

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062674.D
 Acq On : 12 Jun 2019 15:14
 Operator : VA/AP
 Sample : VD0612SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Quant Time: Jun 13 07:24:29 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	791954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	972118	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	847916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	477455	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	485482	42.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.96%	
35) Dibromofluoromethane	6.91	113	509613	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.40	98	1059988	49.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	13.55	95	481048	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	182559	18.187	ug/l	94
3) Chloromethane	1.74	50	140584	17.941	ug/l	98
4) Vinyl Chloride	1.84	62	147989	18.315	ug/l	98
5) Bromomethane	2.14	94	57654	14.135	ug/l	95
6) Chloroethane	2.26	64	69391	17.394	ug/l #	72
7) Trichlorofluoromethane	2.52	101	315121	17.423	ug/l	93
8) Diethyl Ether	2.87	74	37309	15.167	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.13	101	171638	17.597	ug/l	94
10) Methyl Iodide	3.29	142	174427	15.340	ug/l	95
11) Tert butyl alcohol	4.09	59	47225	100.534	ug/l #	73
12) 1,1-Dichloroethene	3.11	96	127247	18.179	ug/l	96
13) Acrolein	3.02	56	15005	99.304	ug/l	97
14) Allyl chloride	3.60	41	197592	18.359	ug/l	96
15) Acrylonitrile	4.19	53	96020	89.953	ug/l	94
16) Acetone	3.22	43	188286	89.976	ug/l	97
17) Carbon Disulfide	3.36	76	340057	16.486	ug/l	98
18) Methyl Acetate	3.63	43	63121	18.354	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	295574	17.313	ug/l	100
20) Methylene Chloride	3.80	84	130715	16.234	ug/l #	87
21) trans-1,2-Dichloroethene	4.21	96	136460	17.772	ug/l	87
22) Diisopropyl ether	5.11	45	405549	18.147	ug/l #	95
23) Vinyl Acetate	5.04	43	1270291	91.623	ug/l	99
24) 1,1-Dichloroethane	4.97	63	245808	17.098	ug/l	97
25) 2-Butanone	6.07	43	179801	88.072	ug/l	99
26) 2,2-Dichloropropane	6.02	77	297836	17.975	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	151108	18.154	ug/l	94
28) Bromochloromethane	6.43	49	97062	17.661	ug/l	95
29) Tetrahydrofuran	6.45	42	79683	86.672	ug/l	98
30) Chloroform	6.66	83	313914	17.018	ug/l	98
31) Cyclohexane	6.93	56	165311	18.330	ug/l	89
32) 1,1,1-Trichloroethane	6.86	97	330225	17.992	ug/l	96
36) 1,1-Dichloropropene	7.13	75	203813	18.319	ug/l	96
37) Ethyl Acetate	6.17	43	93755	20.490	ug/l #	93
38) Carbon Tetrachloride	7.10	117	337658	19.201	ug/l	94

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 Sample : VD0612SBSD01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

Quant Time: Jun 13 07:24:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	173632	19.312	ug/l	93
40) Benzene	7.44	78	406525	18.710	ug/l	92
41) Methacrylonitrile	6.45	41	118595	20.363	ug/l #	84
42) 1,2-Dichloroethane	7.56	62	231909	17.907	ug/l	96
43) Isopropyl Acetate	9.24	43	115549	19.683	ug/l #	100
44) Trichloroethene	8.53	130	170203	19.295	ug/l	94
45) 1,2-Dichloropropane	8.93	63	101119	19.375	ug/l	91
46) Dibromomethane	9.05	93	92197	19.902	ug/l	94
47) Bromodichloromethane	9.36	83	243238	19.302	ug/l	94
48) Methyl methacrylate	9.11	41	75473	17.796	ug/l #	85
49) 1,4-Dioxane	9.07	88	14366	408.158	ug/l #	80
51) 4-Methyl-2-Pentanone	10.29	43	398965	97.126	ug/l	97
52) Toluene	10.50	92	274624	18.803	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	204720	19.814	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	208160	19.493	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	102422	20.449	ug/l	99
56) Ethyl methacrylate	11.03	69	106679	20.224	ug/l	96
57) 1,3-Dichloropropane	11.40	76	148948	19.187	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	275105	102.766	ug/l	95
59) 2-Hexanone	11.53	43	305604	100.016	ug/l	96
60) Dibromochloromethane	11.68	129	187027	18.916	ug/l	95
61) 1,2-Dibromoethane	11.80	107	118124	19.705	ug/l	97
64) Tetrachloroethene	11.24	164	153489	19.337	ug/l	99
65) Chlorobenzene	12.39	112	357743	19.074	ug/l	94
66) 1,1,1,2-Tetrachloroethane	12.50	131	172147	19.245	ug/l	92
67) Ethyl Benzene	12.51	91	647725	19.478	ug/l	100
68) m/p-Xylenes	12.66	106	426052	36.444	ug/l	96
69) o-Xylene	13.05	106	209235	19.488	ug/l	92
70) Styrene	13.07	104	384738	20.083	ug/l	97
71) Bromoform	13.23	173	129178	20.590	ug/l #	98
73) Isopropylbenzene	13.40	105	593493	17.636	ug/l	98
74) N-amyl acetate	13.26	43	170183	18.712	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	109294	18.980	ug/l	94
76) 1,2,3-Trichloropropane	13.72	75	123722	19.111	ug/l	97
77) Bromobenzene	13.67	156	186101	19.348	ug/l	97
78) n-propylbenzene	13.76	91	797885	19.369	ug/l	99
79) 2-Chlorotoluene	13.83	91	445651	18.477	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	576023	19.367	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	32129	19.326	ug/l #	92
82) 4-Chlorotoluene	13.94	91	570365	19.774	ug/l	96
83) tert-Butylbenzene	14.19	119	625128	19.056	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	600538	20.393	ug/l	93
85) sec-Butylbenzene	14.36	105	662248	19.252	ug/l	100
86) p-Isopropyltoluene	14.48	119	663130	19.800	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	334284	19.184	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	316079	19.194	ug/l	96
89) n-Butylbenzene	14.80	91	575683	19.107	ug/l	97
90) Hexachloroethane	15.00	117	162857	18.419	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	282138	19.478	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	21794	17.719	ug/l #	26

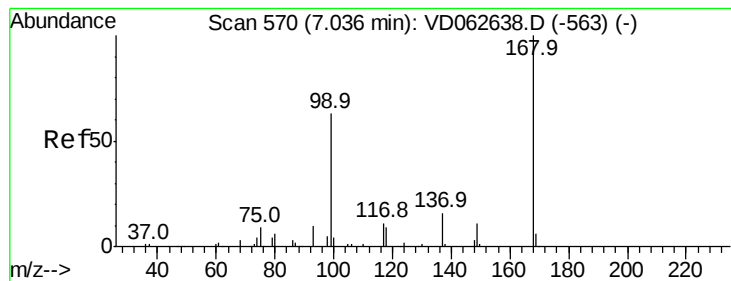
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
Data File : VD062674.D
Acq On : 12 Jun 2019 15:14
Operator : VA/AP
Sample : VD0612SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
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MSVOA_D
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Quant Title : SW846 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	217162	19.980	ug/l	96
94) Hexachlorobutadiene	16.03	225	153096	17.902	ug/l	99
95) Naphthalene	16.12	128	289894	19.028	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	165536	19.841	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

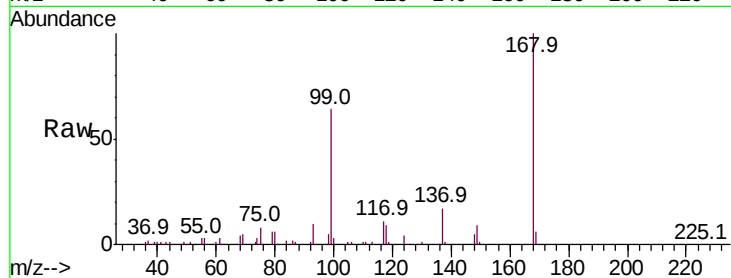
VD0612SBSD01

Tot Ion:168 Resp: 791954

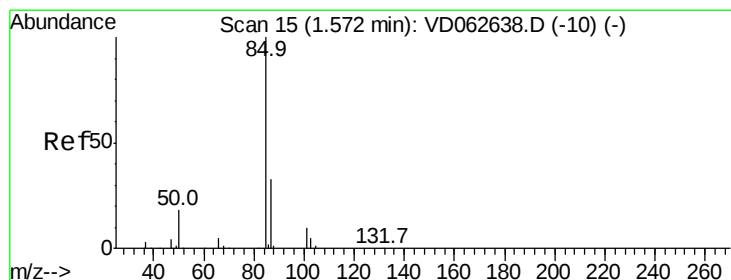
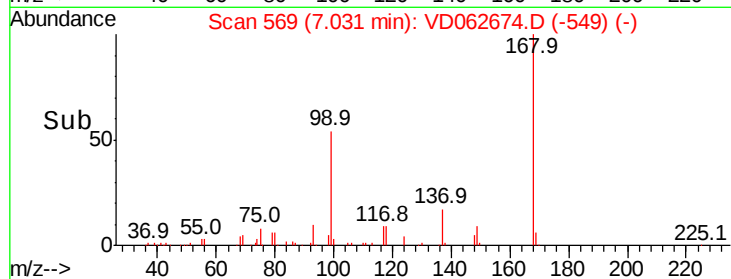
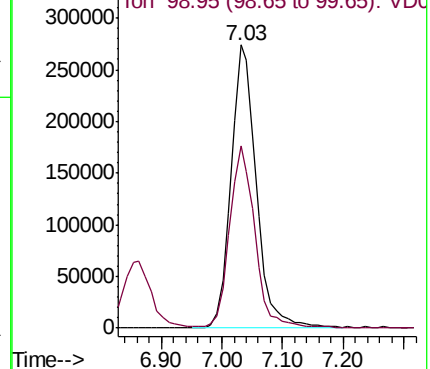
Ion Ratio Lower Upper

168 100

99 64.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 18.187 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062674.D

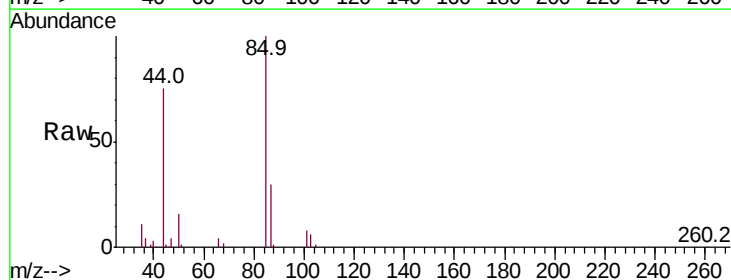
Acq: 12 Jun 2019 15:14

Tgt Ion: 85 Resp: 182559

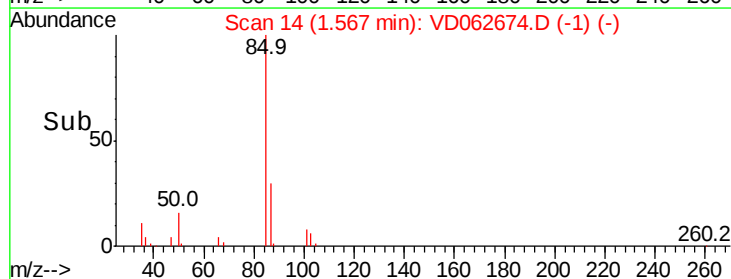
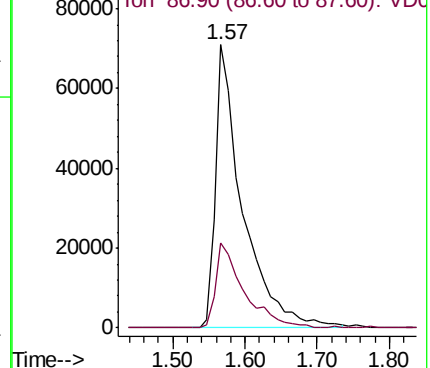
Ion Ratio Lower Upper

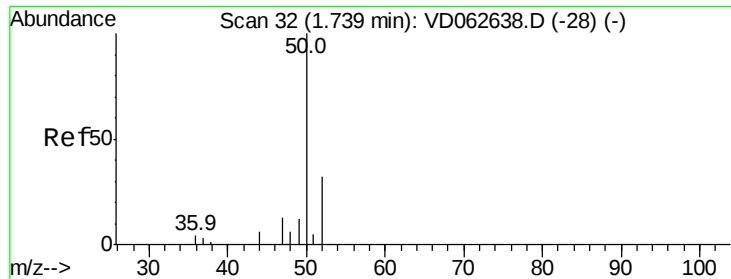
85 100

87 29.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): V

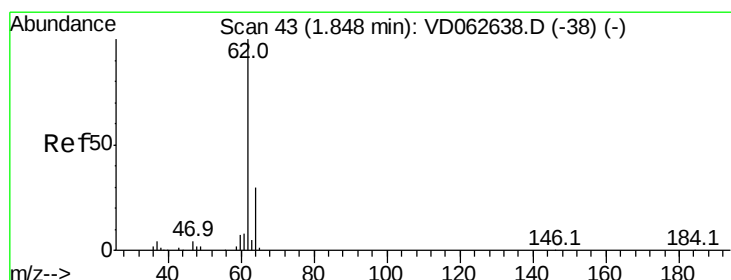
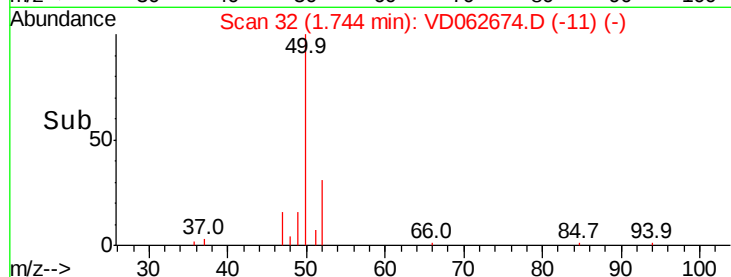
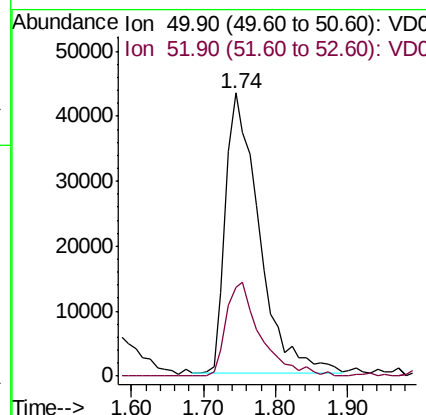
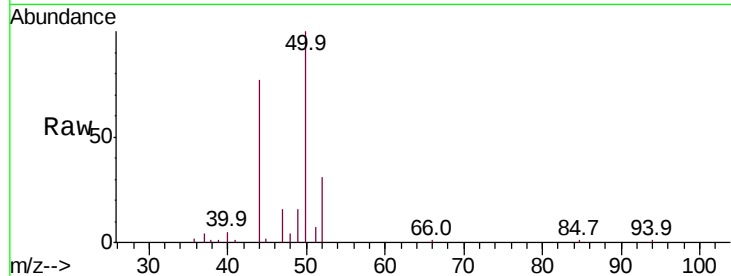




#3
Chloromethane
Concen: 17.941 ug/l
RT: 1.74 min Scan# 32
Delta R.T. 0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

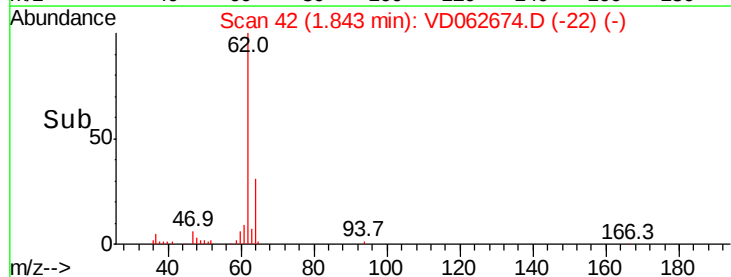
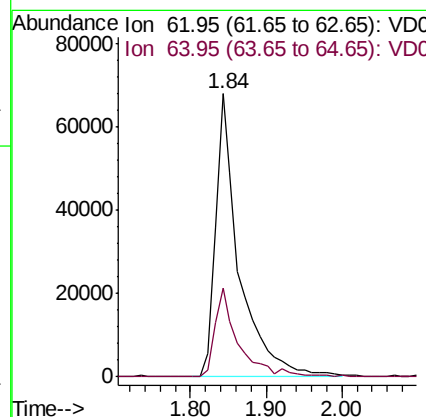
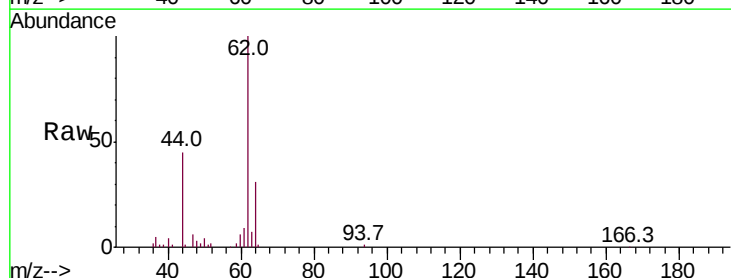
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

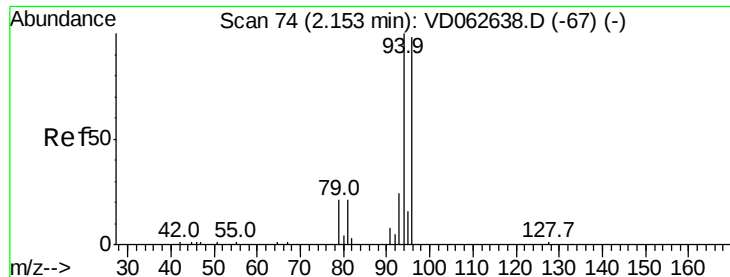
Tot Ion: 50 Resp: 140584
Ion Ratio Lower Upper
50 100
52 31.3 25.8 38.8



#4
Vinyl Chloride
Concen: 18.315 ug/l
RT: 1.84 min Scan# 42
Delta R.T. -0.01 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion: 62 Resp: 147989
Ion Ratio Lower Upper
62 100
64 31.5 24.2 36.4





#5

Bromomethane

Concen: 14.135 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

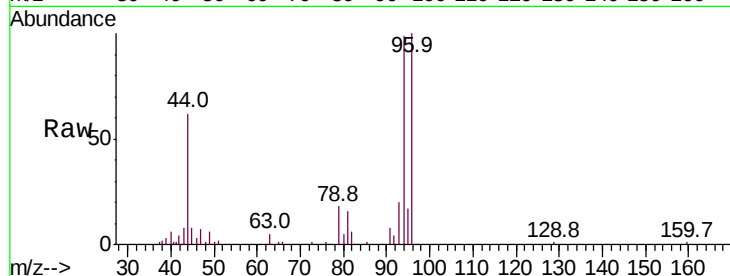
Tot Ion: 94 Resp: 57654

Ion Ratio Lower Upper

94 100

96 101.1 78.1 117.1

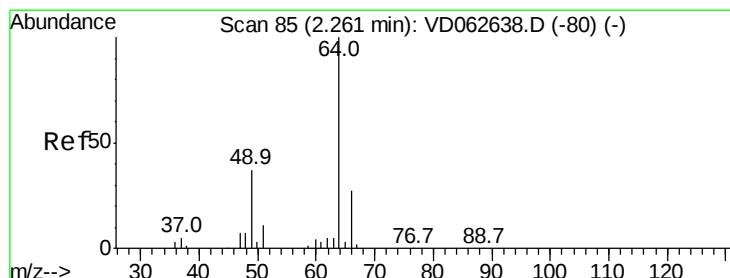
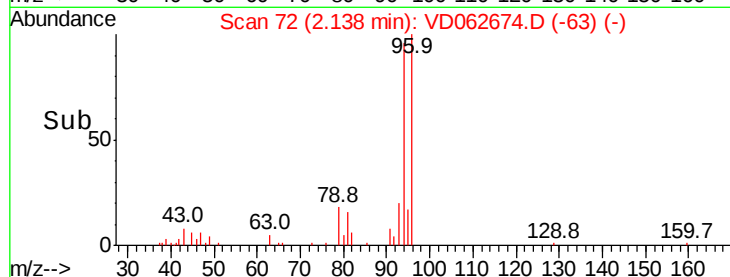
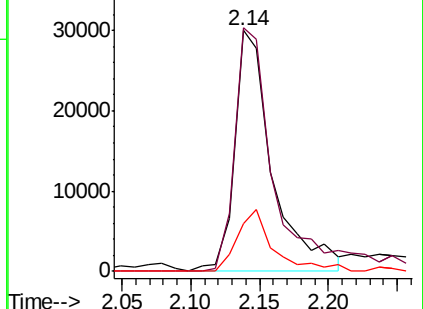
93 20.1 19.6 29.4



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: 17.394 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD062674.D

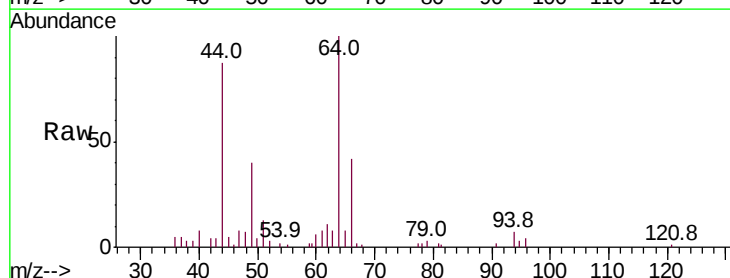
Acq: 12 Jun 2019 15:14

Tgt Ion: 64 Resp: 69391

Ion Ratio Lower Upper

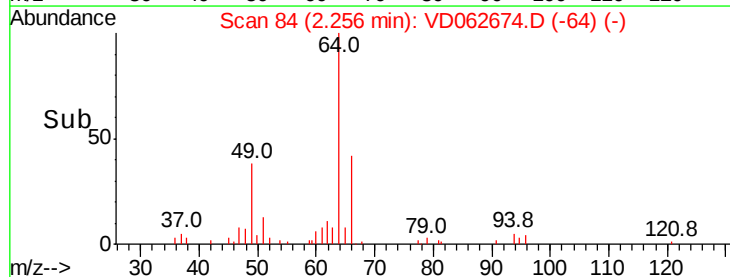
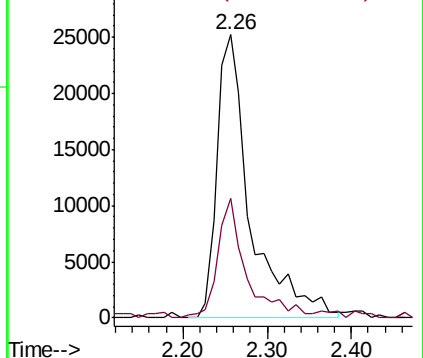
64 100

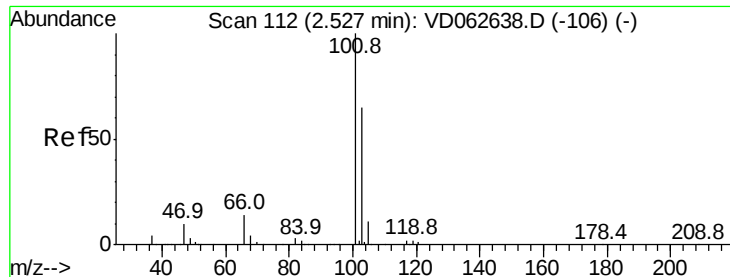
66 42.2 21.9 32.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



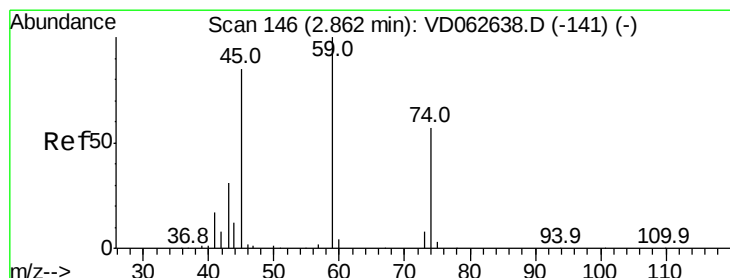
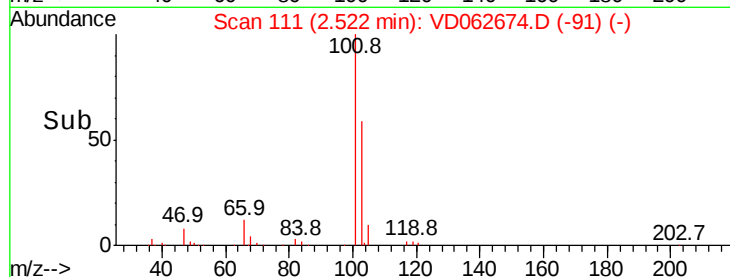
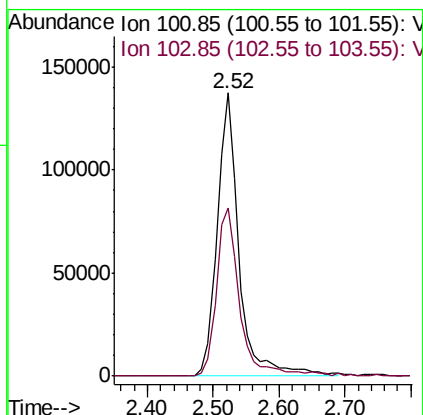
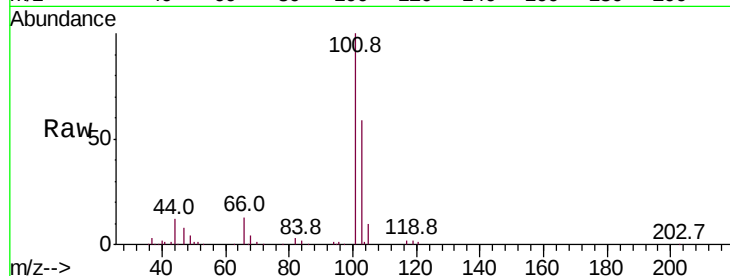


#7

Trichlorofluoromethane
Concen: 17.423 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

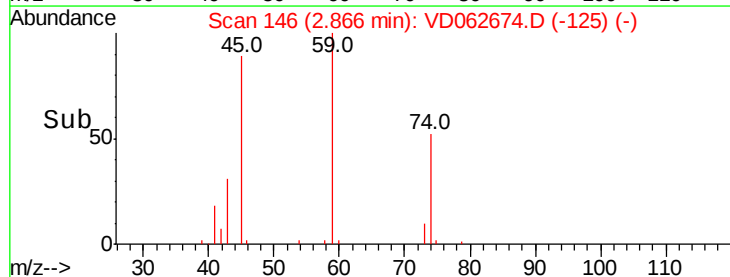
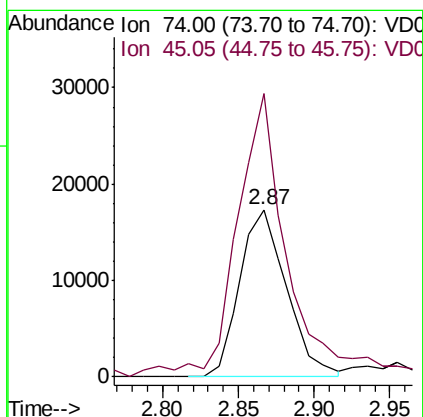
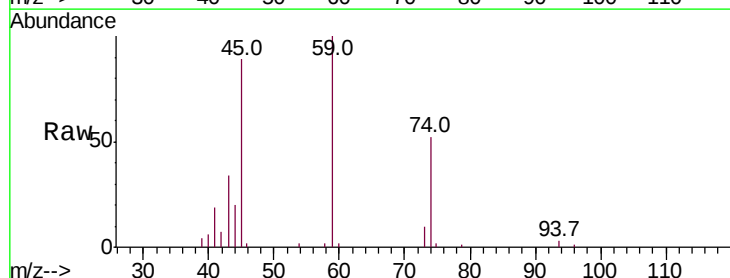
Tot Ion:101 Resp: 315121
Ion Ratio Lower Upper
101 100
103 59.4 52.2 78.2

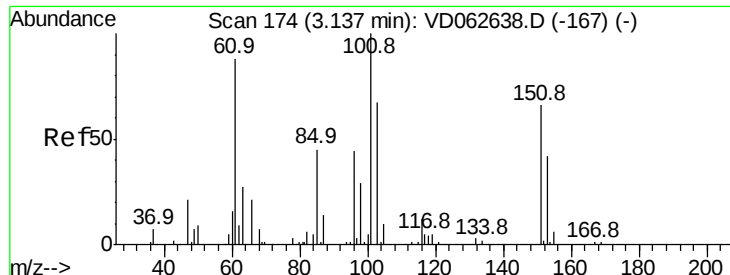


#8

Diethyl Ether
Concen: 15.167 ug/l
RT: 2.87 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion: 74 Resp: 37309
Ion Ratio Lower Upper
74 100
45 169.4 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.597 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

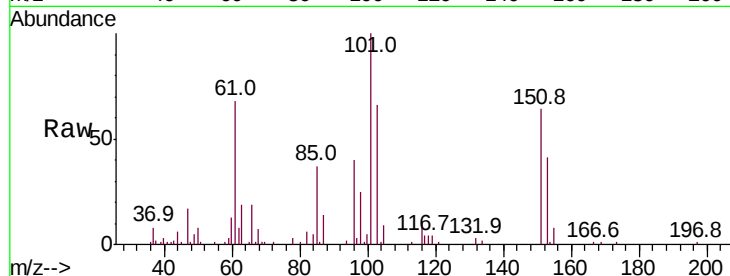
Tot Ion:101 Resp: 171638

Ion Ratio Lower Upper

101 100

85 36.6 36.0 54.0

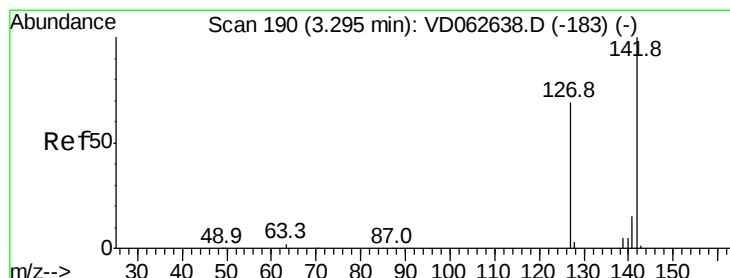
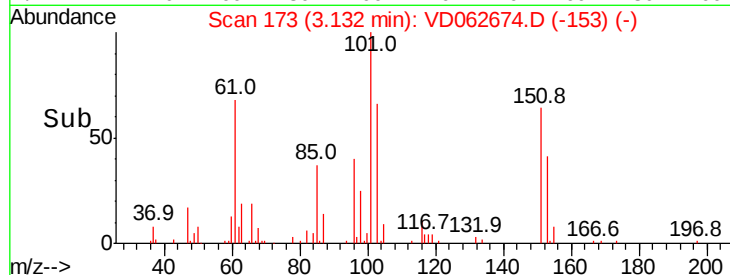
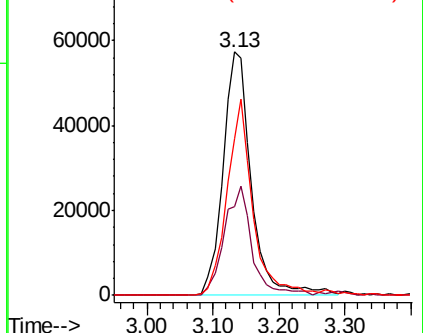
151 64.2 52.6 79.0



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: 15.340 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

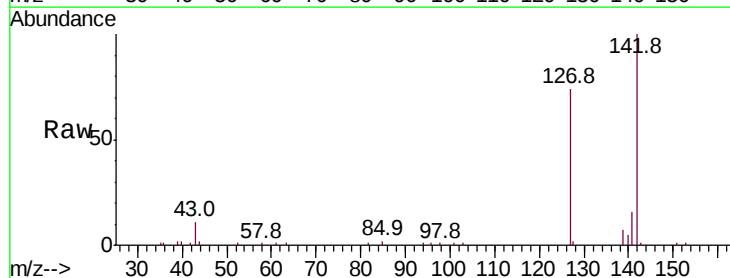
Tgt Ion:142 Resp: 174427

Ion Ratio Lower Upper

142 100

127 73.8 55.2 82.8

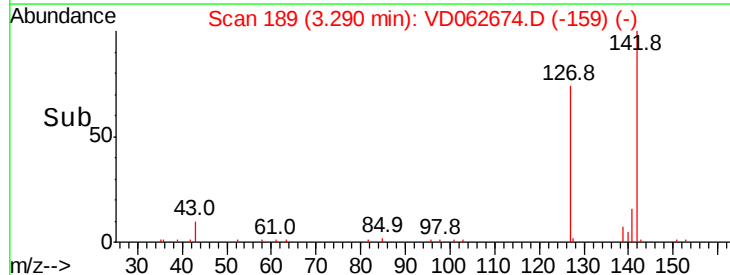
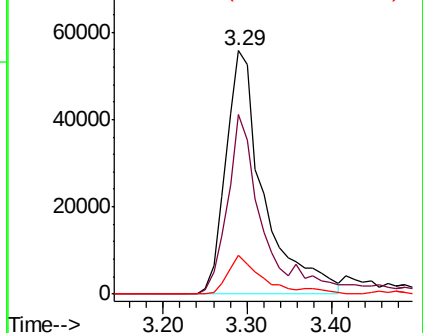
141 15.9 12.1 18.1

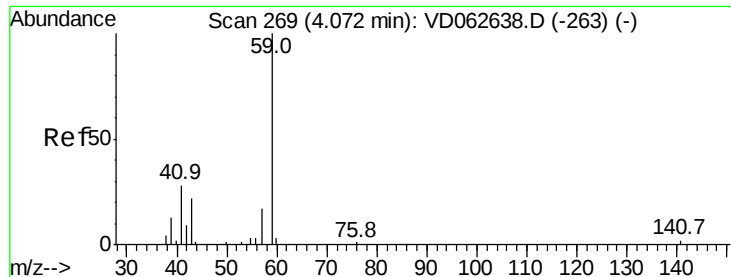


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



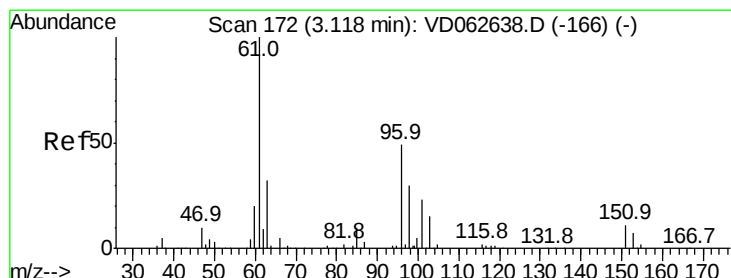
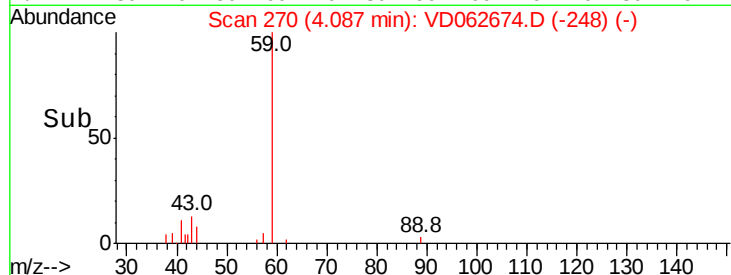
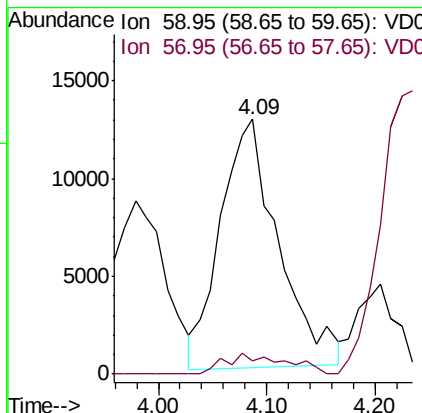
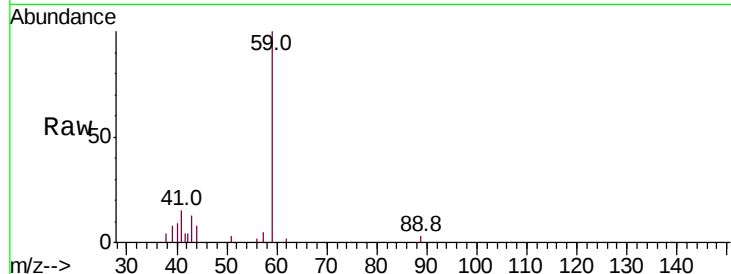


#11

Tert butyl alcohol
Concen: 100.534 ug/l
RT: 4.09 min Scan# 270
Delta R.T. 0.01 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

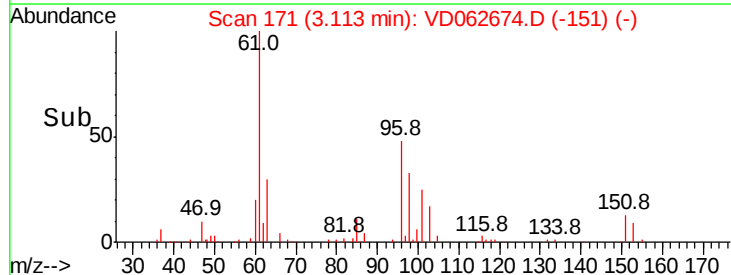
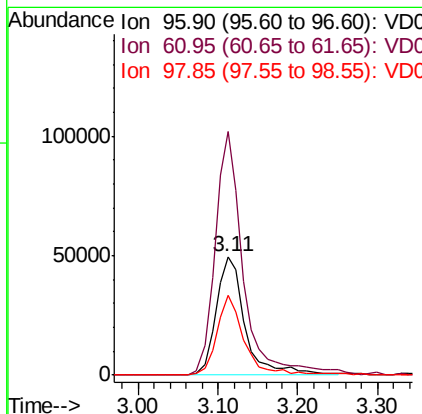
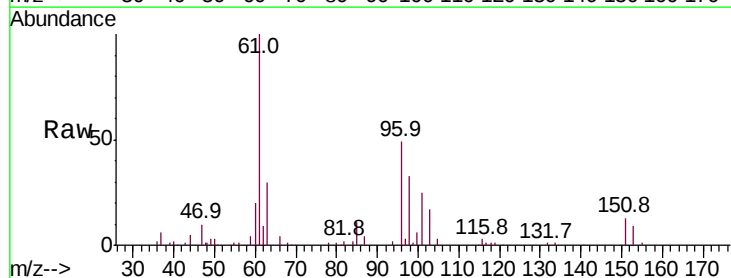
Tot Ion: 59 Resp: 47225
Ion Ratio Lower Upper
59 100
57 5.3 13.7 20.5#

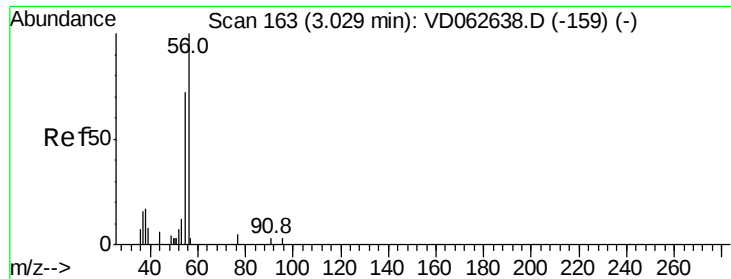


#12

1,1-Dichloroethene
Concen: 18.179 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion: 96 Resp: 127247
Ion Ratio Lower Upper
96 100
61 206.1 161.8 242.8
98 67.7 48.2 72.4





#13

Acrolein

Concen: 99.304 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

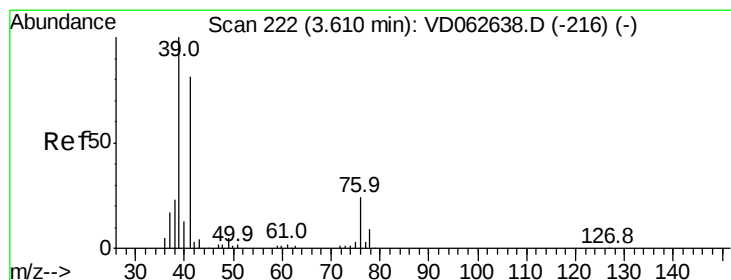
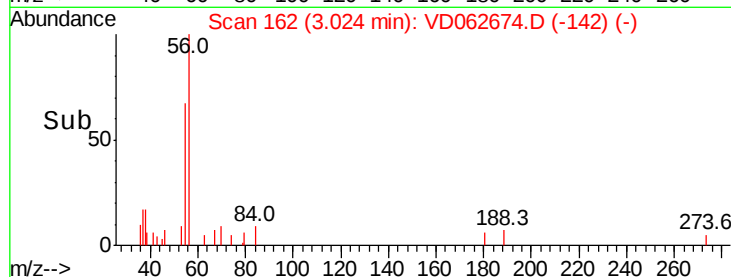
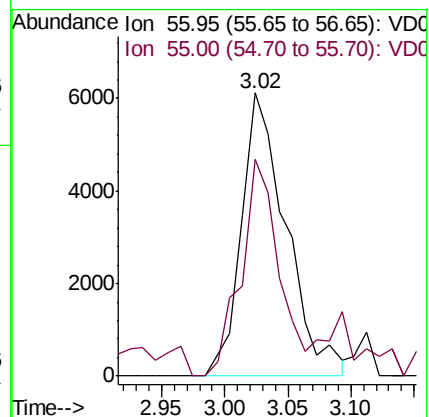
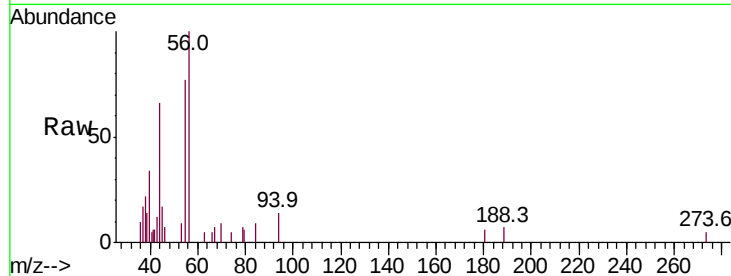
VD0612SBS01

Tot Ion: 56 Resp: 15005

Ion Ratio Lower Upper

56 100

55 76.7 59.4 89.0



#14

Allyl chloride

Concen: 18.359 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

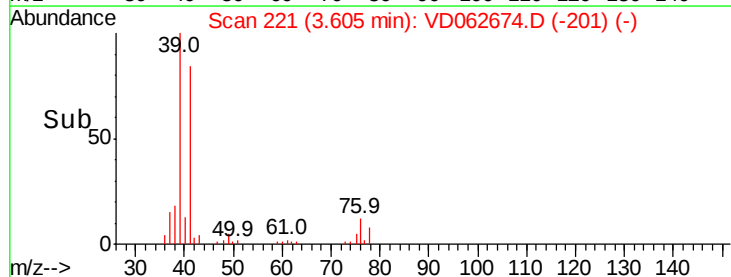
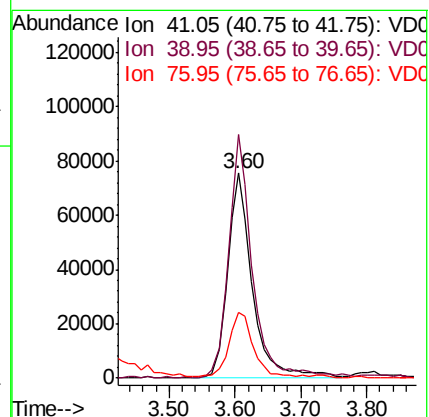
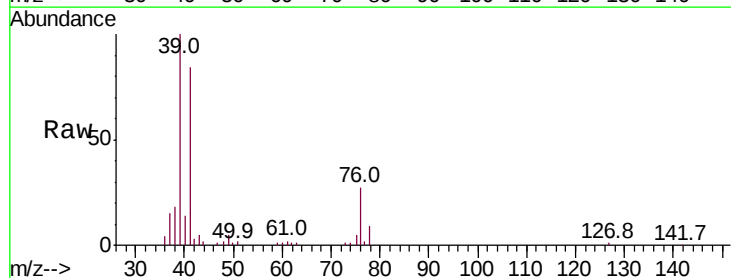
Tgt Ion: 41 Resp: 197592

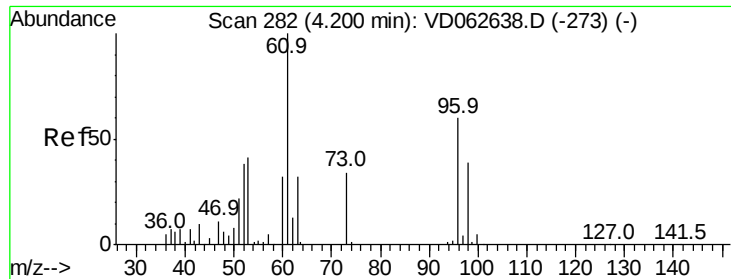
Ion Ratio Lower Upper

41 100

39 118.9 99.1 148.7

76 31.8 25.0 37.6





#15

Acrylonitrile

Concen: 89.953 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

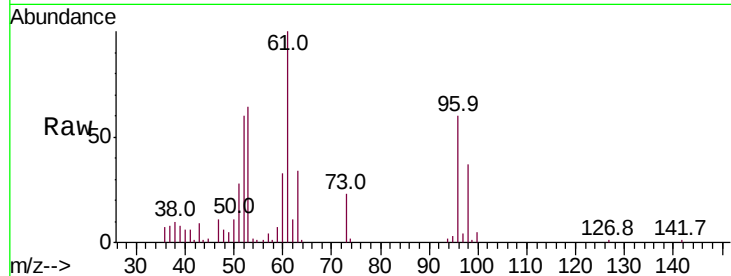
Tot Ion: 53 Resp: 96020

Ion Ratio Lower Upper

53 100

52 93.8 73.6 110.4

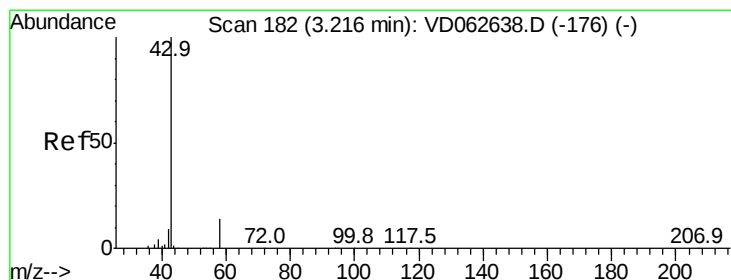
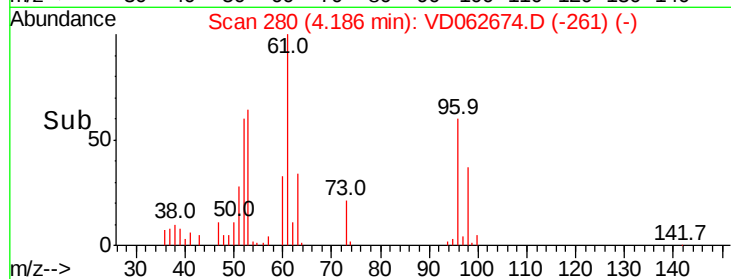
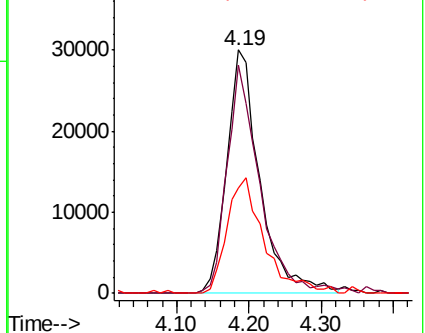
51 43.1 42.0 63.0



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: 89.976 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062674.D

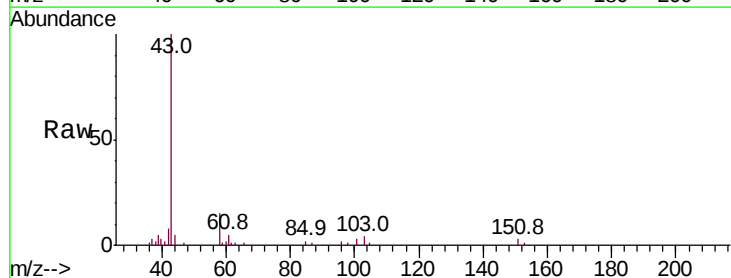
Acq: 12 Jun 2019 15:14

Tgt Ion: 43 Resp: 188286

Ion Ratio Lower Upper

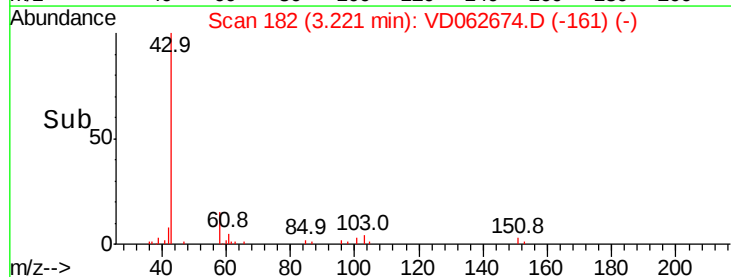
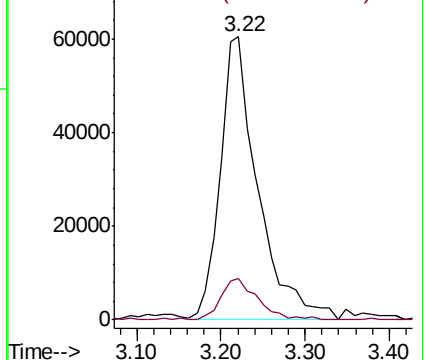
43 100

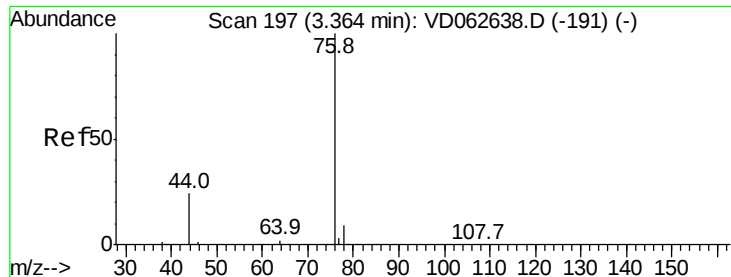
58 14.6 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 16.486 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

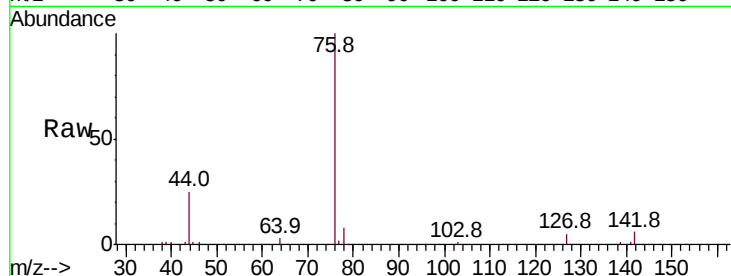
VD0612SBSD01

Tot Ion: 76 Resp: 340057

Ion Ratio Lower Upper

76 100

78 8.1 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

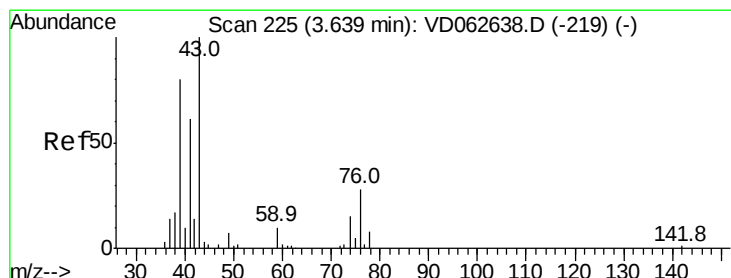
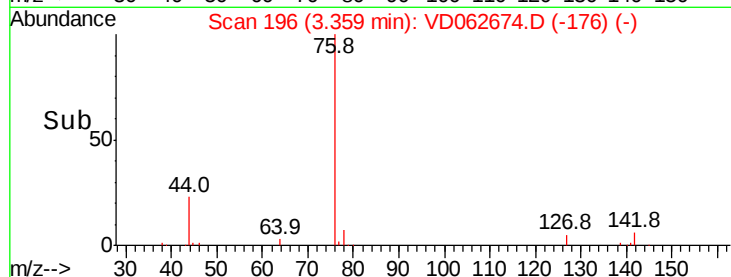
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.354 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD062674.D

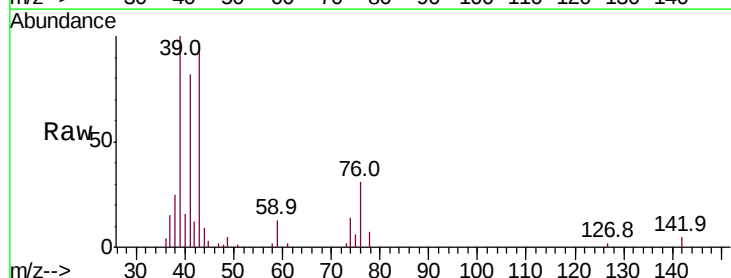
Acq: 12 Jun 2019 15:14

Tgt Ion: 43 Resp: 63121

Ion Ratio Lower Upper

43 100

74 15.0 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.63

25000

20000

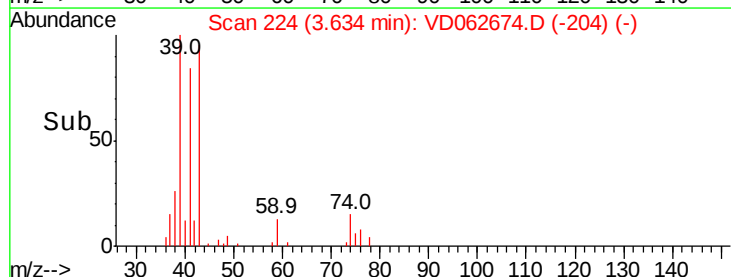
15000

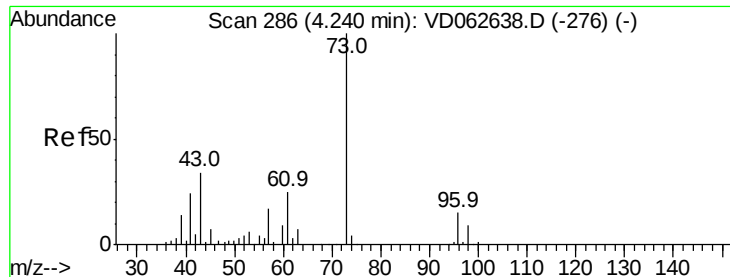
10000

5000

0

Time-->



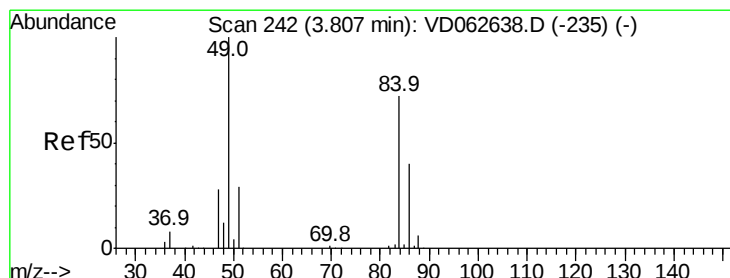
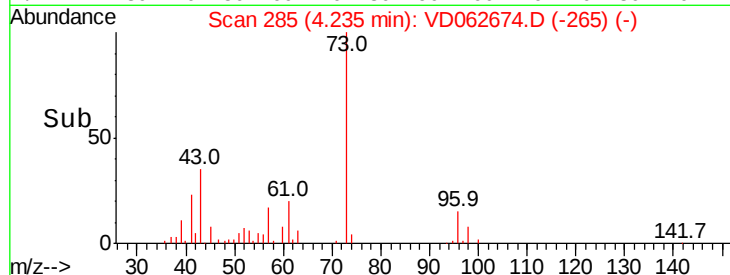
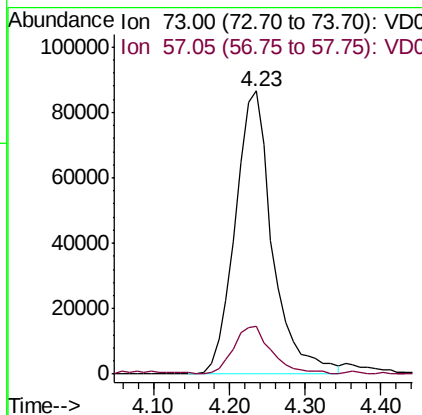
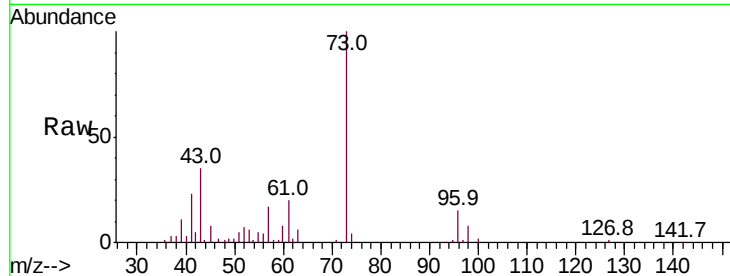


#19

Methyl tert-butyl Ether
 Concen: 17.313 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.00 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

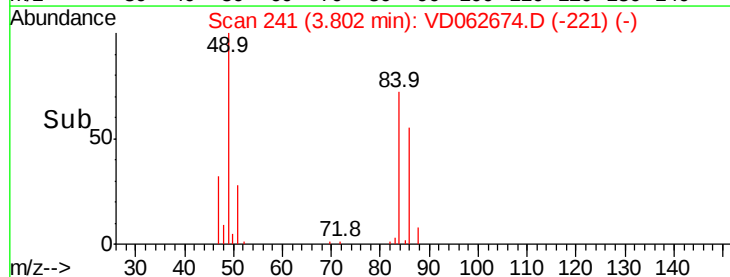
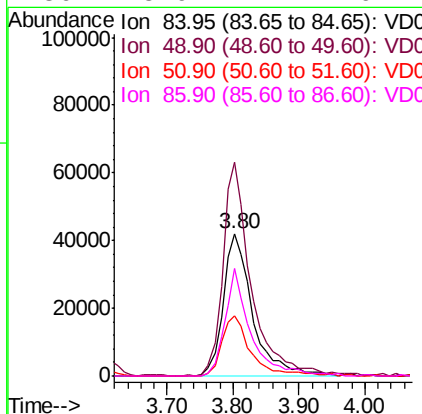
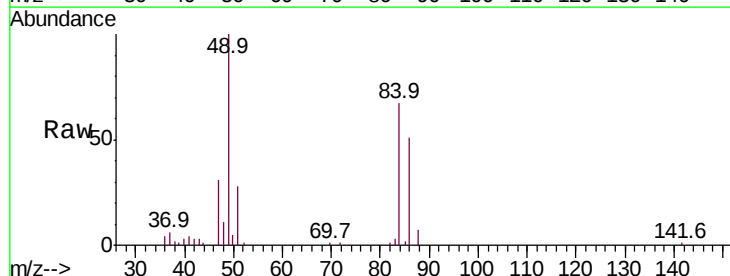
Tot Ion: 73 Resp: 295574
 Ion Ratio Lower Upper
 73 100
 57 16.7 13.5 20.3

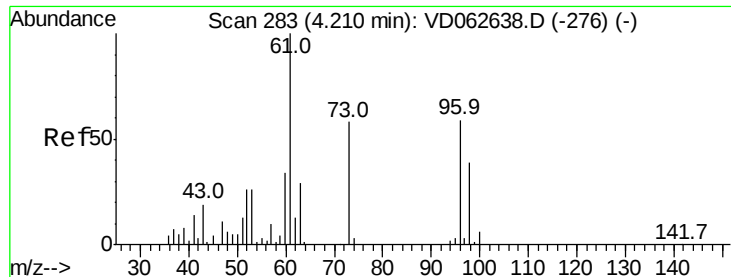


#20

Methylene Chloride
 Concen: 16.234 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

Tgt Ion: 84 Resp: 130715
 Ion Ratio Lower Upper
 84 100
 49 150.0 111.2 166.8
 51 42.3 31.9 47.9
 86 75.9 44.7 67.1#





#21

trans-1,2-Dichloroethene

Concen: 17.772 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

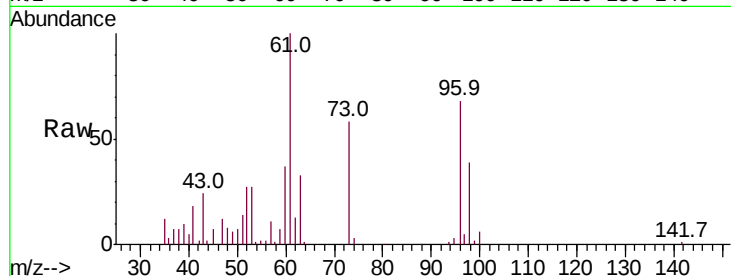
Tot Ion: 96 Resp: 136460

Ion Ratio Lower Upper

96 100

61 147.8 134.6 201.8

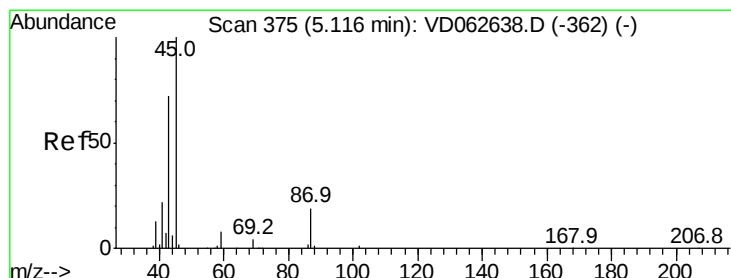
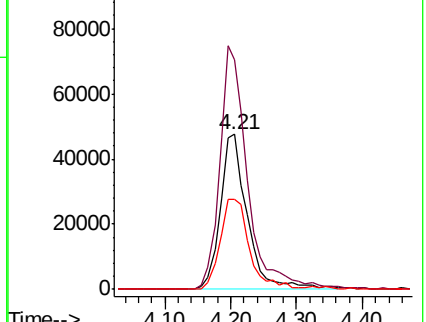
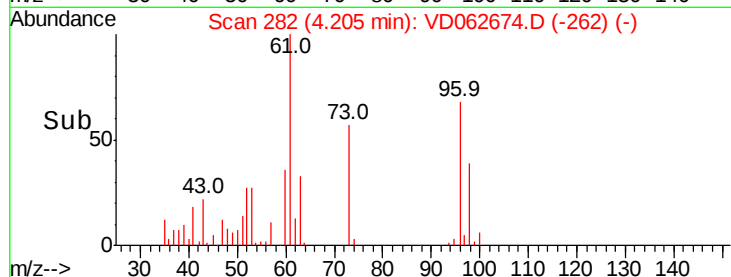
98 57.9 51.8 77.8



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: 18.147 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Tgt Ion: 45 Resp: 405549

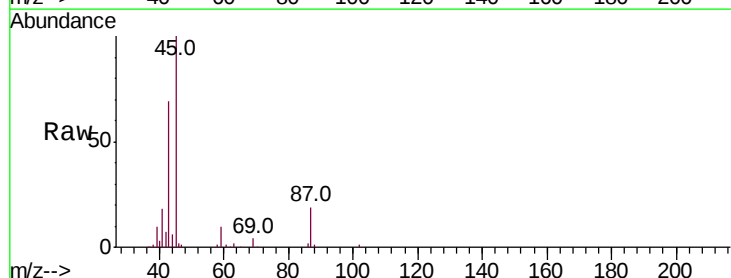
Ion Ratio Lower Upper

45 100

43 69.0 58.8 88.2

87 18.6 15.7 23.5

59 10.1 6.6 9.8#

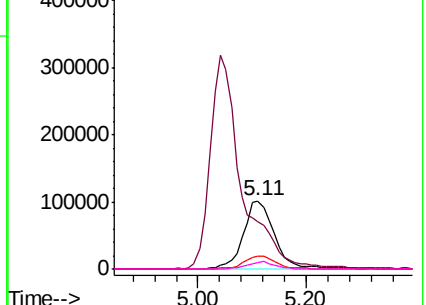
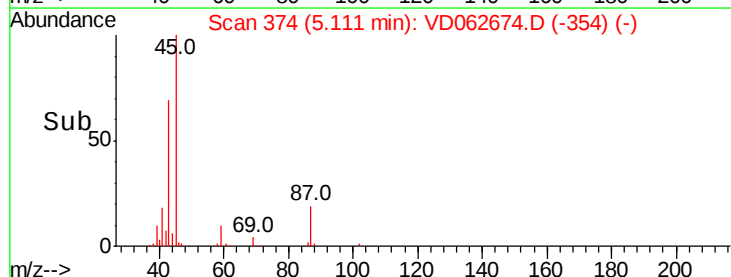


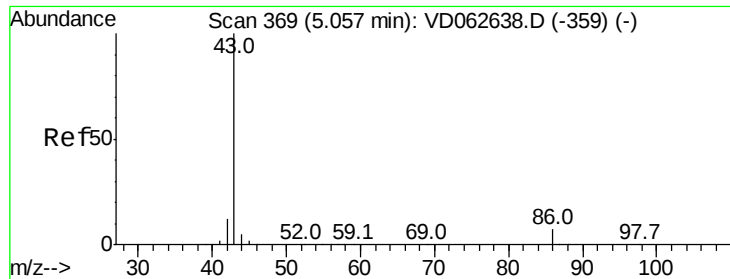
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

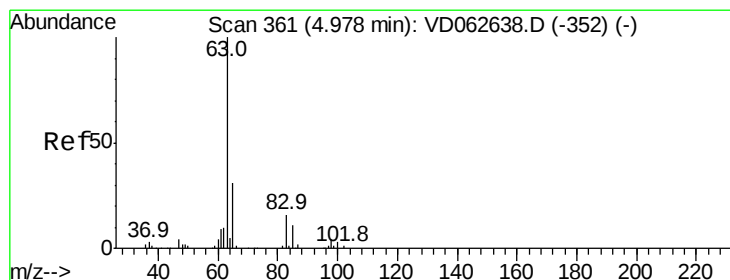
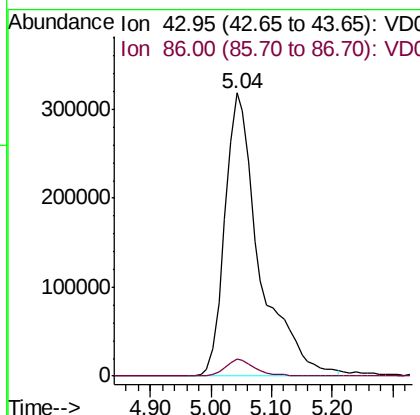
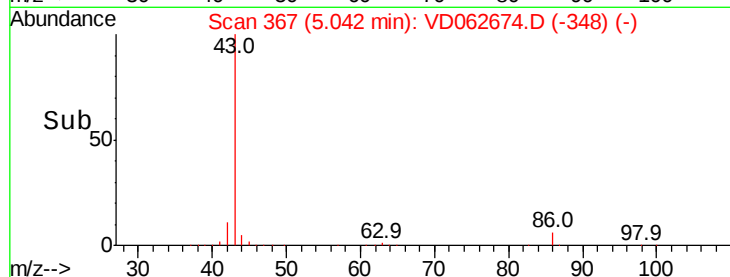
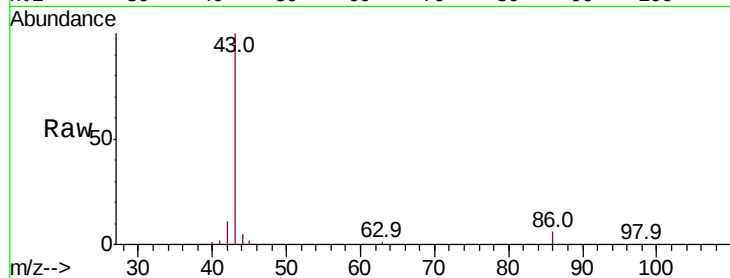




#23
 Vinyl Acetate
 Concen: 91.623 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

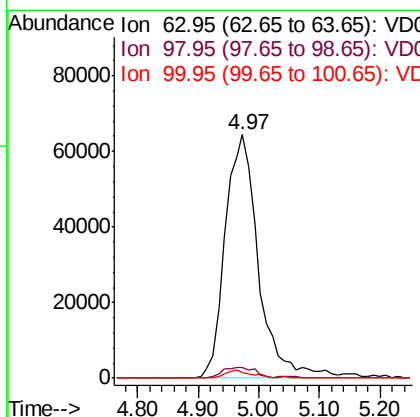
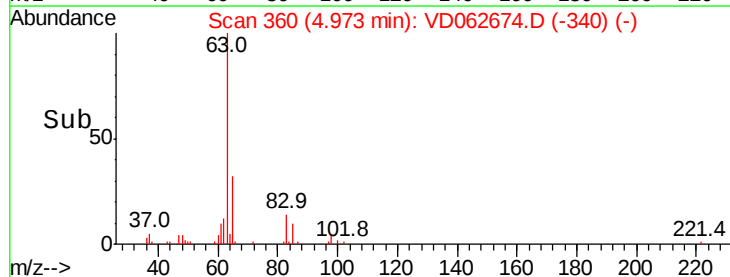
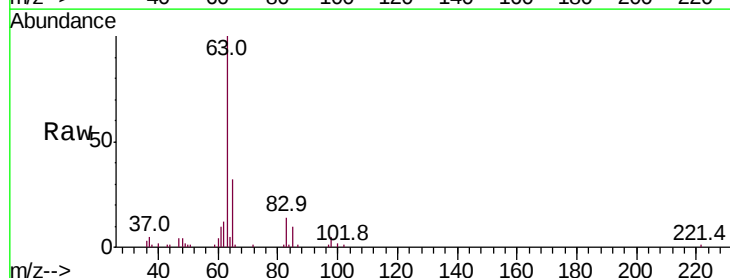
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

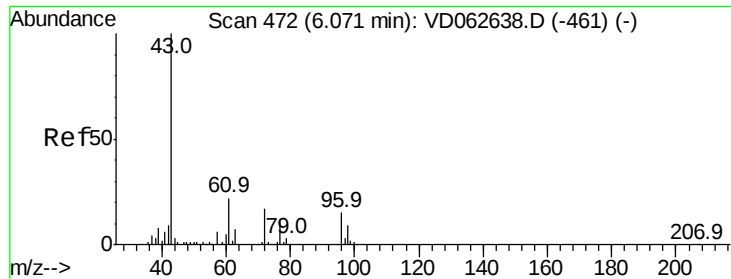
Tot Ion: 43 Resp: 1270291
 Ion Ratio Lower Upper
 43 100
 86 6.1 5.3 7.9



#24
 1,1-Dichloroethane
 Concen: 17.098 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

Tgt Ion: 63 Resp: 245808
 Ion Ratio Lower Upper
 63 100
 98 4.6 1.8 5.4
 100 2.2 1.5 4.4





#25

2-Butanone

Concen: 88.072 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

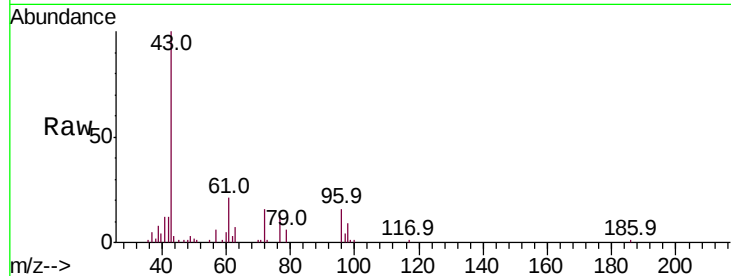
VD0612SBSD01

Tot Ion: 43 Resp: 179801

Ion Ratio Lower Upper

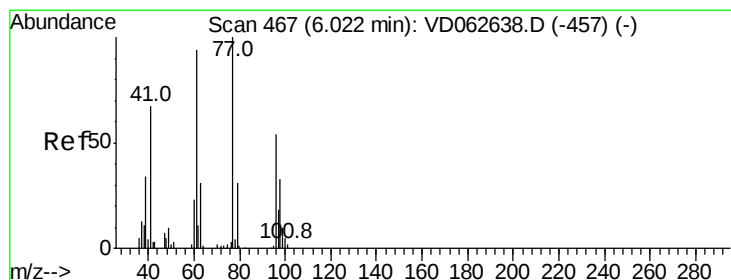
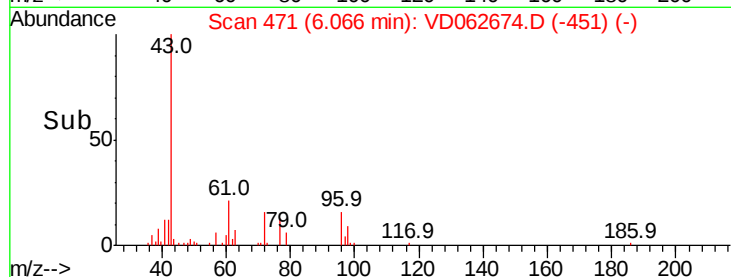
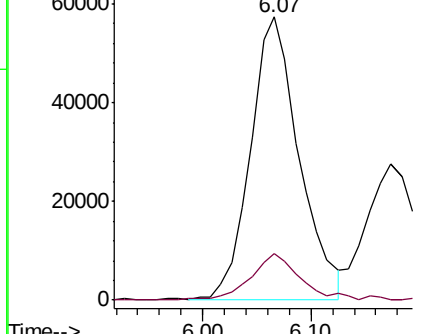
43 100

72 16.5 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: 17.975 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD062674.D

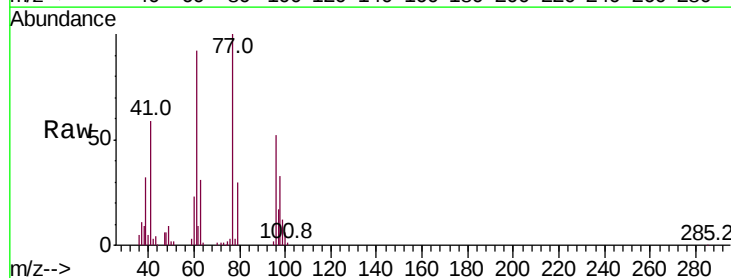
Acq: 12 Jun 2019 15:14

Tgt Ion: 77 Resp: 297836

Ion Ratio Lower Upper

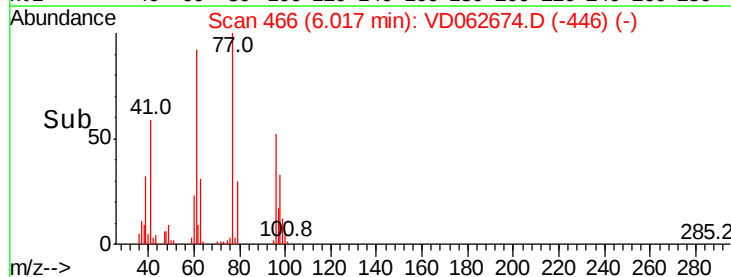
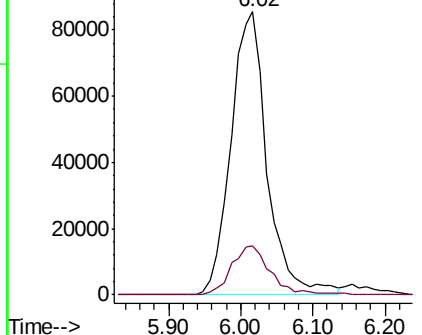
77 100

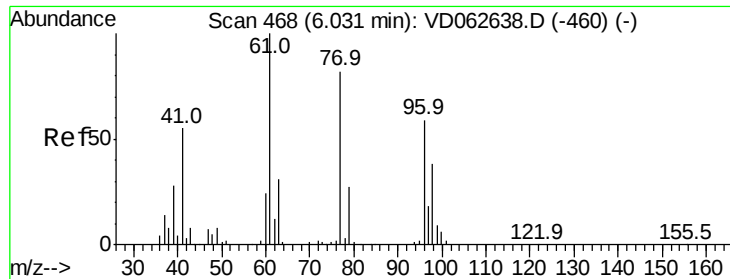
97 17.3 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



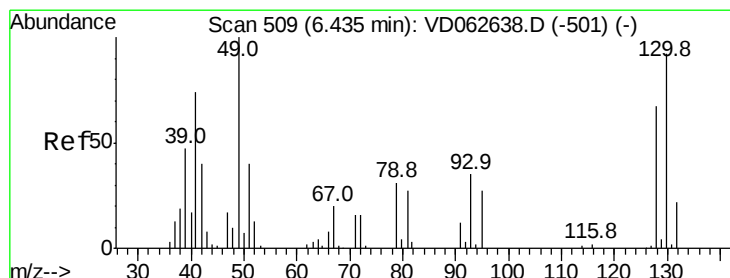
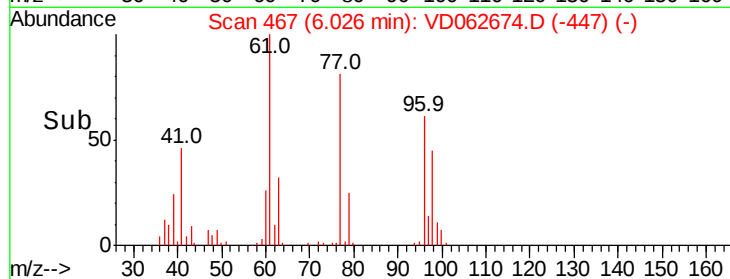
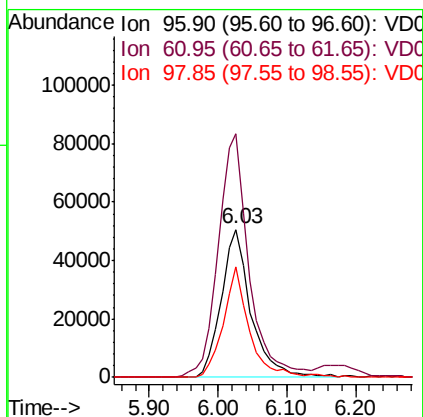
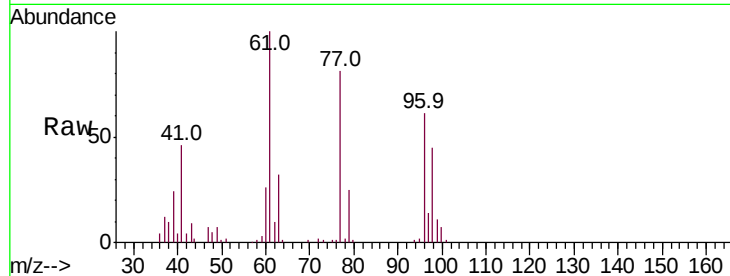


#27

cis-1,2-Dichloroethene
Concen: 18.154 ug/l
RT: 6.03 min Scan# 467
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

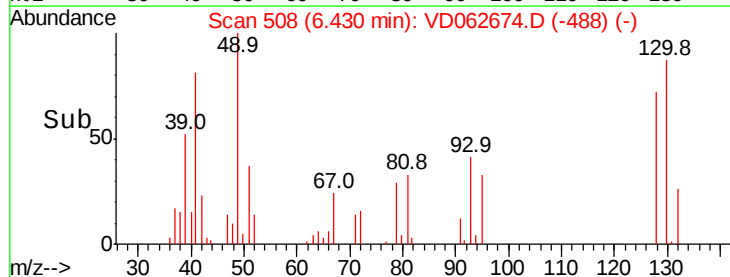
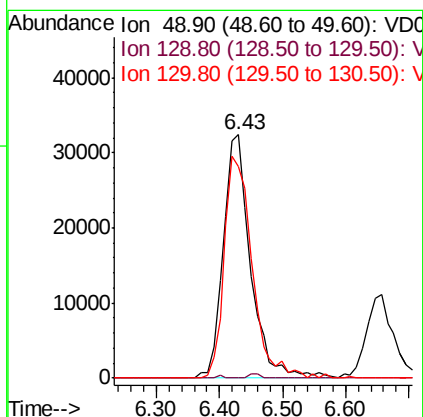
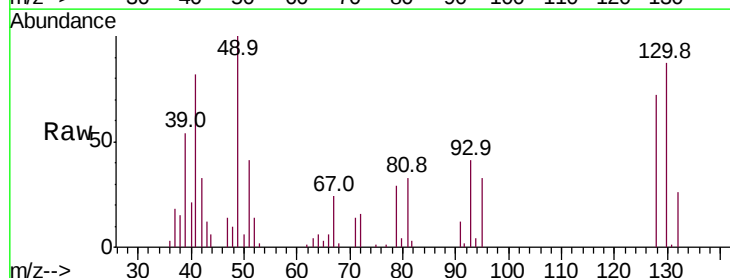
Tot Ion: 96 Resp: 151108
Ion Ratio Lower Upper
96 100
61 164.7 0.0 340.0
98 74.3 0.0 127.6

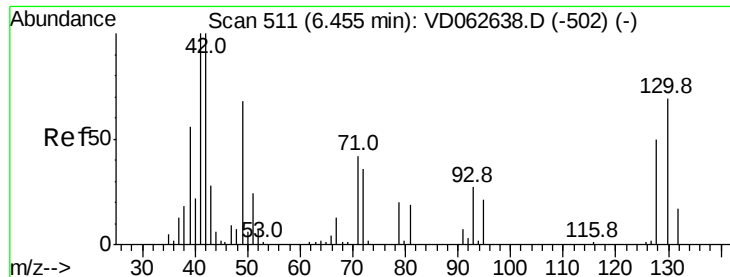


#28

Bromochloromethane
Concen: 17.661 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion: 49 Resp: 97062
Ion Ratio Lower Upper
49 100
129 0.0 0.0 8.2
130 87.0 73.4 110.0





#29

Tetrahydrofuran

Concen: 86.672 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

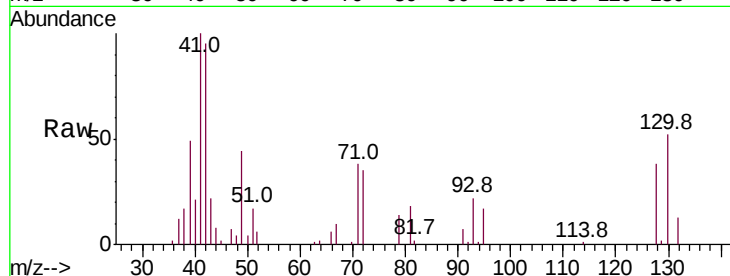
Tot Ion: 42 Resp: 79683

Ion Ratio Lower Upper

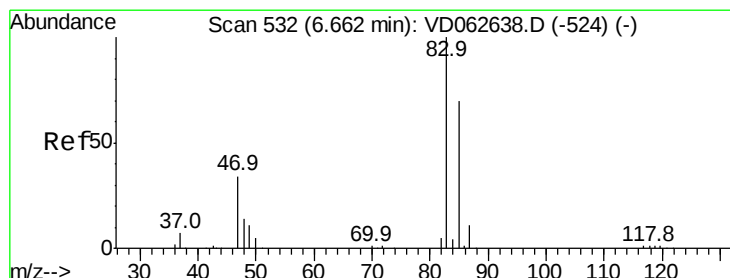
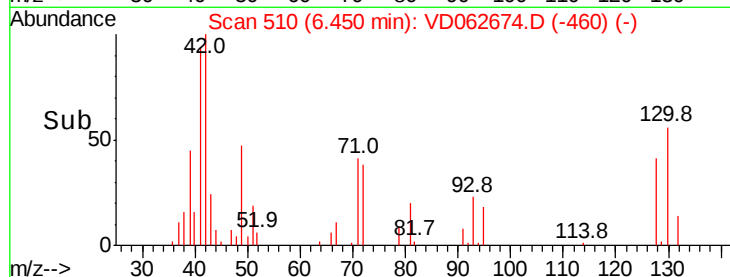
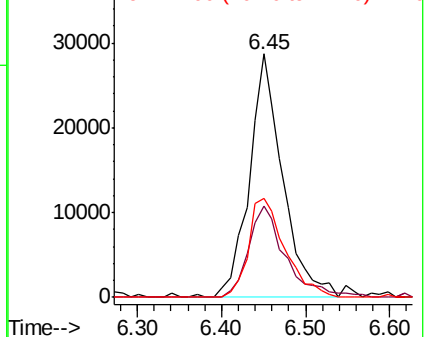
42 100

72 41.3 33.8 50.6

71 44.3 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: 17.018 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD062674.D

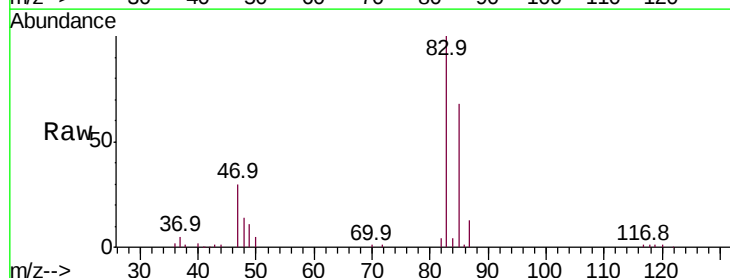
Acq: 12 Jun 2019 15:14

Tgt Ion: 83 Resp: 313914

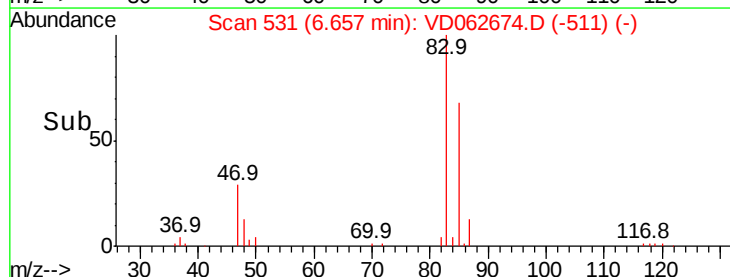
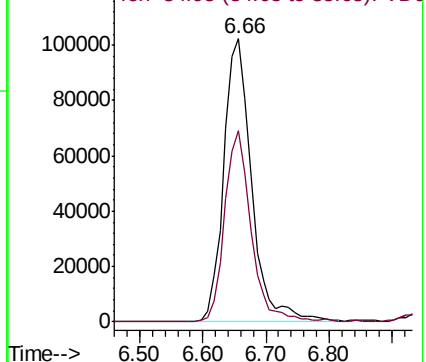
Ion Ratio Lower Upper

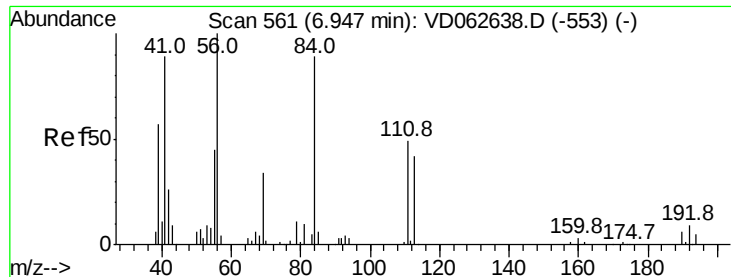
83 100

85 67.7 55.8 83.6



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

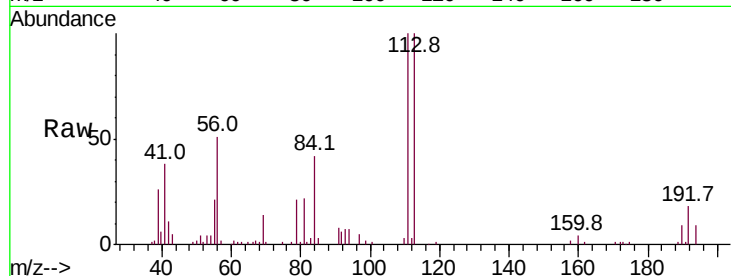




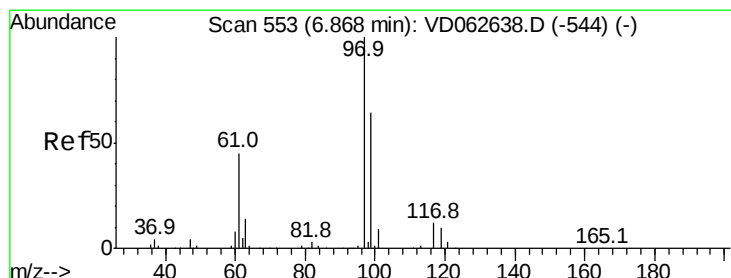
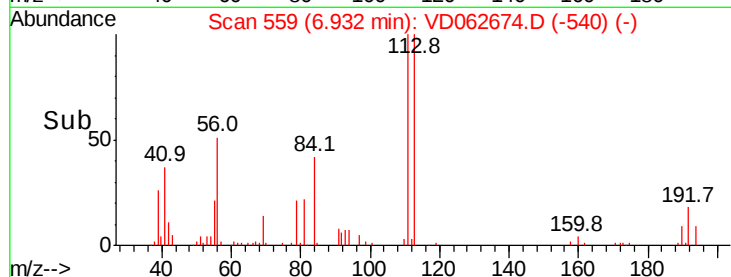
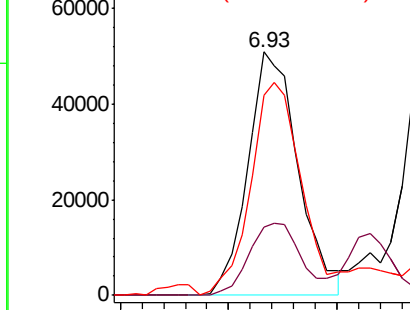
#31
Cvclohexane
Concen: 18.330 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion: 56 Resp: 165311
Ion Ratio Lower Upper
56 100
69 27.9 26.8 40.2
84 82.1 73.9 110.9

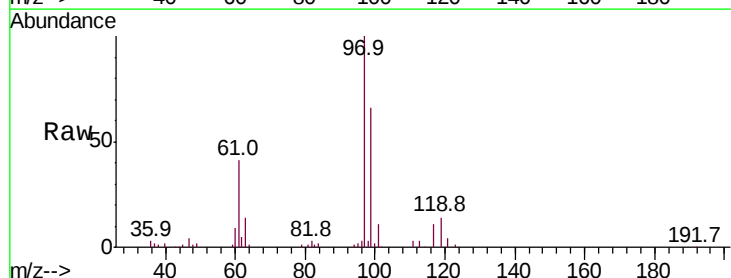


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

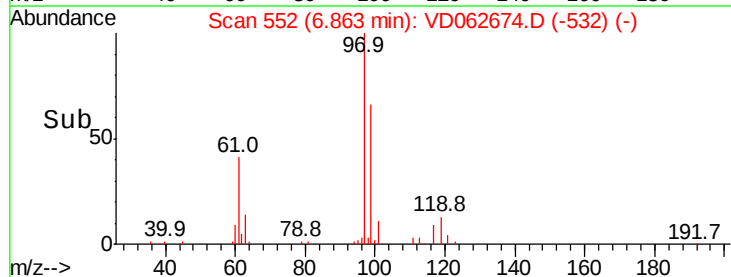
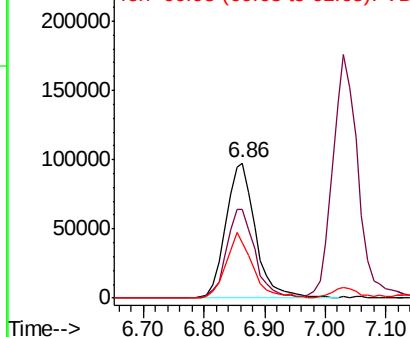


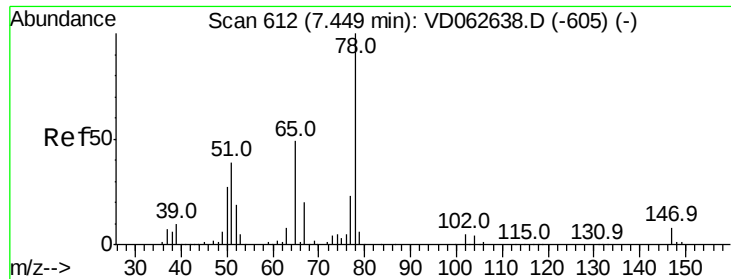
#32
1,1,1-Trichloroethane
Concen: 17.992 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion: 97 Resp: 330225
Ion Ratio Lower Upper
97 100
99 65.9 51.4 77.0
61 40.9 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

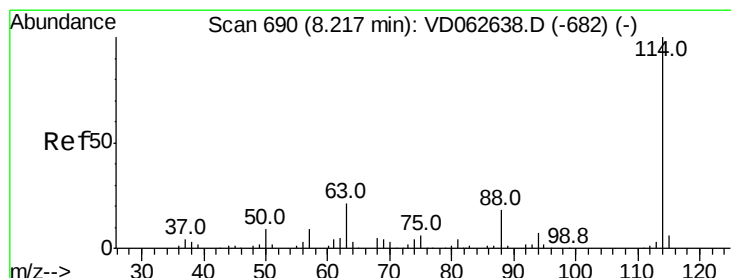
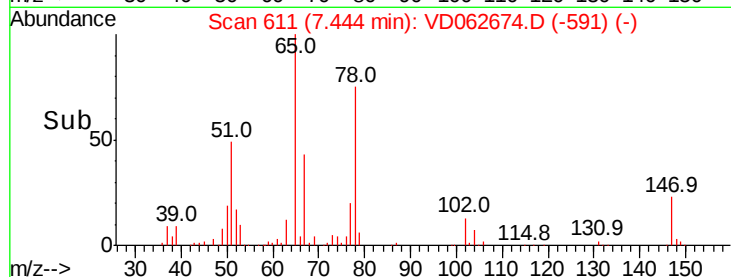
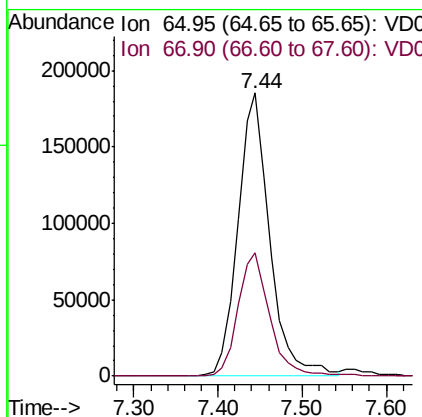
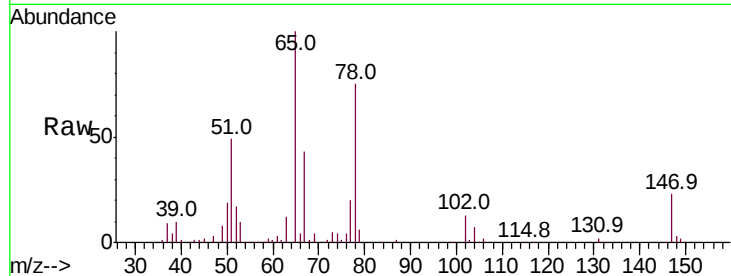




#33
 1,2-Dichloroethane-d4
 Concen: 42.482 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

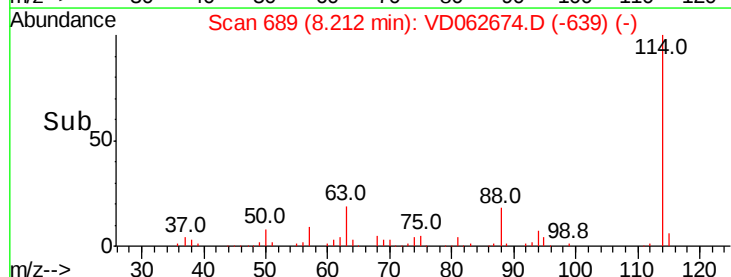
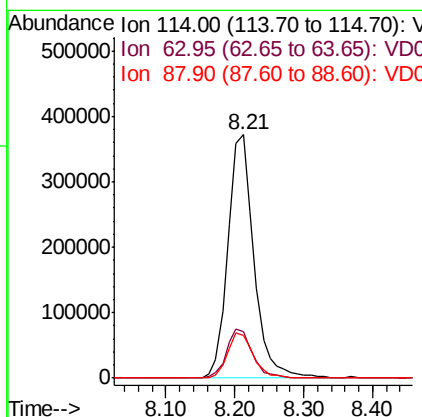
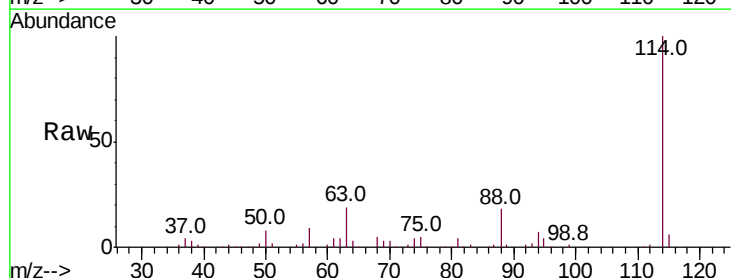
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

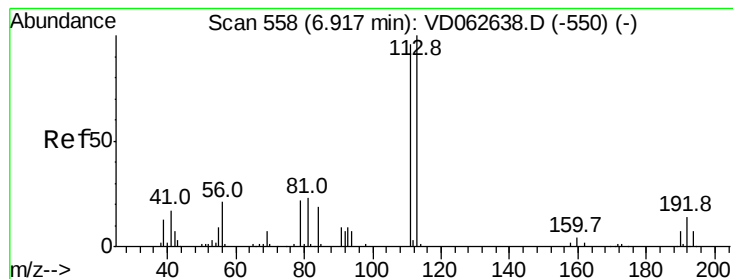
Tot Ion: 65 Resp: 485482
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

Tgt Ion: 114 Resp: 972118
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.4
 88 17.5 0.0 36.8





#35

Dibromofluoromethane

Concen: 49.707 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

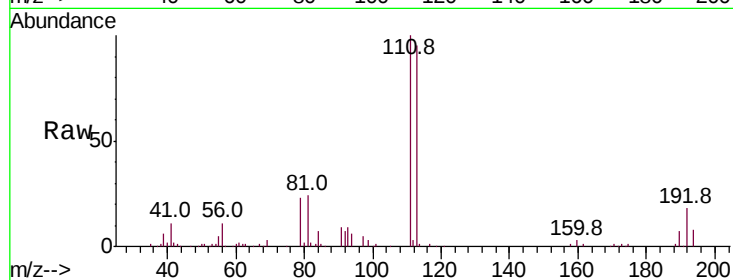
Tot Ion:113 Resp: 509613

Ion Ratio Lower Upper

113 100

111 104.9 76.4 114.6

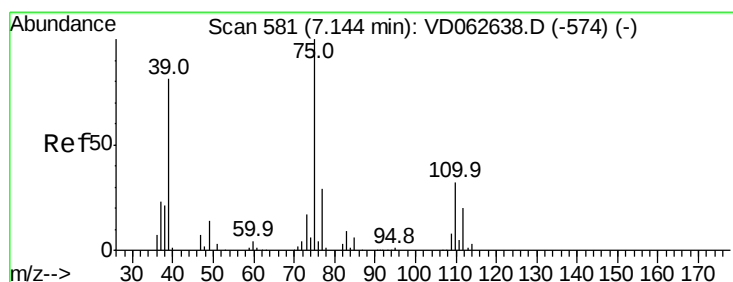
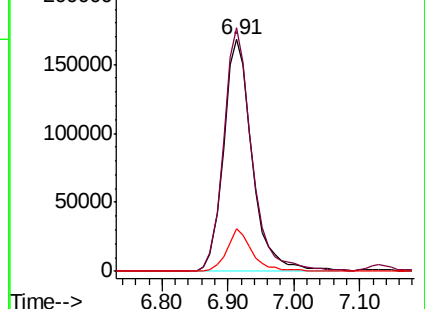
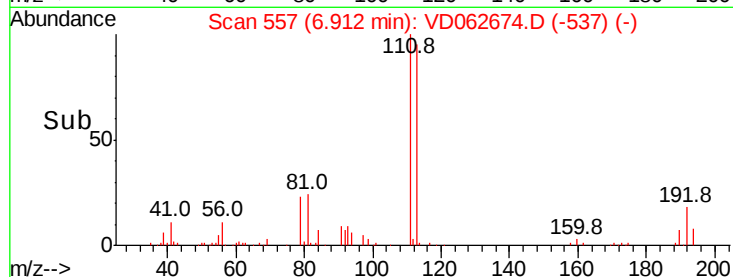
192 18.4 11.4 17.0#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 18.319 ug/l

RT: 7.13 min Scan# 579

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

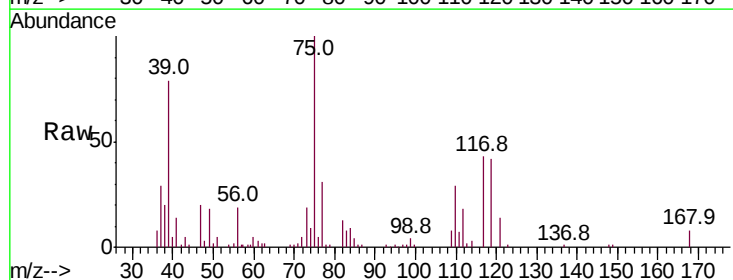
Tgt Ion: 75 Resp: 203813

Ion Ratio Lower Upper

75 100

110 29.3 15.9 47.7

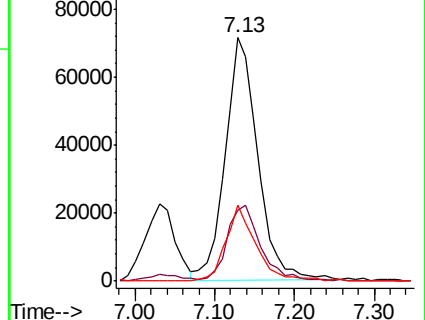
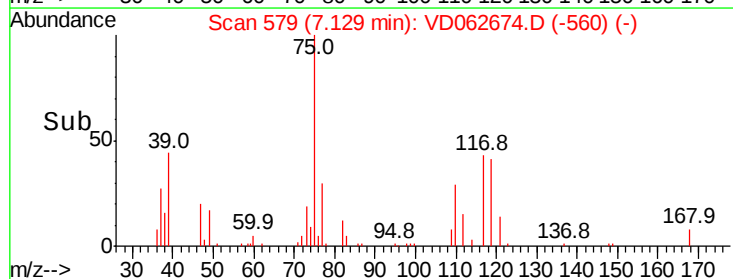
77 30.9 23.3 34.9

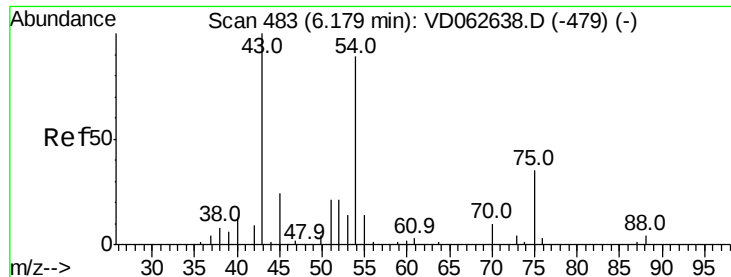


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

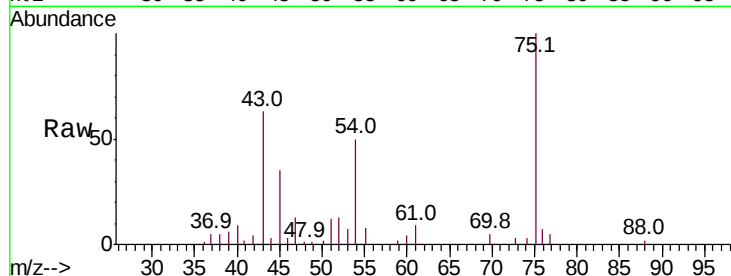




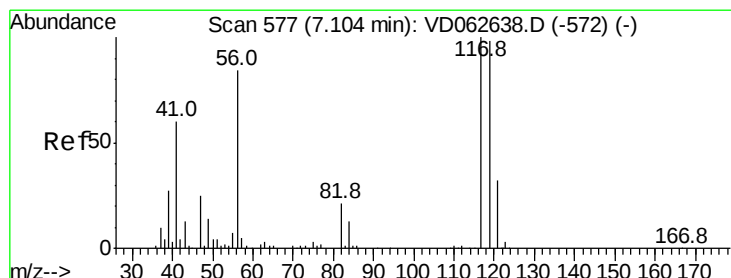
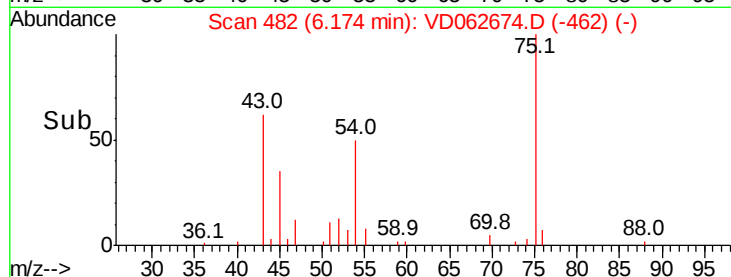
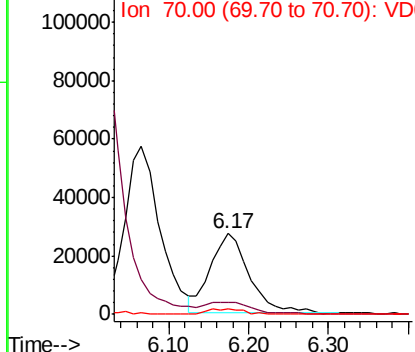
#37
Ethyl Acetate
Concen: 20.490 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBS01

Tot Ion: 43 Resp: 93755
Ion Ratio Lower Upper
43 100
61 15.1 8.7 13.1#
70 7.5 6.5 9.7

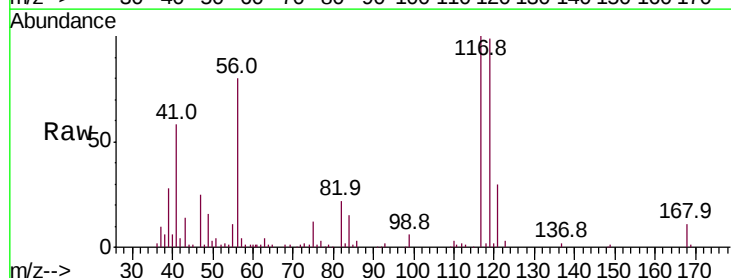


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

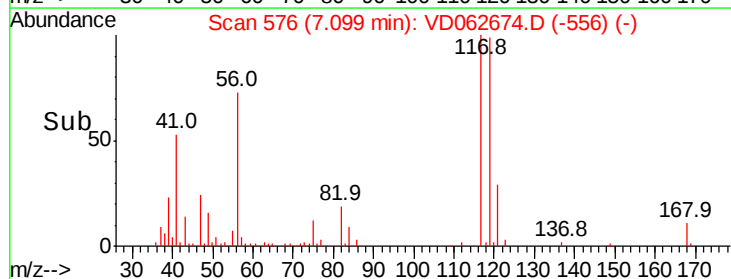
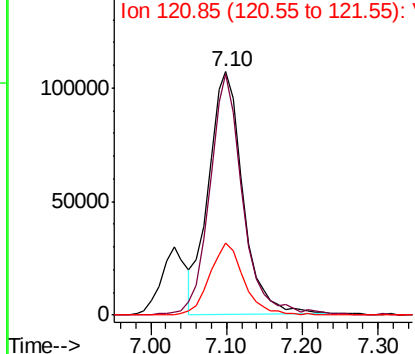


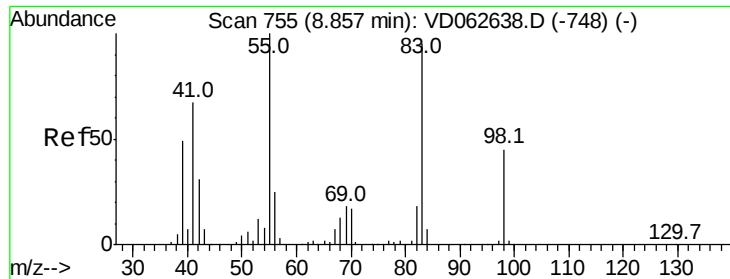
#38
Carbon Tetrachloride
Concen: 19.201 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion: 117 Resp: 337658
Ion Ratio Lower Upper
117 100
119 99.0 73.5 110.3
121 29.8 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

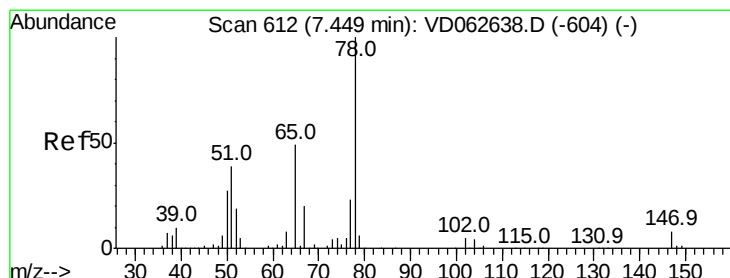
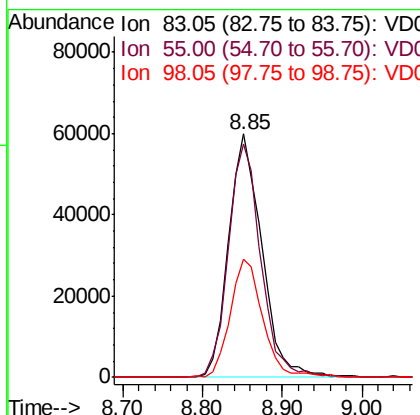
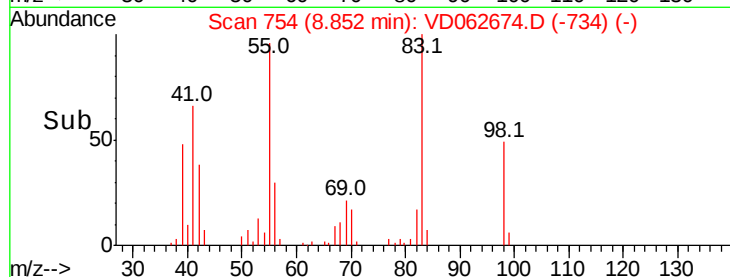
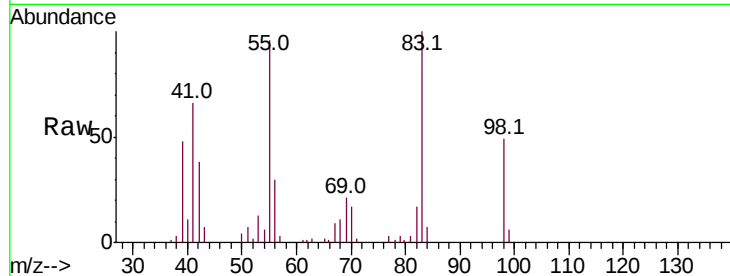




#39
Methvlcvclohexane
Concen: 19.312 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

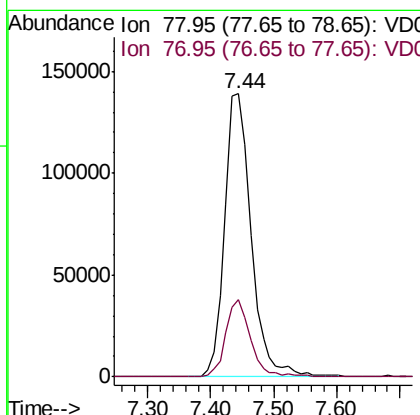
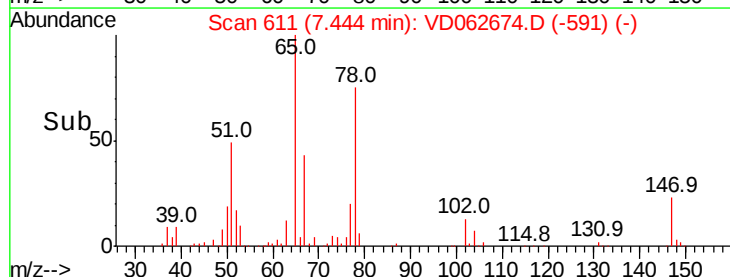
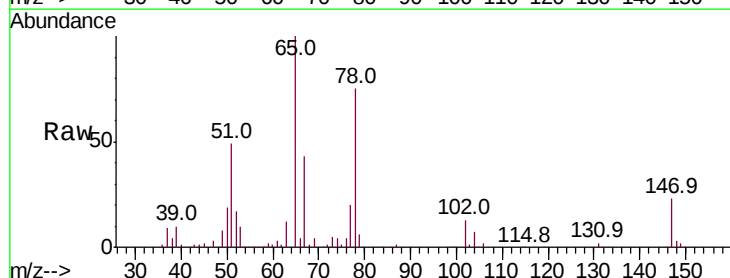
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

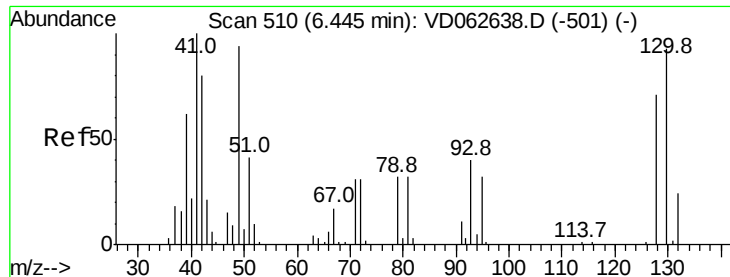
Tot Ion: 83 Resp: 173632
Ion Ratio Lower Upper
83 100
55 95.7 84.6 127.0
98 48.8 38.2 57.4



#40
Benzene
Concen: 18.710 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion: 78 Resp: 406525
Ion Ratio Lower Upper
78 100
77 27.1 18.6 28.0





#41

Methacrylonitrile

Concen: 20.363 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

Tot Ion: 41 Resp: 118595

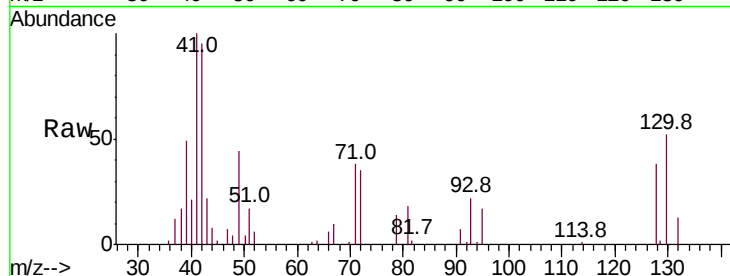
Ion Ratio Lower Upper

41 100

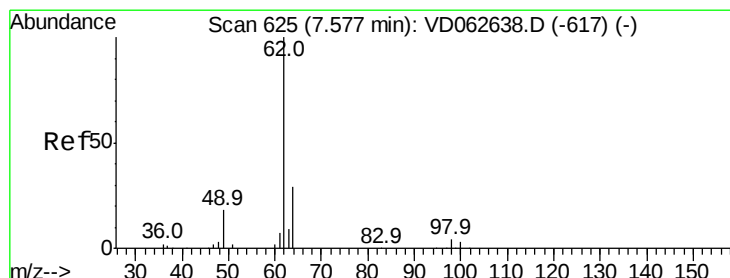
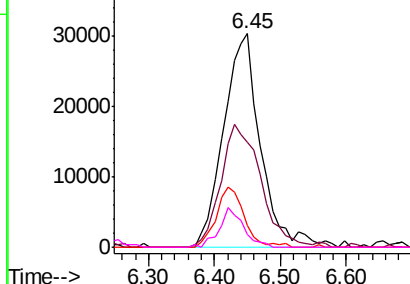
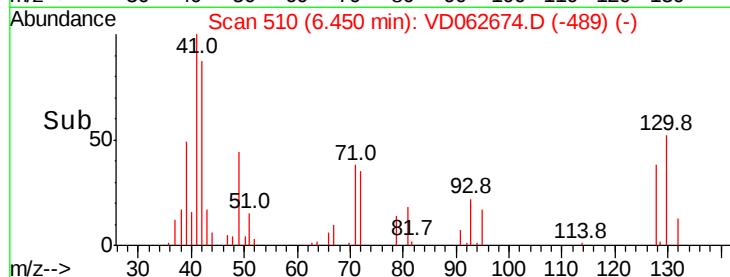
39 49.1 49.2 73.8#

67 10.1 13.9 20.9#

52 5.7 7.6 11.4#



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



#42

1,2-Dichloroethane

Concen: 17.907 ug/l

RT: 7.56 min Scan# 623

Delta R.T. -0.01 min

Lab File: VD062674.D

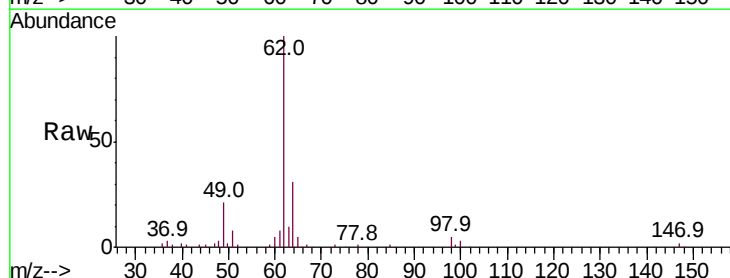
Acq: 12 Jun 2019 15:14

Tgt Ion: 62 Resp: 231909

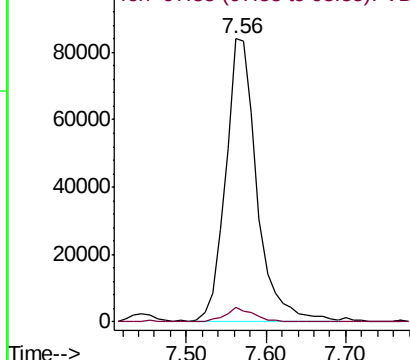
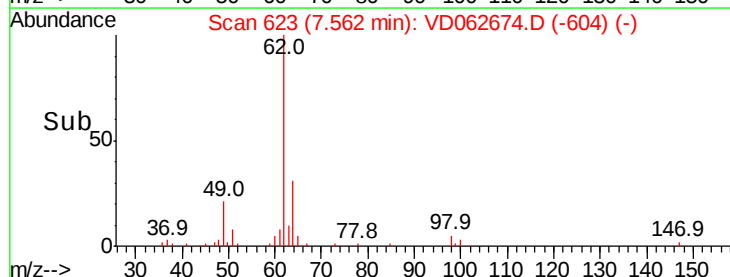
Ion Ratio Lower Upper

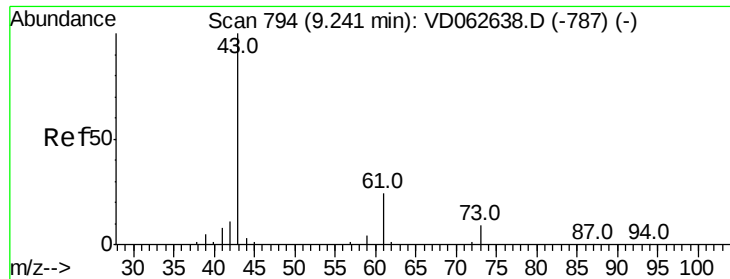
62 100

98 5.0 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: 19.683 ug/l

RT: 9.24 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

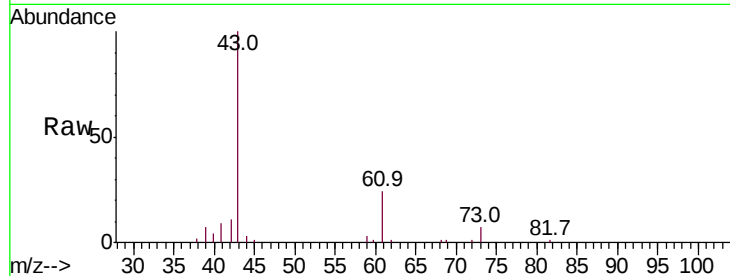
Tot Ion: 43 Resp: 115549

Ion Ratio Lower Upper

43 100

61 23.7 19.0 28.6

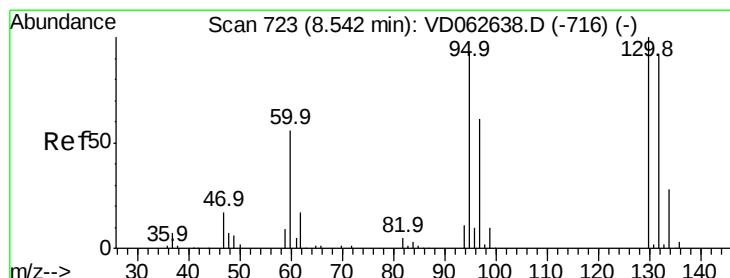
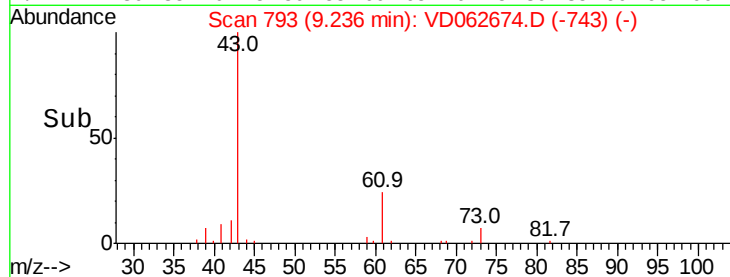
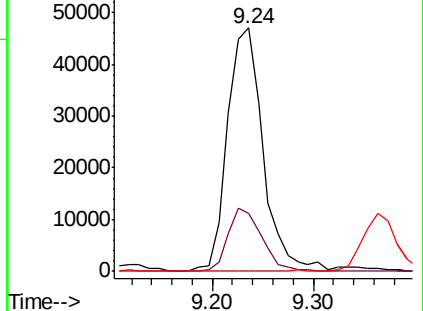
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.295 ug/l

RT: 8.53 min Scan# 721

Delta R.T. -0.01 min

Lab File: VD062674.D

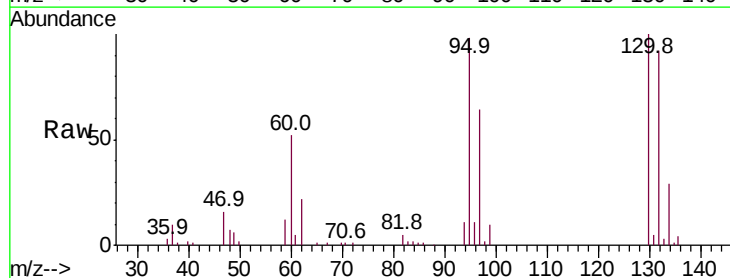
Acq: 12 Jun 2019 15:14

Tgt Ion:130 Resp: 170203

Ion Ratio Lower Upper

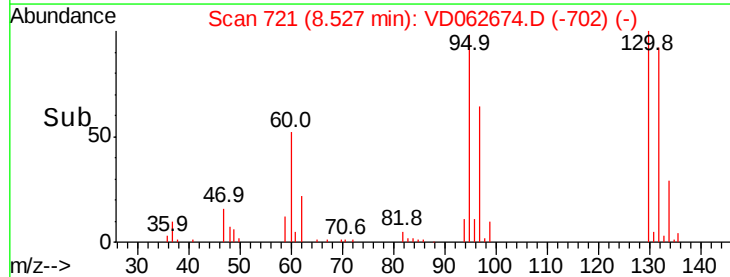
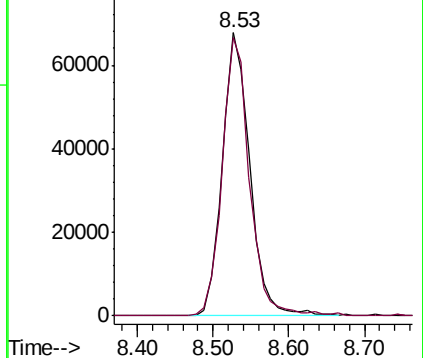
130 100

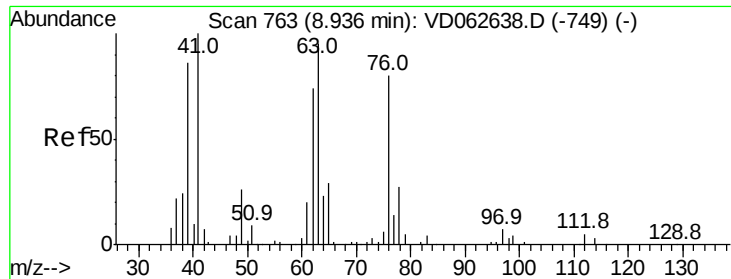
95 98.2 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.375 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

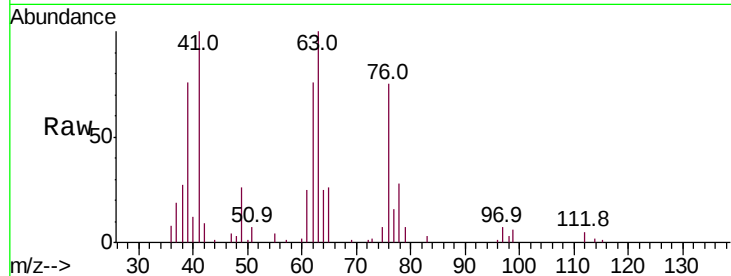
VD0612SBSD01

Tot Ion: 63 Resp: 101119

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

8.93

40000

30000

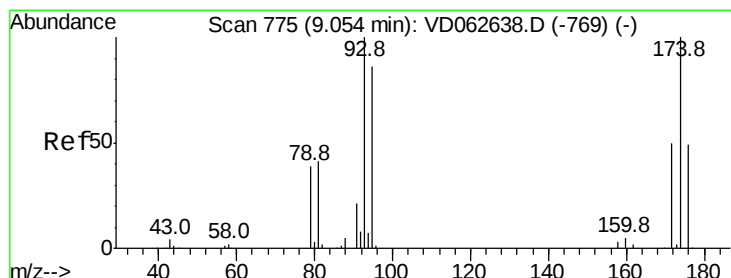
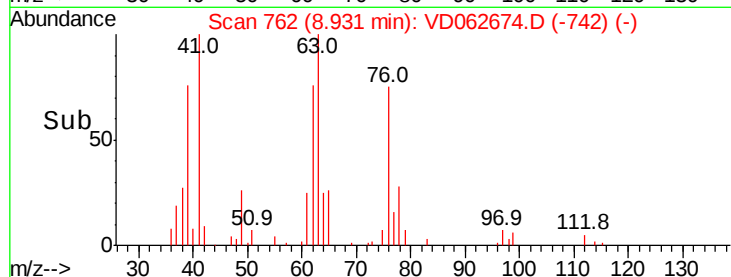
20000

10000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 19.902 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

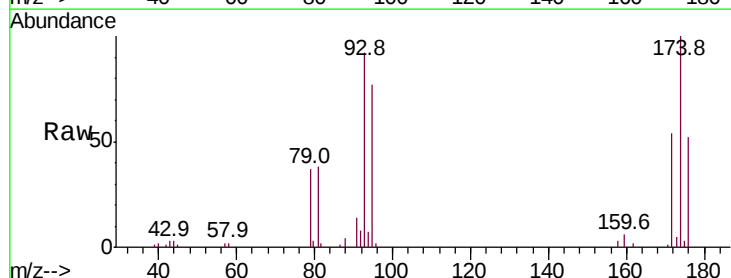
Tgt Ion: 93 Resp: 92197

Ion Ratio Lower Upper

93 100

95 84.2 68.7 103.1

174 108.9 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

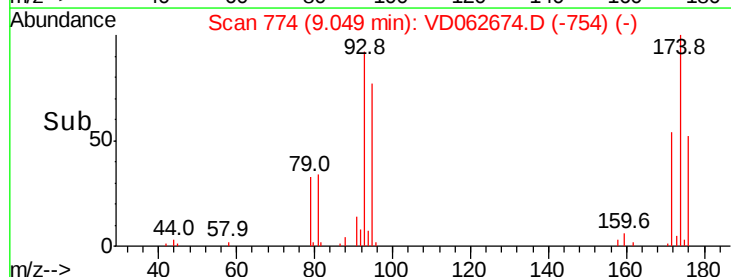
20000

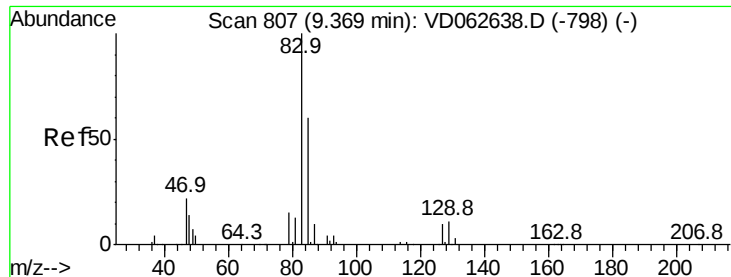
10000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 19.302 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

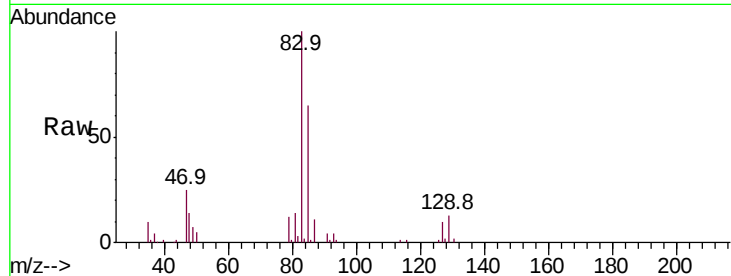
Tot Ion: 83 Resp: 243238

Ion Ratio Lower Upper

83 100

85 64.7 47.9 71.9

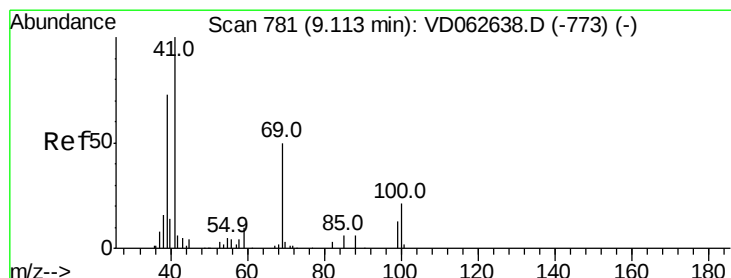
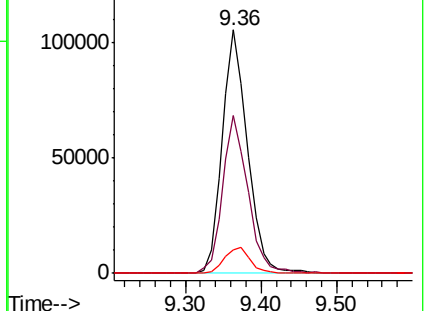
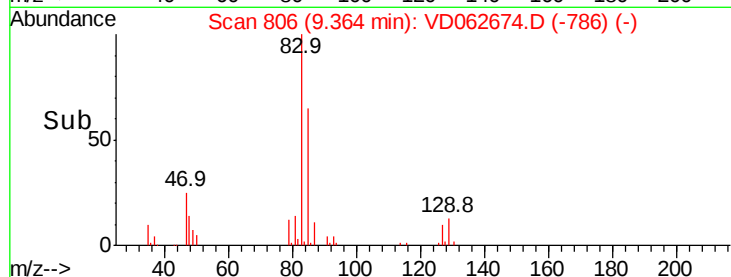
127 9.8 8.2 12.4



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: 17.796 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

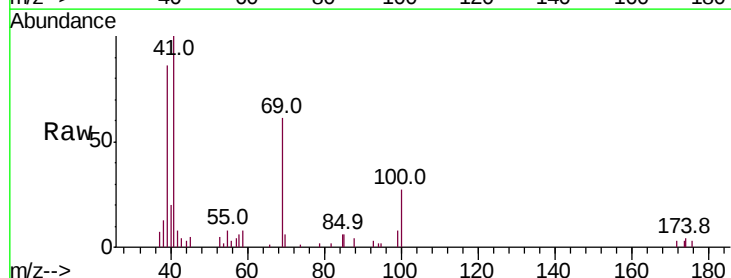
Tgt Ion: 41 Resp: 75473

Ion Ratio Lower Upper

41 100

69 61.2 39.8 59.6#

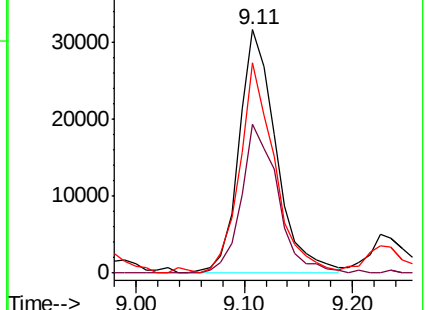
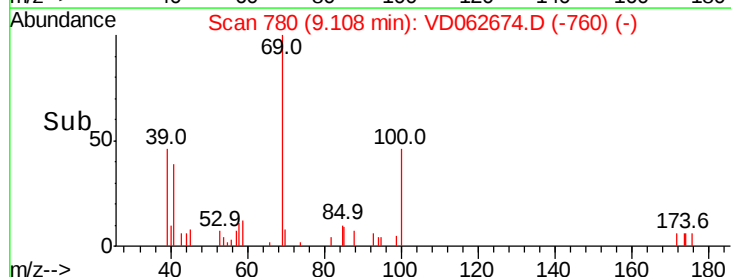
39 86.2 59.1 88.7

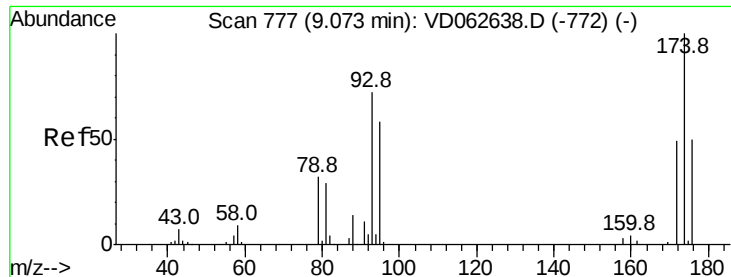


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

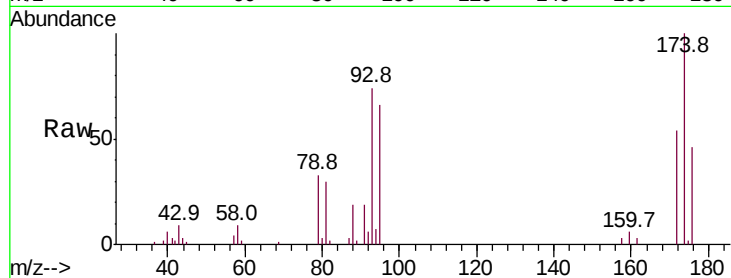




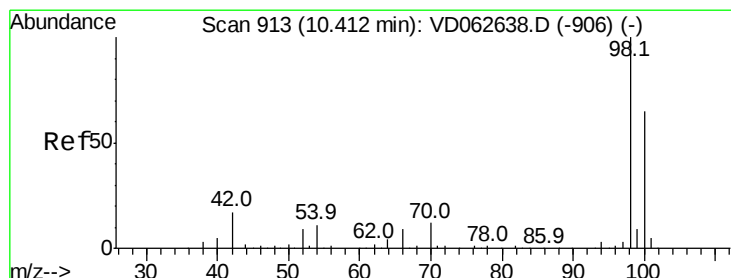
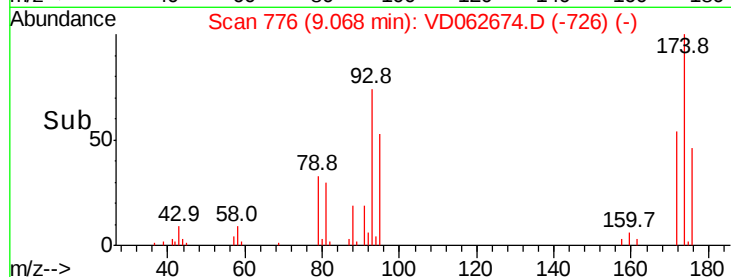
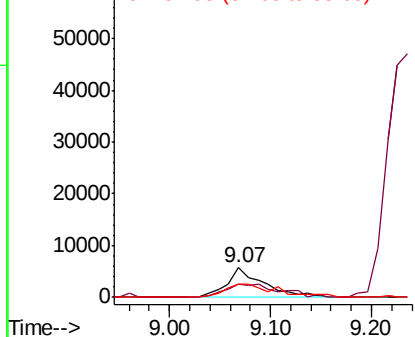
#49
 1,4-Dioxane
 Concen: 408.158 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

Tot Ion: 88 Resp: 14366
 Ion Ratio Lower Upper
 88 100
 43 58.8 40.7 61.1
 58 46.9 54.2 81.4#

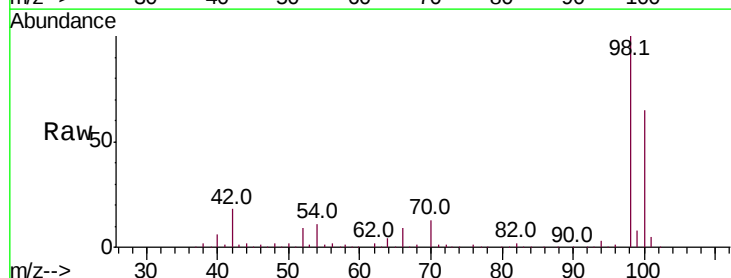


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

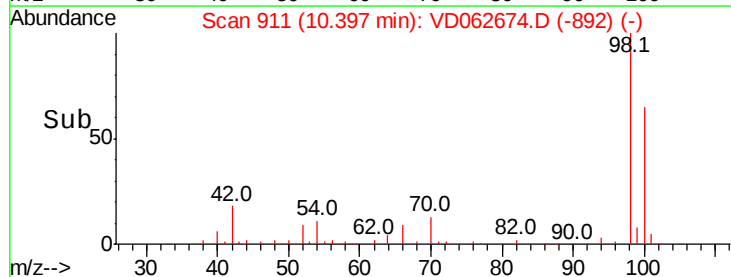
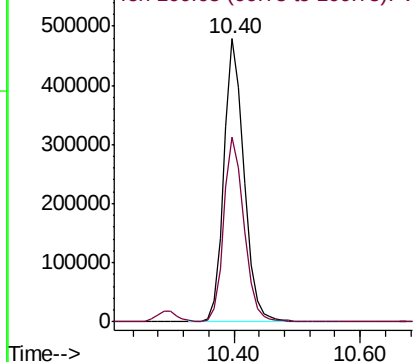


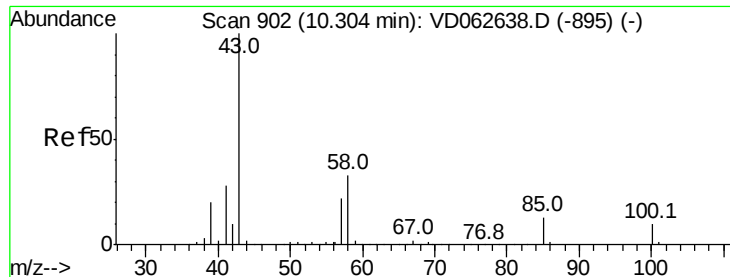
#50
 Toluene-d8
 Concen: 49.148 ug/l
 RT: 10.40 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

Tgt Ion: 98 Resp: 1059988
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 97.126 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

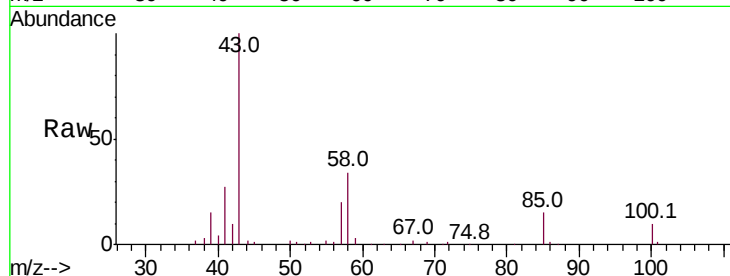
VD0612SBSD01

Tot Ion: 43 Resp: 398965

Ion Ratio Lower Upper

43 100

58 34.1 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

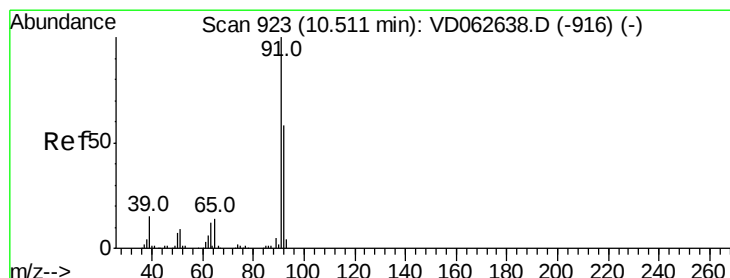
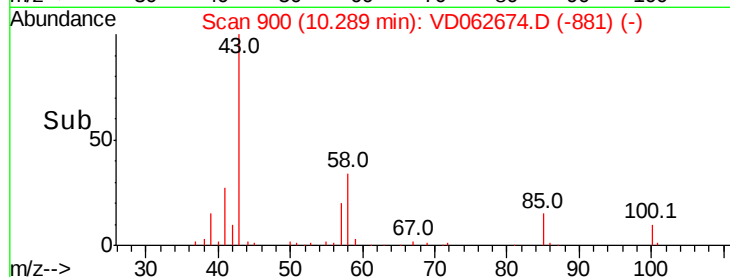
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.803 ug/l

RT: 10.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD062674.D

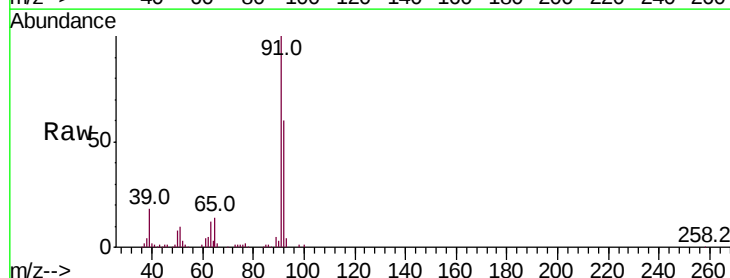
Acq: 12 Jun 2019 15:14

Tgt Ion: 92 Resp: 274624

Ion Ratio Lower Upper

92 100

91 165.9 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

200000

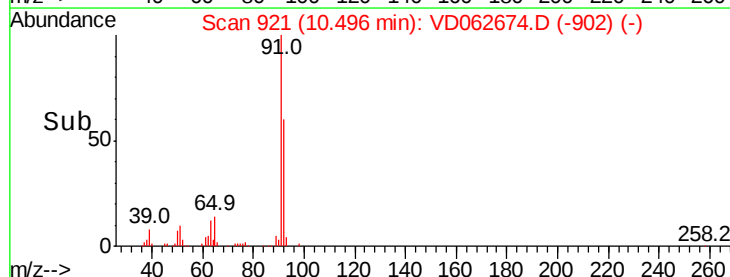
150000

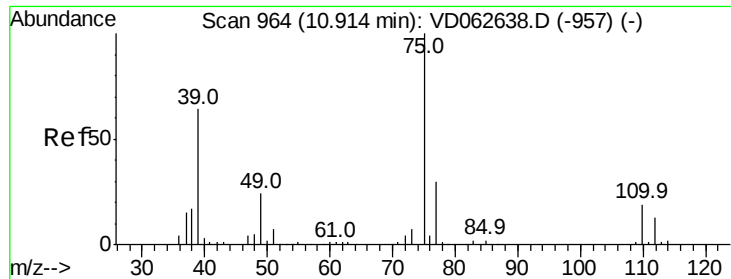
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.814 ug/l

RT: 10.90 min Scan# 962

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

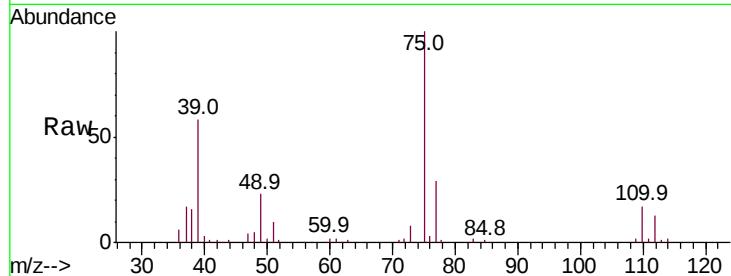
VD0612SBSD01

Tot Ion: 75 Resp: 204720

Ion Ratio Lower Upper

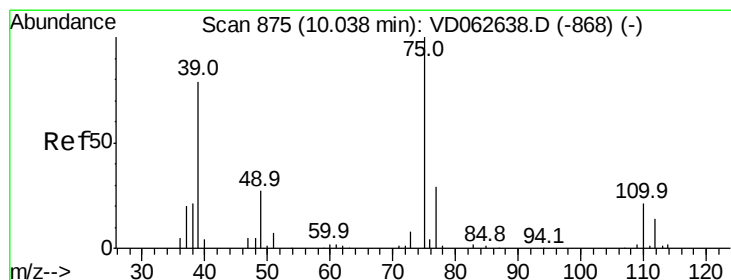
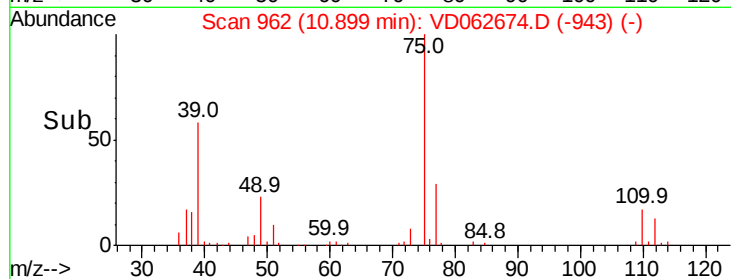
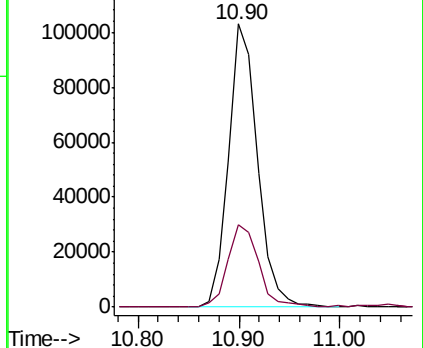
75 100

77 29.0 24.1 36.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.493 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

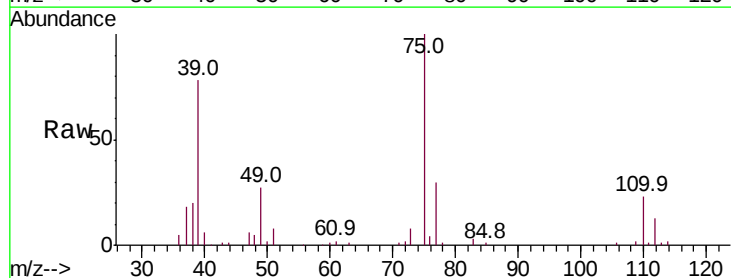
Tgt Ion: 75 Resp: 208160

Ion Ratio Lower Upper

75 100

77 29.7 23.1 34.7

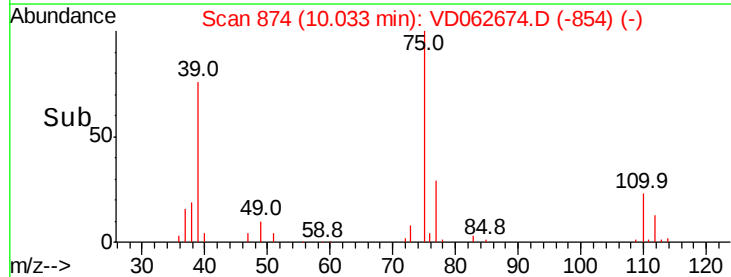
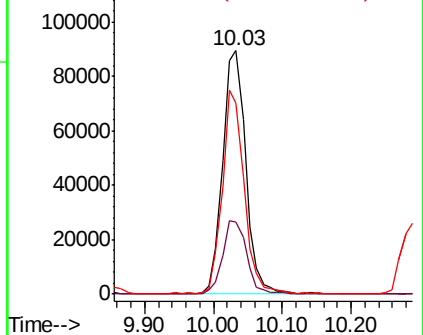
39 78.5 63.4 95.2

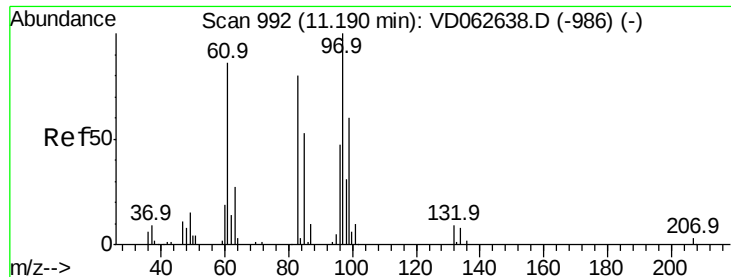


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.449 ug/l

RT: 11.18 min Scan# 990

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

Tot Ion: 97 Resp: 102422

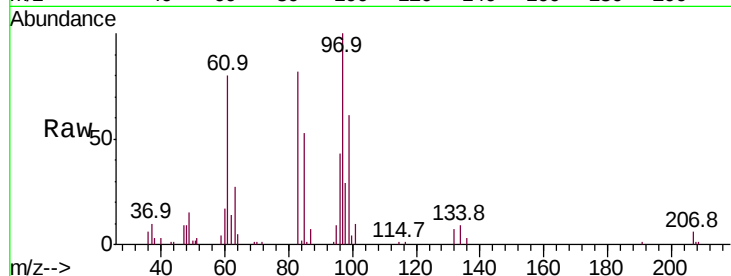
Ion Ratio Lower Upper

97 100

83 82.0 63.8 95.8

85 53.2 42.3 63.5

99 60.6 48.0 72.0

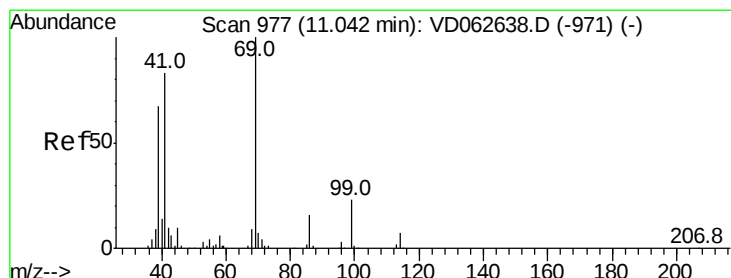
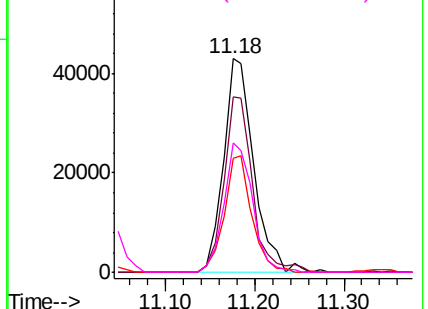
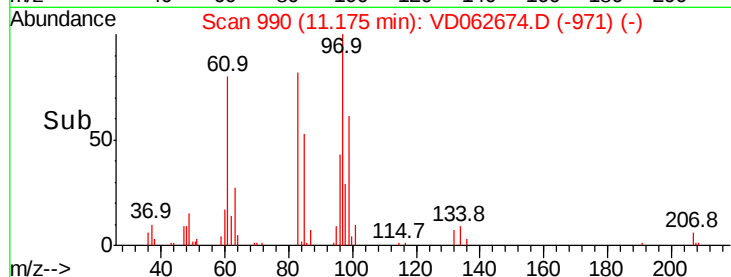


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.224 ug/l

RT: 11.03 min Scan# 975

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

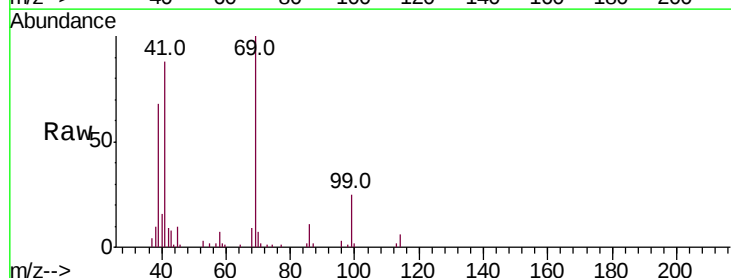
Tgt Ion: 69 Resp: 106679

Ion Ratio Lower Upper

69 100

41 88.1 66.2 99.4

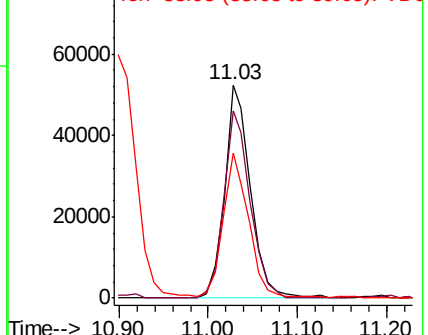
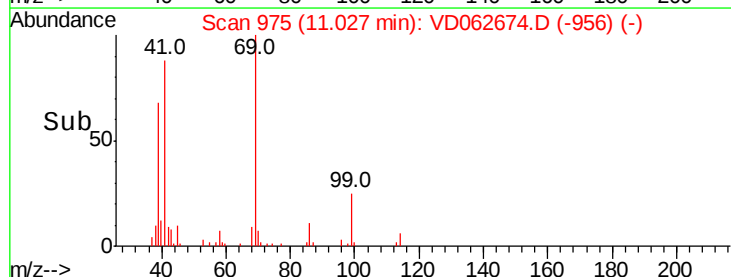
39 68.3 53.8 80.8

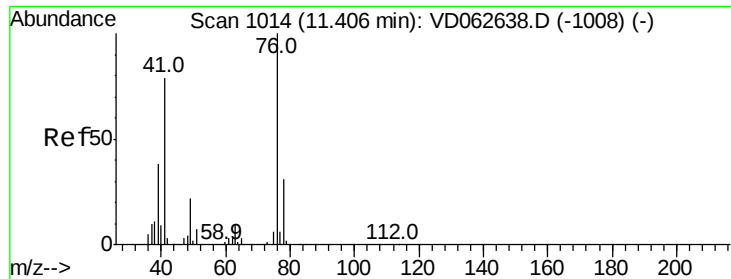


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.187 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

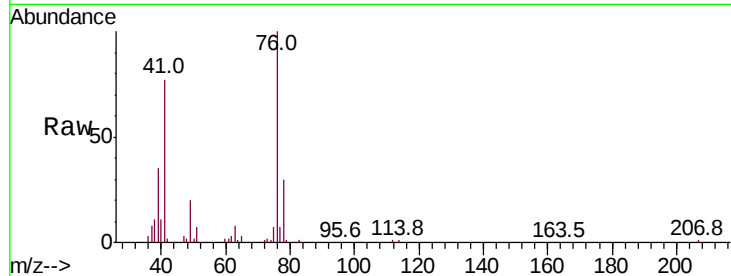
VD0612SBSD01

Tot Ion: 76 Resp: 148948

Ion Ratio Lower Upper

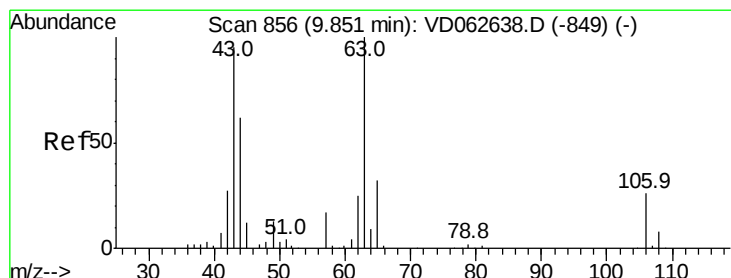
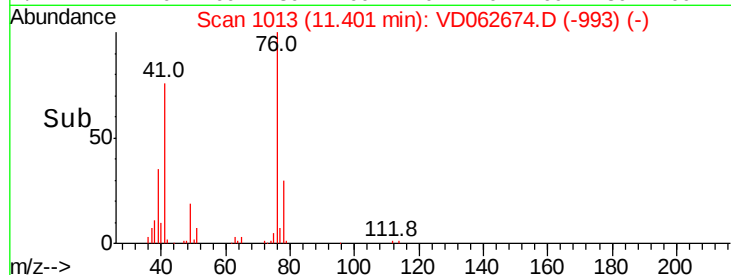
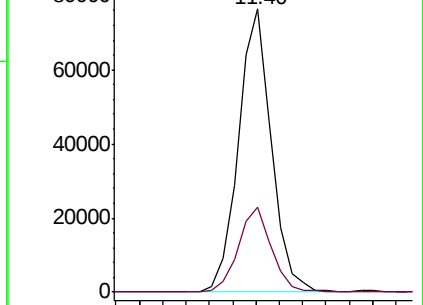
76 100

78 30.2 24.9 37.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 102.766 ug/l

RT: 9.85 min Scan# 855

Delta R.T. -0.00 min

Lab File: VD062674.D

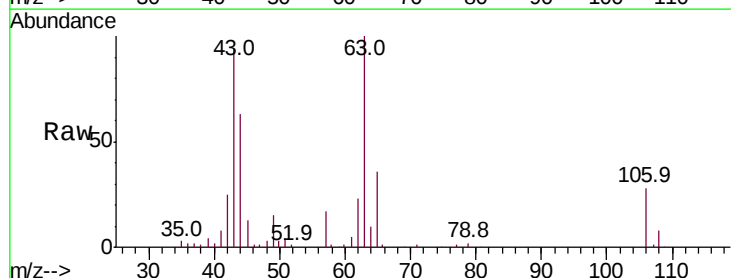
Acq: 12 Jun 2019 15:14

Tgt Ion: 63 Resp: 275105

Ion Ratio Lower Upper

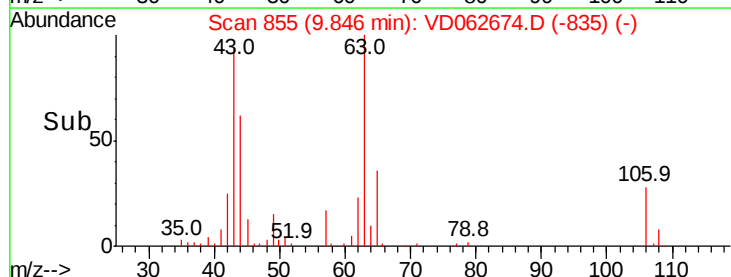
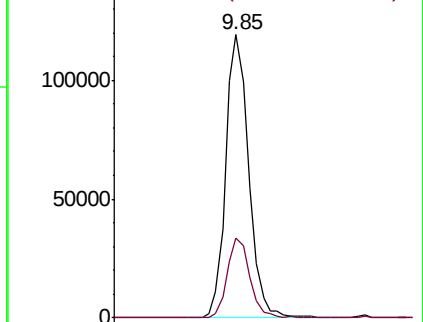
63 100

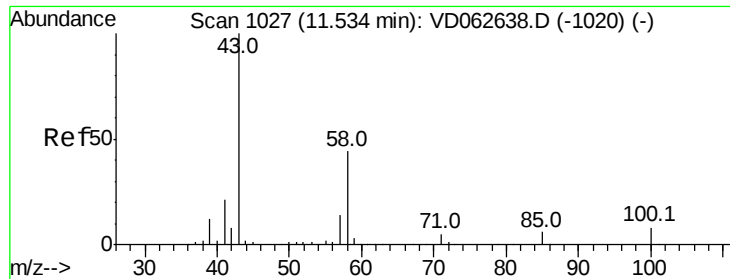
106 28.0 20.5 30.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 100.016 ug/l

RT: 11.53 min Scan# 1026

Delta R.T. -0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

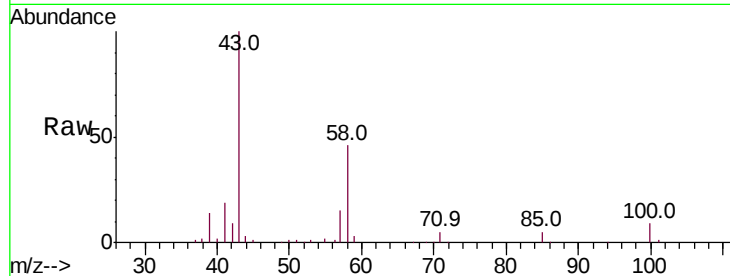
VD0612SBSD01

Tot Ion: 43 Resp: 305604

Ion Ratio Lower Upper

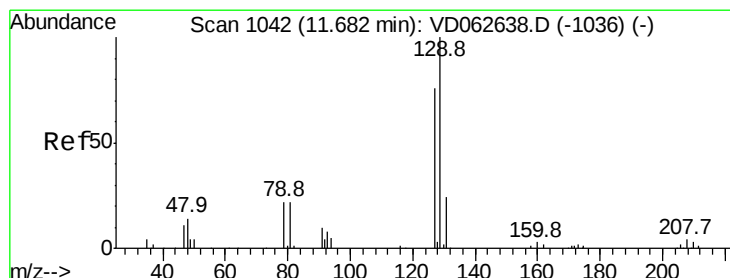
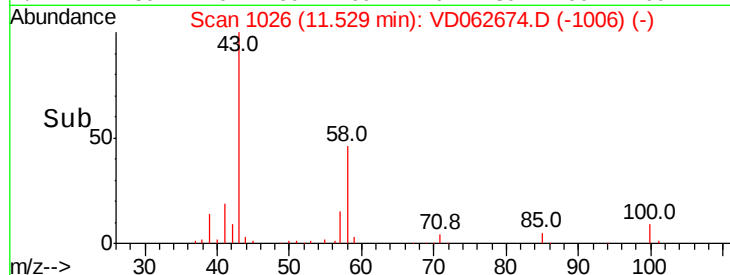
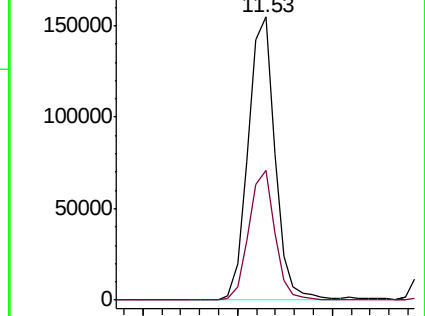
43 100

58 46.0 21.8 65.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 18.916 ug/l

RT: 11.68 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VD062674.D

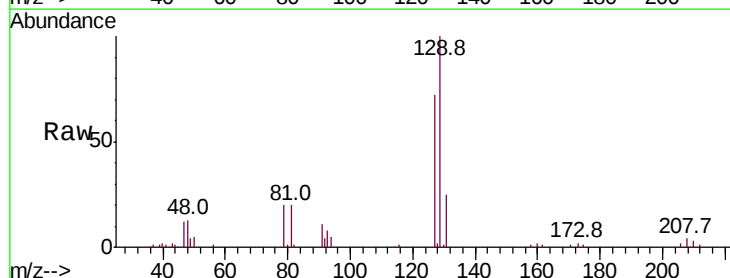
Acq: 12 Jun 2019 15:14

Tgt Ion:129 Resp: 187027

Ion Ratio Lower Upper

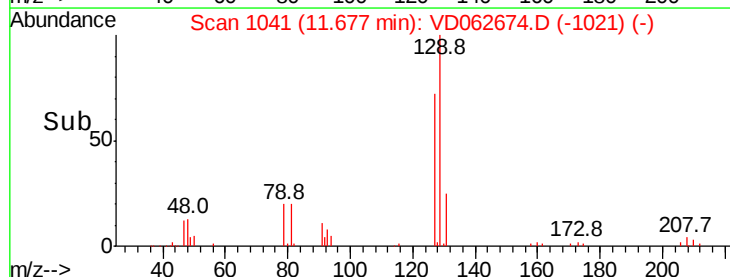
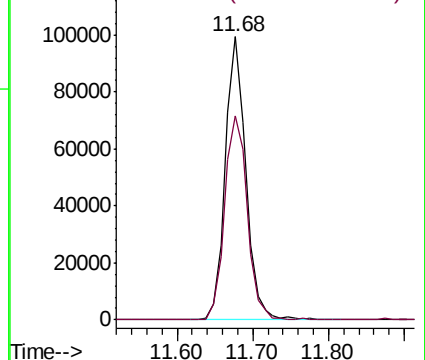
129 100

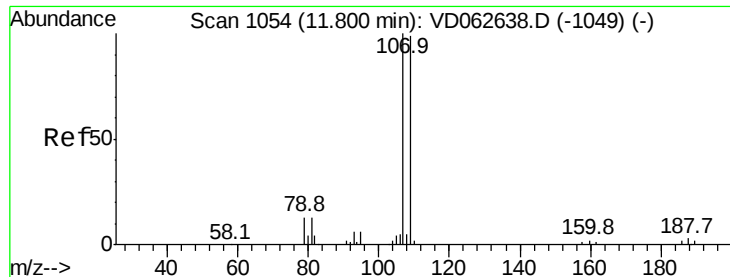
127 72.2 38.0 114.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

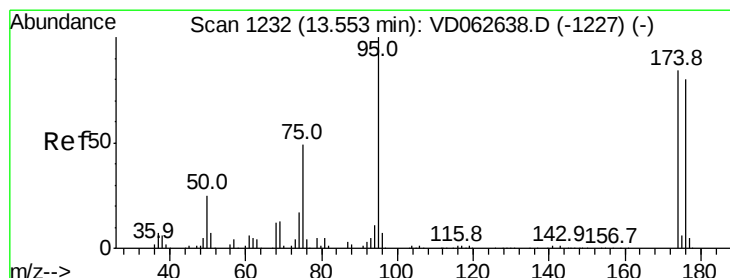
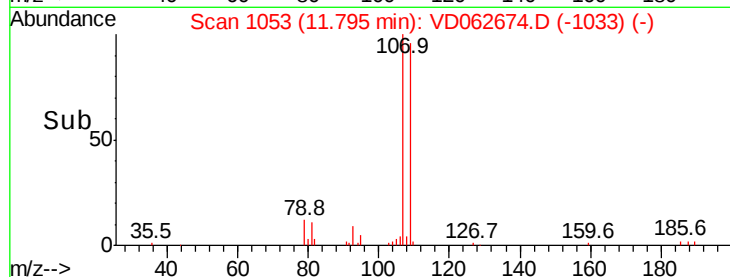
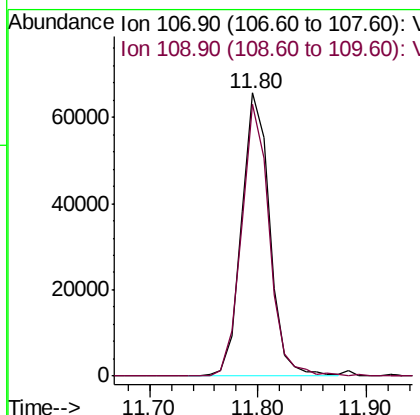
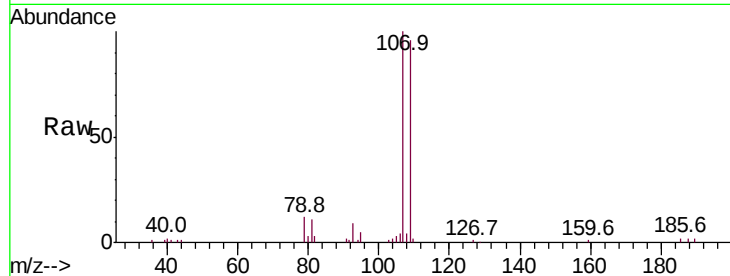




#61
 1,2-Dibromoethane
 Concen: 19.705 ug/l
 RT: 11.80 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

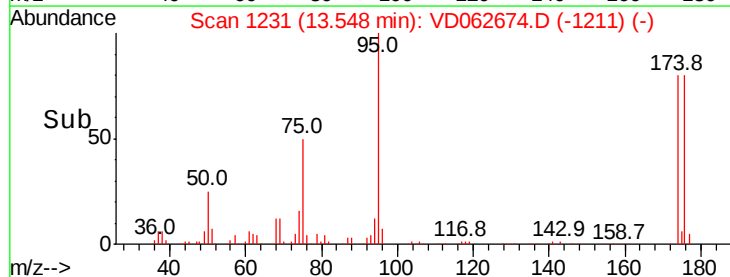
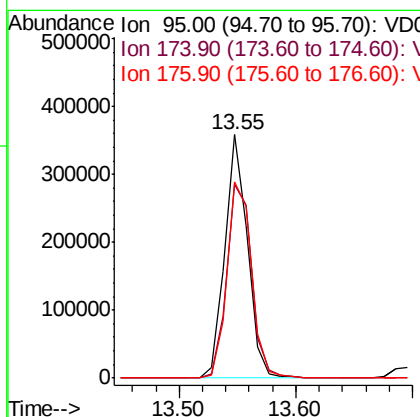
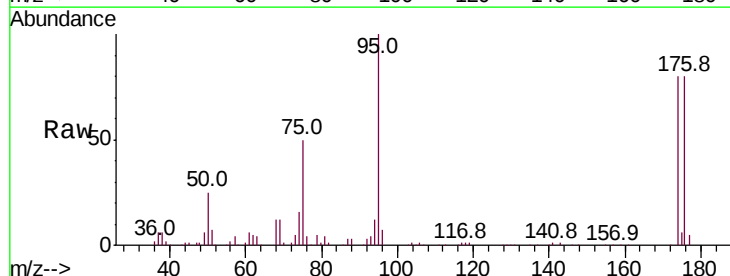
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

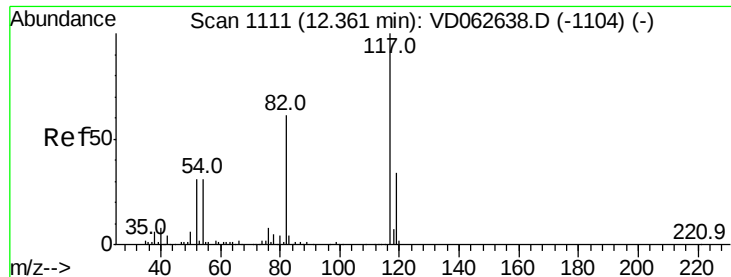
Tot Ion:107 Resp: 118124
 Ion Ratio Lower Upper
 107 100
 109 96.1 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 47.809 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

Tgt Ion: 95 Resp: 481048
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 167.0
 176 80.5 0.0 159.2

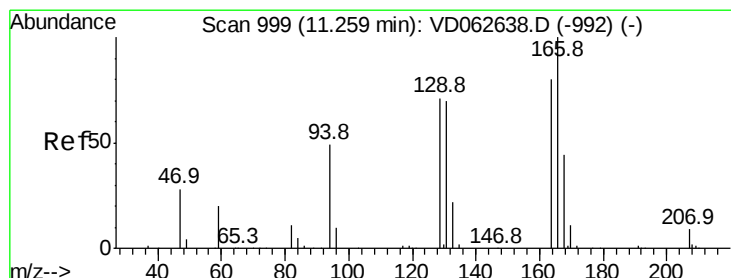
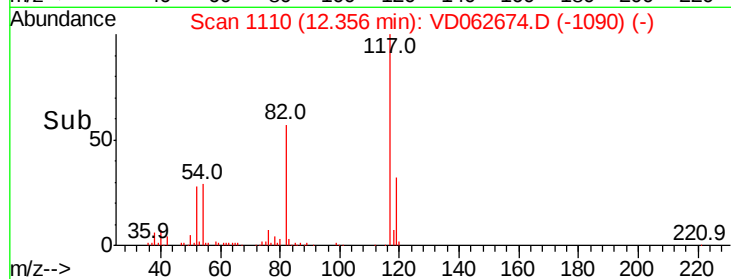
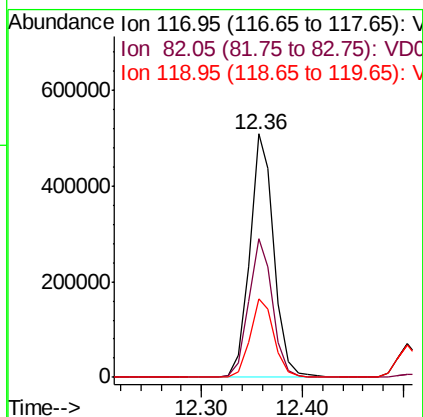
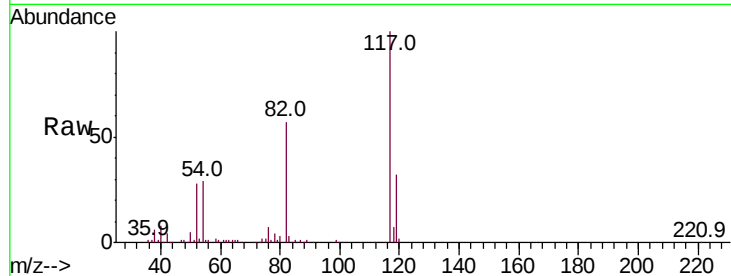




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

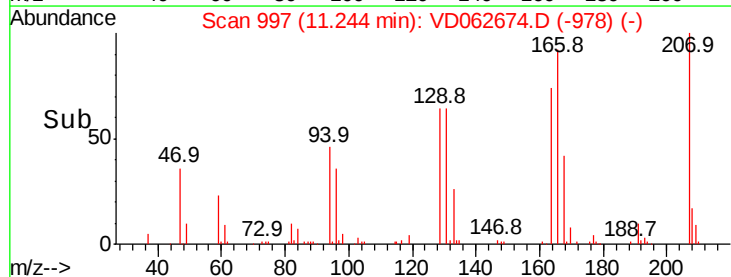
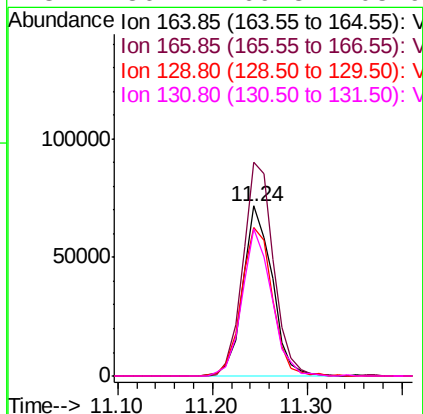
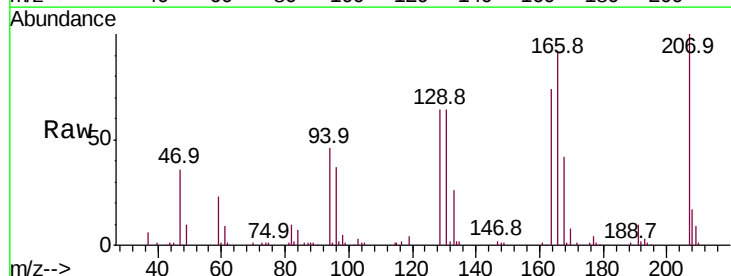
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

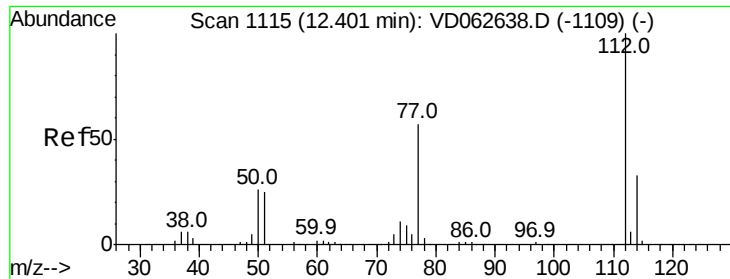
Tot Ion:117 Resp: 847916
Ion Ratio Lower Upper
117 100
82 56.9 48.7 73.1
119 32.2 27.0 40.6



#64
Tetrachloroethene
Concen: 19.337 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion:164 Resp: 153489
Ion Ratio Lower Upper
164 100
166 125.5 99.4 149.2
129 87.2 70.2 105.4
131 86.7 69.3 103.9





#65

Chlorobenzene

Concen: 19.074 ug/l

RT: 12.39 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

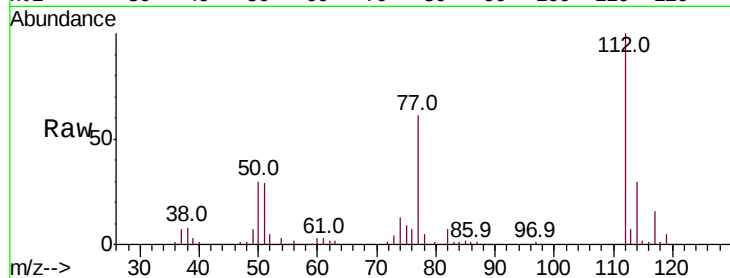
VD0612SBSD01

Tot Ion:112 Resp: 357743

Ion Ratio Lower Upper

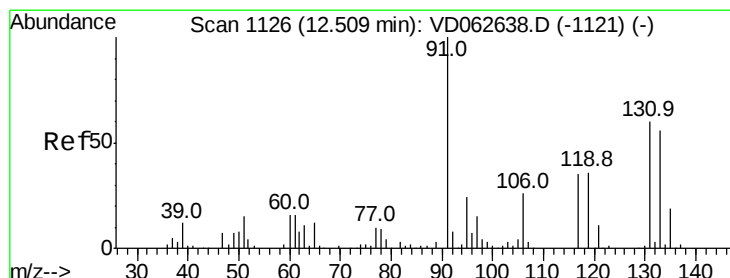
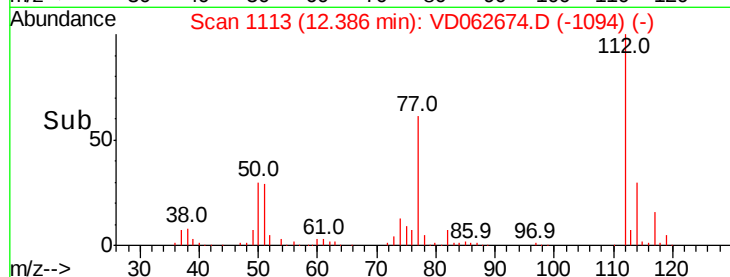
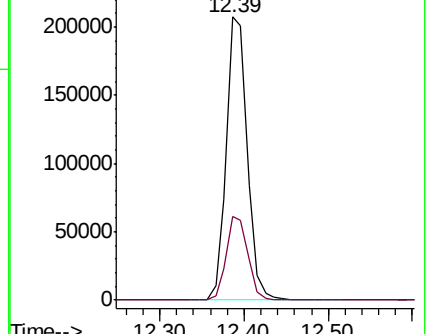
112 100

114 29.8 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: 19.245 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

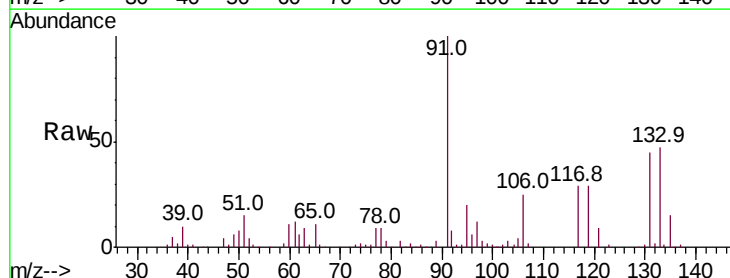
Tgt Ion:131 Resp: 172147

Ion Ratio Lower Upper

131 100

133 104.2 46.8 140.3

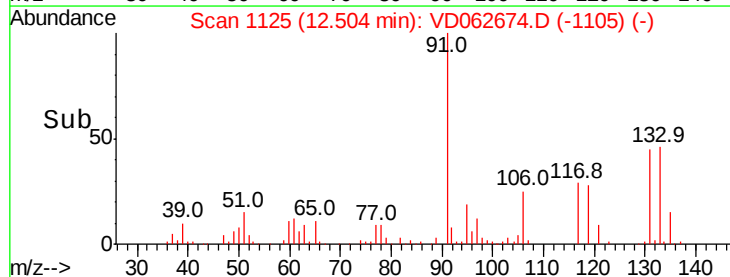
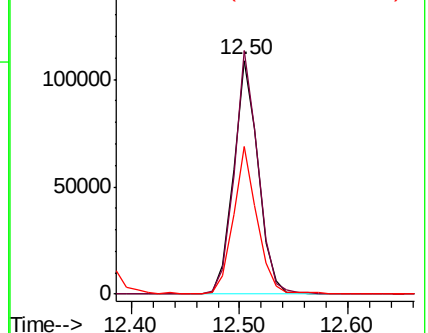
119 63.2 29.9 89.8

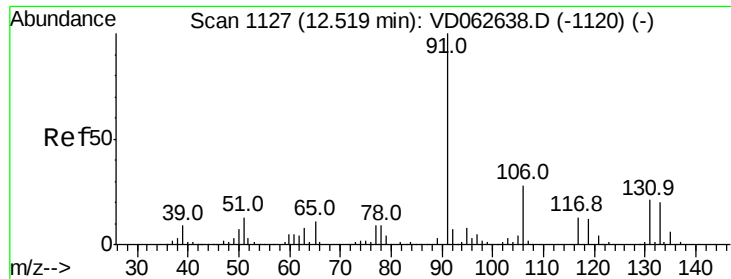


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

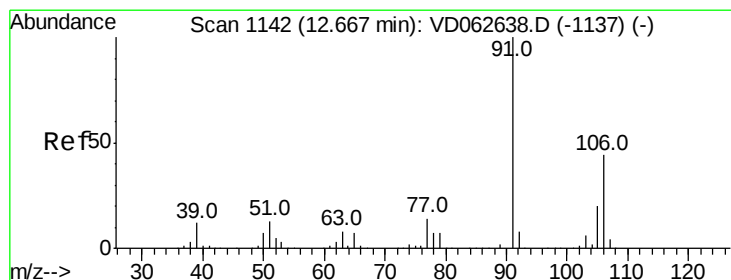
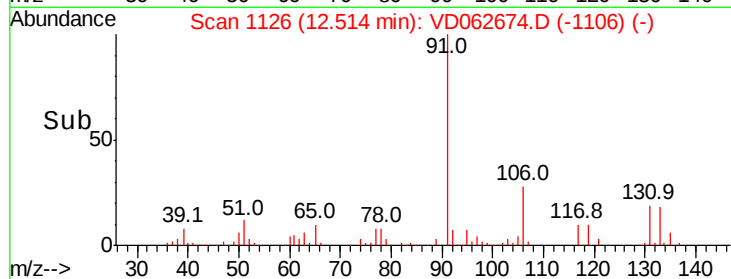
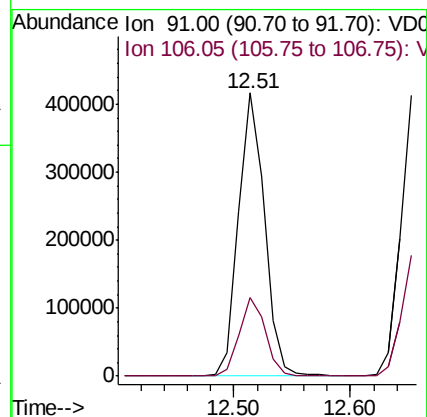
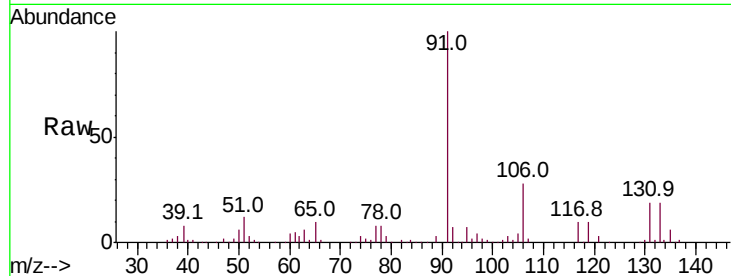




#67
Ethyl Benzene
Concen: 19.478 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

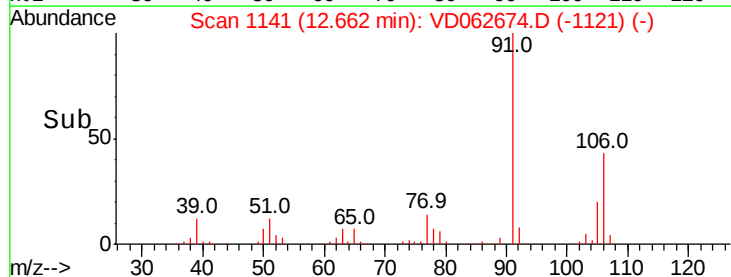
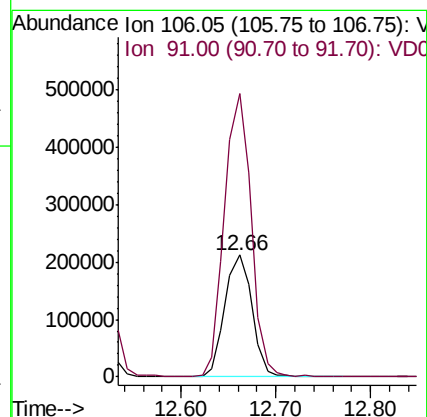
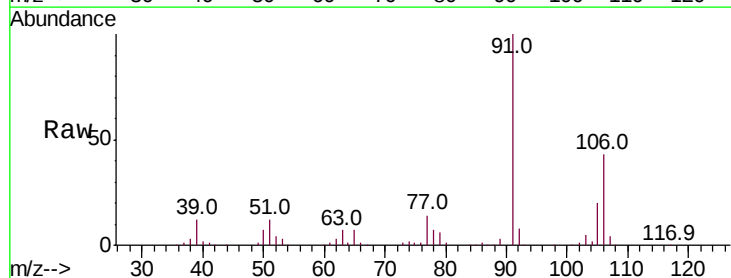
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

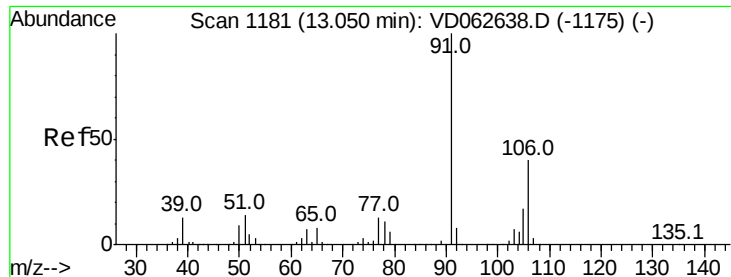
Tot Ion: 91 Resp: 647725
Ion Ratio Lower Upper
91 100
106 27.8 22.1 33.1



#68
m/p-Xylenes
Concen: 36.444 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion: 106 Resp: 426052
Ion Ratio Lower Upper
106 100
91 231.9 180.2 270.4

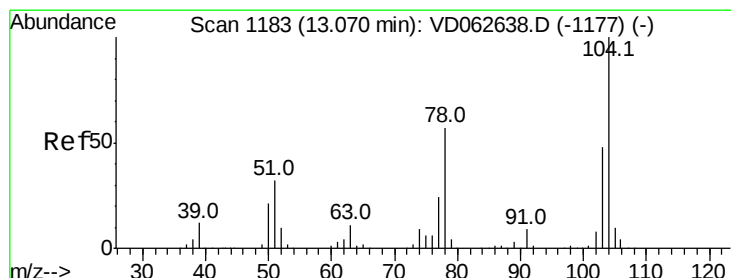
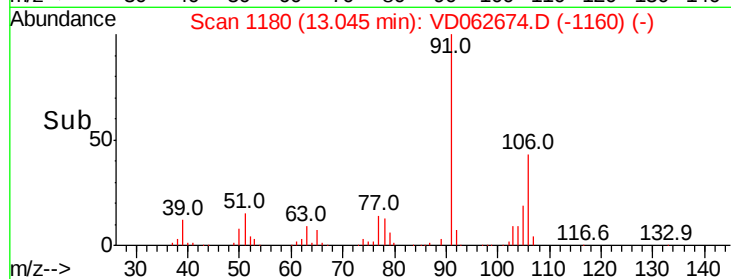
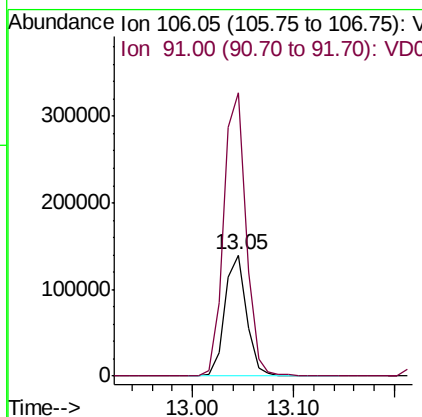
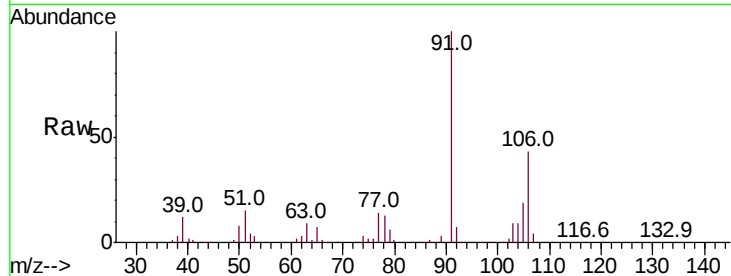




#69
o-Xylene
Concen: 19.488 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

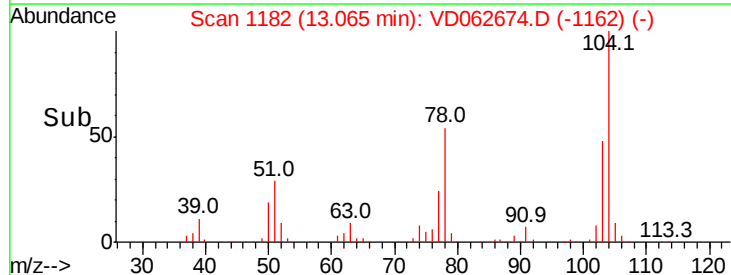
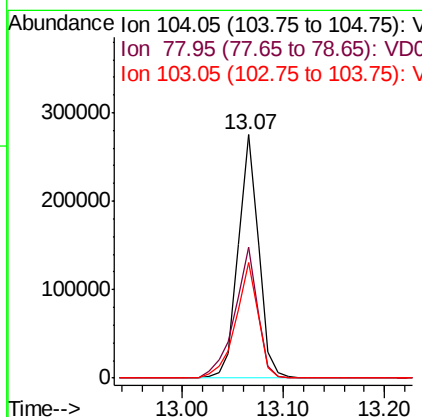
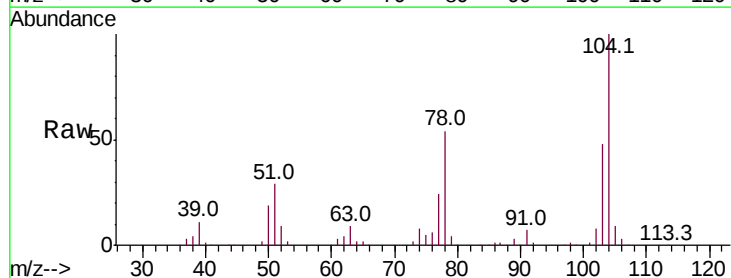
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

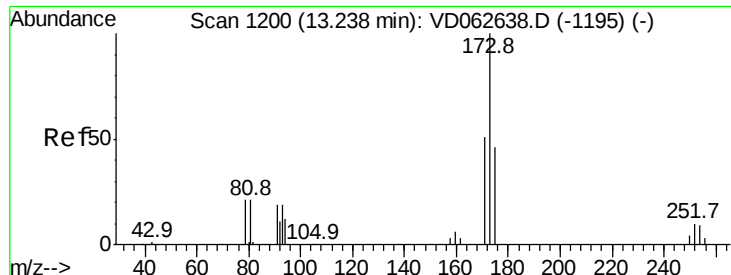
Tot Ion:106 Resp: 209235
Ion Ratio Lower Upper
106 100
91 233.4 124.1 372.1



#70
Styrene
Concen: 20.083 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion:104 Resp: 384738
Ion Ratio Lower Upper
104 100
78 53.7 45.9 68.9
103 47.5 38.4 57.6





#71

Bromoform

Concen: 20.590 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

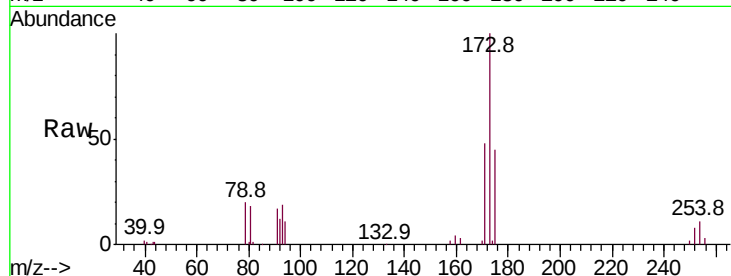
Tot Ion:173 Resp: 129178

Ion Ratio Lower Upper

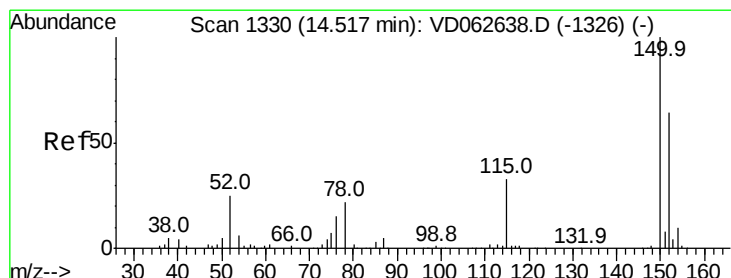
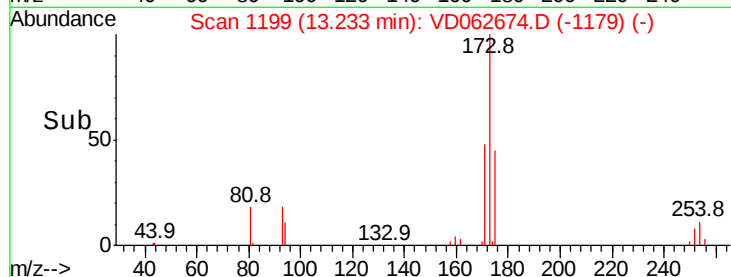
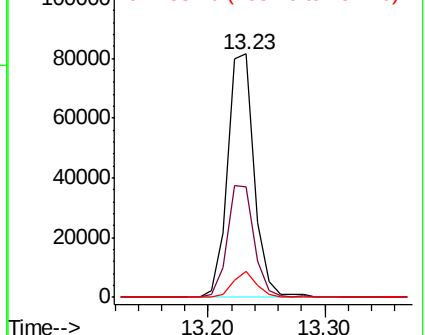
173 100

175 45.2 22.9 68.7

254 10.8 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: VD062674.D

Acq: 12 Jun 2019 15:14

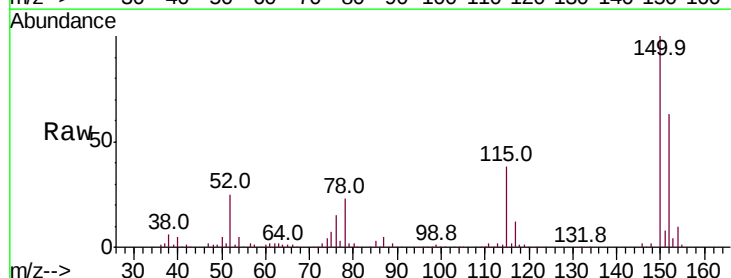
Tgt Ion:152 Resp: 477455

Ion Ratio Lower Upper

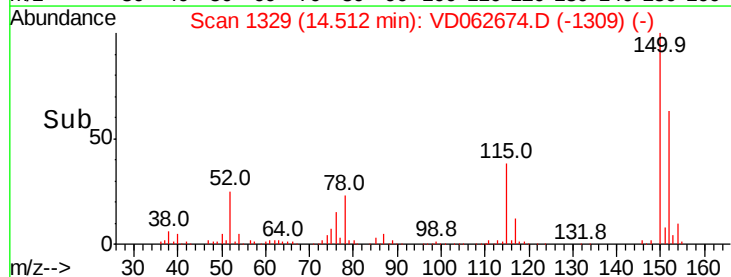
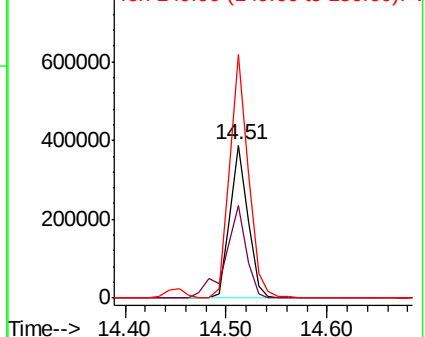
152 100

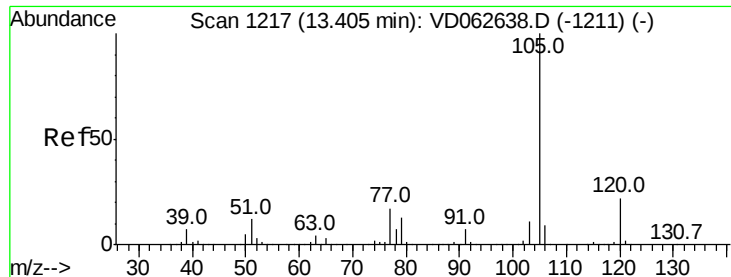
115 60.0 30.1 90.5

150 158.8 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: 17.636 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

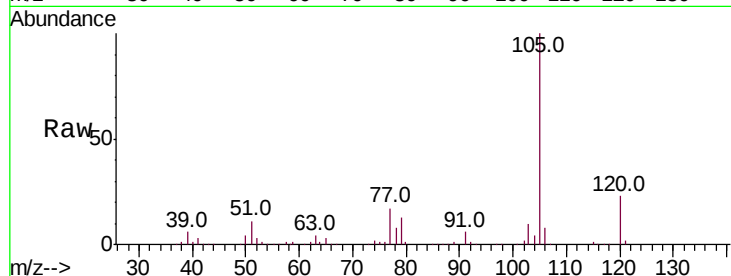
VD0612SBSD01

Tot Ion:105 Resp: 593493

Ion Ratio Lower Upper

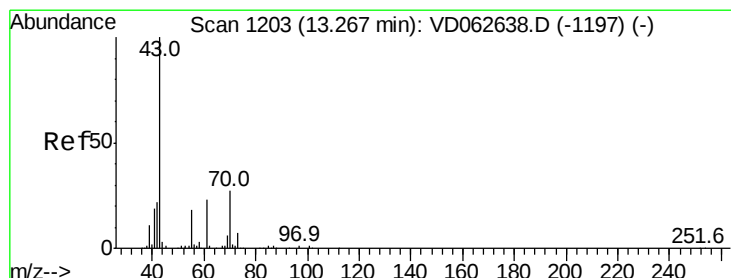
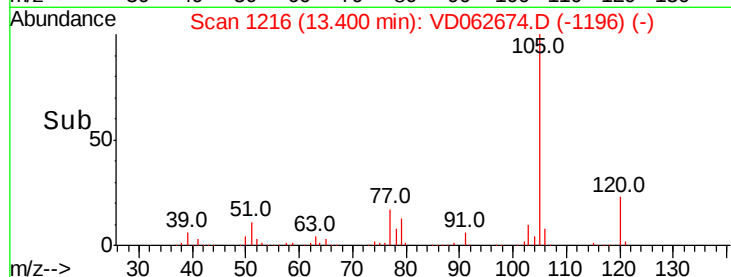
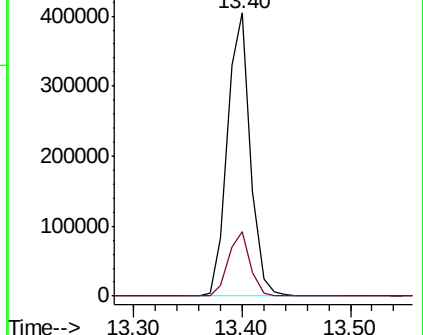
105 100

120 22.8 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.712 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Tgt Ion: 43 Resp: 170183

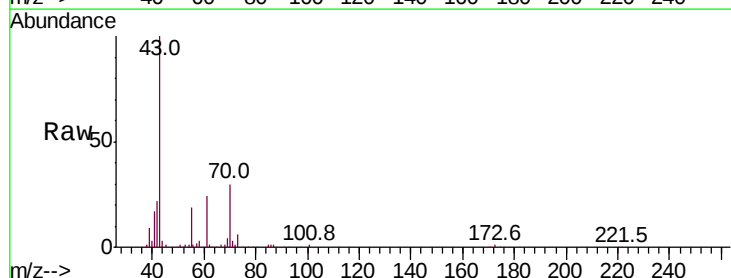
Ion Ratio Lower Upper

43 100

70 29.8 21.8 32.8

55 19.0 14.6 21.8

61 24.2 18.4 27.6

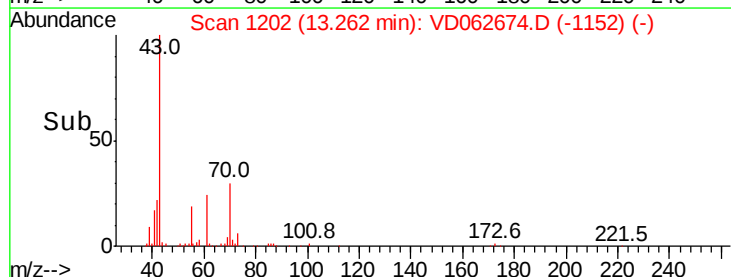
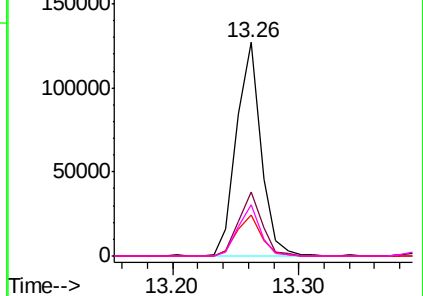


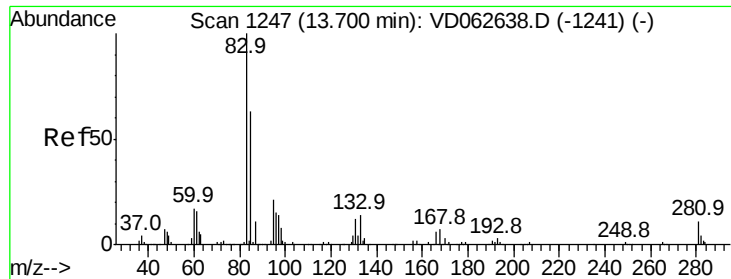
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.980 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

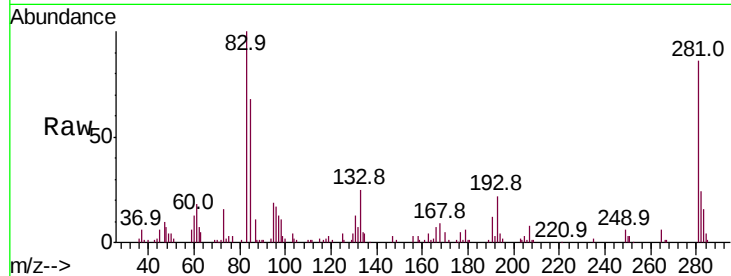
Tot Ion: 83 Resp: 109294

Ion Ratio Lower Upper

83 100

131 12.7 5.9 17.7

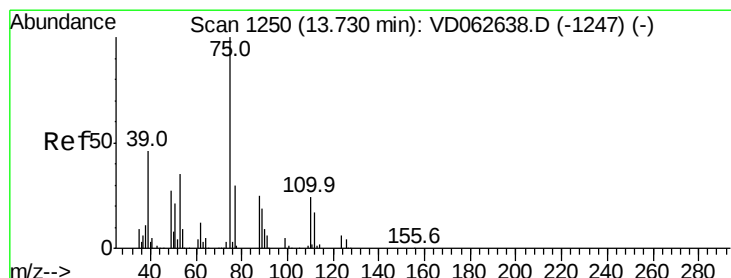
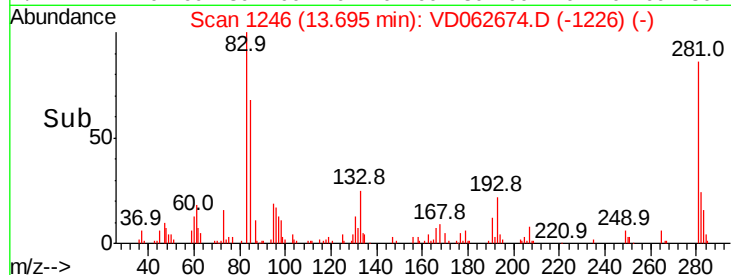
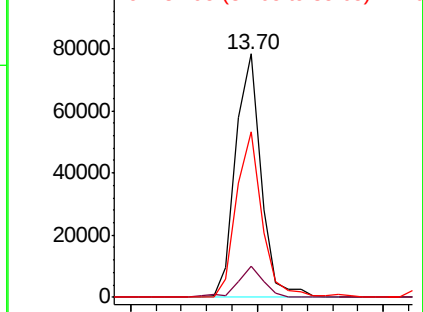
85 68.1 31.3 93.9



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: 19.111 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062674.D

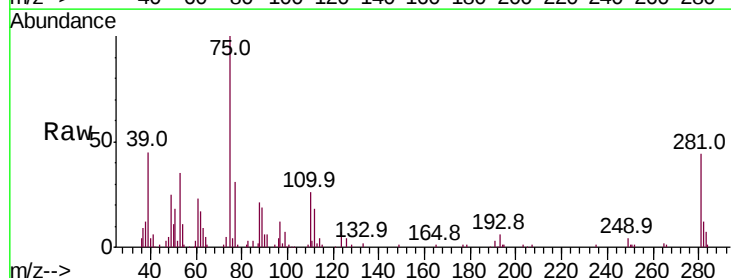
Acq: 12 Jun 2019 15:14

Tgt Ion: 75 Resp: 123722

Ion Ratio Lower Upper

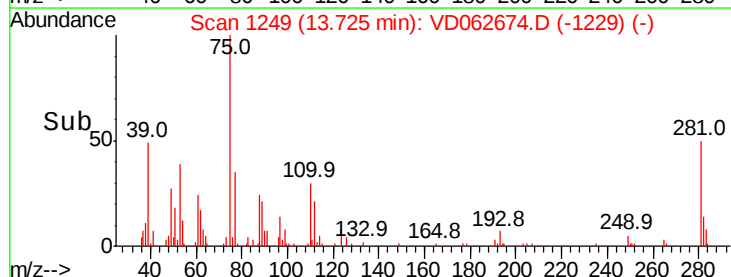
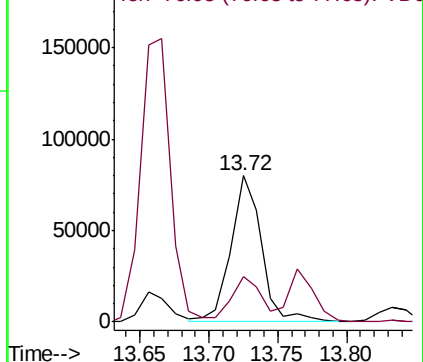
75 100

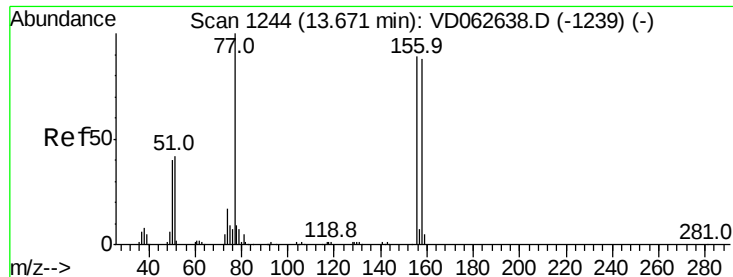
77 30.6 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.348 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

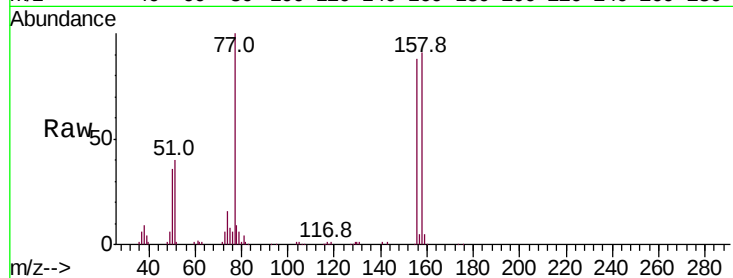
Tot Ion:156 Resp: 186101

Ion Ratio Lower Upper

156 100

77 113.4 56.3 168.8

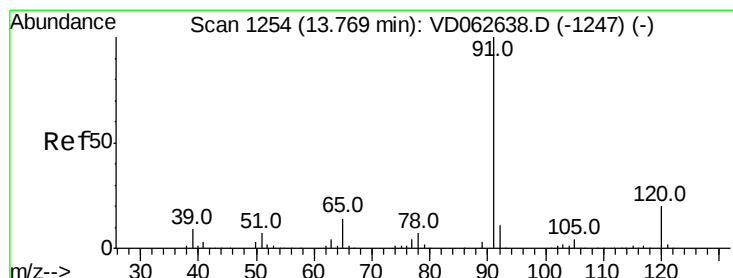
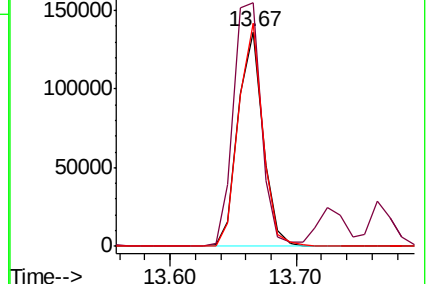
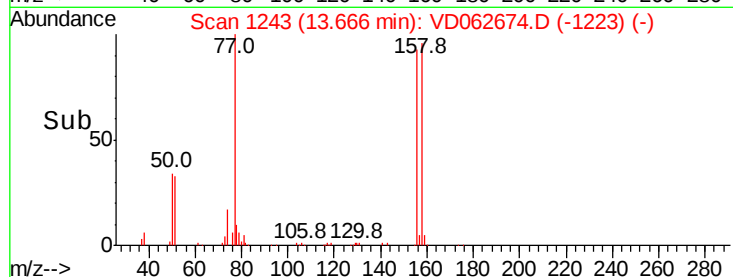
158 103.8 49.6 148.8



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: 19.369 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD062674.D

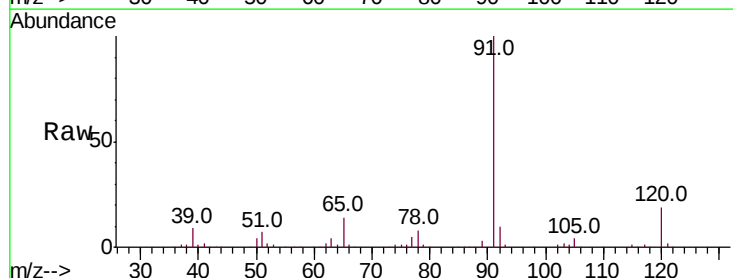
Acq: 12 Jun 2019 15:14

Tgt Ion: 91 Resp: 797885

Ion Ratio Lower Upper

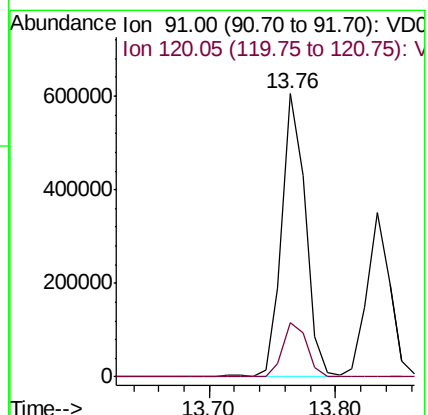
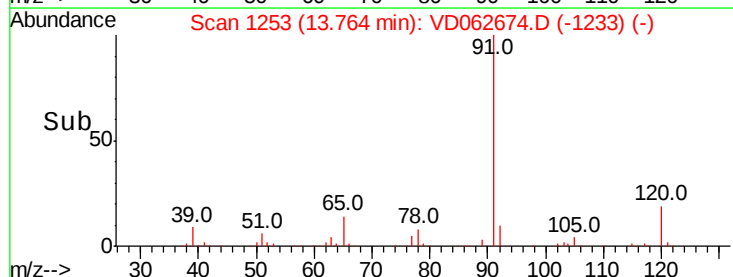
91 100

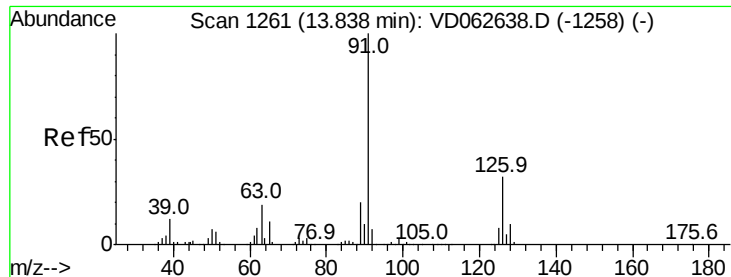
120 19.4 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 18.477 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

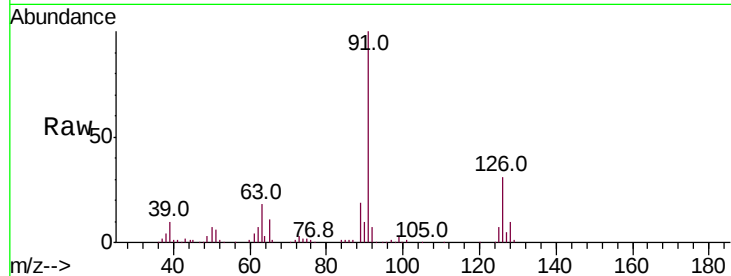
VD0612SBSD01

Tot Ion: 91 Resp: 445651

Ion Ratio Lower Upper

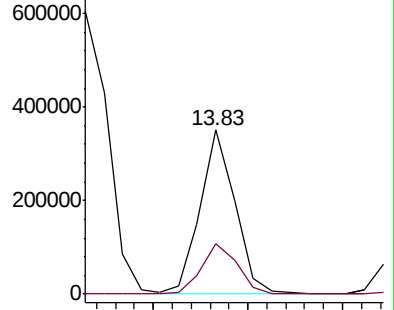
91 100

126 30.5 15.8 47.4

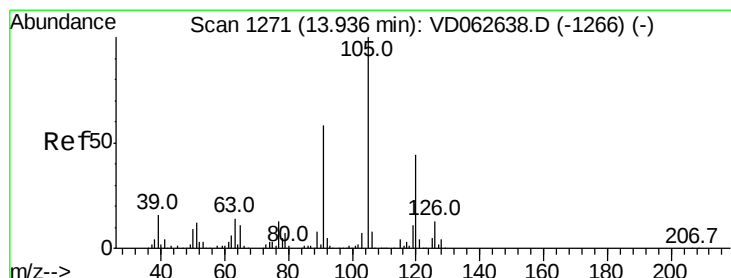
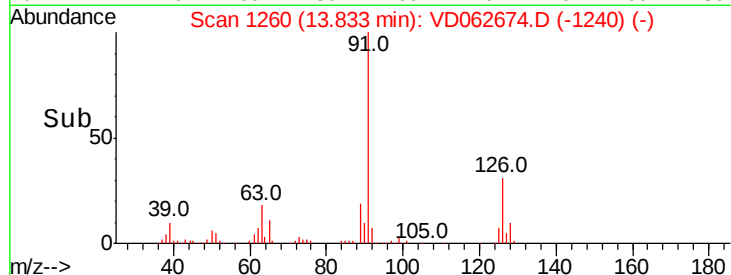


Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1258) (-)

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



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.367 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062674.D

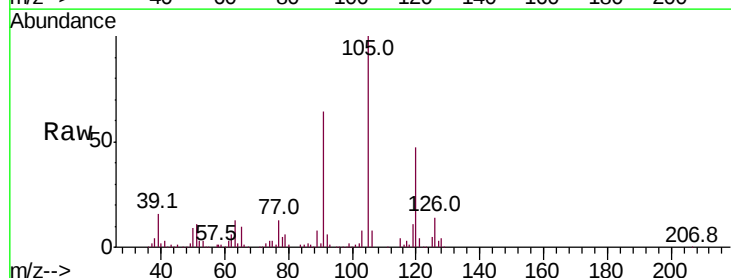
Acq: 12 Jun 2019 15:14

Tgt Ion:105 Resp: 576023

Ion Ratio Lower Upper

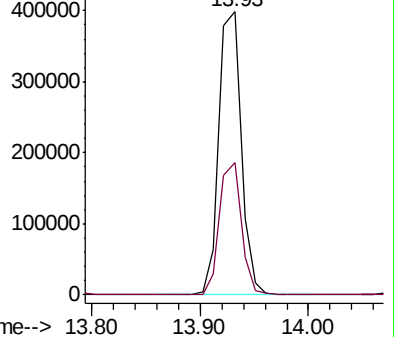
105 100

120 46.8 22.1 66.5

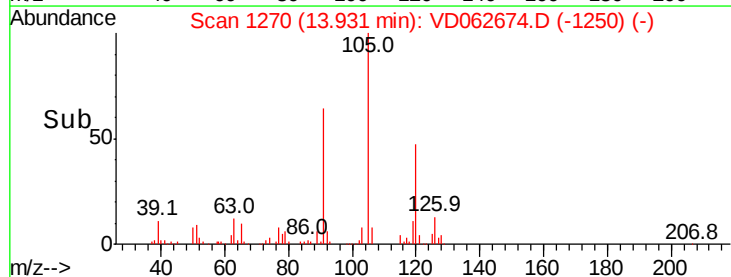


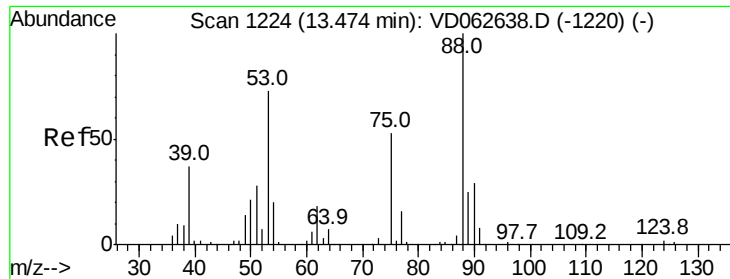
Abundance Ion 105.05 (104.75 to 105.75): VD062638.D (-1266) (-)

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



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.326 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBS01

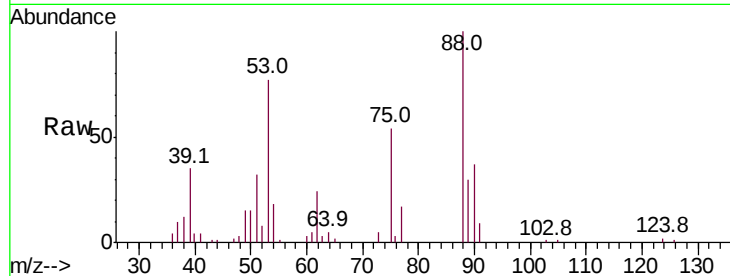
Tot Ion: 75 Resp: 32129

Ion Ratio Lower Upper

75 100

53 143.4 109.4 164.2

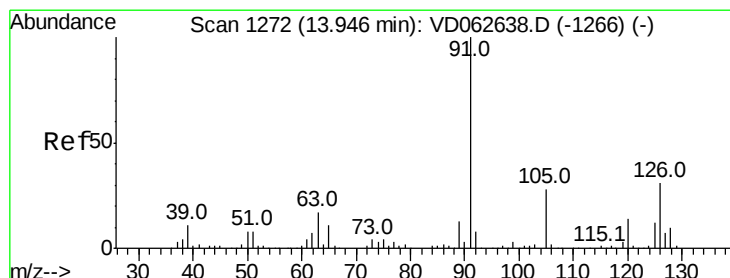
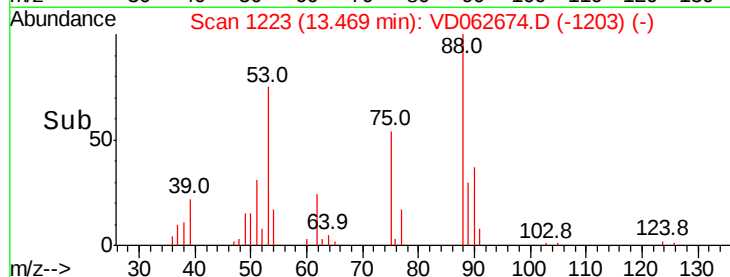
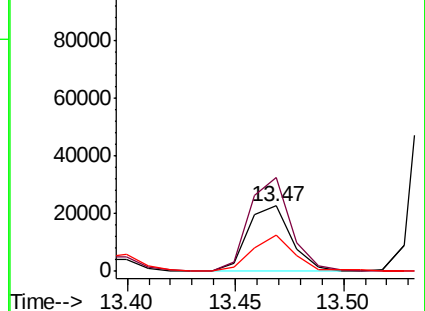
89 56.1 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.774 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062674.D

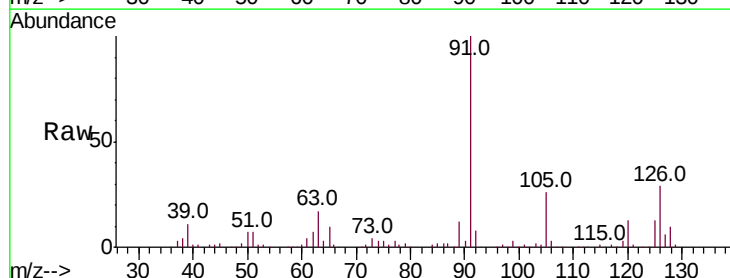
Acq: 12 Jun 2019 15:14

Tgt Ion: 91 Resp: 570365

Ion Ratio Lower Upper

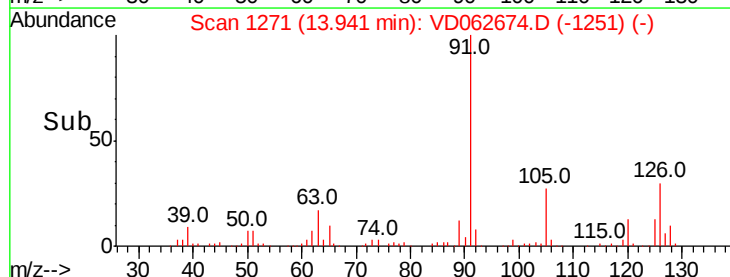
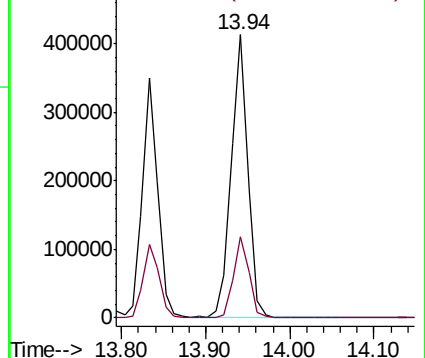
91 100

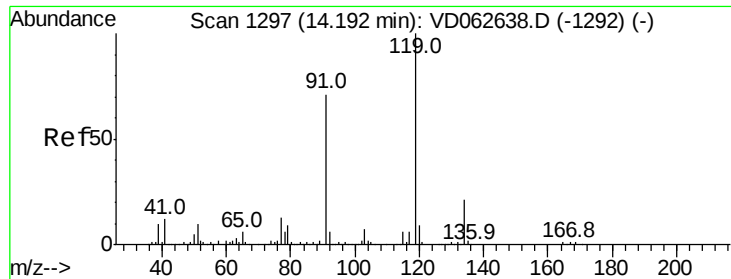
126 28.9 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

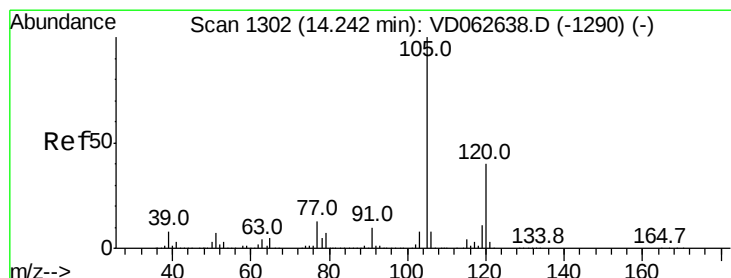
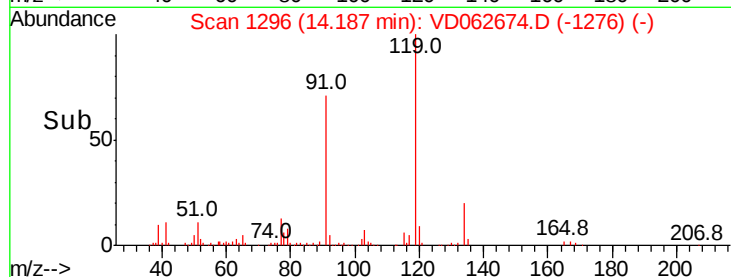
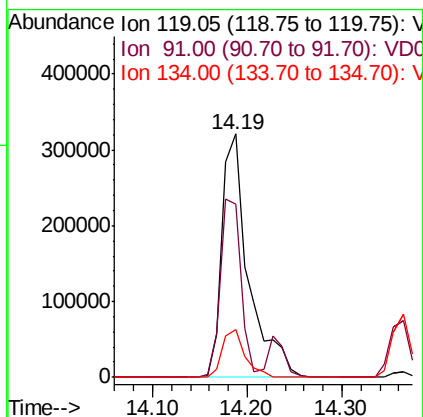
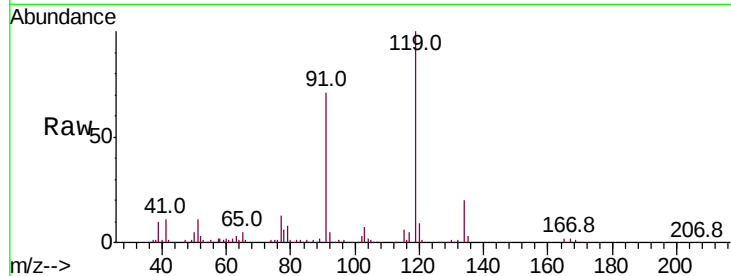




#83
tert-Butylbenzene
Concen: 19.056 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

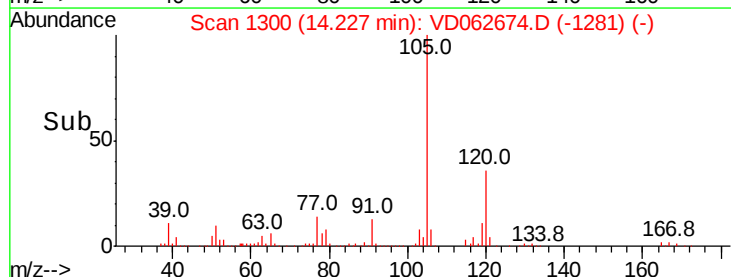
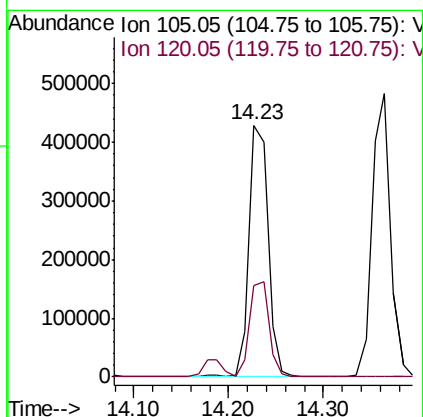
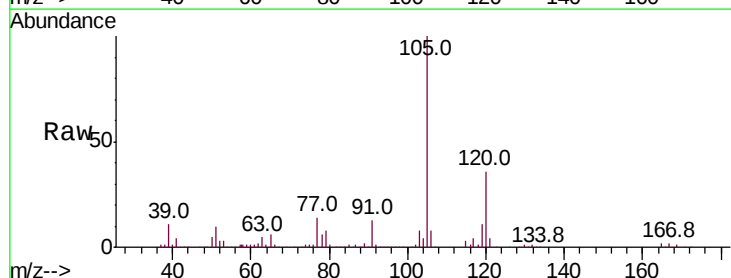
Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

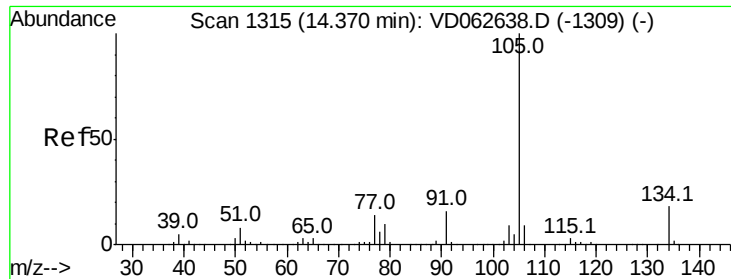
Tot Ion:119 Resp: 625128
Ion Ratio Lower Upper
119 100
91 71.0 35.4 106.1
134 19.7 10.8 32.3



#84
1,2,4-Trimethylbenzene
Concen: 20.393 ug/l
RT: 14.23 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion:105 Resp: 600538
Ion Ratio Lower Upper
105 100
120 36.2 20.3 60.8





#85

sec-Butylbenzene

Concen: 19.252 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

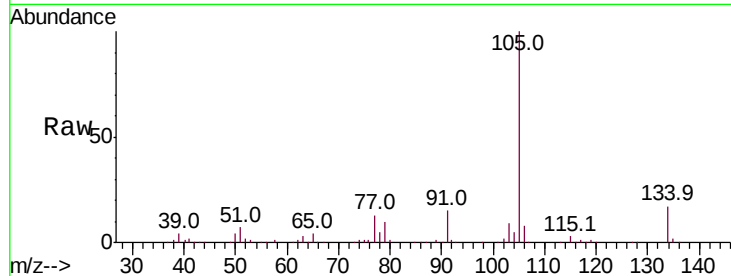
VD0612SBSD01

Tot Ion:105 Resp: 662248

Ion Ratio Lower Upper

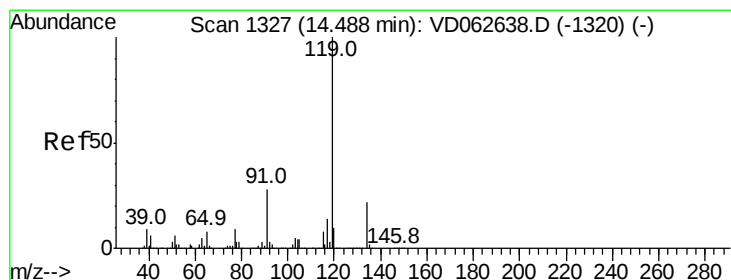
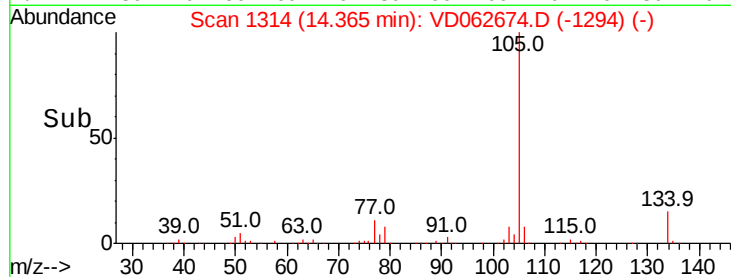
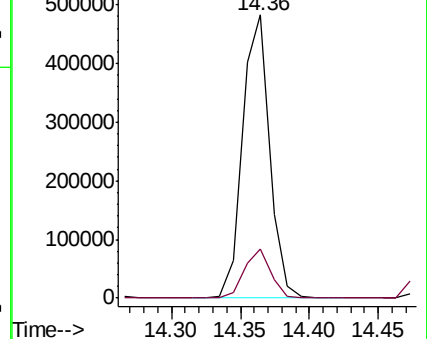
105 100

134 17.3 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: 19.800 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

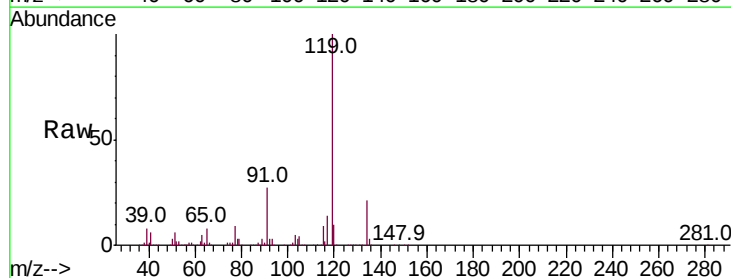
Tgt Ion:119 Resp: 663130

Ion Ratio Lower Upper

119 100

134 20.6 10.9 32.6

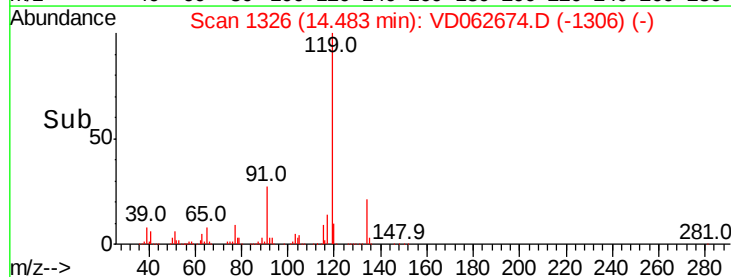
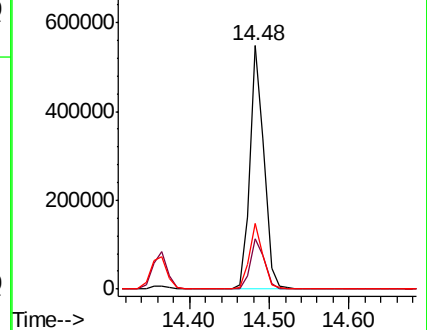
91 27.0 13.9 41.6

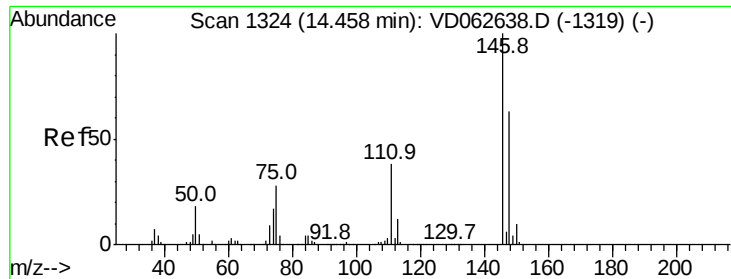


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

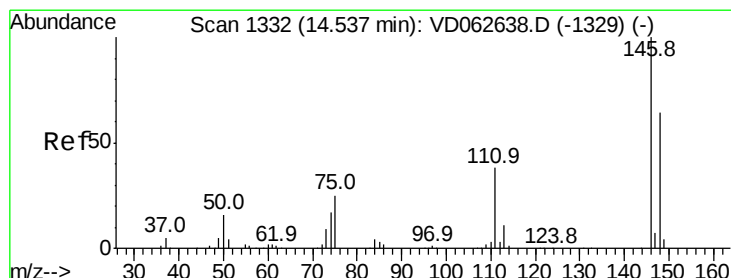
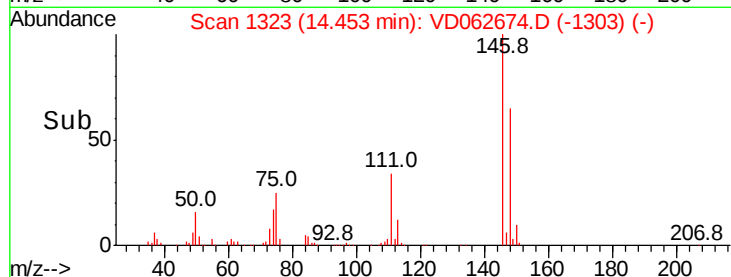
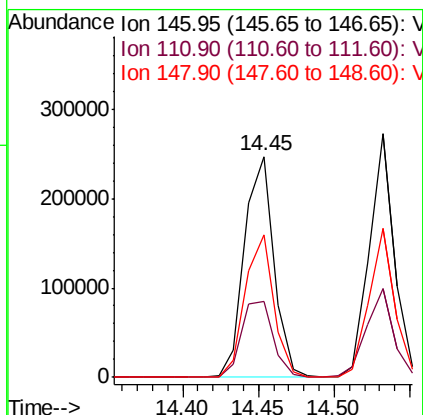
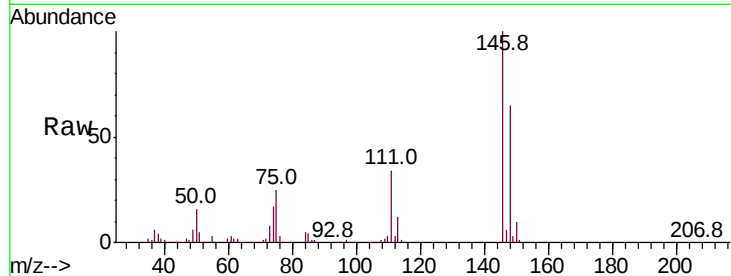




#87
 1,3-Dichlorobenzene
 Concen: 19.184 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

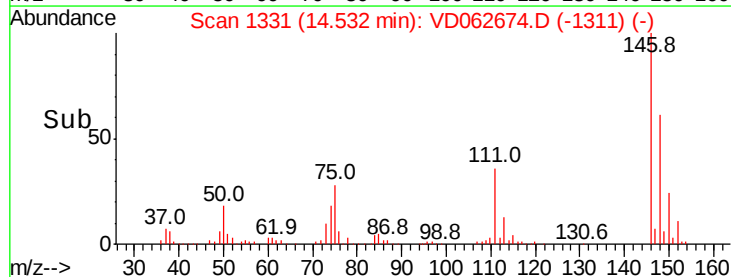
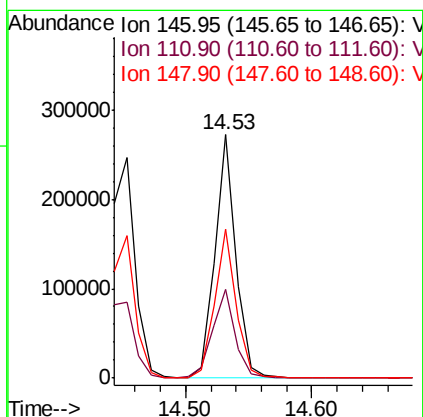
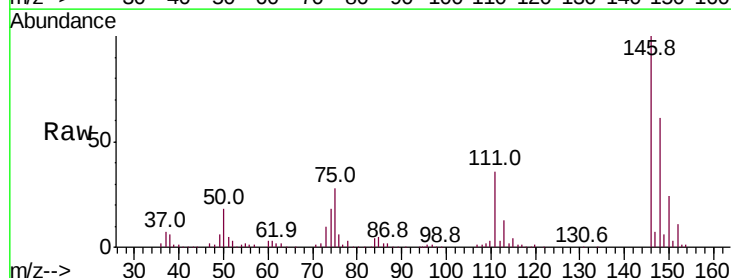
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

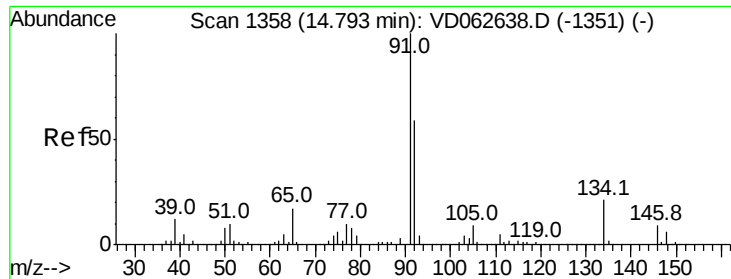
Tot Ion:146 Resp: 334284
 Ion Ratio Lower Upper
 146 100
 111 34.4 19.2 57.6
 148 64.6 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 19.194 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

Tgt Ion:146 Resp: 316079
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.9 56.7
 148 61.0 32.3 96.8

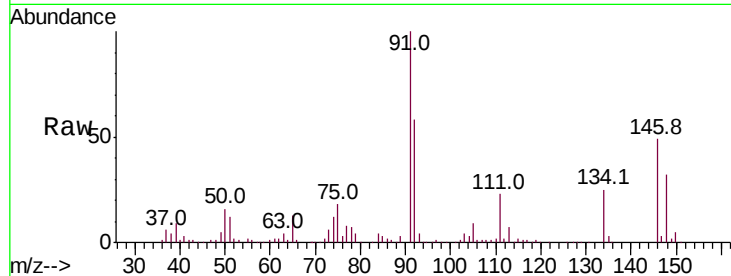




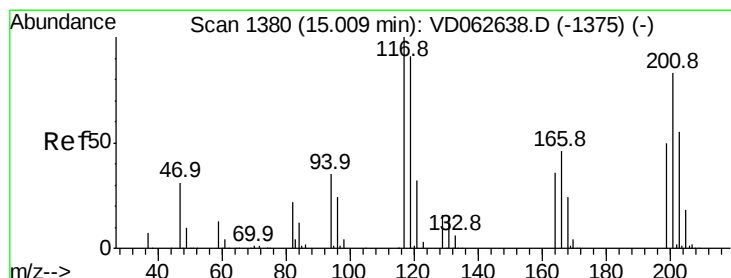
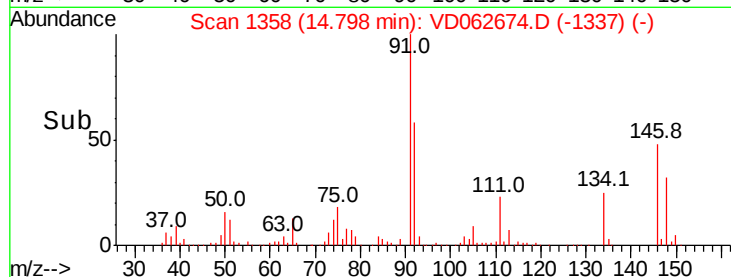
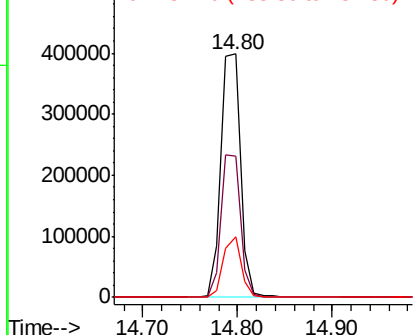
#89
n-Butylbenzene
Concen: 19.107 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion: 91 Resp: 575683
Ion Ratio Lower Upper
91 100
92 57.9 29.4 88.3
134 25.0 10.4 31.2

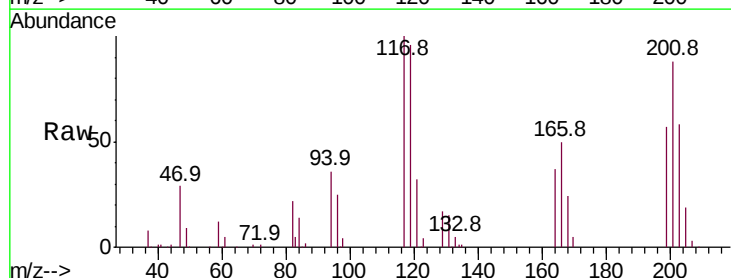


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

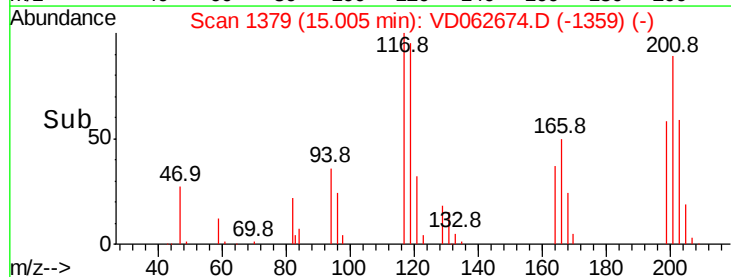
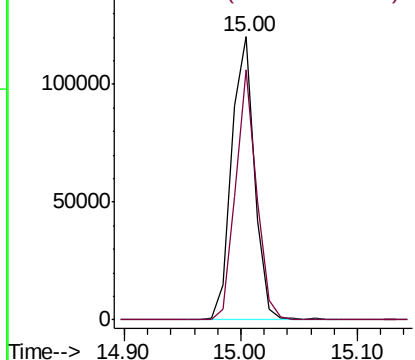


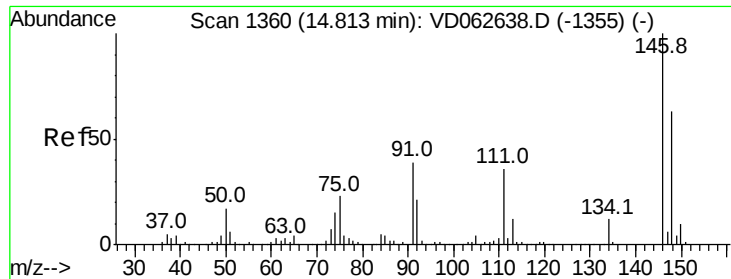
#90
Hexachloroethane
Concen: 18.419 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion: 117 Resp: 162857
Ion Ratio Lower Upper
117 100
201 88.1 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 19.478 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD0612SBSD01

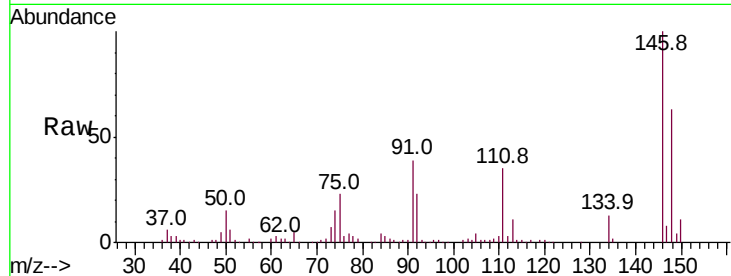
Tot Ion:146 Resp: 282138

Ion Ratio Lower Upper

146 100

111 34.6 18.1 54.3

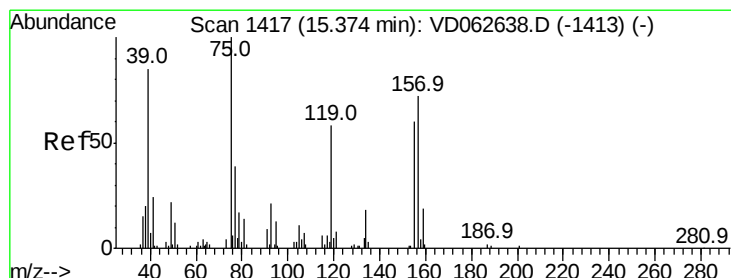
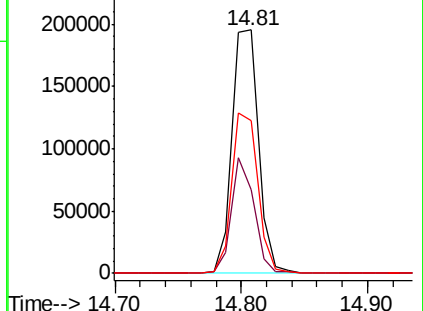
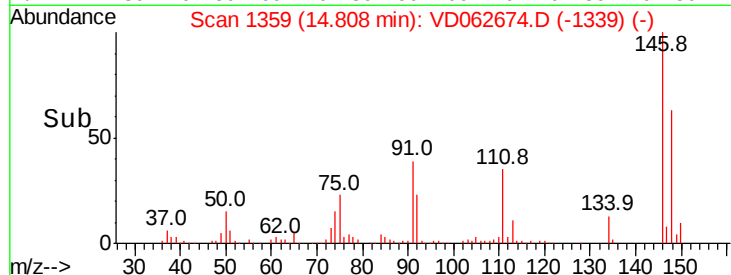
148 62.6 31.4 94.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.719 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD062674.D

Acq: 12 Jun 2019 15:14

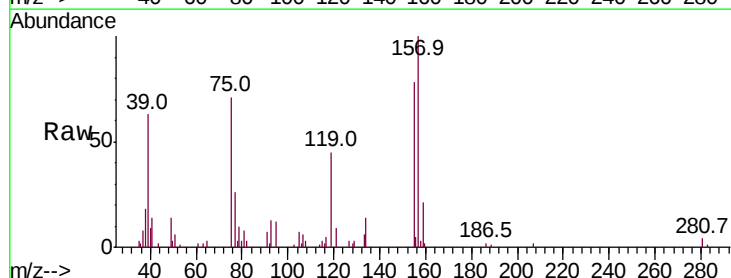
Tgt Ion: 75 Resp: 21794

Ion Ratio Lower Upper

75 100

155 108.9 30.1 90.5#

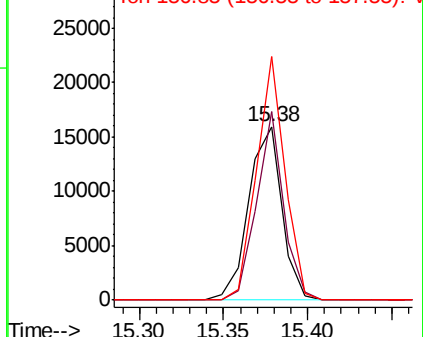
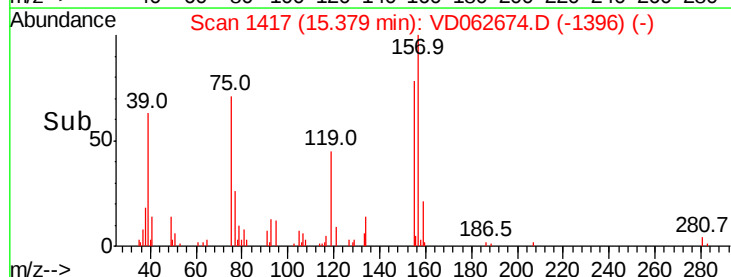
157 140.3 35.9 107.8#

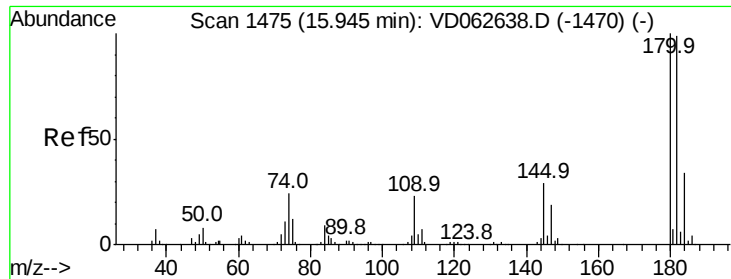


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

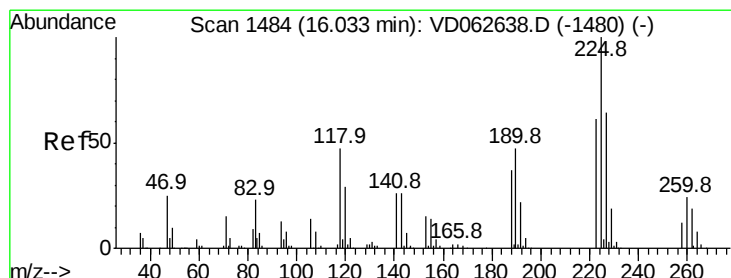
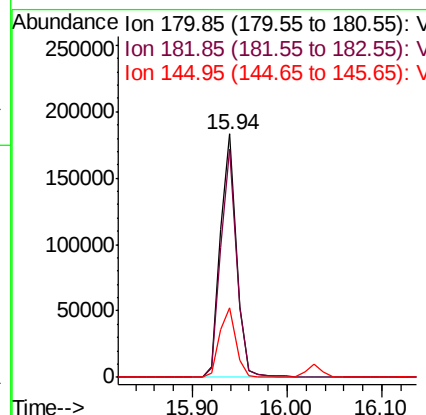
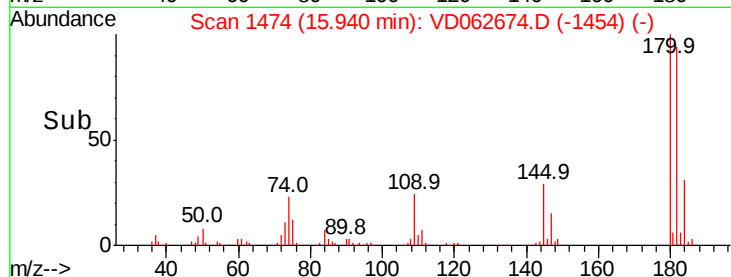
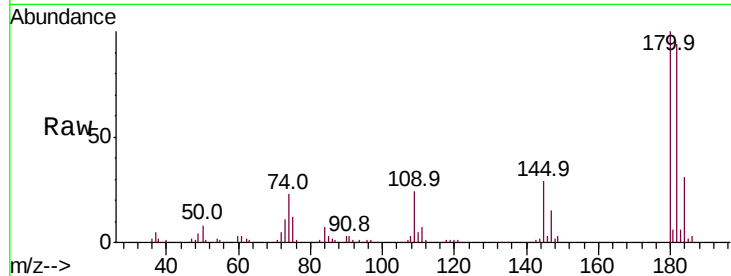




#93
 1,2,4-Trichlorobenzene
 Concen: 19.980 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

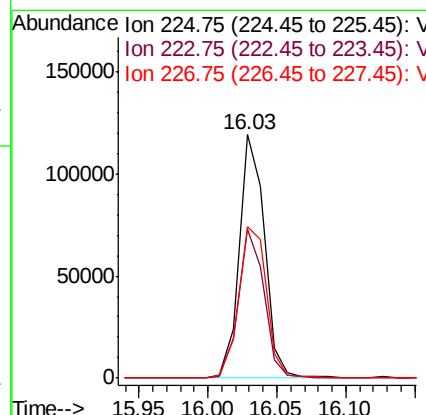
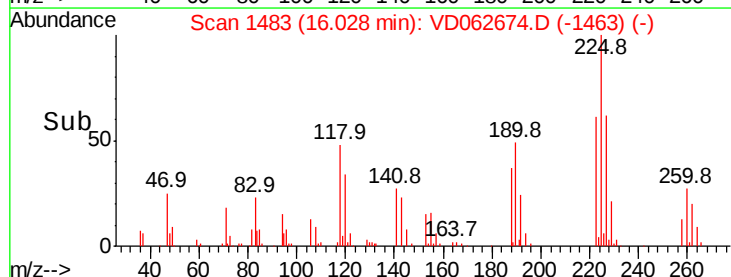
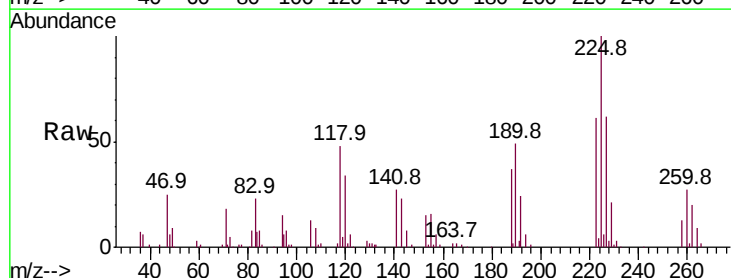
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBSD01

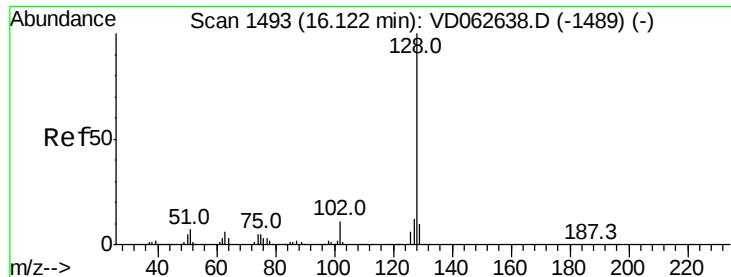
Tot Ion:180 Resp: 217162
 Ion Ratio Lower Upper
 180 100
 182 93.5 49.4 148.2
 145 28.6 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 17.902 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062674.D
 Acq: 12 Jun 2019 15:14

Tgt Ion:225 Resp: 153096
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.3 91.0
 227 62.2 31.8 95.4

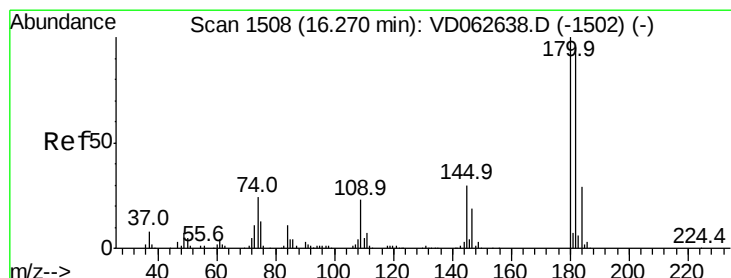
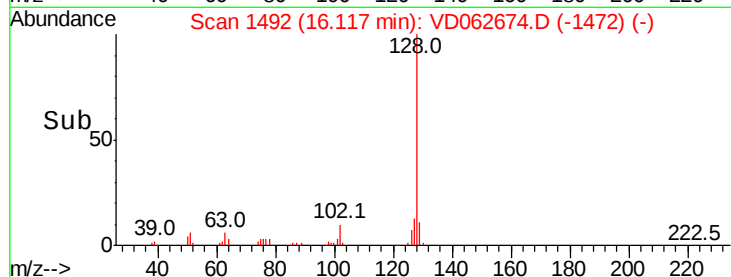
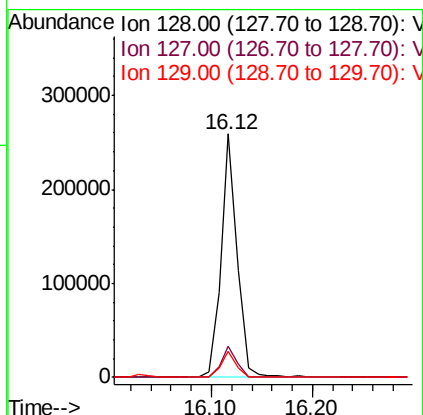
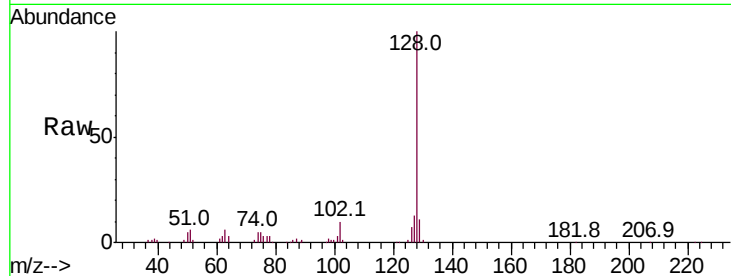




#95
Naphthalene
Concen: 19.028 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD0612SBSD01

Tot Ion:128 Resp: 289894
Ion Ratio Lower Upper
128 100
127 12.8 9.7 14.5
129 10.7 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 19.841 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062674.D
Acq: 12 Jun 2019 15:14

Tgt Ion:180 Resp: 165536
Ion Ratio Lower Upper
180 100
182 94.2 47.7 143.1
145 27.0 15.0 45.0

