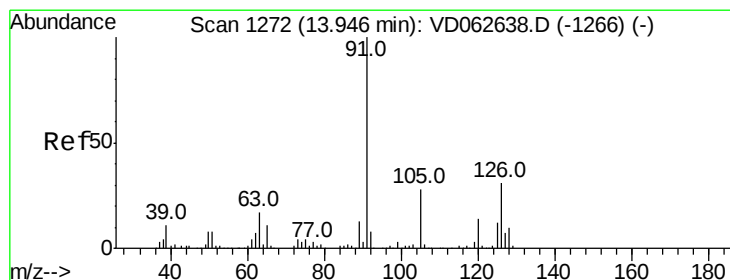
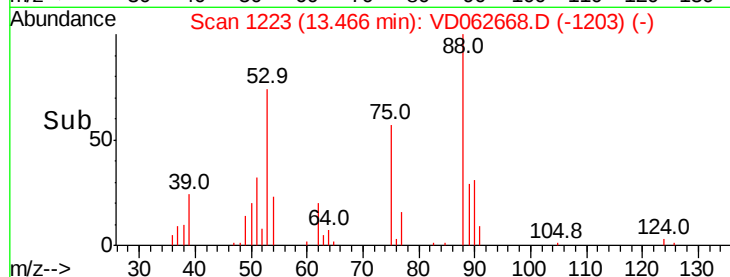
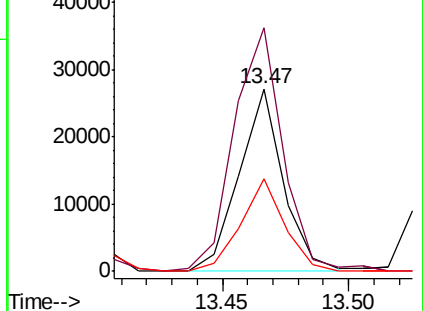
89 50.7 37.0 55.6



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: 20.914 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062668.D

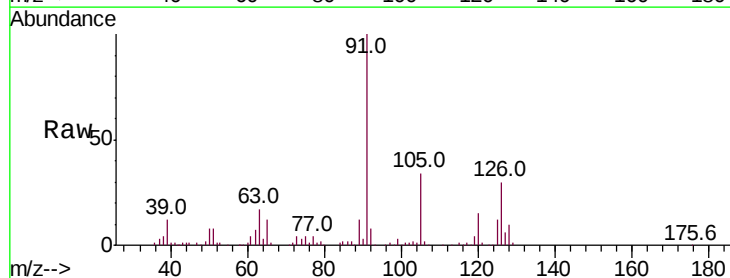
Acq: 12 Jun 2019 12:27

Tgt Ion: 91 Resp: 591981

Ion Ratio Lower Upper

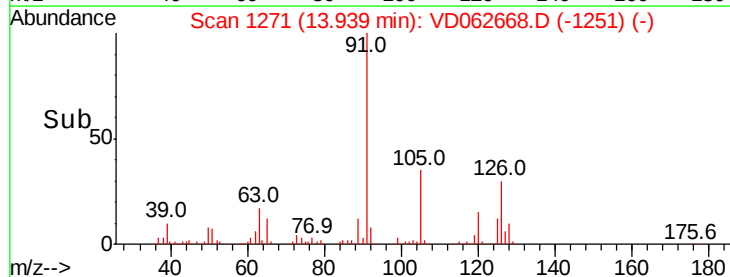
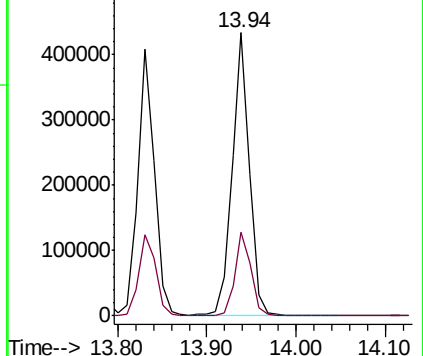
91 100

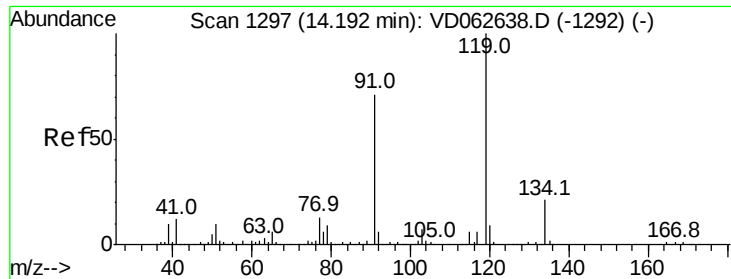
126 29.6 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

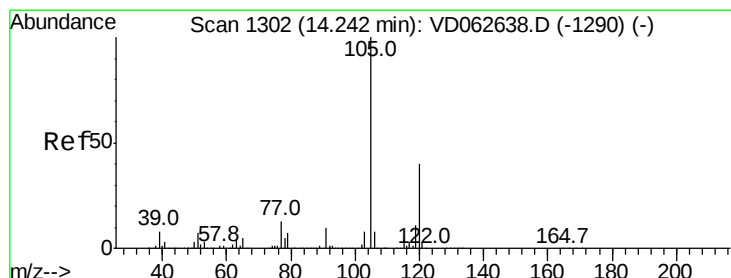
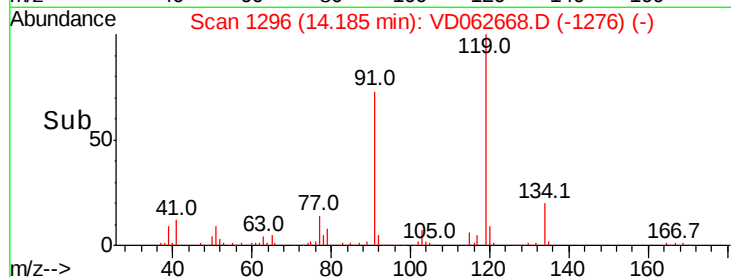
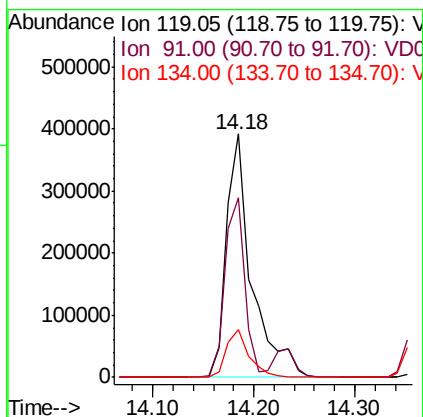
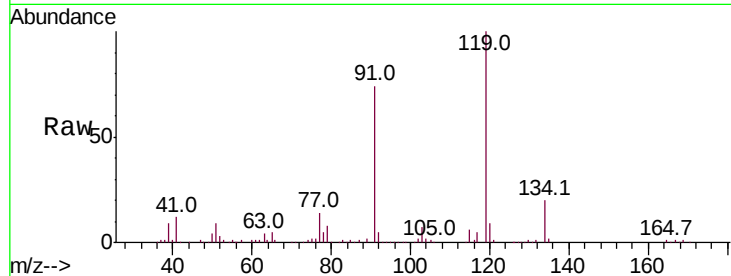




#83
 tert-Butylbenzene
 Concen: 21.224 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

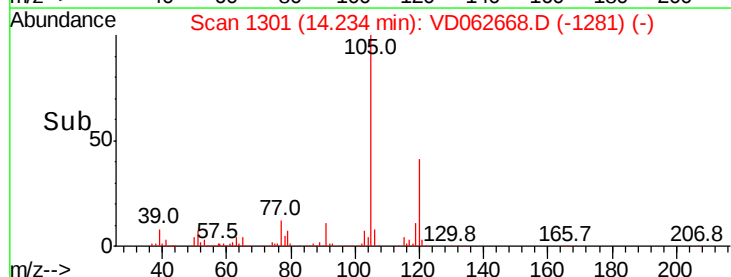
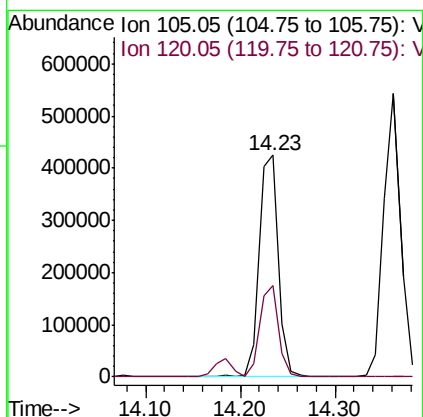
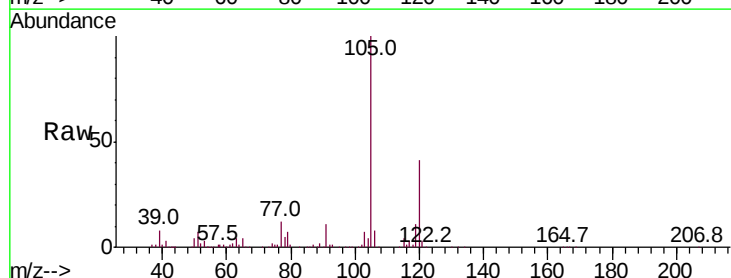
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0612SBS01

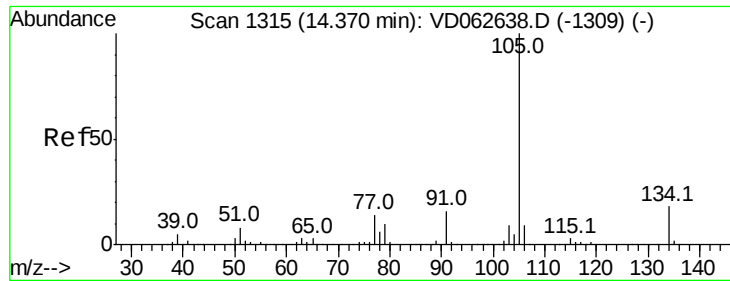
Tot Ion:119 Resp: 683219
 Ion Ratio Lower Upper
 119 100
 91 73.6 35.4 106.1
 134 19.7 10.8 32.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.852 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Tgt Ion:105 Resp: 602572
 Ion Ratio Lower Upper
 105 100
 120 41.4 20.3 60.8





#85

sec-Butylbenzene

Concen: 20.226 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

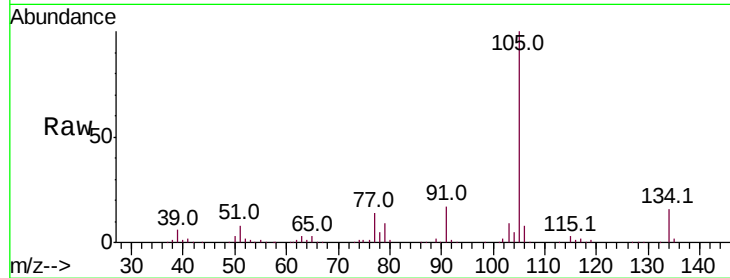
VD0612SBS01

Tot Ion:105 Resp: 682755

Ion Ratio Lower Upper

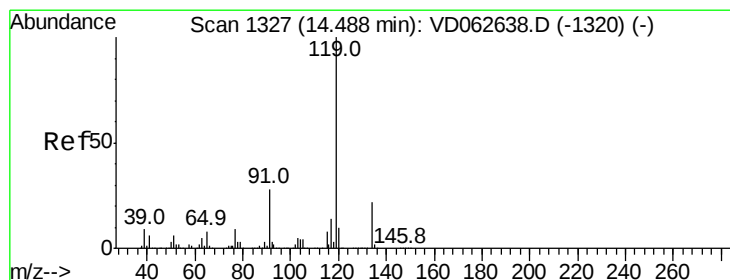
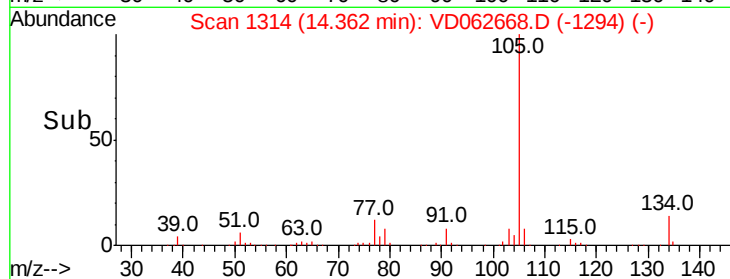
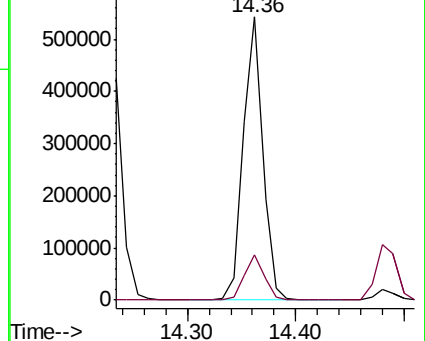
105 100

134 16.2 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: 20.316 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD062668.D

Acq: 12 Jun 2019 12:27

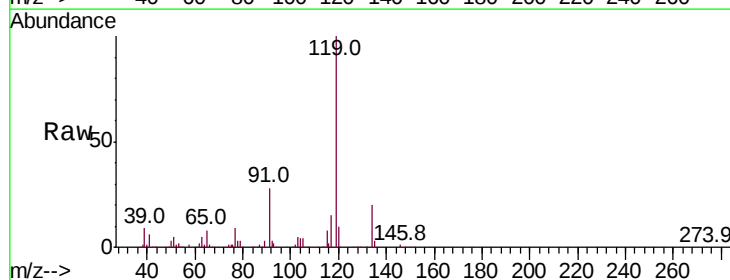
Tgt Ion:119 Resp: 667703

Ion Ratio Lower Upper

119 100

134 20.4 10.9 32.6

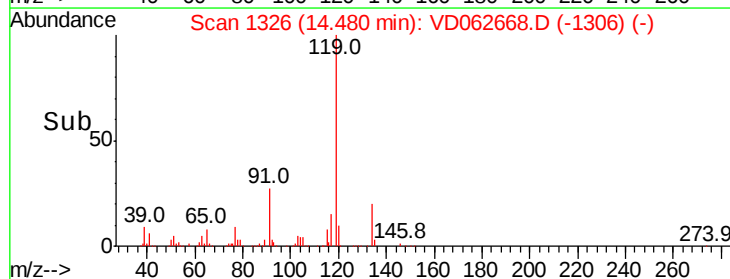
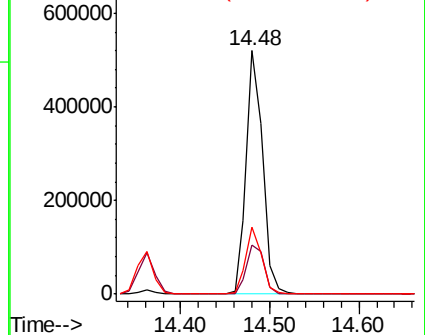
91 27.7 13.9 41.6

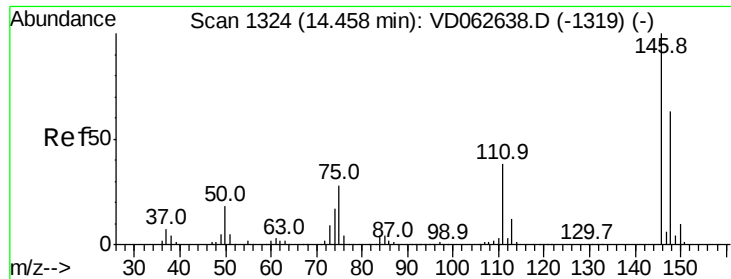


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

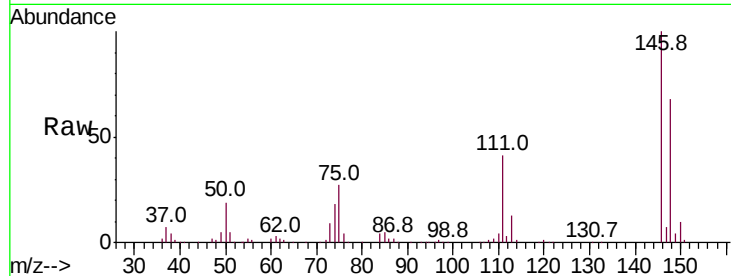




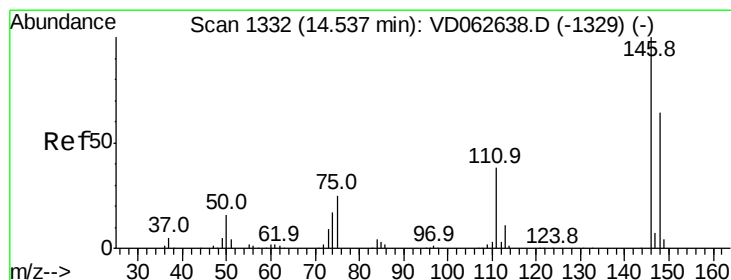
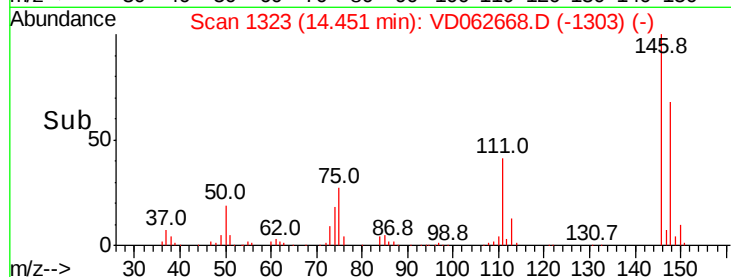
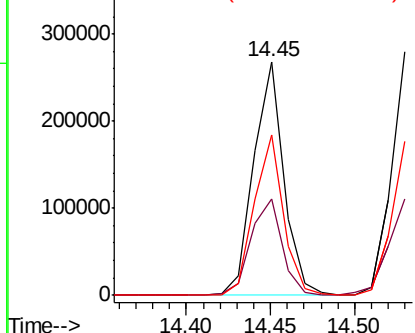
#87
 1,3-Dichlorobenzene
 Concen: 19.434 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Tot Ion:146 Resp: 332313
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.2 57.6
 148 68.4 31.6 95.0

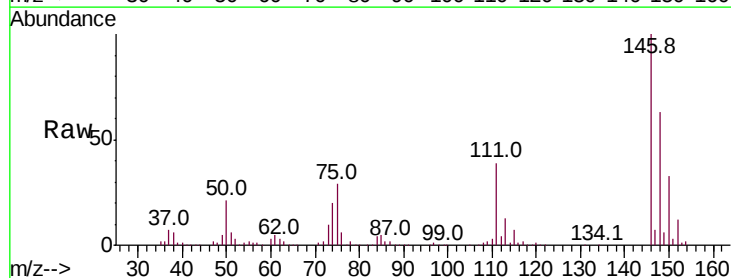


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

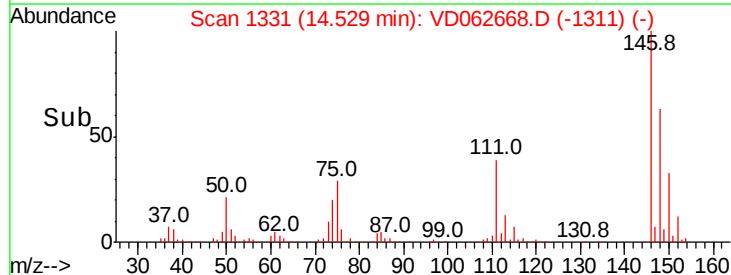
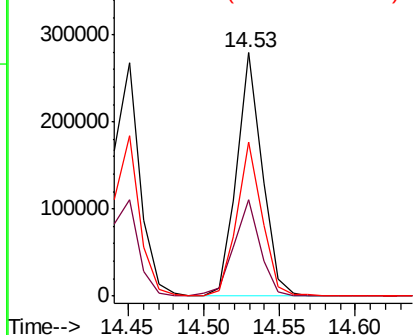


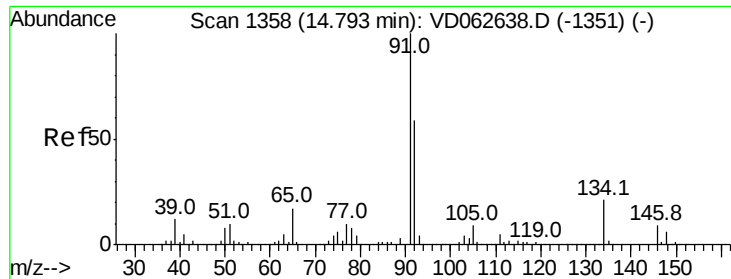
#88
 1,4-Dichlorobenzene
 Concen: 20.229 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Tgt Ion:146 Resp: 326898
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.9 56.7
 148 63.4 32.3 96.8



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

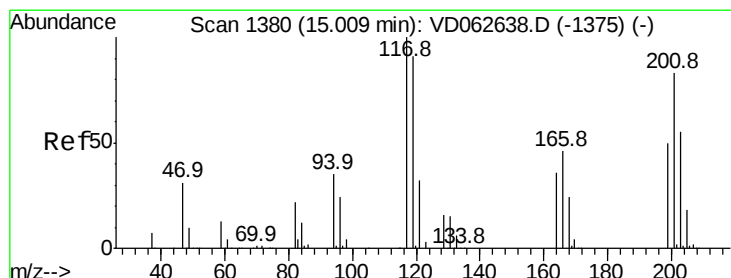
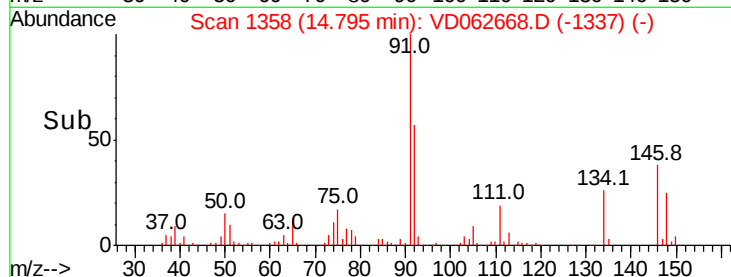
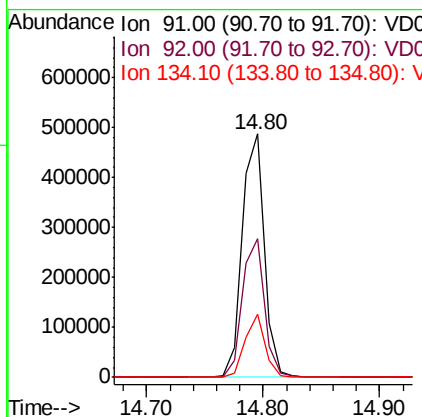
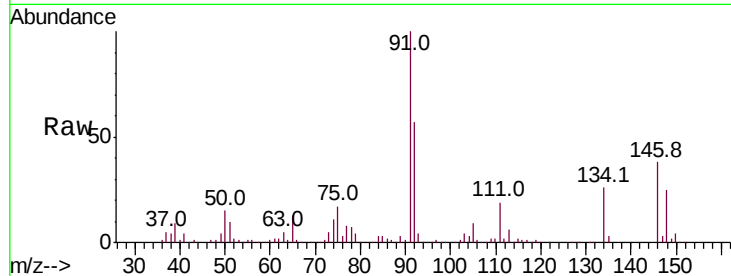




#89
n-Butylbenzene
Concen: 21.706 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

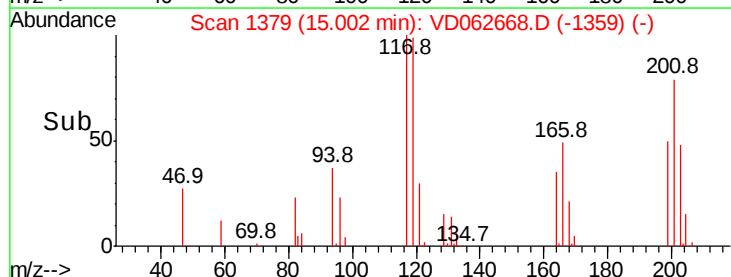
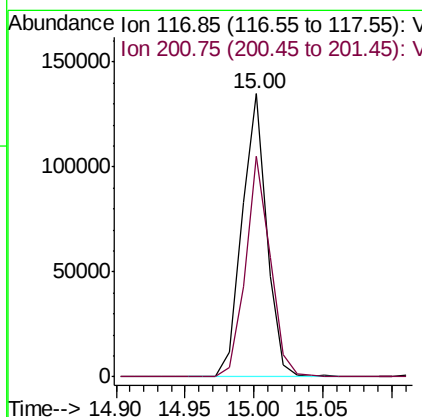
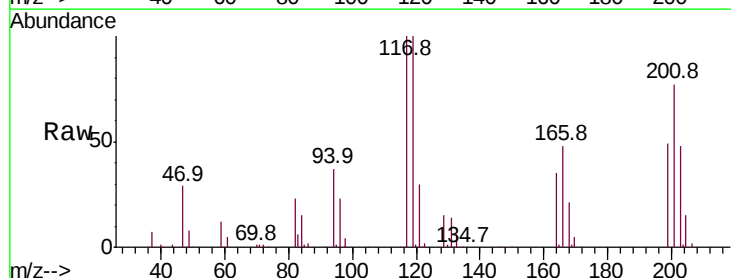
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

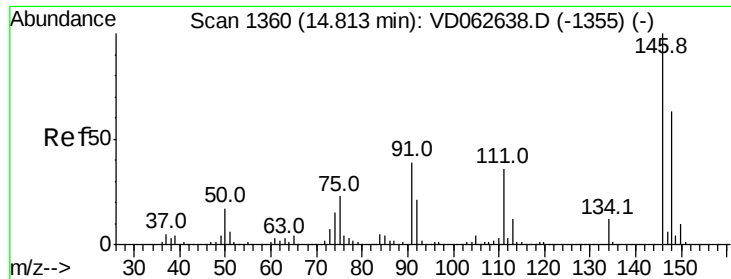
Tot Ion: 91 Resp: 641791
Ion Ratio Lower Upper
91 100
92 56.8 29.4 88.3
134 25.9 10.4 31.2



#90
Hexachloroethane
Concen: 19.476 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion: 117 Resp: 168987
Ion Ratio Lower Upper
117 100
201 77.8 41.5 124.6

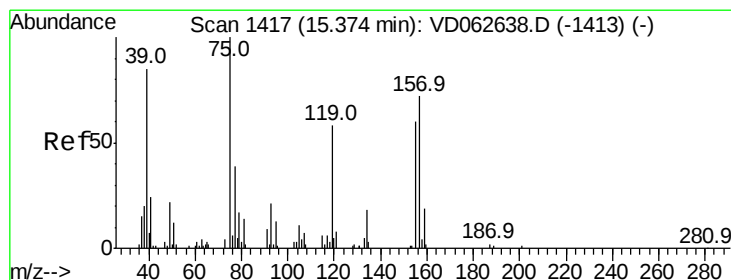
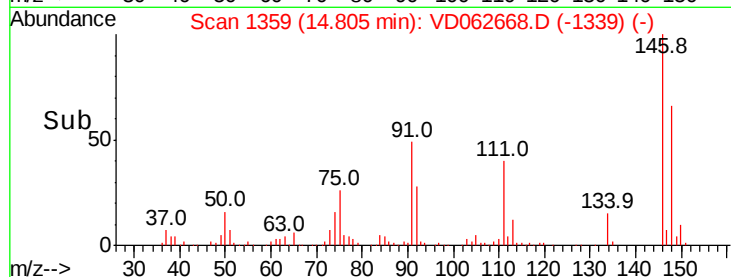
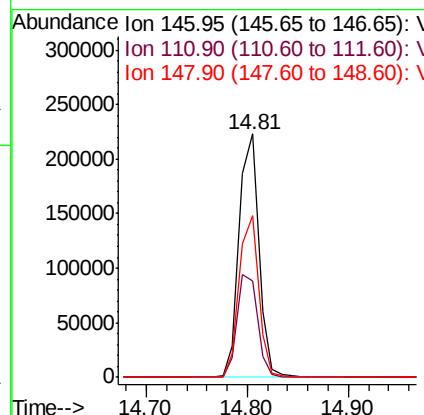
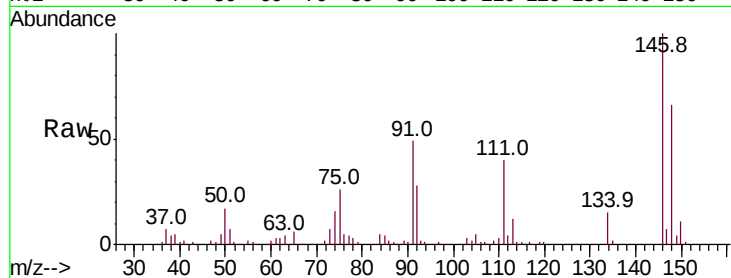




#91
 1,2-Dichlorobenzene
 Concen: 21.336 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

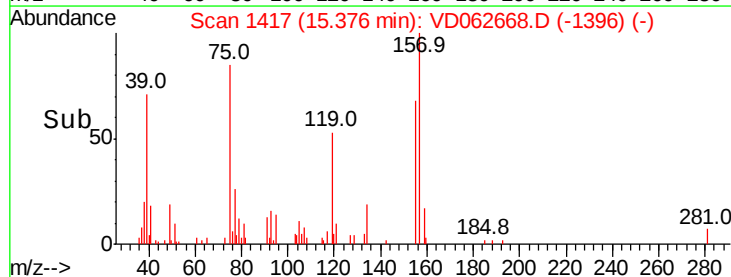
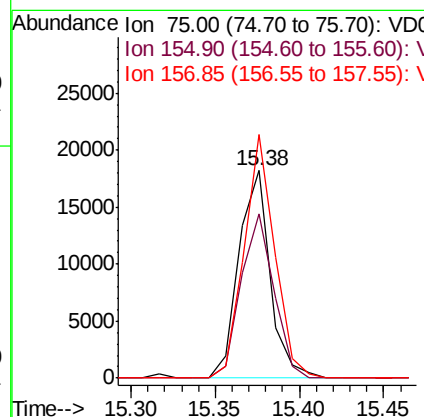
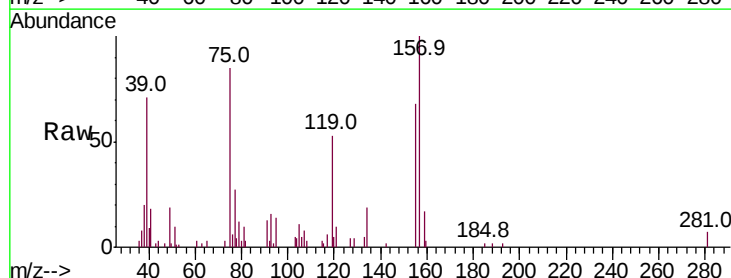
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

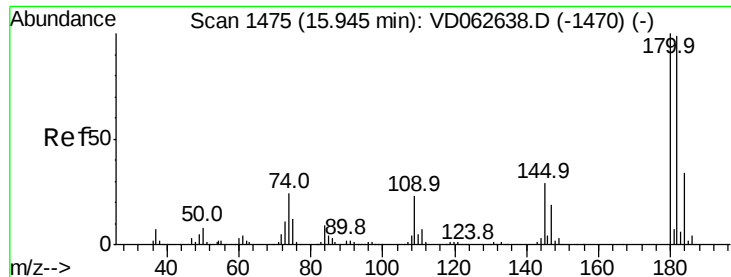
Tot Ion:146 Resp: 303274
 Ion Ratio Lower Upper
 146 100
 111 39.9 18.1 54.3
 148 66.2 31.4 94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.387 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Tgt Ion: 75 Resp: 23400
 Ion Ratio Lower Upper
 75 100
 155 79.5 30.1 90.5
 157 117.5 35.9 107.8#

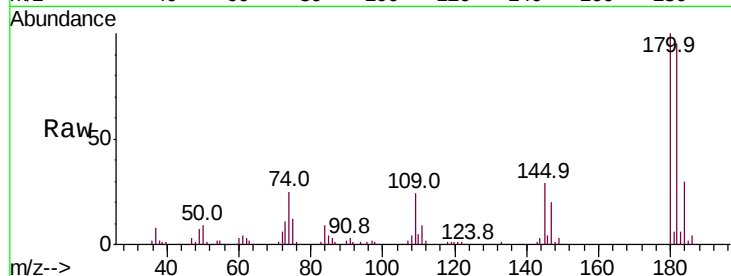




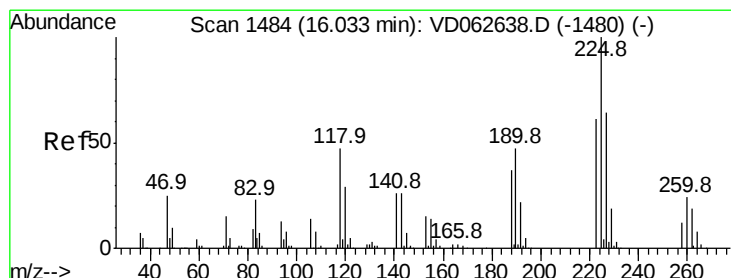
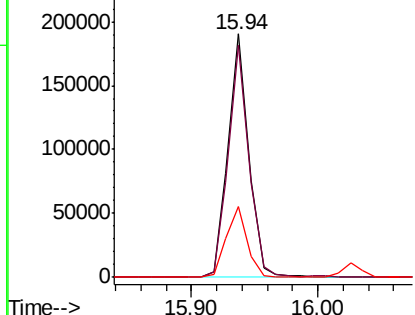
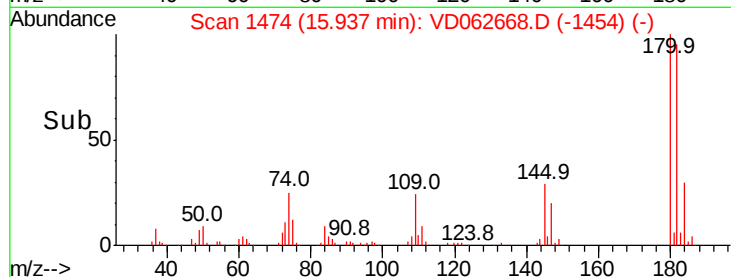
#93
 1,2,4-Trichlorobenzene
 Concen: 20.137 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Tot Ion:180 Resp: 215145
 Ion Ratio Lower Upper
 180 100
 182 95.4 49.4 148.2
 145 29.2 14.5 43.6

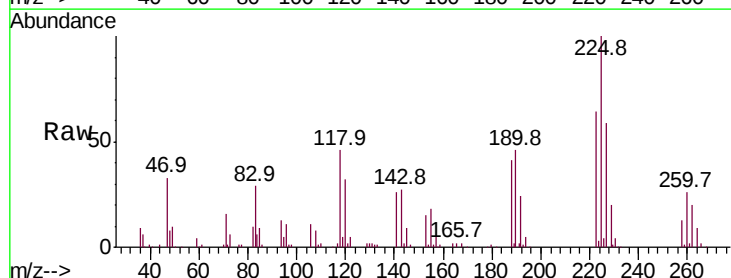


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

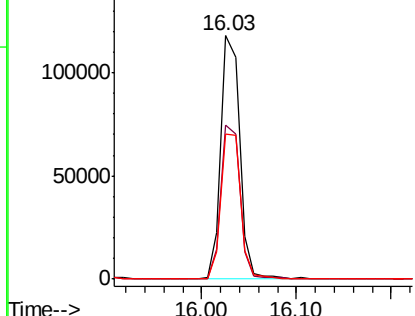
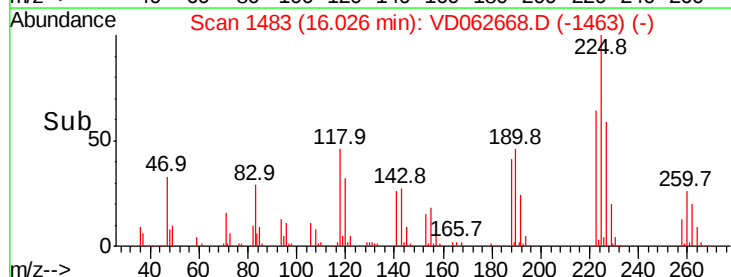


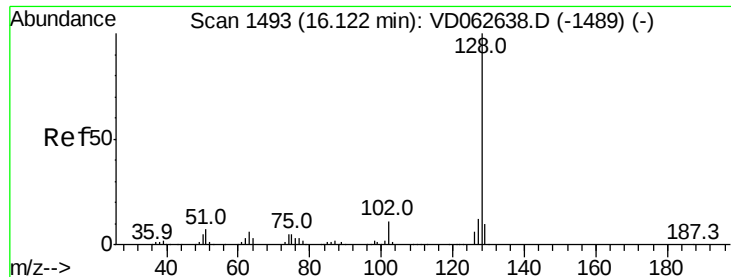
#94
 Hexachlorobutadiene
 Concen: 19.555 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062668.D
 Acq: 12 Jun 2019 12:27

Tgt Ion:225 Resp: 164108
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.3 91.0
 227 59.5 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

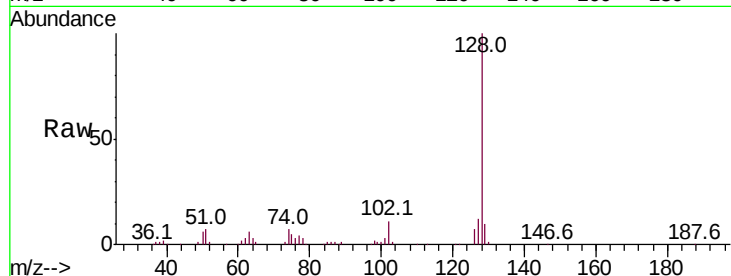




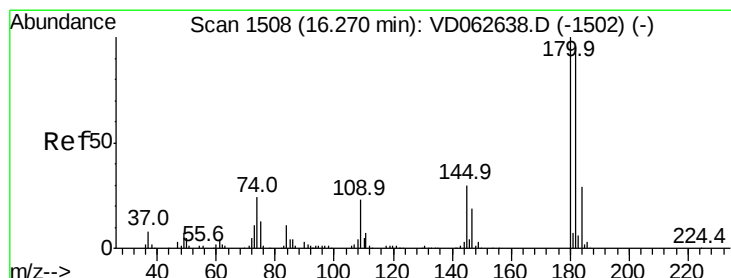
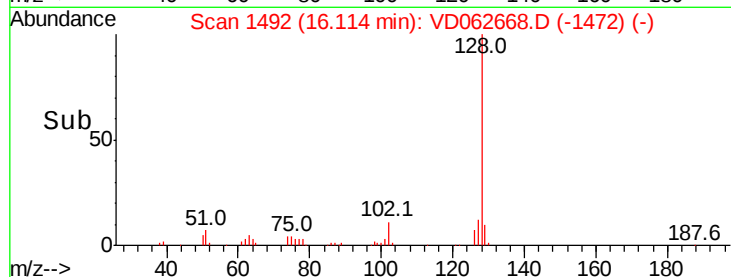
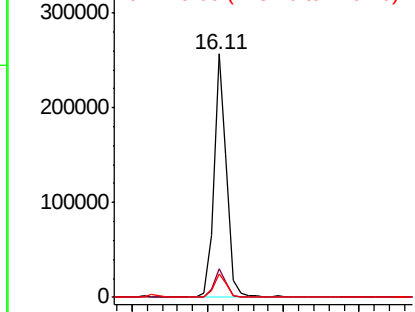
#95
Naphthalene
Concen: 19.929 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

Tot Ion:128 Resp: 300924
Ion Ratio Lower Upper
128 100
127 11.8 9.7 14.5
129 9.8 8.1 12.1

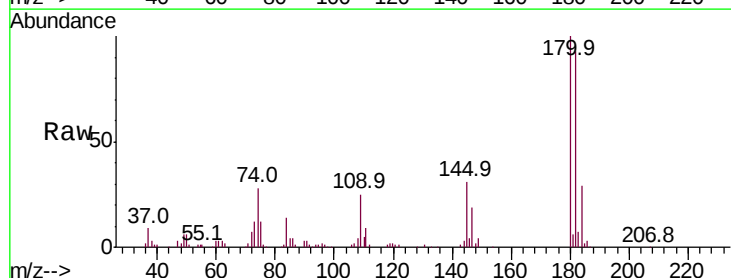


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.645 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062668.D
Acq: 12 Jun 2019 12:27

Tgt Ion:180 Resp: 169024
Ion Ratio Lower Upper
180 100
182 93.4 47.7 143.1
145 31.1 15.0 45.0



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

