

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062255.D
 Acq On : 12 May 2019 13:29
 Operator : FY/SY
 Sample : VD0512SBSD01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

Quant Time: May 13 01:31:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	879262	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	1206311	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	947383	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	493924	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	354674	43.41	ug/l	0.04
Spiked Amount	50.000		Recovery	=	86.82%	
35) Dibromofluoromethane	6.94	113	448858	44.85	ug/l	0.04
Spiked Amount	50.000		Recovery	=	89.70%	
50) Toluene-d8	10.42	98	1036849	42.97	ug/l	0.02
Spiked Amount	50.000		Recovery	=	85.94%	
62) 4-Bromofluorobenzene	13.56	95	403540	41.64	ug/l	0.01
Spiked Amount	50.000		Recovery	=	83.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	165962	19.735	ug/l	98
3) Chloromethane	1.75	50	126367	20.796	ug/l	97
4) Vinyl Chloride	1.86	62	127090	21.282	ug/l	95
5) Bromomethane	2.15	94	38124	27.245	ug/l	93
6) Chloroethane	2.26	64	59816	23.871	ug/l	99
7) Trichlorofluoromethane	2.53	101	280241	24.138	ug/l	91
8) Diethyl Ether	2.88	74	41243	18.419	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.16	101	203337	23.152	ug/l	97
10) Methyl Iodide	3.32	142	211660	15.946	ug/l #	87
11) Tert butyl alcohol	4.09	59	41510	99.523	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	145470	21.698	ug/l	95
13) Acrolein	3.05	56	37186	86.199	ug/l	99
14) Allyl chloride	3.63	41	218739	22.440	ug/l	92
15) Acrylonitrile	4.20	53	114845	104.757	ug/l	89
16) Acetone	3.23	43	191972	112.031	ug/l	91
17) Carbon Disulfide	3.38	76	357271	18.525	ug/l	98
18) Methyl Acetate	3.65	43	59638	19.273	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	291475	20.283	ug/l	94
20) Methylene Chloride	3.82	84	153674	21.479	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	148301	19.879	ug/l	96
22) Diisopropyl ether	5.13	45	482951	23.282	ug/l	92
23) Vinyl Acetate	5.07	43	1305872	119.319	ug/l	98
24) 1,1-Dichloroethane	5.00	63	282719	22.593	ug/l	98
25) 2-Butanone	6.08	43	211635	113.229	ug/l	97
26) 2,2-Dichloropropane	6.04	77	295227	23.684	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	182501	21.855	ug/l	96
28) Bromochloromethane	6.45	49	113844	23.123	ug/l	81
29) Tetrahydrofuran	6.47	42	85566	99.357	ug/l	95
30) Chloroform	6.68	83	338562	22.449	ug/l	98
31) Cyclohexane	6.97	56	166366	19.405	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	331577	23.261	ug/l	100
36) 1,1-Dichloropropene	7.16	75	235843	23.845	ug/l	96
37) Ethyl Acetate	6.20	43	90727	21.630	ug/l #	91
38) Carbon Tetrachloride	7.12	117	331720	24.232	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	207368	21.883	ug/l	94
40) Benzene	7.47	78	491109	21.989	ug/l	97
41) Methacrylonitrile	6.46	41	110931	21.642	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	218650	23.107	ug/l	96
43) Isopropyl Acetate	9.25	43	125048	21.021	ug/l	95
44) Trichloroethene	8.55	130	188555	22.155	ug/l	89
45) 1,2-Dichloropropane	8.95	63	118719	21.490	ug/l	90
46) Dibromomethane	9.07	93	95727	21.309	ug/l	90
47) Bromodichloromethane	9.39	83	252530	22.981	ug/l	97
48) Methyl methacrylate	9.13	41	88449	24.139	ug/l	90
49) 1,4-Dioxane	9.09	88	16649	421.126	ug/l #	91
51) 4-Methyl-2-Pentanone	10.31	43	414873	108.495	ug/l	97
52) Toluene	10.52	92	332778	22.900	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	207412	21.840	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	227000	21.910	ug/l #	90
55) 1,1,2-Trichloroethane	11.20	97	114557	22.280	ug/l	96
56) Ethyl methacrylate	11.05	69	109632	20.519	ug/l #	92
57) 1,3-Dichloropropane	11.42	76	176922	22.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	318942	109.284	ug/l	96
59) 2-Hexanone	11.54	43	320332	113.660	ug/l	94
60) Dibromochloromethane	11.70	129	194931	21.938	ug/l	96
61) 1,2-Dibromoethane	11.82	107	128874	20.617	ug/l	97
64) Tetrachloroethene	11.27	164	169054	22.820	ug/l	95
65) Chlorobenzene	12.41	112	392382	22.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	173824	22.635	ug/l	94
67) Ethyl Benzene	12.54	91	677512	22.935	ug/l	97
68) m/p-Xylenes	12.68	106	470058	43.736	ug/l	97
69) o-Xylene	13.06	106	241518	24.171	ug/l	95
70) Styrene	13.08	104	410231	24.236	ug/l	96
71) Bromoform	13.25	173	122196	22.871	ug/l #	96
73) Isopropylbenzene	13.41	105	679443	22.948	ug/l	94
74) N-amyl acetate	13.27	43	175558	22.616	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	126560	22.580	ug/l	92
76) 1,2,3-Trichloropropane	13.74	75	142239	24.232	ug/l	98
77) Bromobenzene	13.68	156	194449	23.461	ug/l	95
78) n-propylbenzene	13.79	91	911458	25.807	ug/l	100
79) 2-Chlorotoluene	13.85	91	450898	22.291	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	597333	23.959	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	35415	21.372	ug/l #	82
82) 4-Chlorotoluene	13.95	91	588740	24.734	ug/l	85
83) tert-Butylbenzene	14.20	119	630055	22.483	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	578491	23.122	ug/l	93
85) sec-Butylbenzene	14.38	105	754965	24.572	ug/l	98
86) p-Isopropyltoluene	14.49	119	626802	22.834	ug/l	90
87) 1,3-Dichlorobenzene	14.47	146	318108	21.010	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	330204	22.196	ug/l	98
89) n-Butylbenzene	14.81	91	625331	25.380	ug/l	98
90) Hexachloroethane	15.02	117	176325	23.620	ug/l	81
91) 1,2-Dichlorobenzene	14.82	146	310949	24.937	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	20986	22.809	ug/l	95

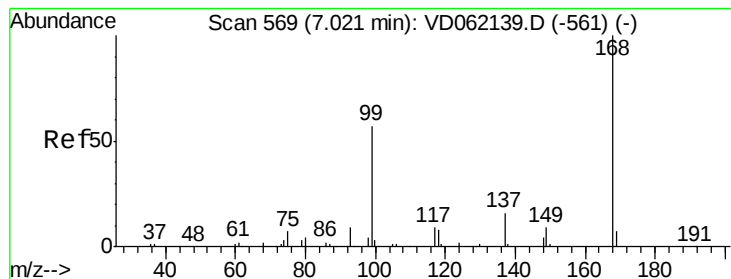
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	220280	24.271	ug/l	92
94) Hexachlorobutadiene	16.05	225	164377	24.351	ug/l	99
95) Naphthalene	16.13	128	255248	20.144	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	159142	27.889	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

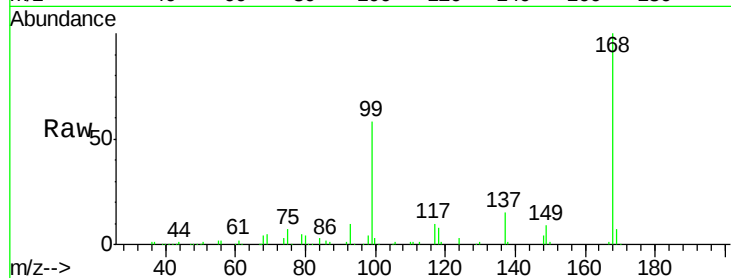
VD0512SBSD01

Tot Ion:168 Resp: 879262

Ion Ratio Lower Upper

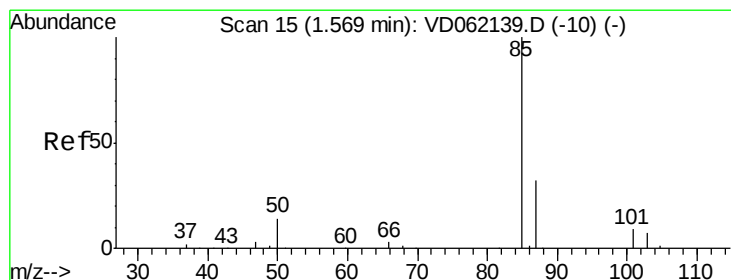
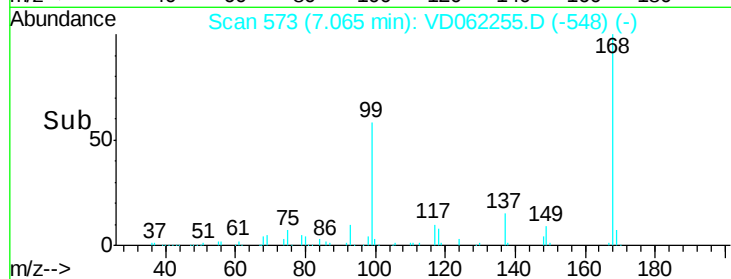
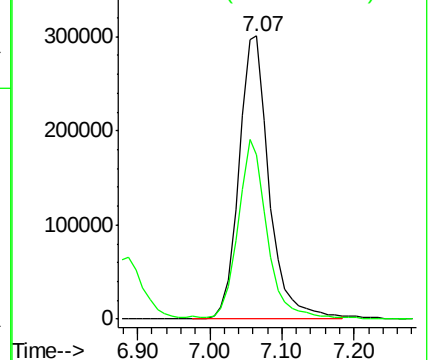
168 100

99 58.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.735 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062255.D

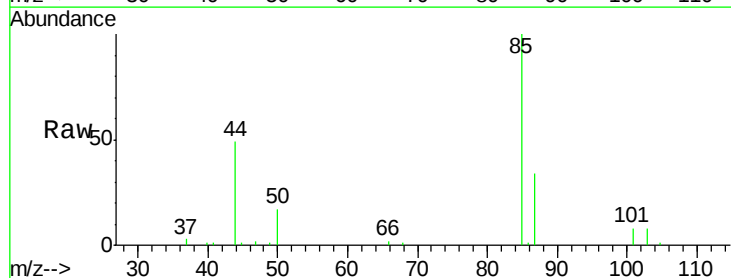
Acq: 12 May 2019 13:29

Tgt Ion: 85 Resp: 165962

Ion Ratio Lower Upper

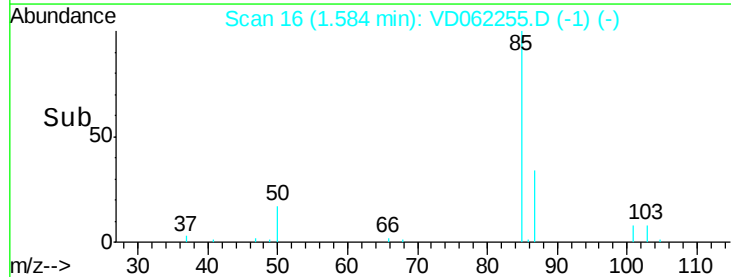
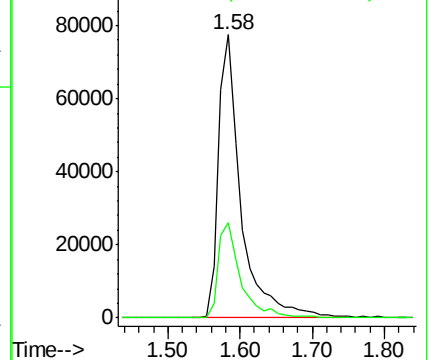
85 100

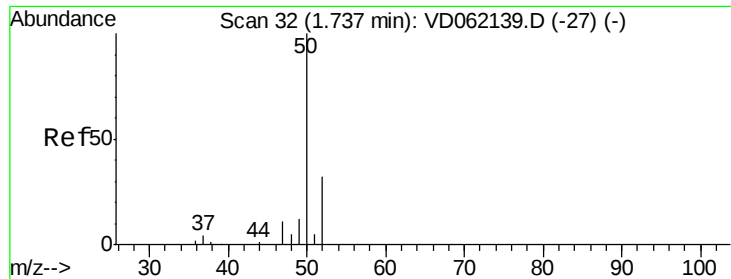
87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.796 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

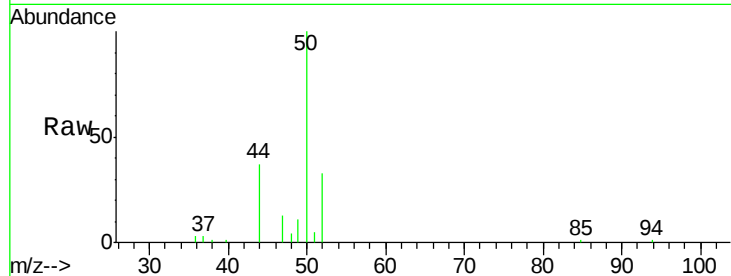
VD0512SBSD01

Tot Ion: 50 Resp: 126367

Ion Ratio Lower Upper

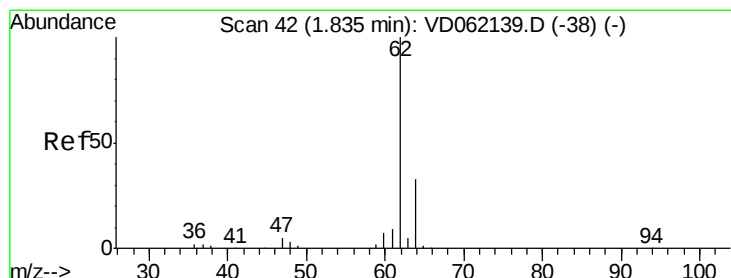
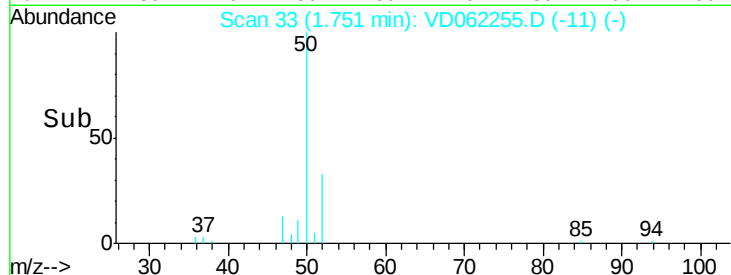
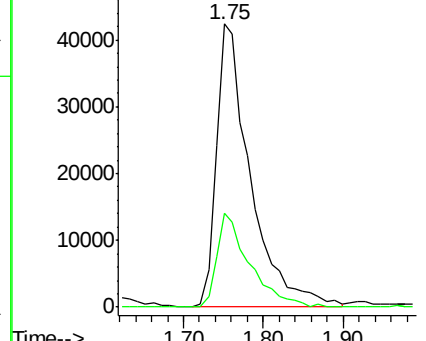
50 100

52 33.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.282 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062255.D

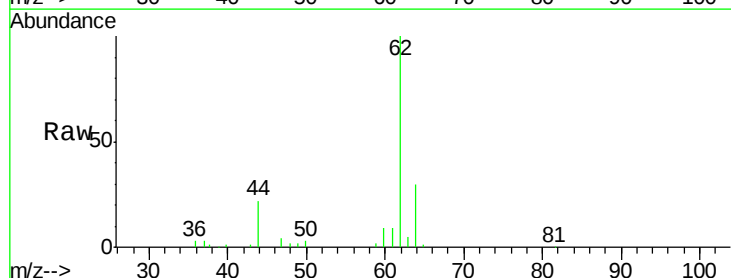
Acq: 12 May 2019 13:29

Tgt Ion: 62 Resp: 127090

Ion Ratio Lower Upper

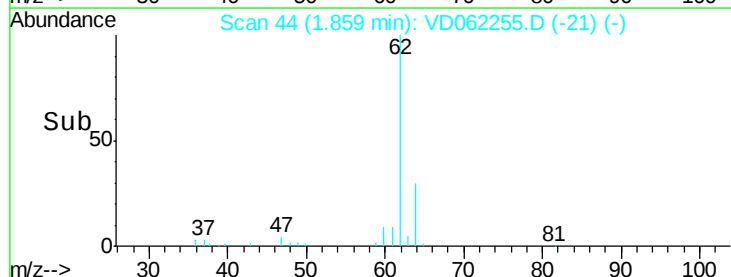
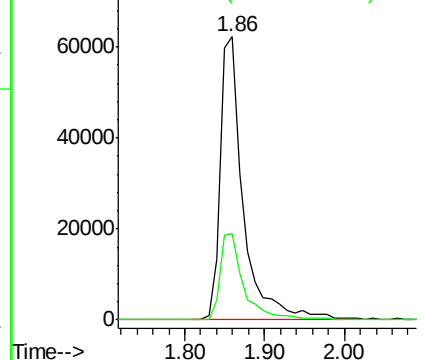
62 100

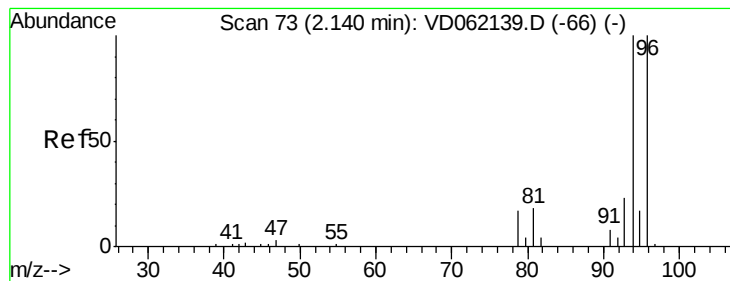
64 30.5 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 27.245 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

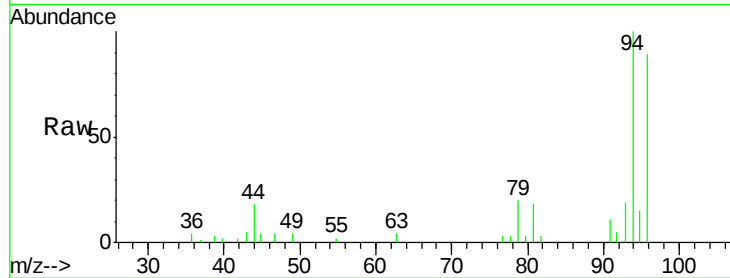
Tot Ion: 94 Resp: 38124

Ion Ratio Lower Upper

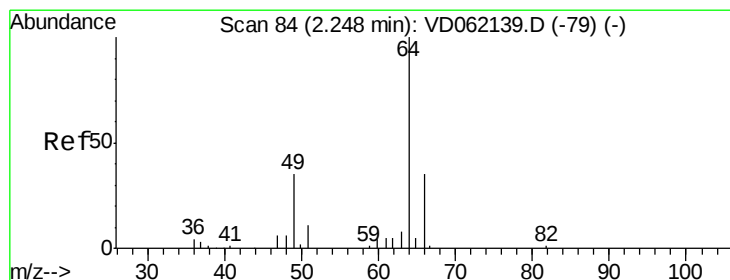
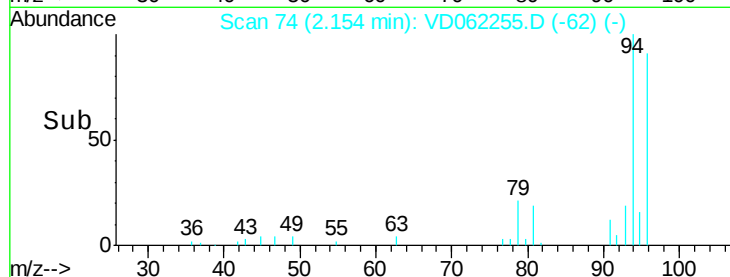
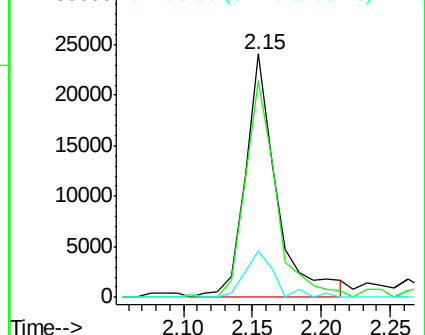
94 100

96 89.2 76.6 115.0

93 18.9 18.5 27.7



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: 23.871 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062255.D

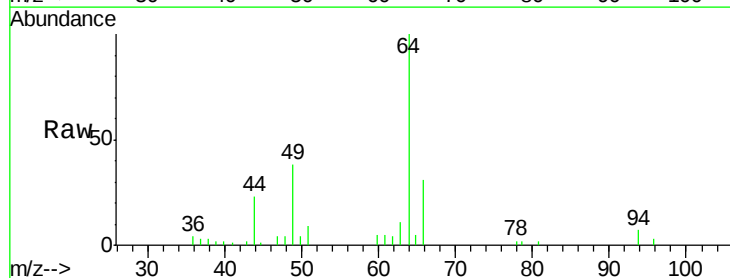
Acq: 12 May 2019 13:29

Tgt Ion: 64 Resp: 59816

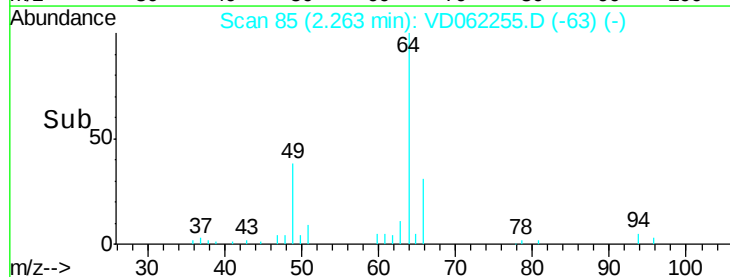
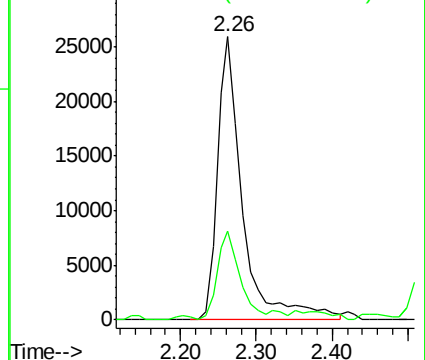
Ion Ratio Lower Upper

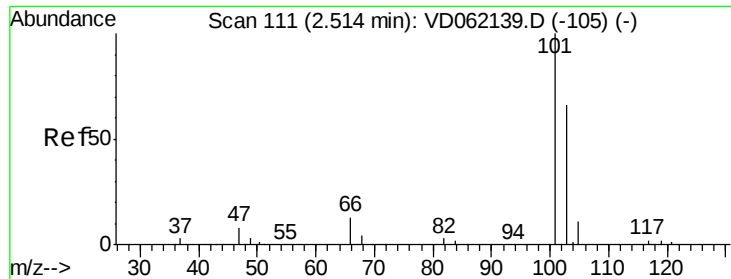
64 100

66 31.2 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



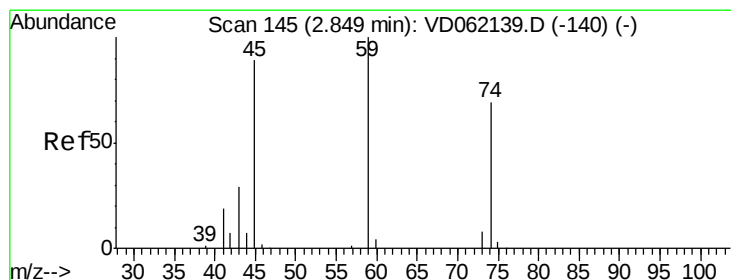
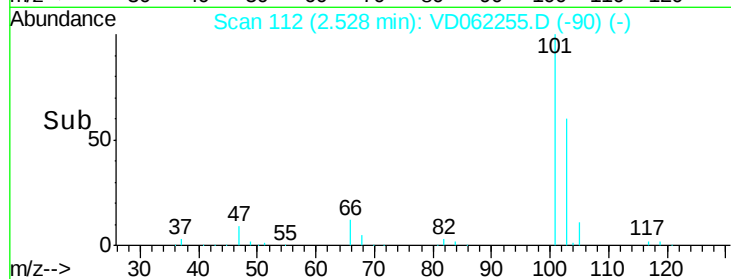
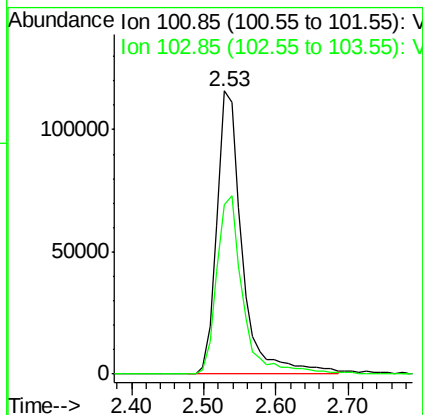
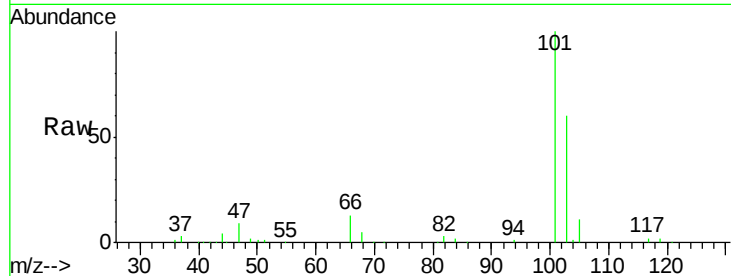


#7

Trichlorofluoromethane
 Concen: 24.138 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Instrument :
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 VD0512SBSD01

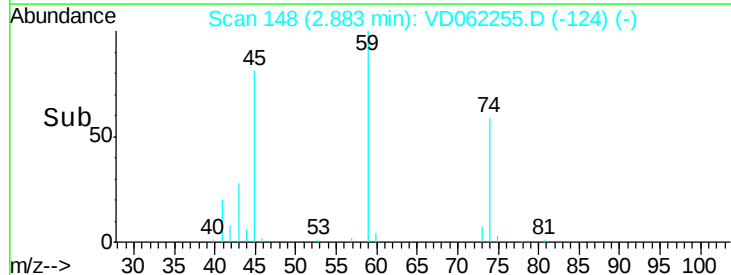
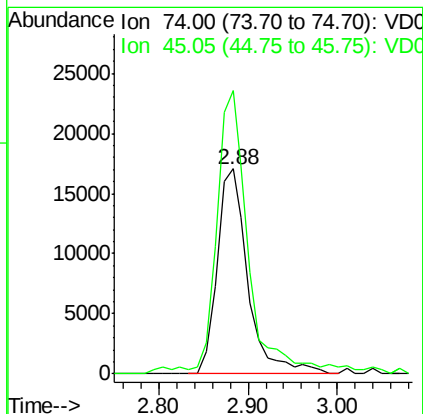
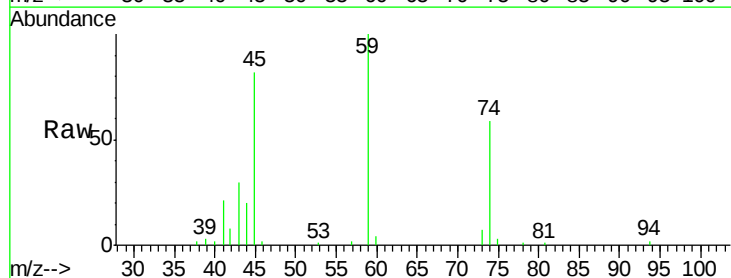
Tot Ion:101 Resp: 280241
 Ion Ratio Lower Upper
 101 100
 103 60.0 53.6 80.4

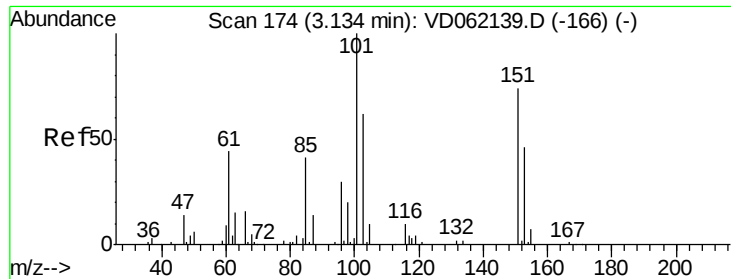


#8

Diethyl Ether
 Concen: 18.419 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion: 74 Resp: 41243
 Ion Ratio Lower Upper
 74 100
 45 142.1 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.152 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

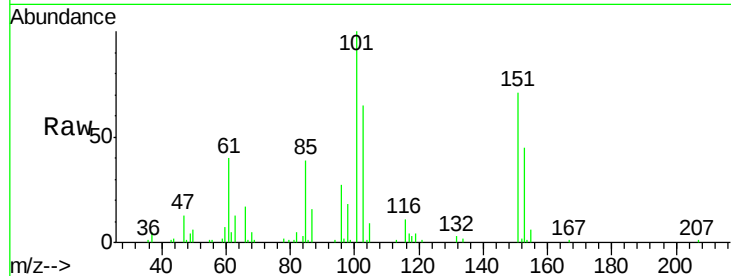
Tot Ion:101 Resp: 203337

Ion Ratio Lower Upper

101 100

85 40.0 32.4 48.6

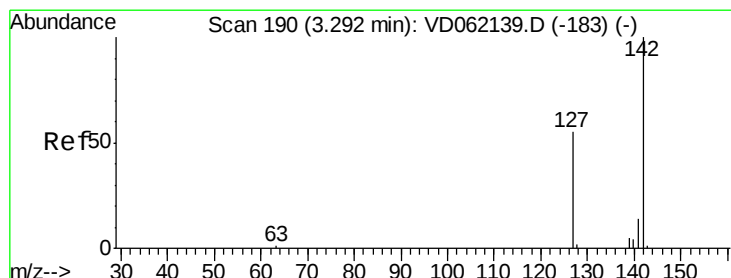
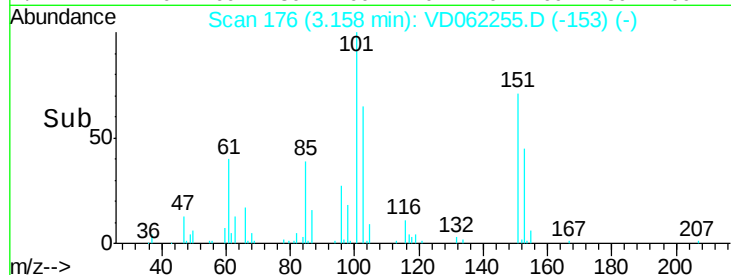
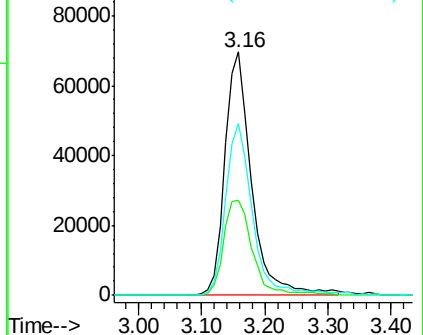
151 70.6 59.4 89.0



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: 15.946 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

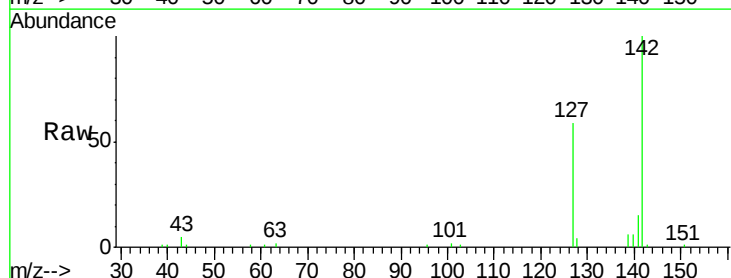
Tgt Ion:142 Resp: 211660

Ion Ratio Lower Upper

142 100

127 59.5 38.8 58.2#

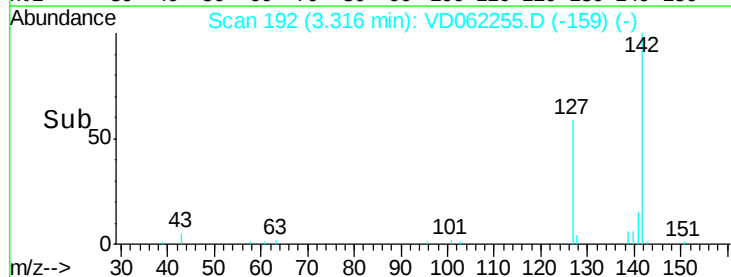
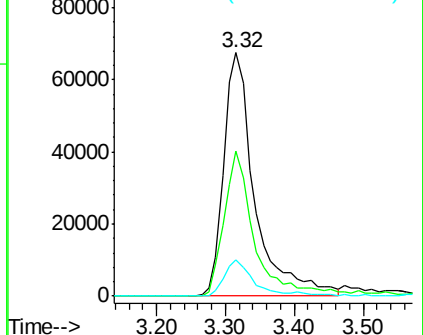
141 15.0 11.4 17.0



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

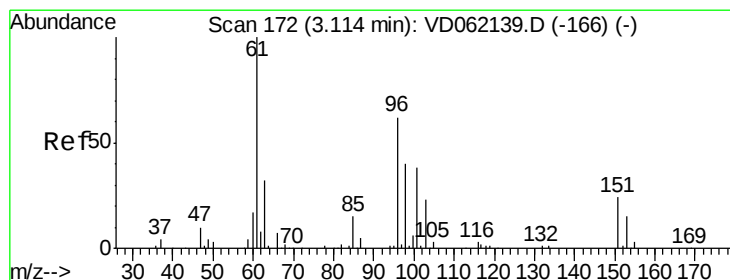
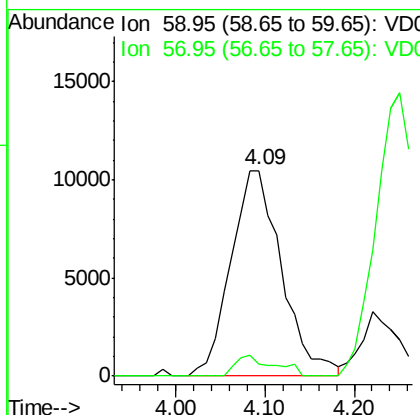
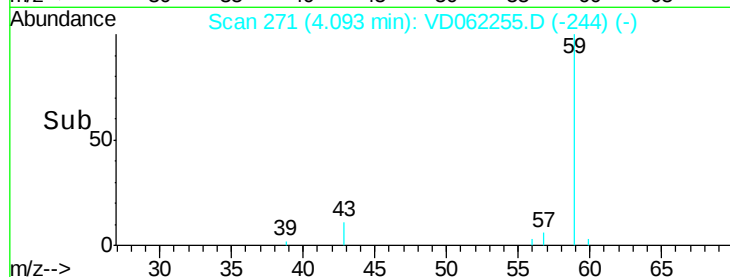
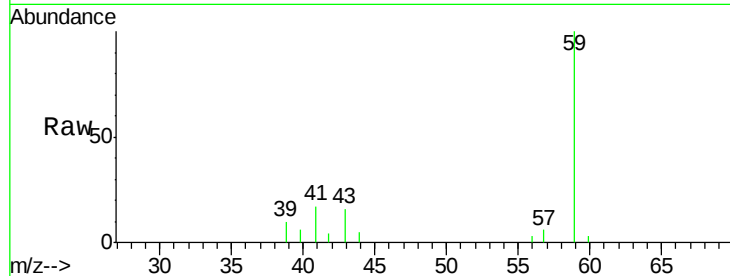




#11
Tert butyl alcohol
Concen: 99.523 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.06 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

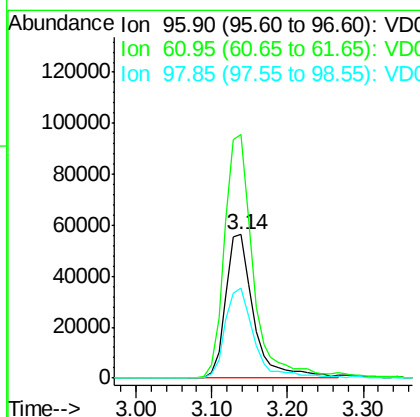
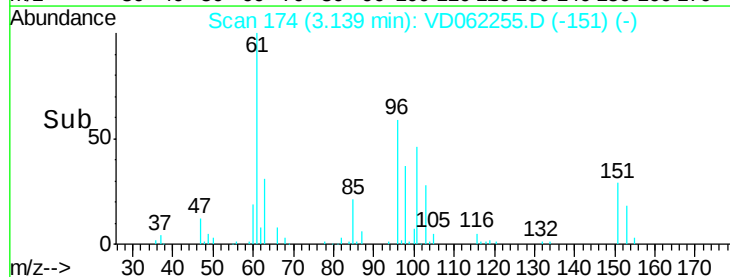
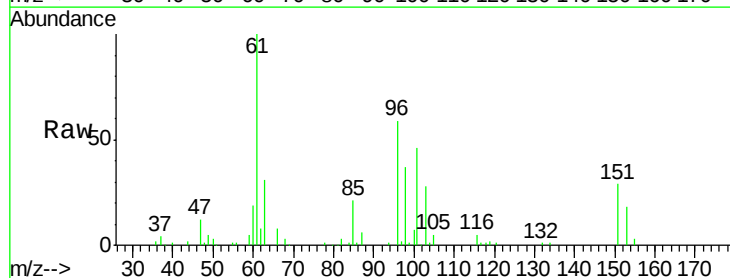
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

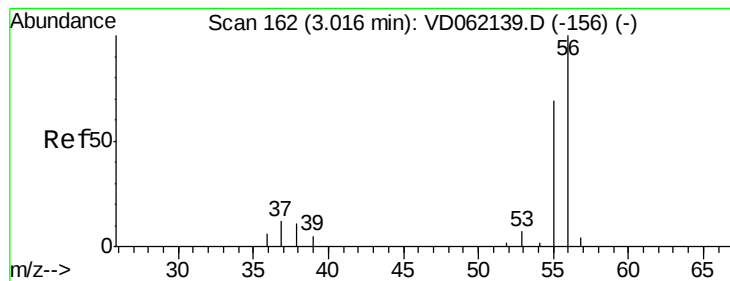
Tot Ion: 59 Resp: 41510
Ion Ratio Lower Upper
59 100
57 6.1 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 21.698 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 96 Resp: 145470
Ion Ratio Lower Upper
96 100
61 169.6 129.8 194.8
98 62.4 51.2 76.8





#13

Acrolein

Concen: 86.199 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

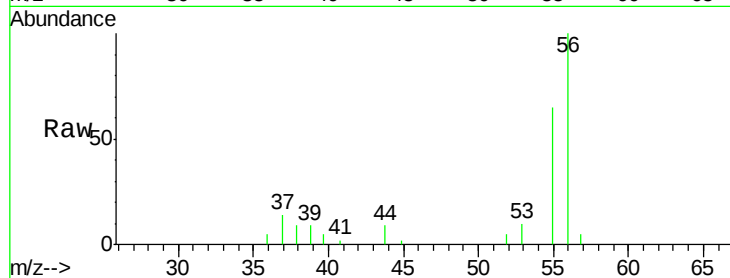
VD0512SBS01

Tot Ion: 56 Resp: 37186

Ion Ratio Lower Upper

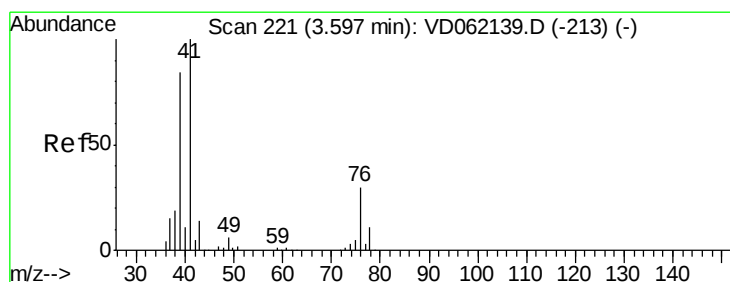
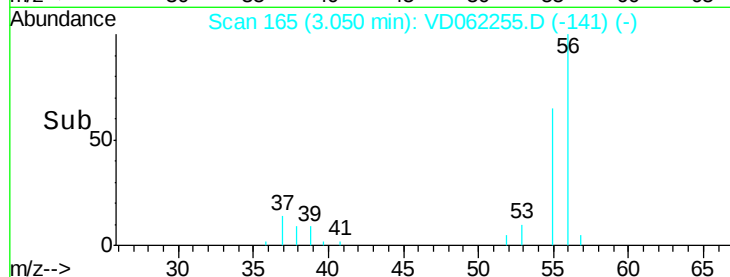
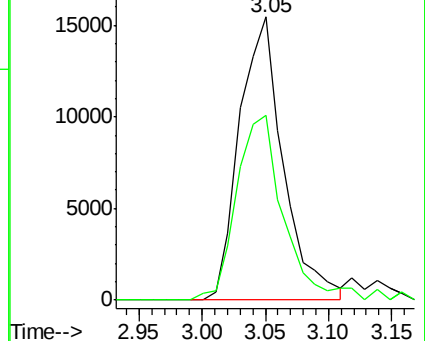
56 100

55 65.3 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.440 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

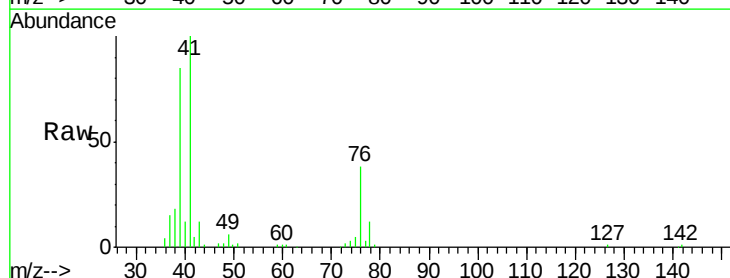
Tgt Ion: 41 Resp: 218739

Ion Ratio Lower Upper

41 100

39 85.4 60.5 90.7

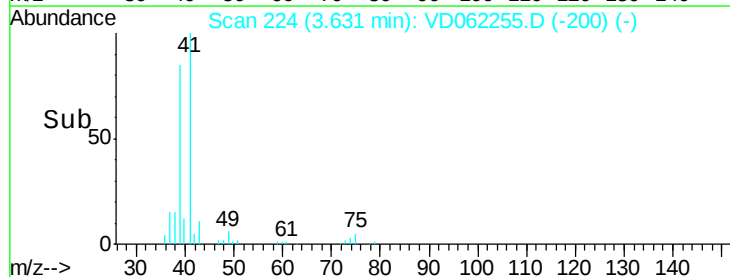
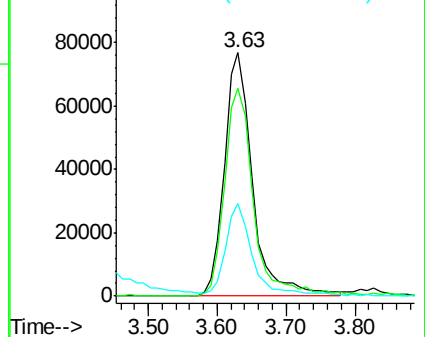
76 38.3 31.8 47.8

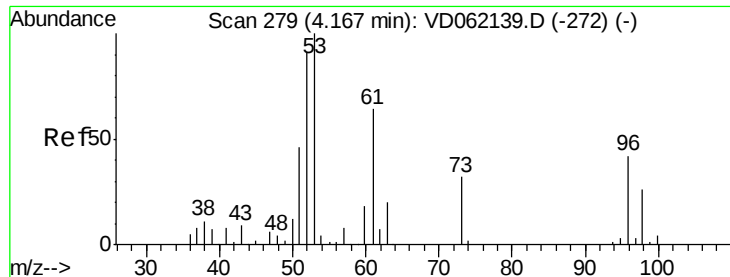


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 104.757 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

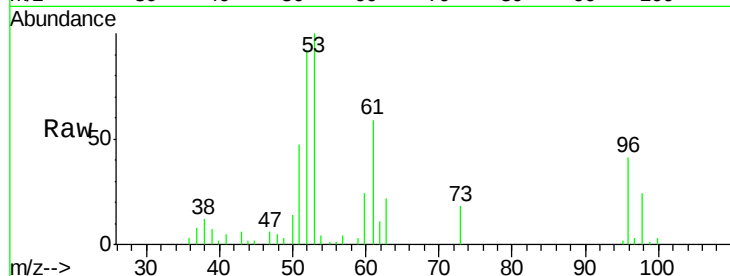
Tot Ion: 53 Resp: 114845

Ion Ratio Lower Upper

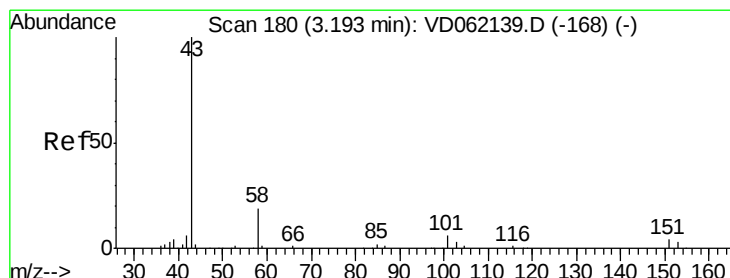
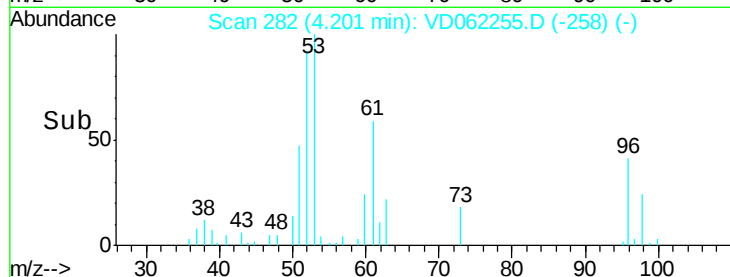
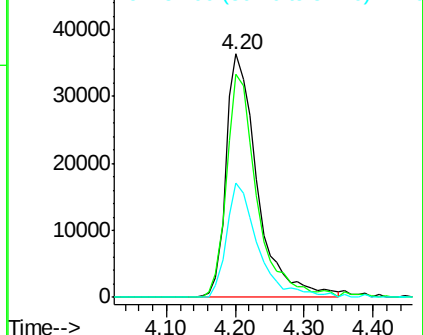
53 100

52 91.7 65.0 97.4

51 46.9 32.6 48.8



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: 112.031 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062255.D

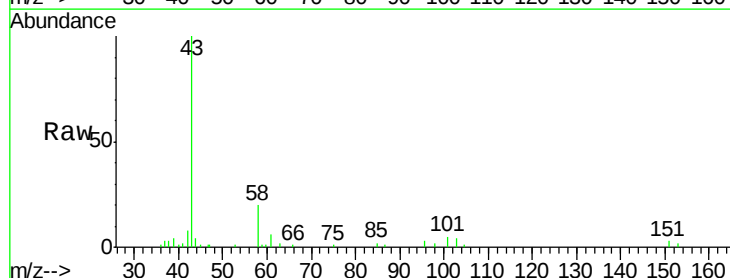
Acq: 12 May 2019 13:29

Tgt Ion: 43 Resp: 191972

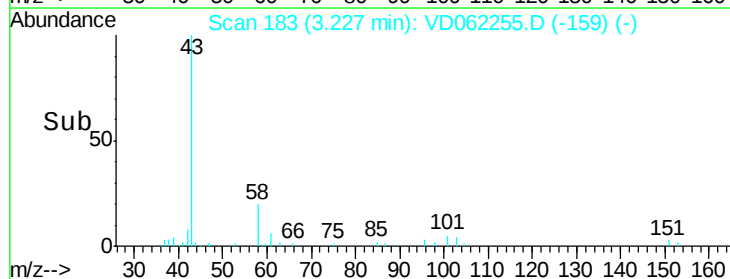
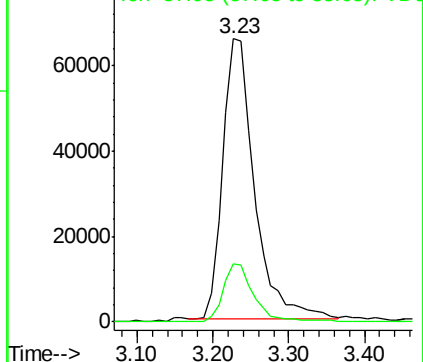
Ion Ratio Lower Upper

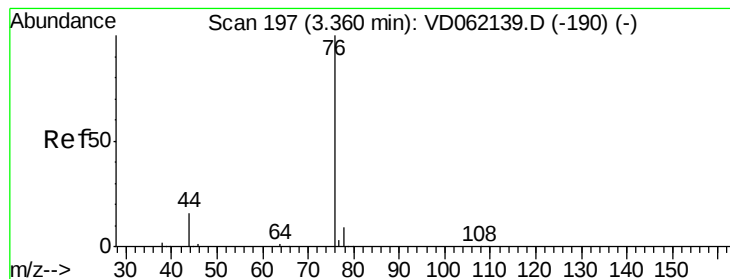
43 100

58 20.4 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 18.525 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

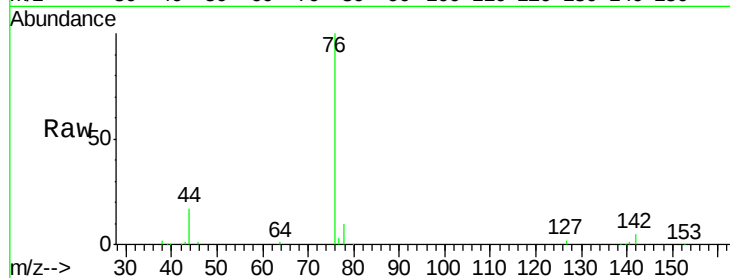
VD0512SBSD01

Tot Ion: 76 Resp: 357271

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

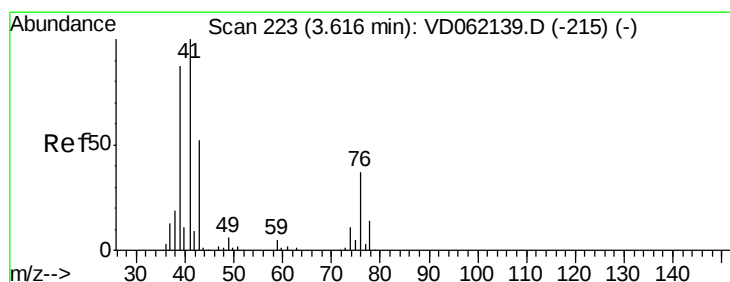
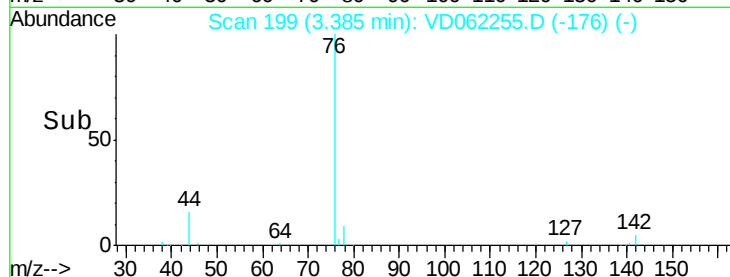
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.273 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD062255.D

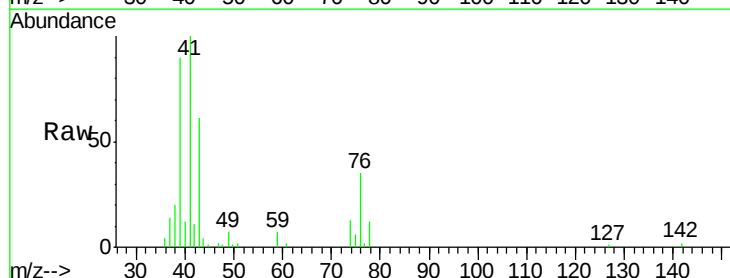
Acq: 12 May 2019 13:29

Tgt Ion: 43 Resp: 59638

Ion Ratio Lower Upper

43 100

74 21.8 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

25000

20000

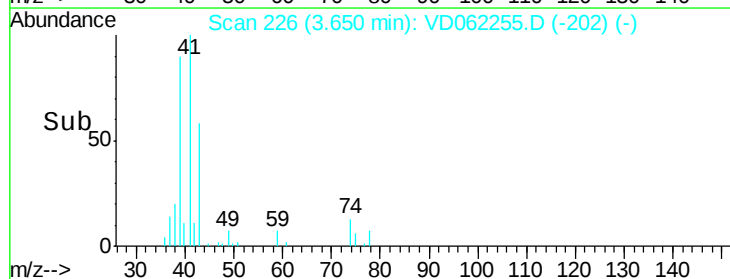
15000

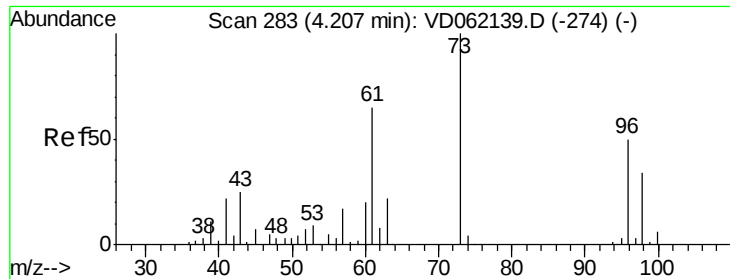
10000

5000

0

Time-->

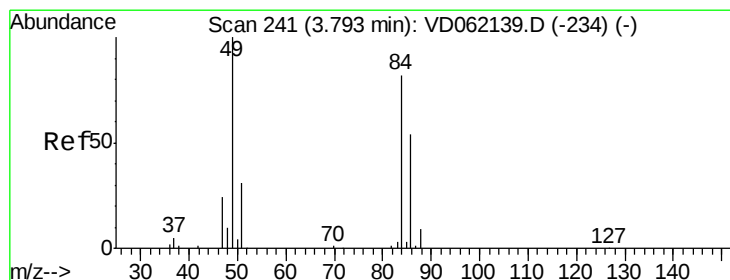
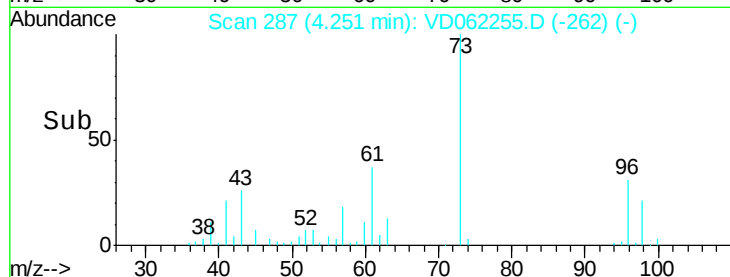
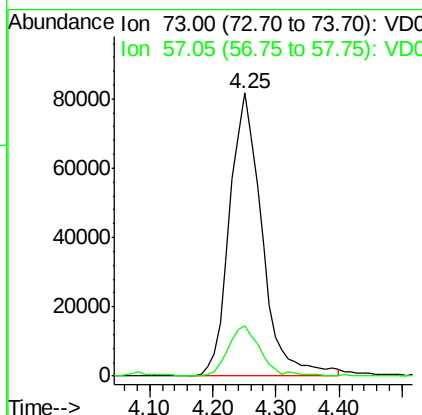
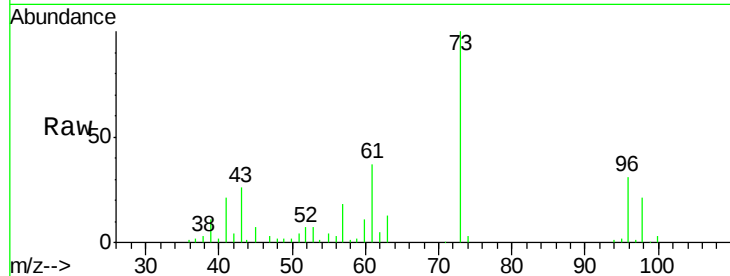




#19
Methvl tert-butvl Ether
Concen: 20.283 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

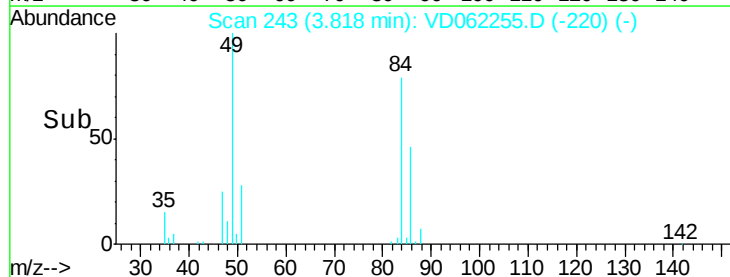
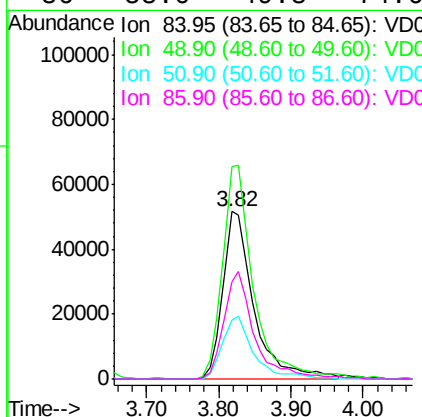
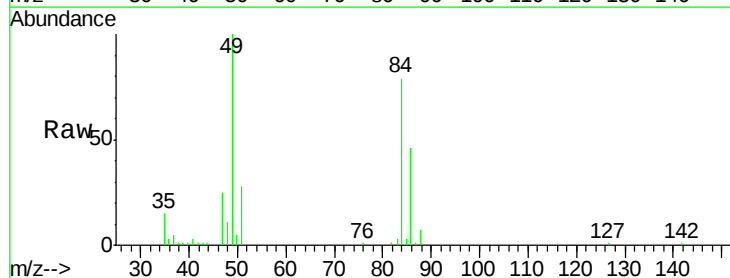
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion: 73 Resp: 291475
Ion Ratio Lower Upper
73 100
57 17.7 16.3 24.5



#20
Methylene Chloride
Concen: 21.479 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 84 Resp: 153674
Ion Ratio Lower Upper
84 100
49 127.3 94.0 141.0
51 35.1 29.0 43.4
86 58.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.879 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

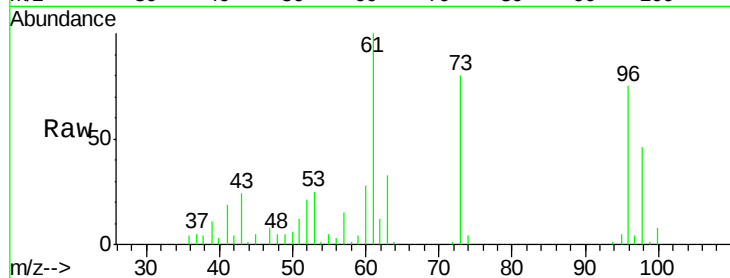
Tot Ion: 96 Resp: 148301

Ion Ratio Lower Upper

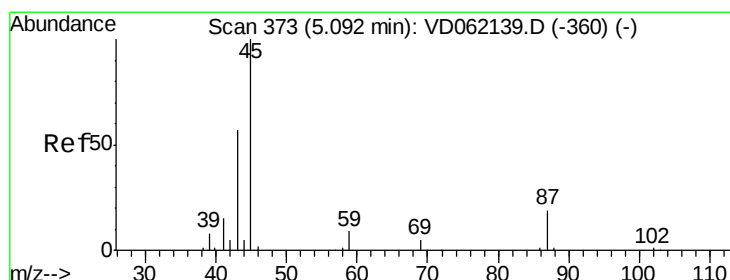
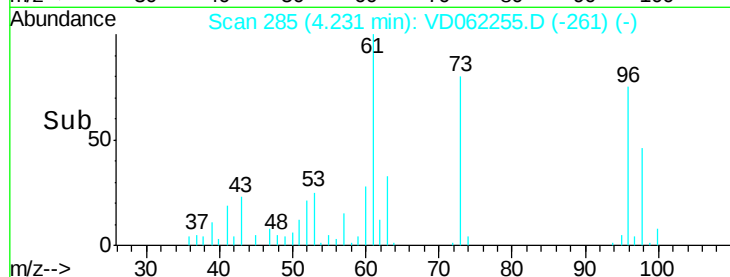
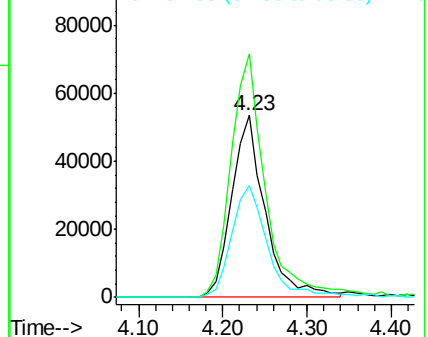
96 100

61 134.1 104.4 156.6

98 61.3 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: 23.282 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Tgt Ion: 45 Resp: 482951

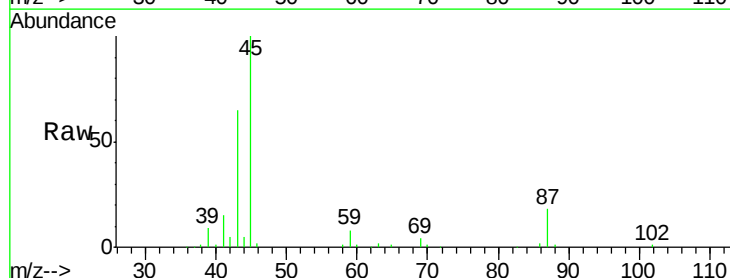
Ion Ratio Lower Upper

45 100

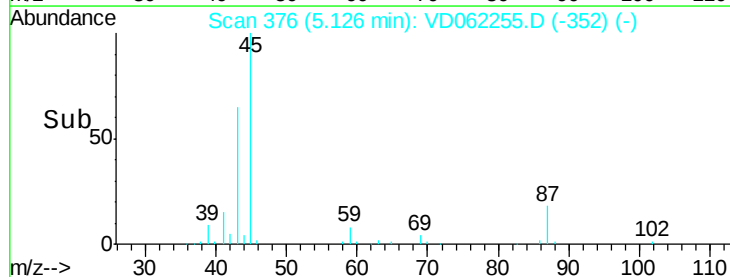
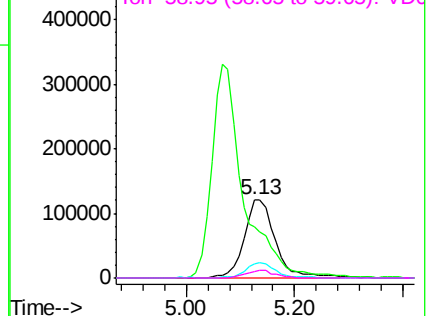
43 65.0 46.2 69.2

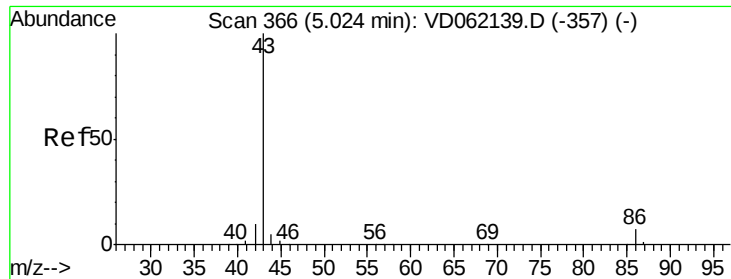
87 18.2 15.9 23.9

59 8.3 7.9 11.9



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: 119.319 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

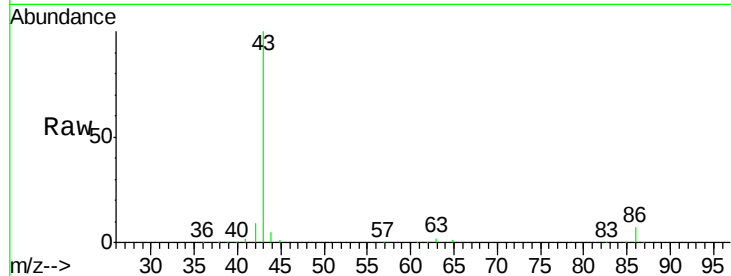
VD0512SBSD01

Tot Ion: 43 Resp: 1305872

Ion Ratio Lower Upper

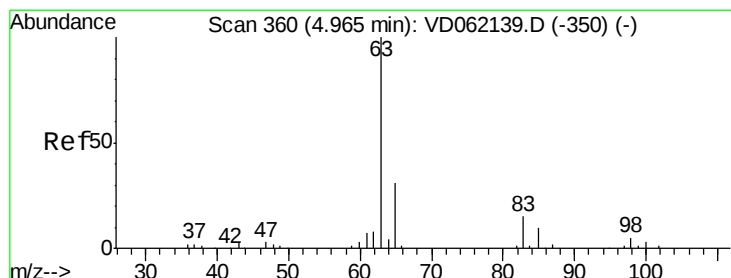
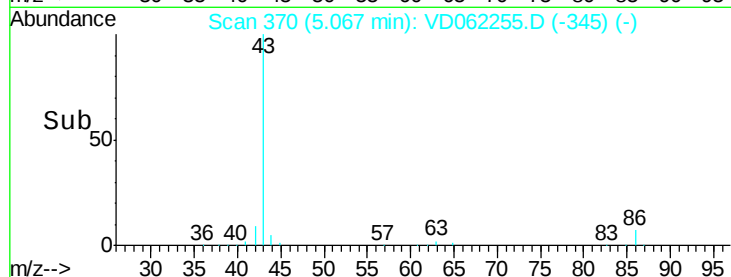
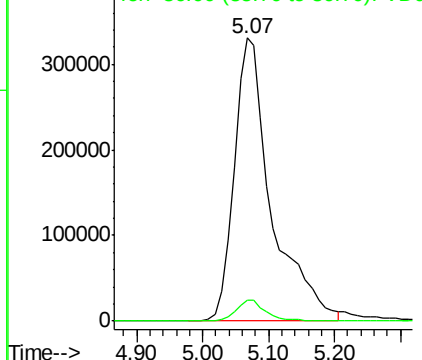
43 100

86 7.4 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.593 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

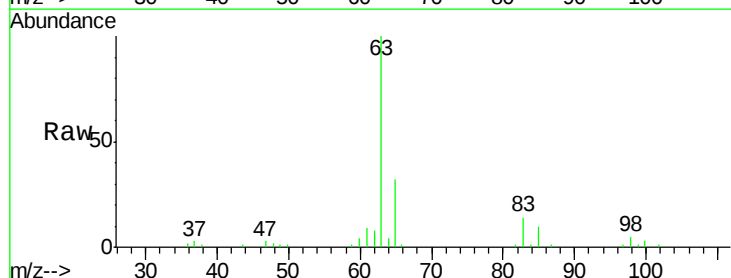
Tgt Ion: 63 Resp: 282719

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.4

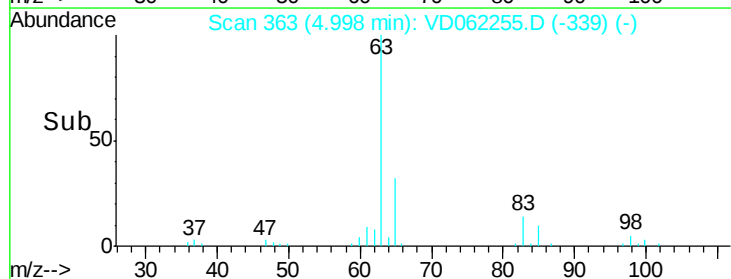
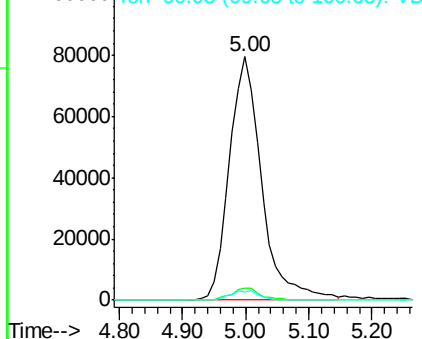
100 3.3 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 113.229 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

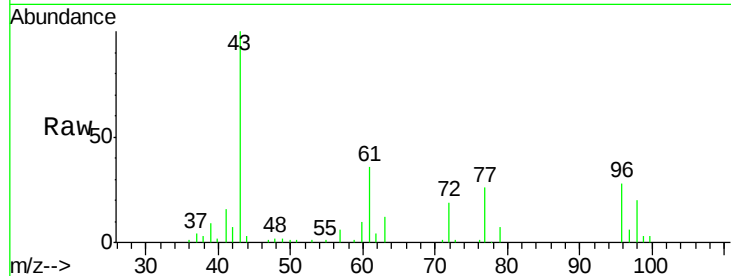
VD0512SBSD01

Tot Ion: 43 Resp: 211635

Ion Ratio Lower Upper

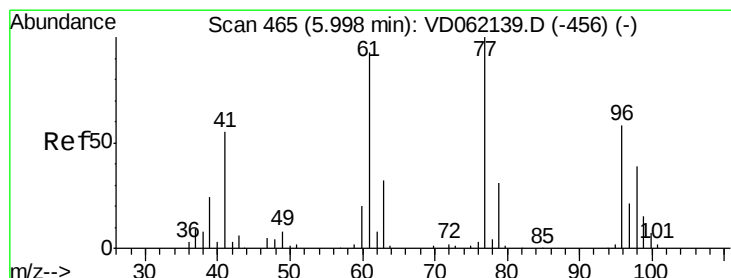
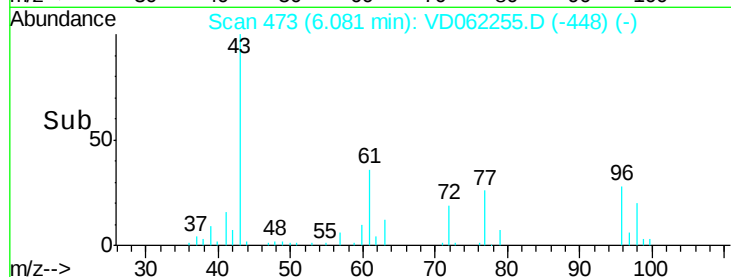
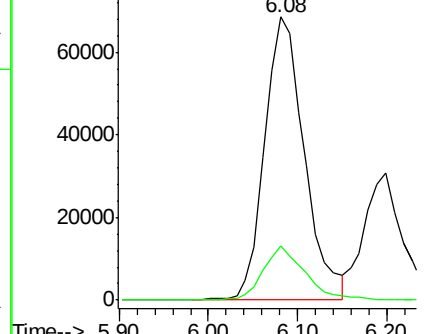
43 100

72 19.0 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.684 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062255.D

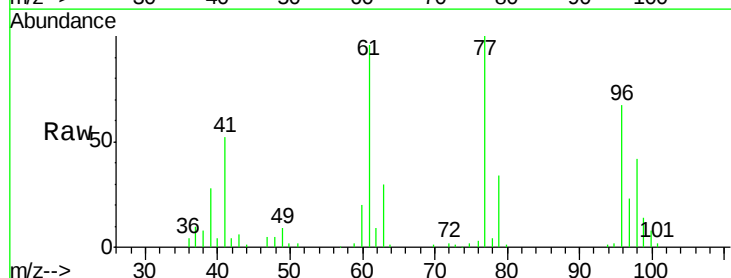
Acq: 12 May 2019 13:29

Tgt Ion: 77 Resp: 295227

Ion Ratio Lower Upper

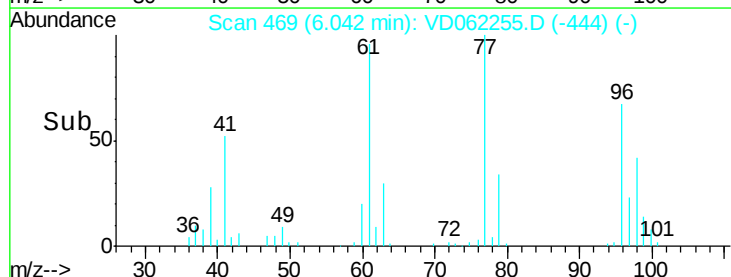
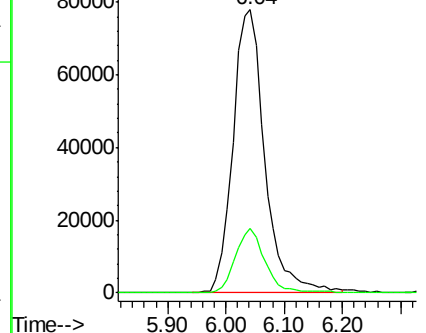
77 100

97 22.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



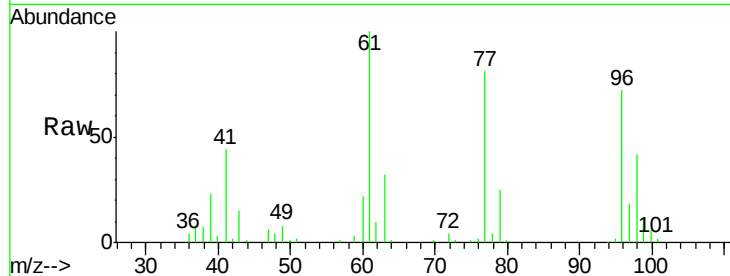


#27

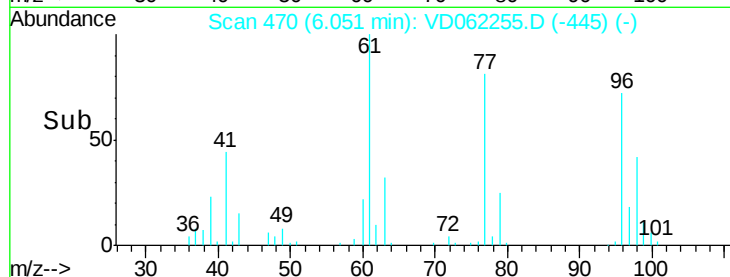
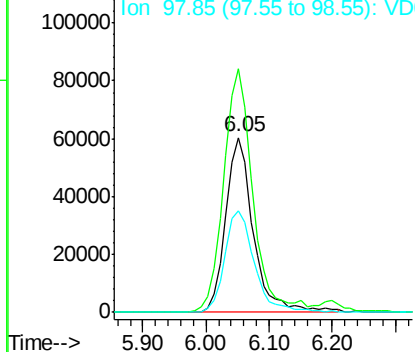
cis-1,2-Dichloroethene
 Concen: 21.855 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.04 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

Tot Ion: 96 Resp: 182501
 Ion Ratio Lower Upper
 96 100
 61 139.4 0.0 279.8
 98 58.1 0.0 136.0



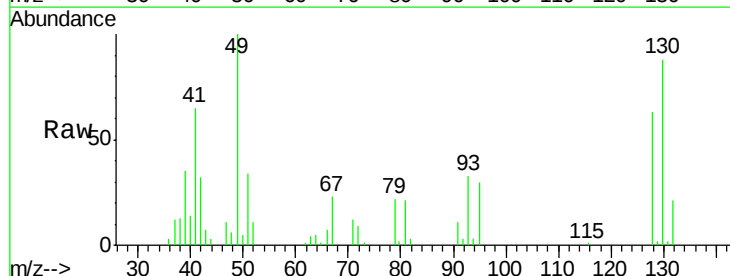
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



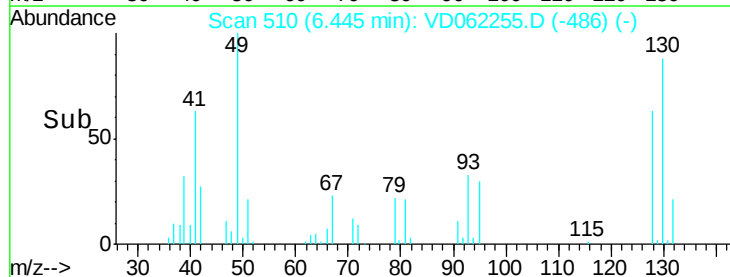
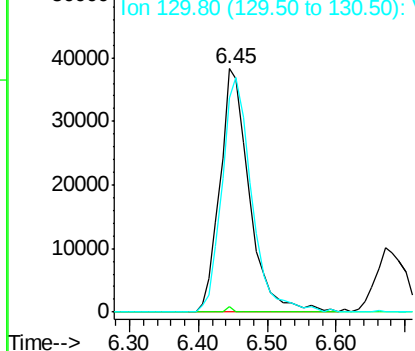
#28

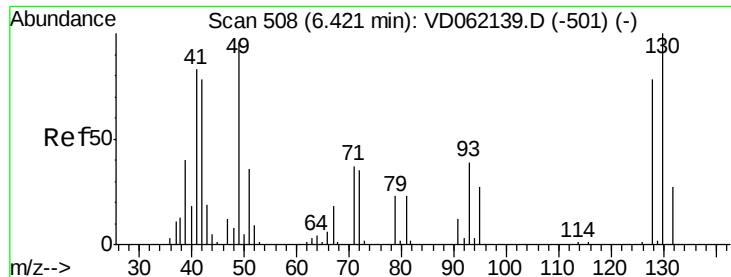
Bromochloromethane
 Concen: 23.123 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.03 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion: 49 Resp: 113844
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 6.6
 130 88.2 86.7 130.1



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

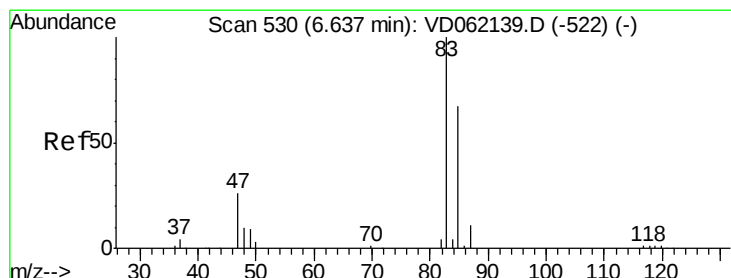
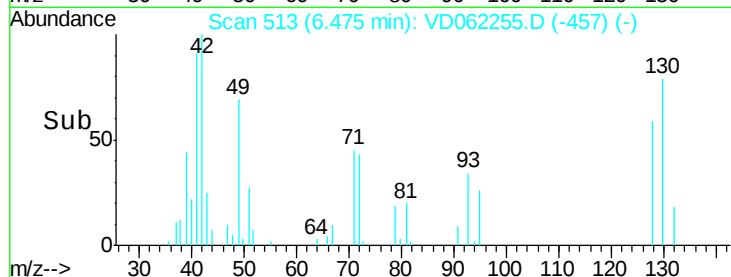
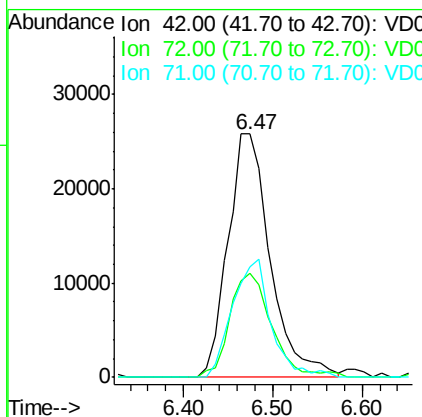
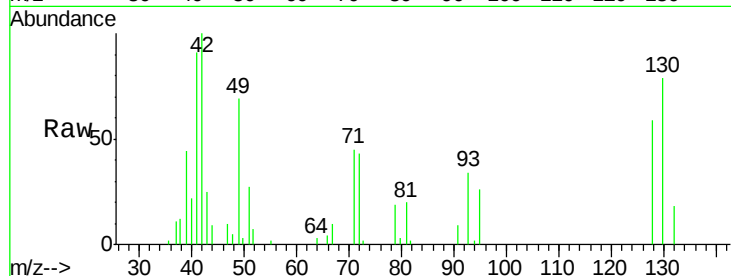




#29
Tetrahydrofuran
Concen: 99.357 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

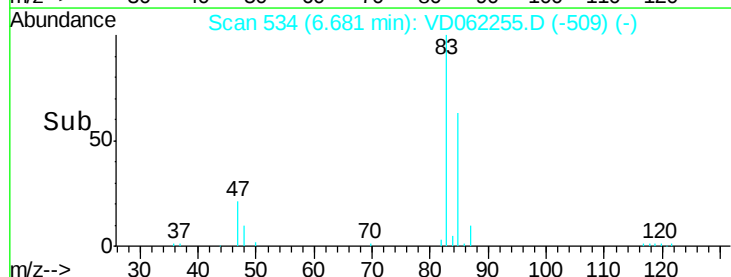
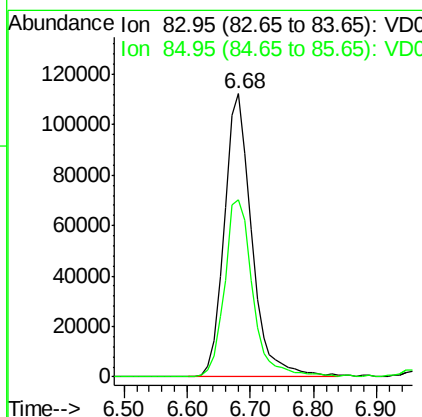
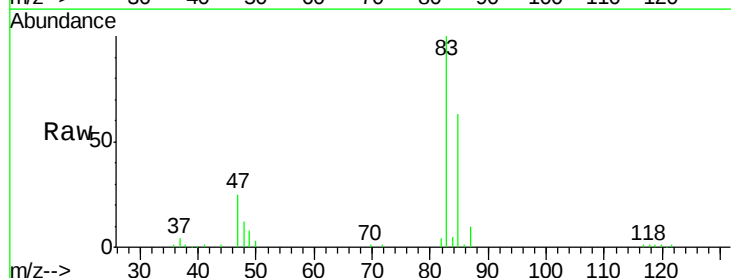
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

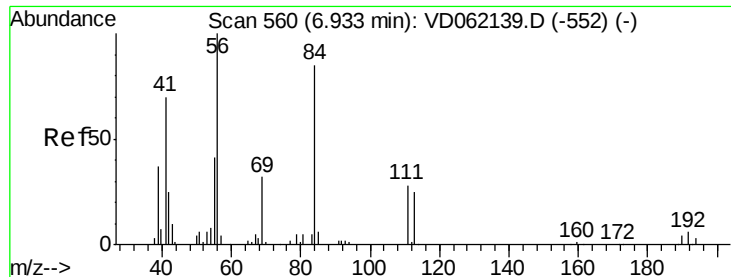
Tot Ion: 42 Resp: 85566
Ion Ratio Lower Upper
42 100
72 42.5 37.8 56.6
71 44.2 36.7 55.1



#30
Chloroform
Concen: 22.449 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 83 Resp: 338562
Ion Ratio Lower Upper
83 100
85 62.8 51.7 77.5

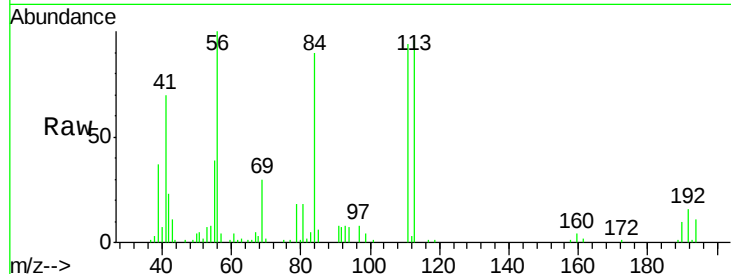




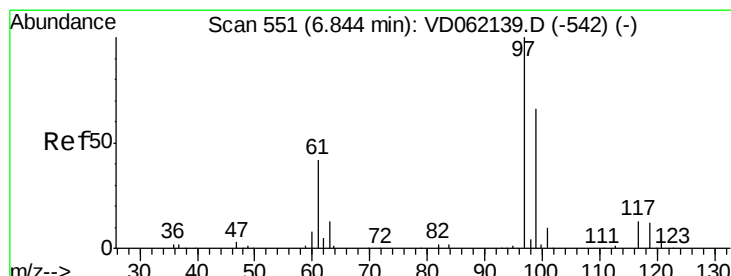
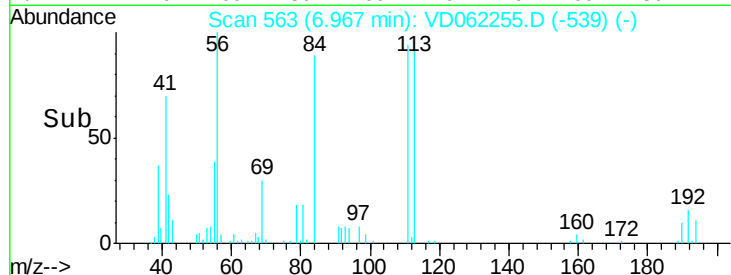
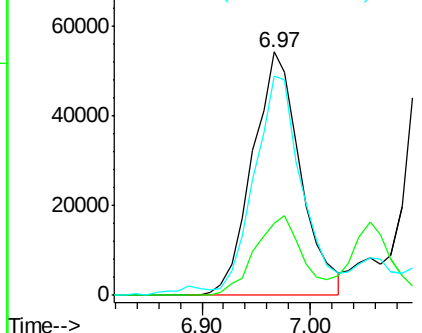
#31
Cyclohexane
Concen: 19.405 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion: 56 Resp: 166366
Ion Ratio Lower Upper
56 100
69 29.8 25.8 38.6
84 90.0 72.2 108.4

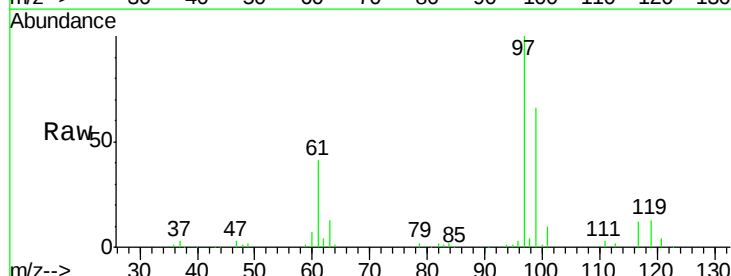


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

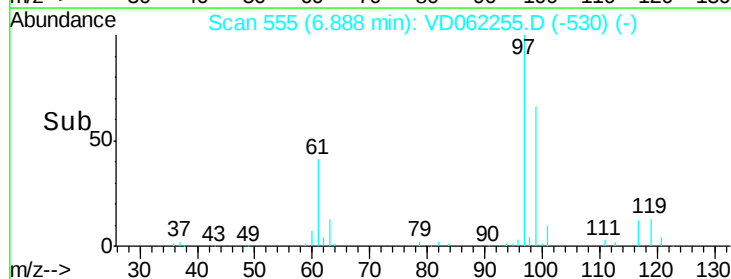
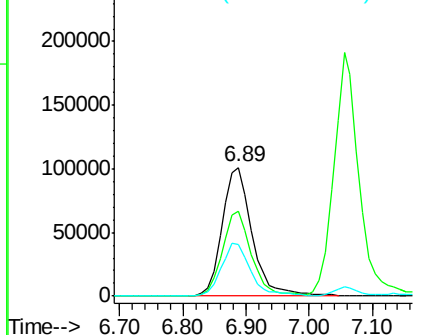


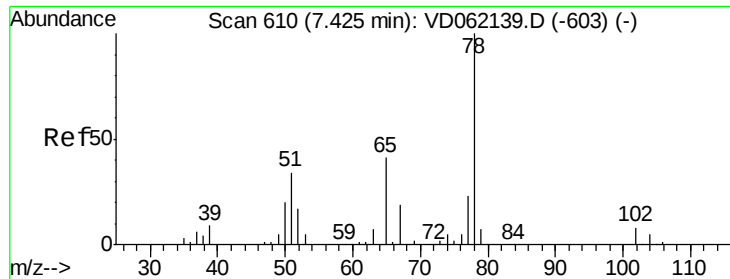
#32
1,1,1-Trichloroethane
Concen: 23.261 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.04 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 97 Resp: 331577
Ion Ratio Lower Upper
97 100
99 65.7 52.2 78.2
61 40.5 32.4 48.6



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: 43.406 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

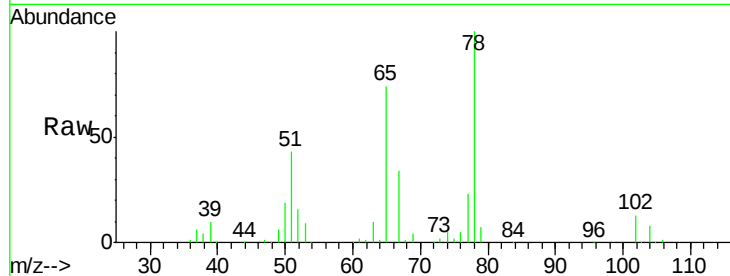
VD0512SBSD01

Tot Ion: 65 Resp: 354674

Ion Ratio Lower Upper

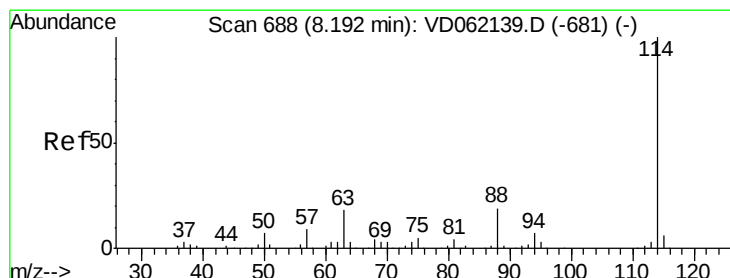
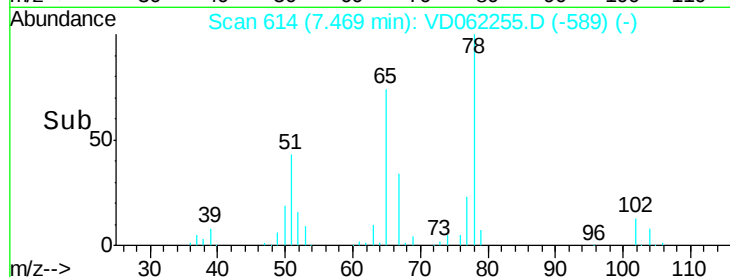
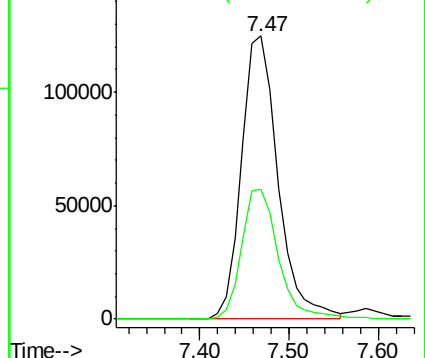
65 100

67 45.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

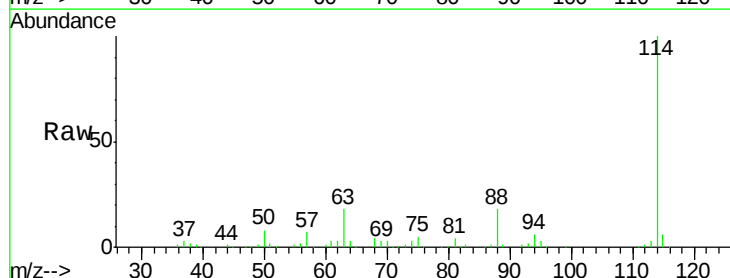
Tgt Ion: 114 Resp: 1206311

Ion Ratio Lower Upper

114 100

63 18.4 0.0 32.4

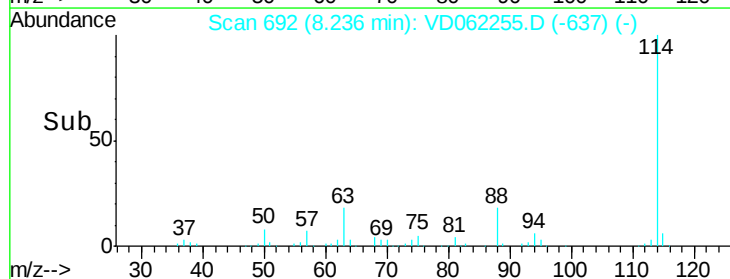
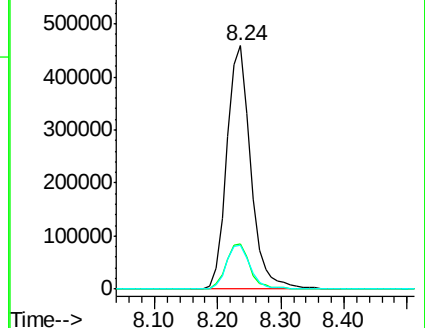
88 18.2 0.0 33.6

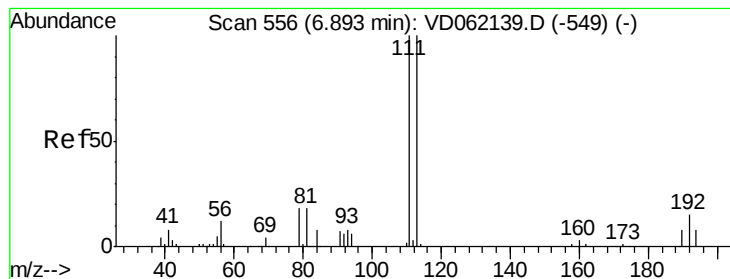


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 44.846 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

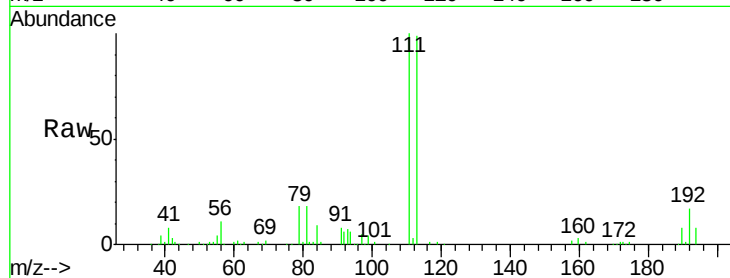
Tot Ion:113 Resp: 448858

Ion Ratio Lower Upper

113 100

111 100.5 78.5 117.7

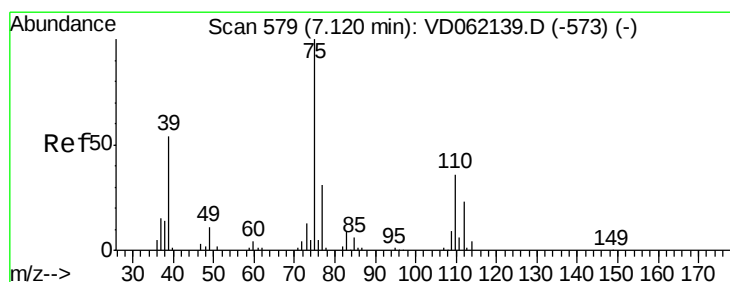
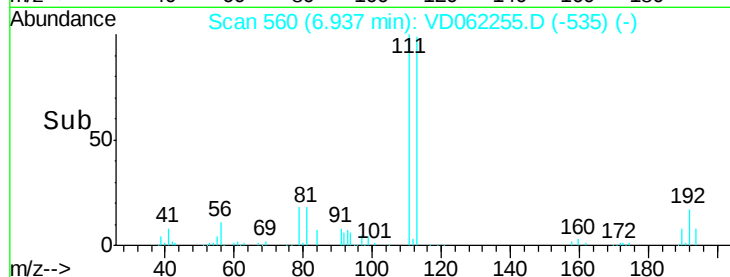
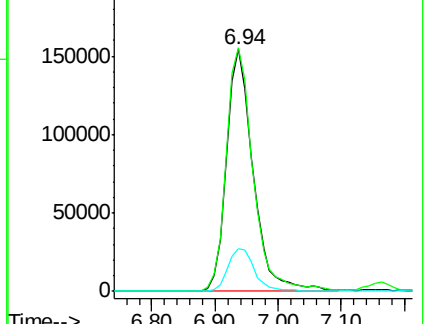
192 17.5 13.0 19.4



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: 23.845 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

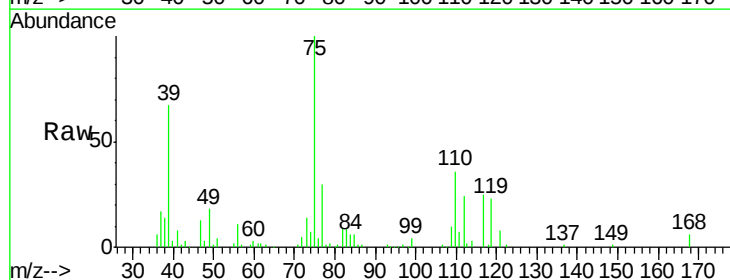
Tgt Ion: 75 Resp: 235843

Ion Ratio Lower Upper

75 100

110 35.7 19.1 57.1

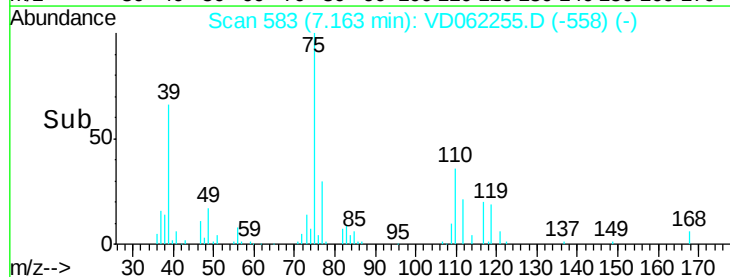
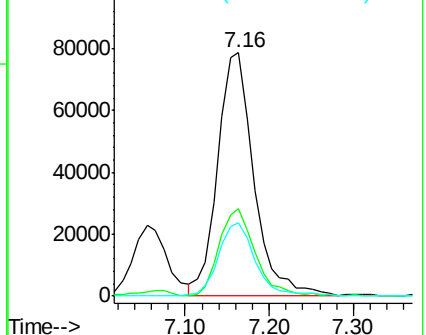
77 30.2 25.6 38.4

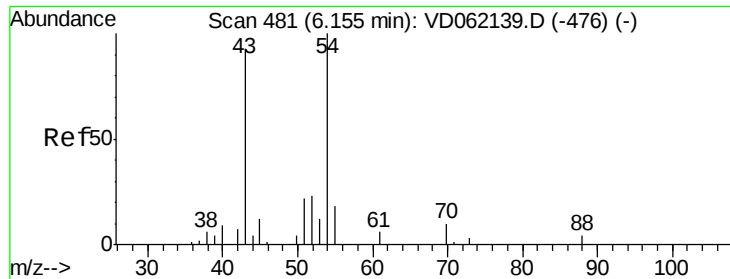


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

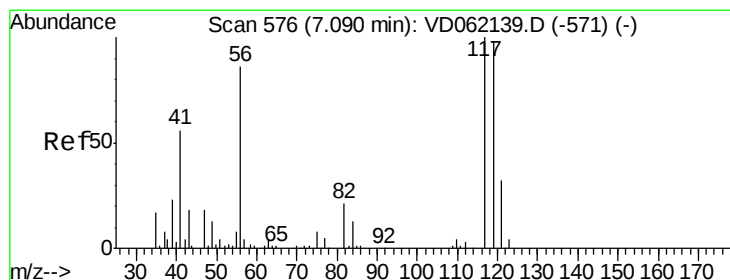
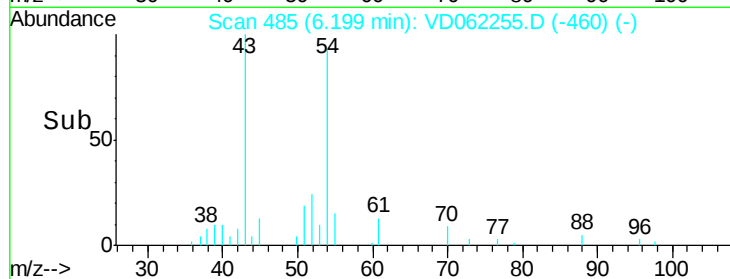
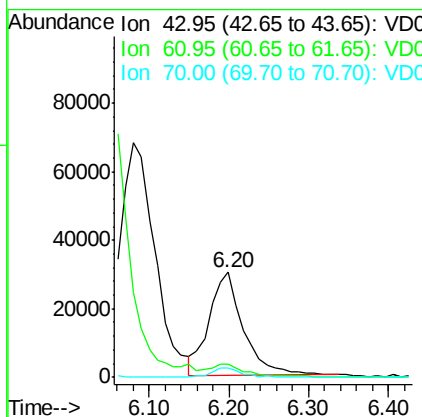
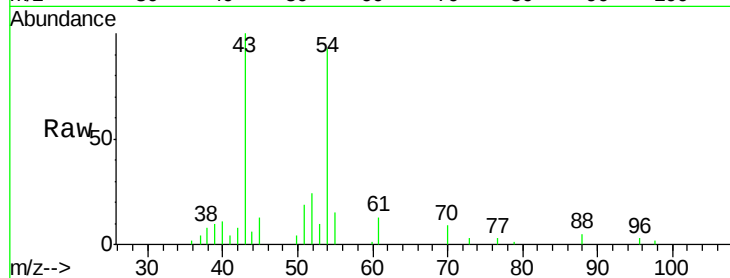




#37
Ethyl Acetate
Concen: 21.630 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

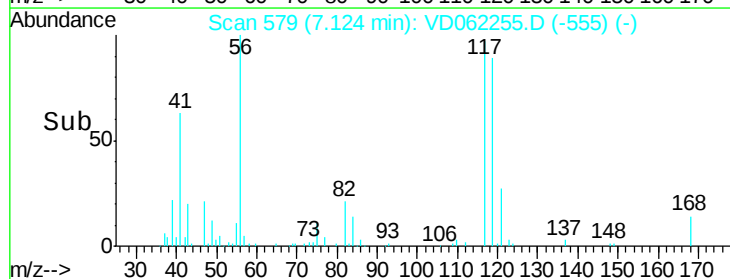
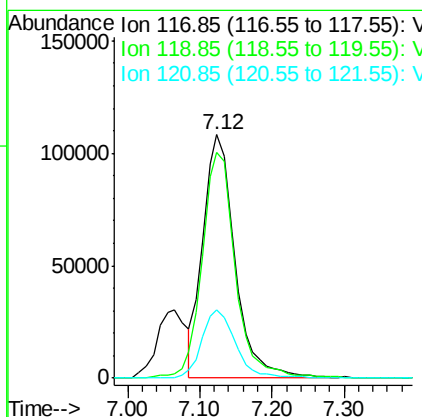
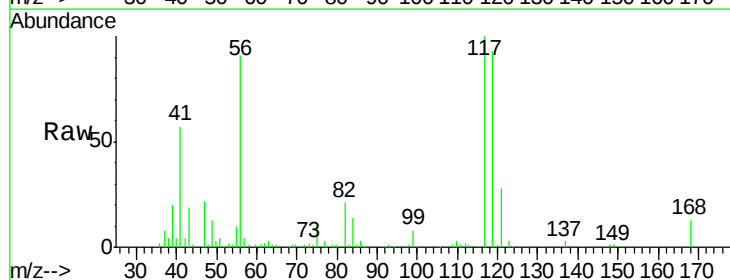
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

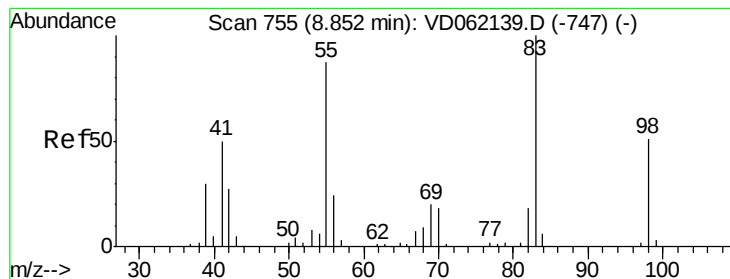
Tot Ion: 43 Resp: 90727
Ion Ratio Lower Upper
43 100
61 12.8 14.7 22.1#
70 8.9 7.8 11.6



#38
Carbon Tetrachloride
Concen: 24.232 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 117 Resp: 331720
Ion Ratio Lower Upper
117 100
119 92.5 75.8 113.8
121 27.9 25.9 38.9





#39

Methvlcvclohexane

Concen: 21.883 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

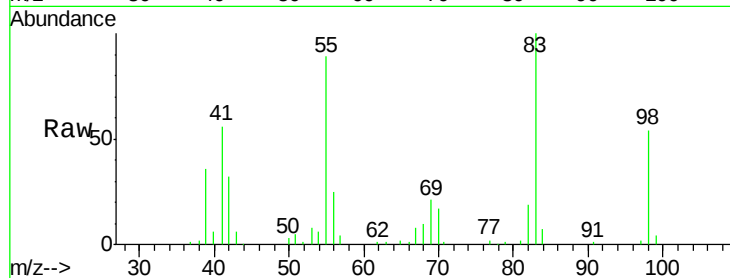
Tot Ion: 83 Resp: 207368

Ion Ratio Lower Upper

83 100

55 89.5 68.2 102.4

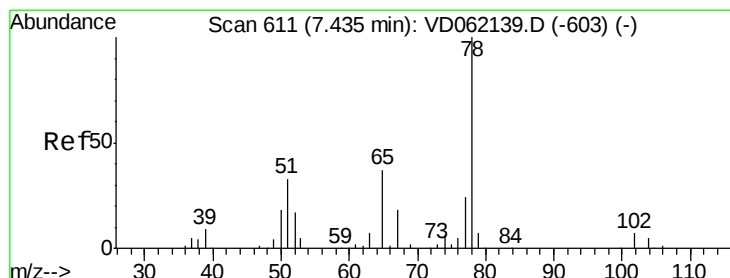
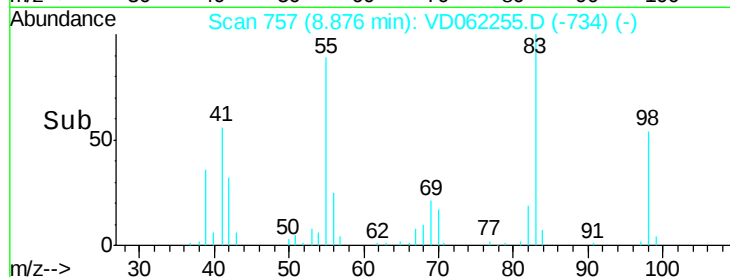
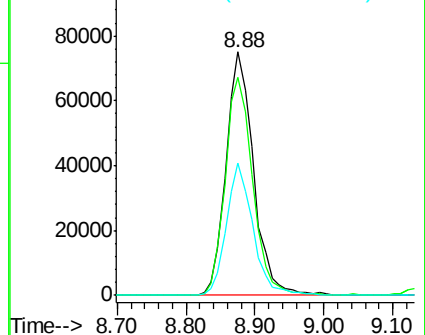
98 54.4 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.989 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD062255.D

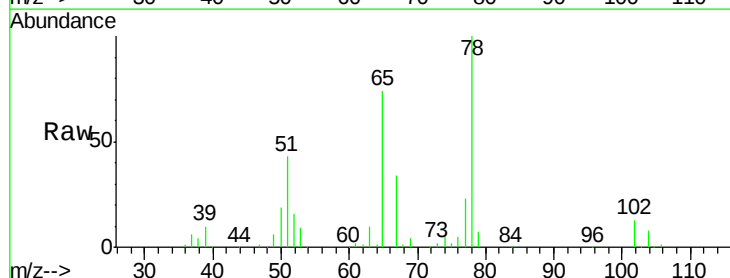
Acq: 12 May 2019 13:29

Tgt Ion: 78 Resp: 491109

Ion Ratio Lower Upper

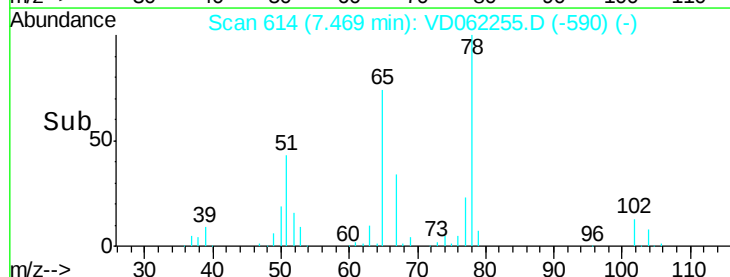
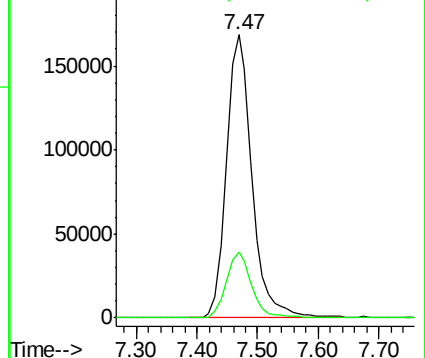
78 100

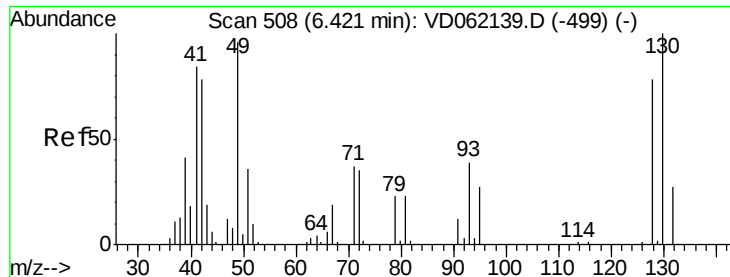
77 23.3 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

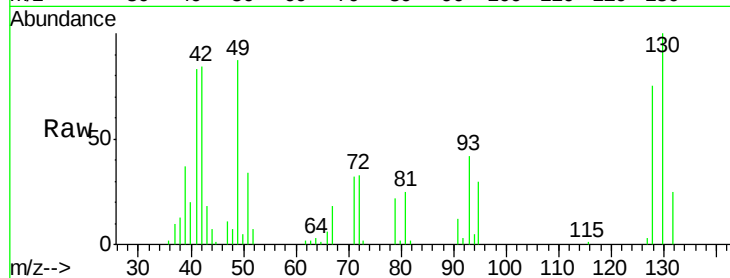




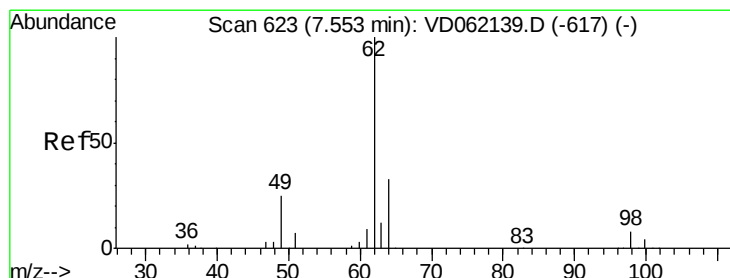
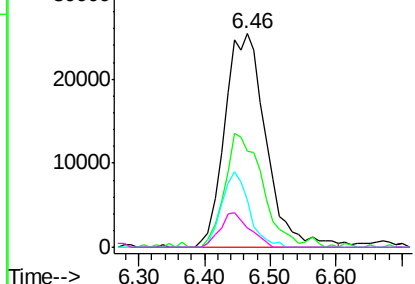
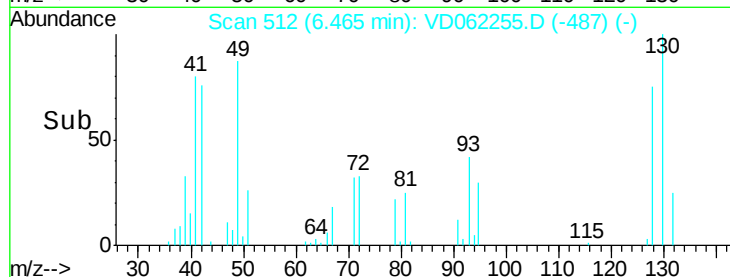
#41
Methacrylonitrile
Concen: 21.642 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion: 41 Resp: 110931
Ion Ratio Lower Upper
41 100
39 45.1 34.1 51.1
67 21.9 23.8 35.6#
52 8.9 8.8 13.2

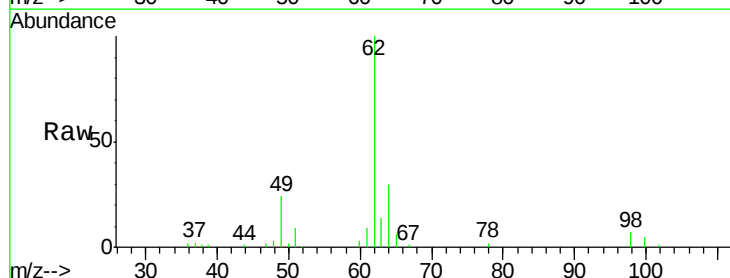


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

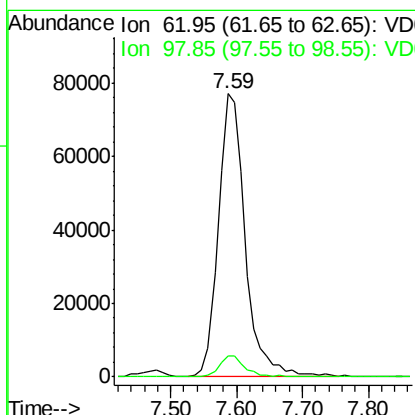
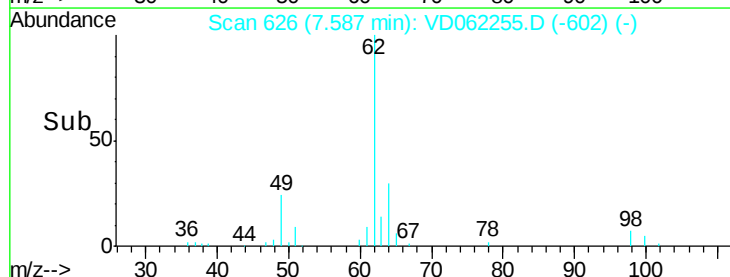


#42
1,2-Dichloroethane
Concen: 23.107 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 62 Resp: 218650
Ion Ratio Lower Upper
62 100
98 7.3 0.0 17.8



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



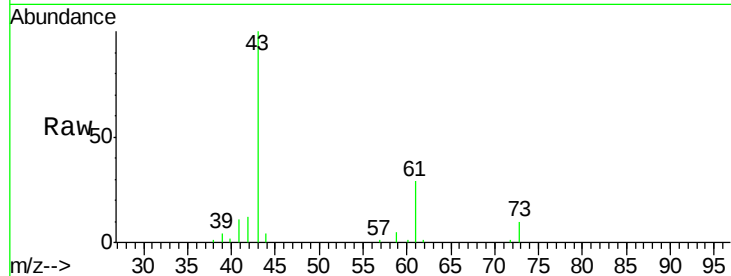


#43

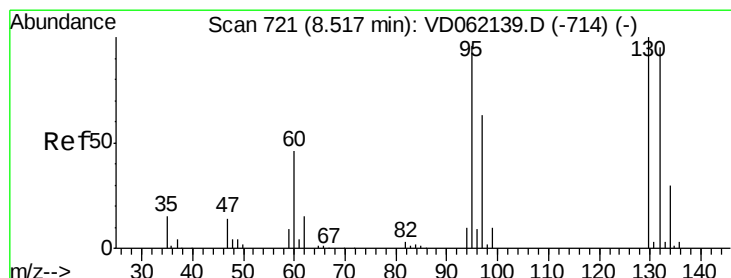
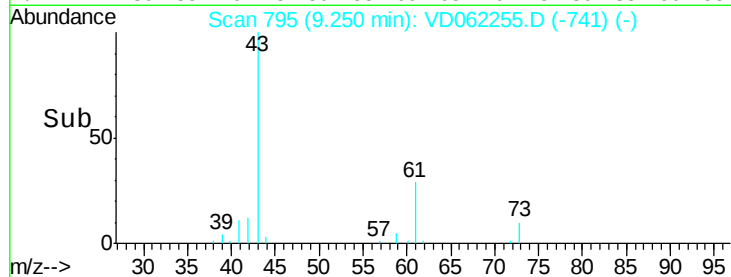
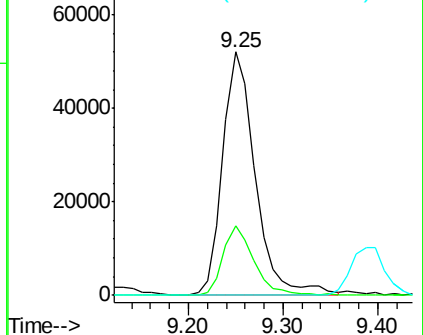
Isopropyl Acetate
 Concen: 21.021 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.03 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

Tot Ion: 43 Resp: 125048
 Ion Ratio Lower Upper
 43 100
 61 28.8 25.1 37.7
 87 0.0 0.0 0.0



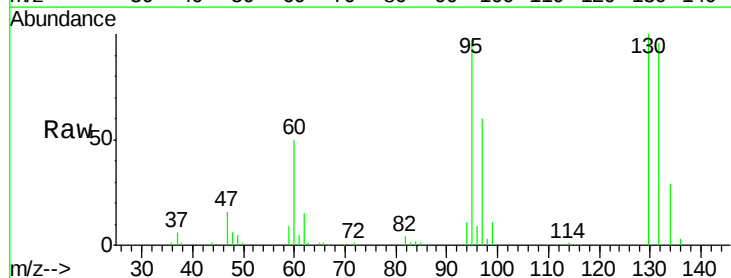
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



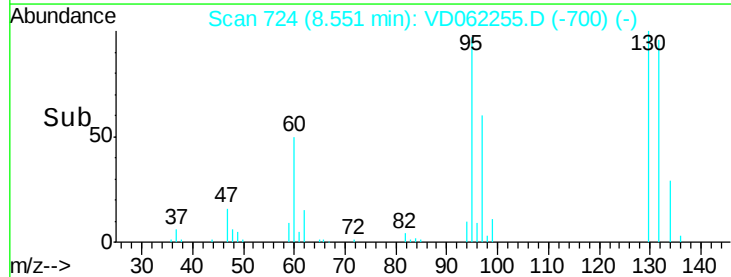
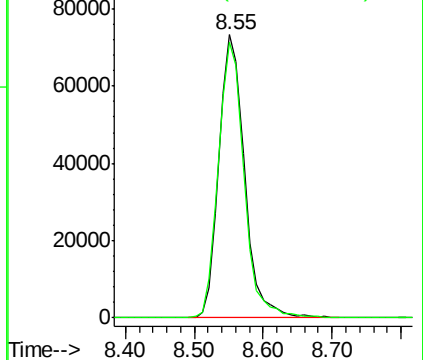
#44

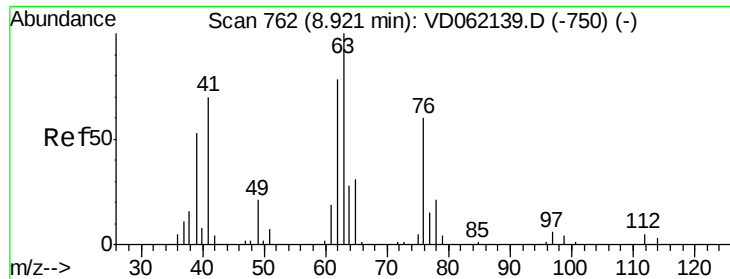
Trichloroethene
 Concen: 22.155 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.03 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion: 130 Resp: 188555
 Ion Ratio Lower Upper
 130 100
 95 97.2 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC

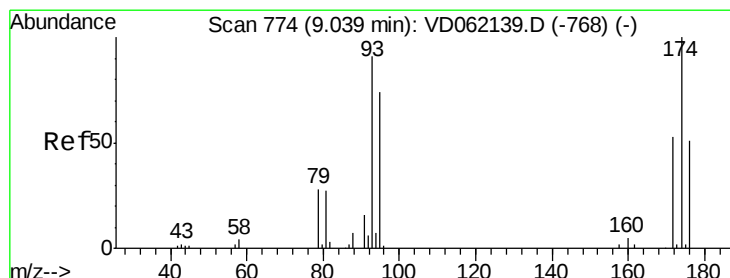
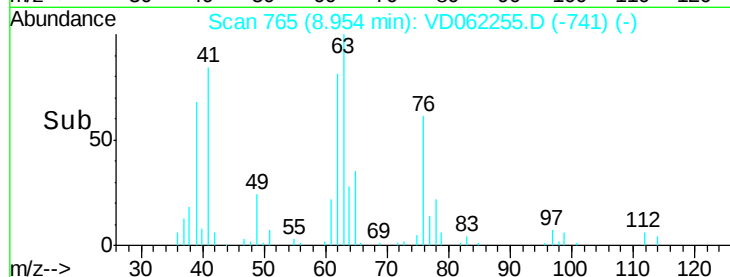
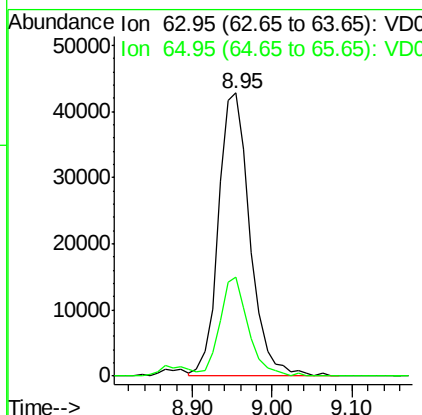
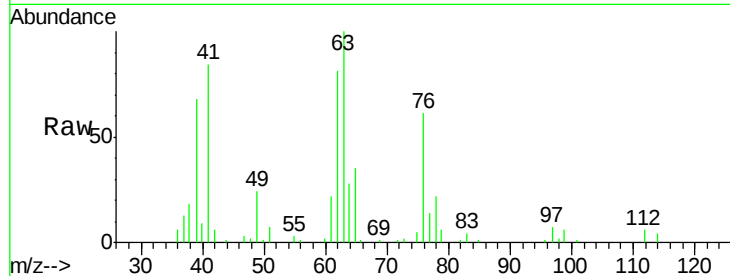




#45
 1,2-Dichloropropane
 Concen: 21.490 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. 0.03 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

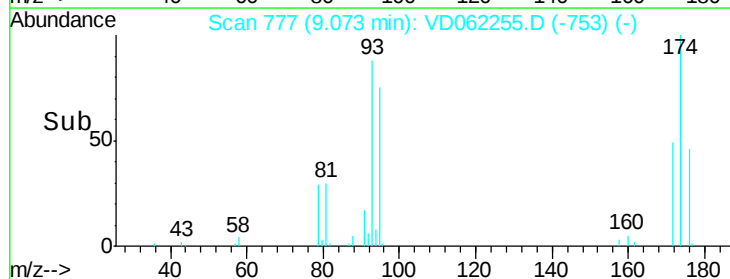
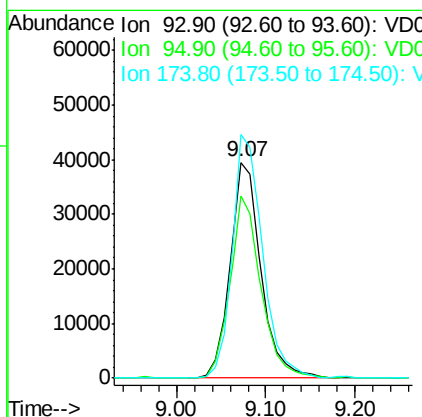
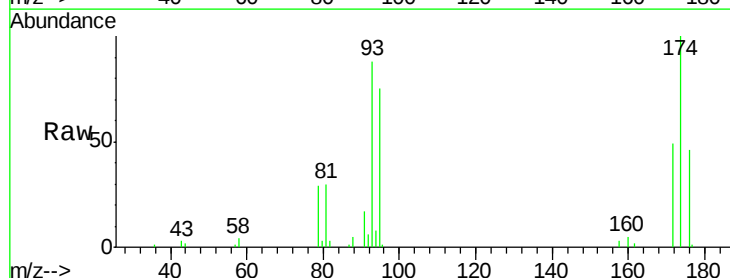
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

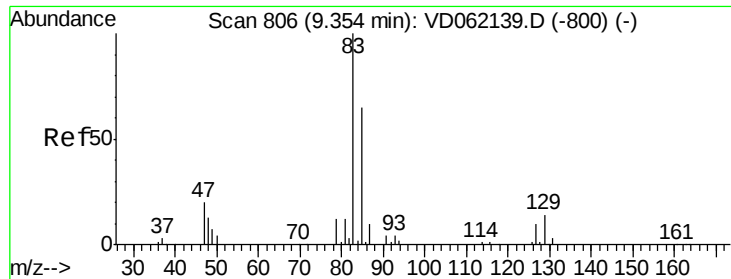
Tot Ion: 63 Resp: 118719
 Ion Ratio Lower Upper
 63 100
 65 35.1 23.8 35.6



#46
 Dibromomethane
 Concen: 21.309 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.03 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion: 93 Resp: 95727
 Ion Ratio Lower Upper
 93 100
 95 84.6 64.8 97.2
 174 113.0 79.3 118.9





#47

Bromodichloromethane

Concen: 22.981 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

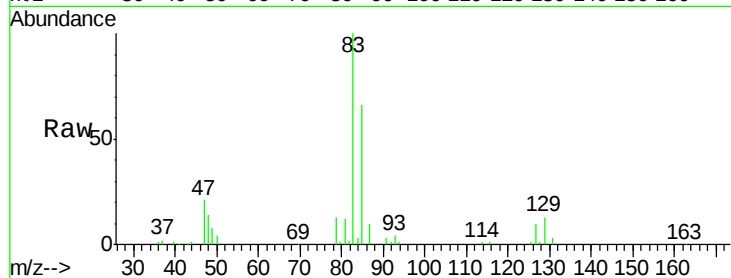
Tot Ion: 83 Resp: 252530

Ion Ratio Lower Upper

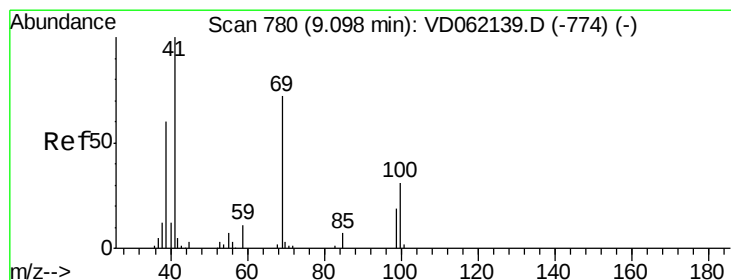
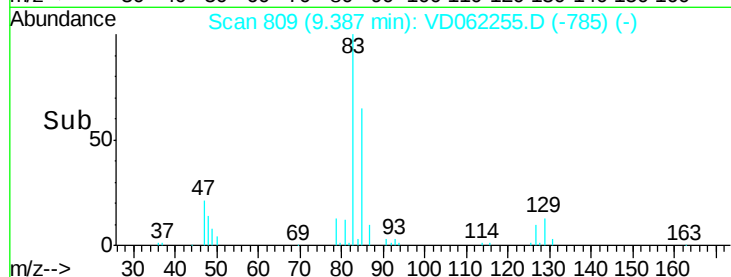
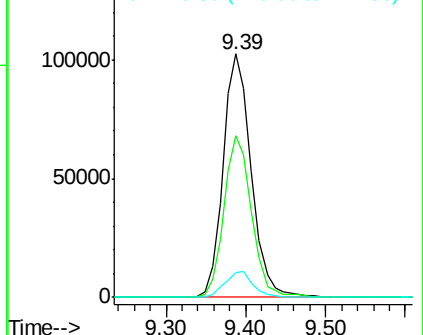
83 100

85 66.2 50.9 76.3

127 9.9 8.1 12.1



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: 24.139 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

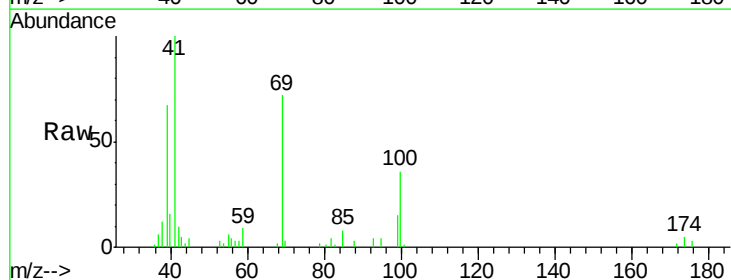
Tgt Ion: 41 Resp: 88449

Ion Ratio Lower Upper

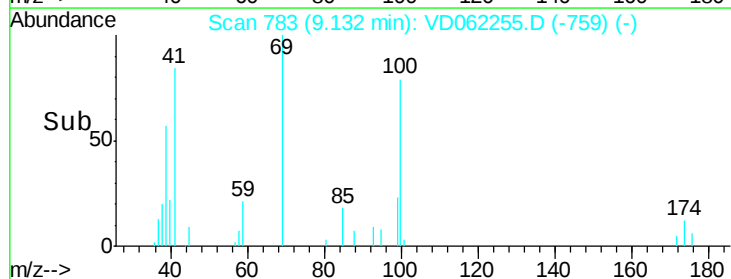
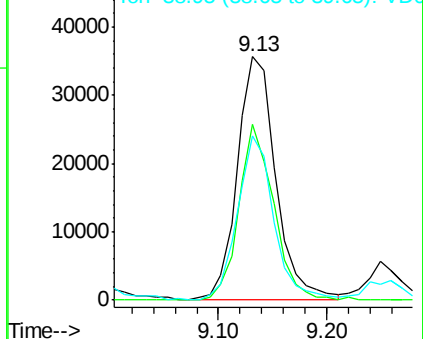
41 100

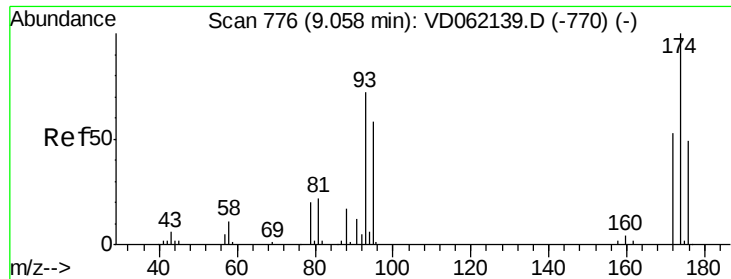
69 72.2 64.2 96.2

39 67.3 46.8 70.2



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

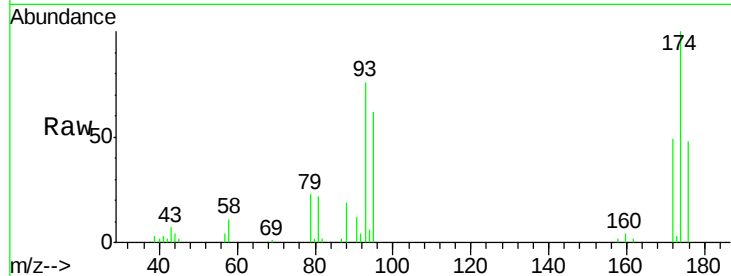




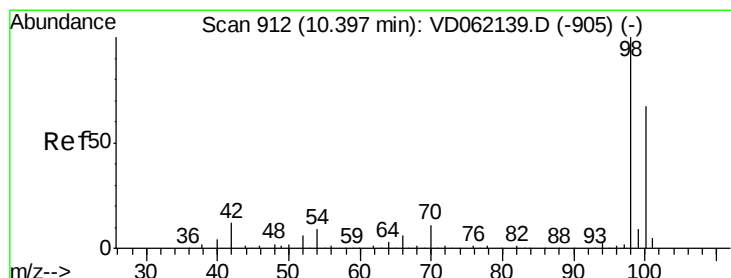
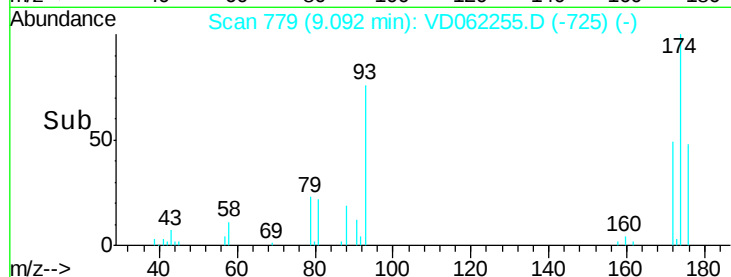
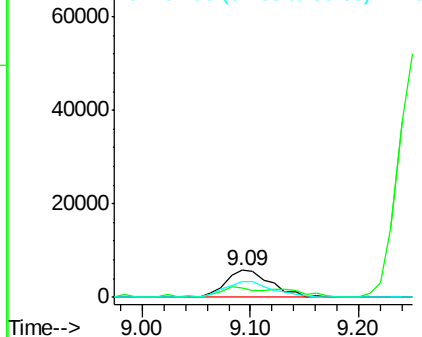
#49
1,4-Dioxane
Concen: 421.126 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion: 88 Resp: 16649
Ion Ratio Lower Upper
88 100
43 37.0 23.4 35.0#
58 59.0 44.0 66.0

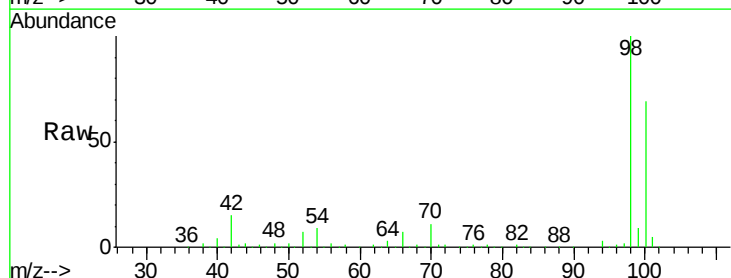


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

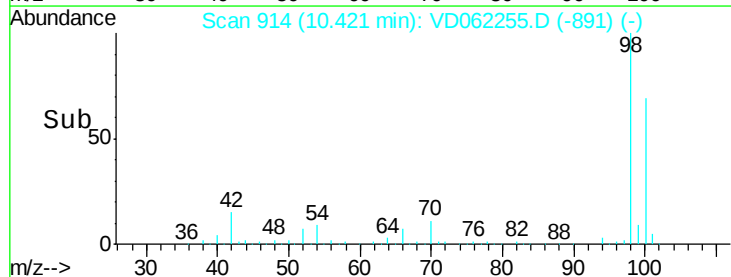
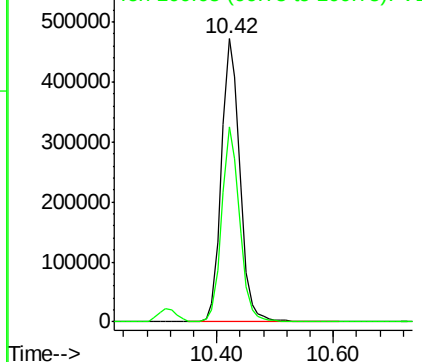


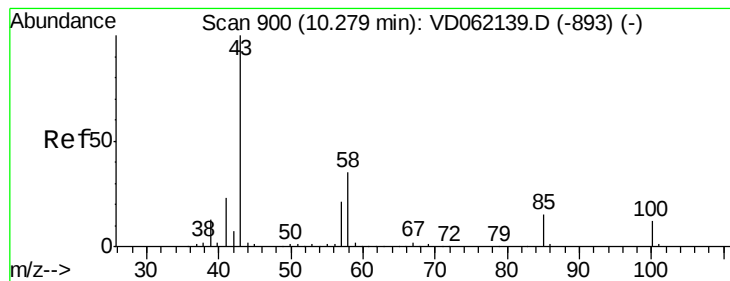
#50
Toluene-d8
Concen: 42.965 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 98 Resp: 1036849
Ion Ratio Lower Upper
98 100
100 69.0 53.8 80.8



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: 108.495 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleID :

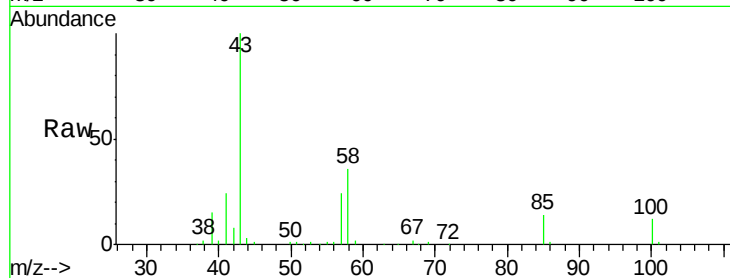
VD0512SBS01

Tot Ion: 43 Resp: 414873

Ion Ratio Lower Upper

43 100

58 36.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

150000

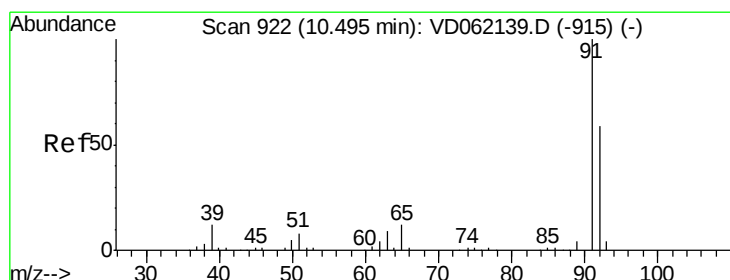
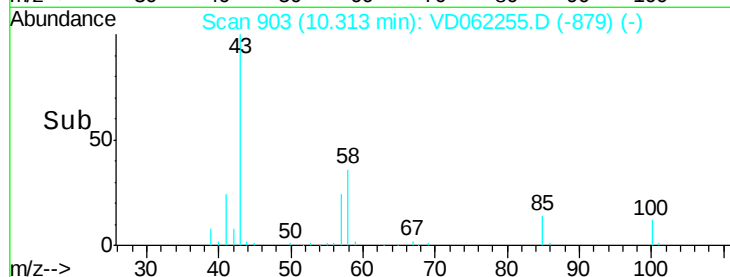
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 22.900 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062255.D

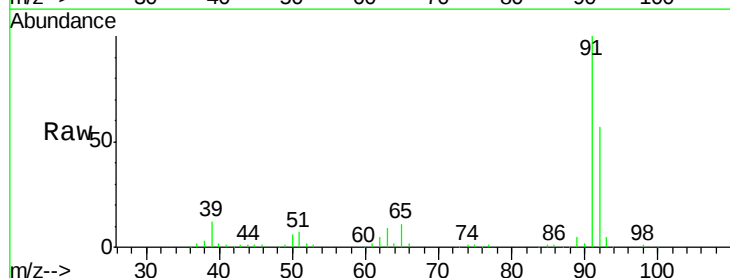
Acq: 12 May 2019 13:29

Tgt Ion: 92 Resp: 332778

Ion Ratio Lower Upper

92 100

91 175.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

150000

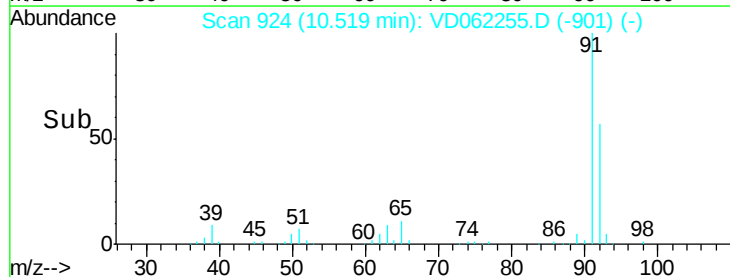
100000

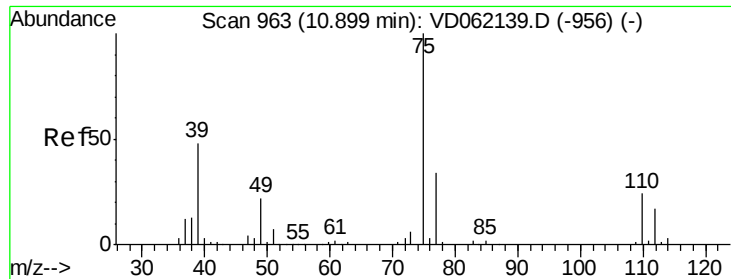
50000

0

Time-->

10.40 10.50 10.60 10.70

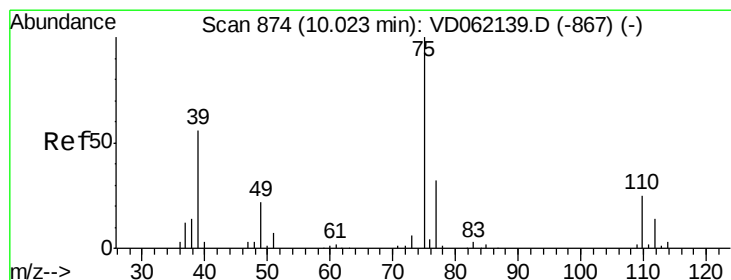
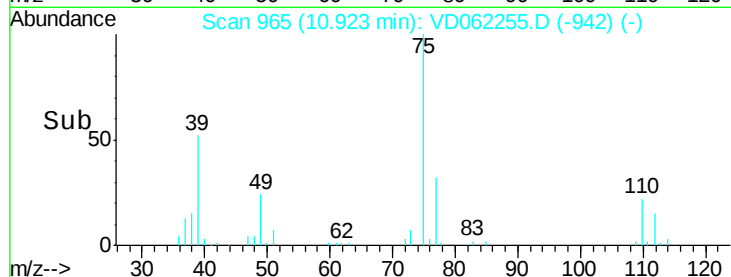
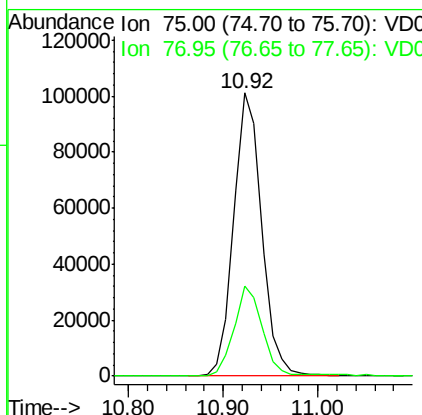
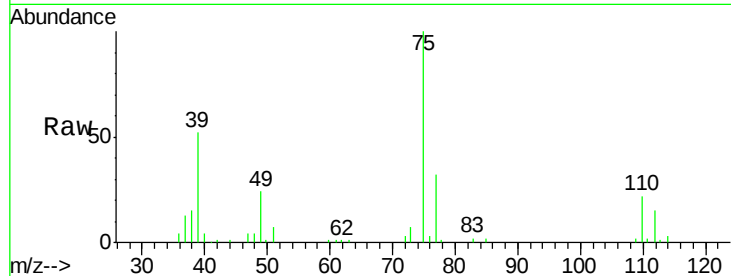




#53
 t-1,3-Dichloropropene
 Concen: 21.840 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

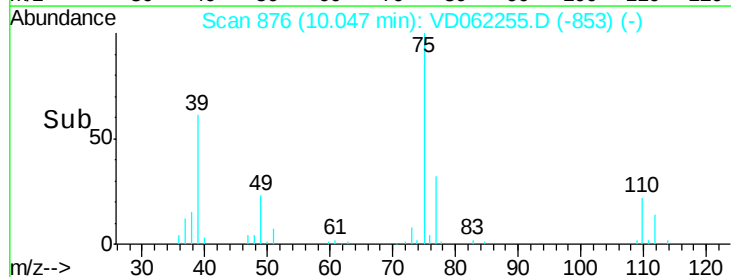
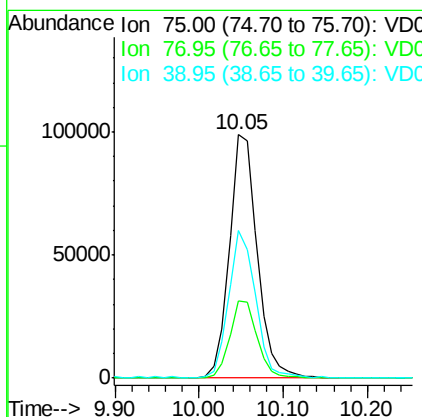
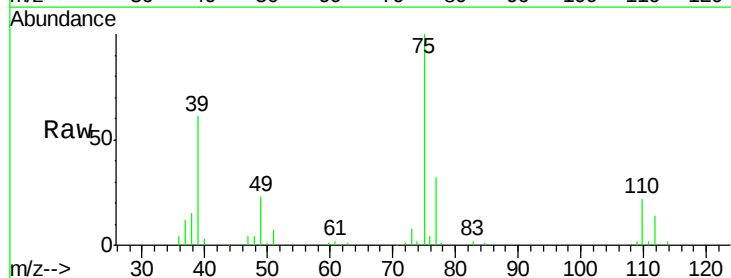
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

Tot Ion: 75 Resp: 207412
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.910 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion: 75 Resp: 227000
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3
 39 60.9 39.4 59.2#

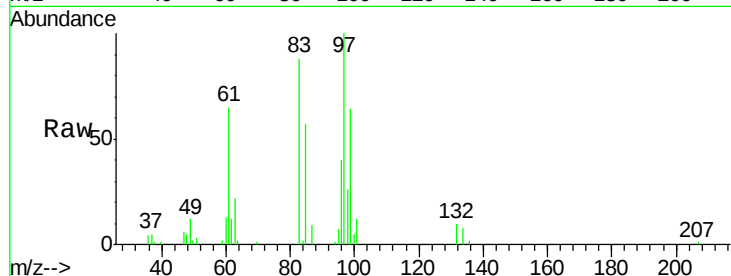




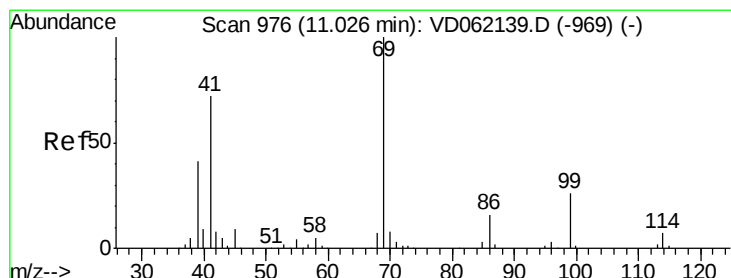
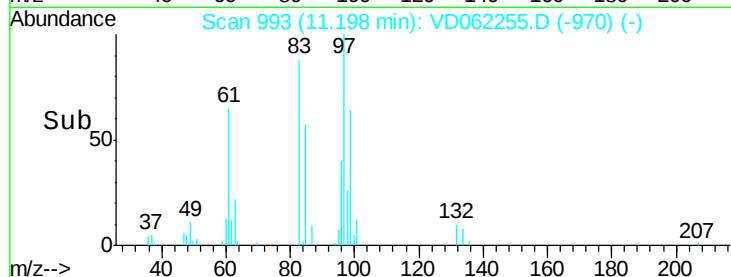
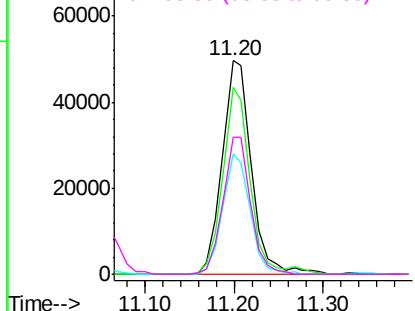
#55
 1,1,2-Trichloroethane
 Concen: 22.280 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

Tot Ion:	97	Resp:	114557
Ion	Ratio	Lower	Upper
97	100		
83	87.5	65.7	98.5
85	56.6	45.6	68.4
99	64.2	48.4	72.6

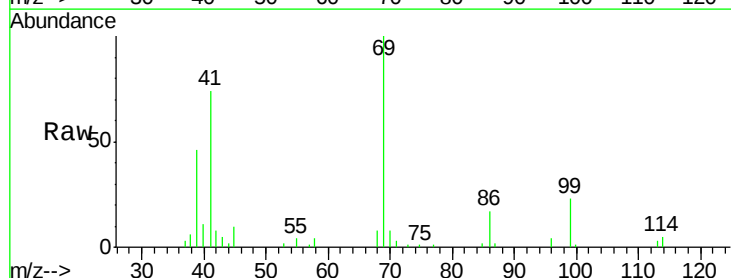


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

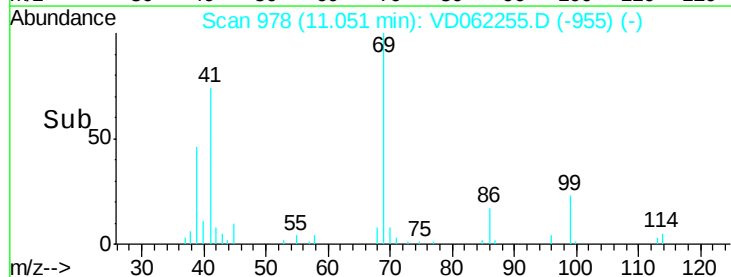
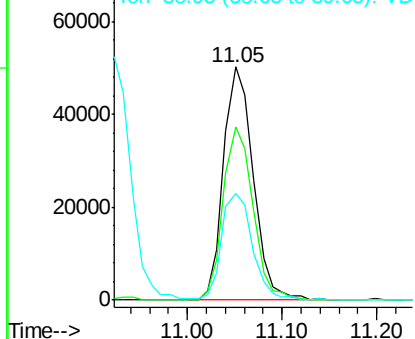


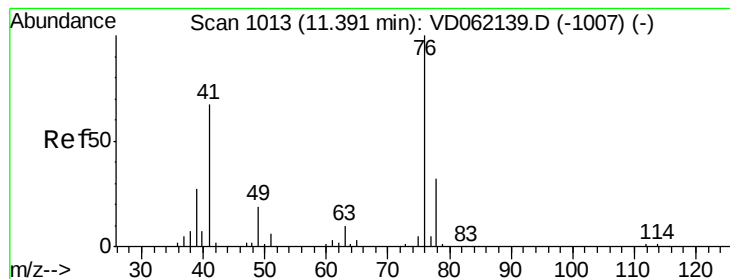
#56
 Ethyl methacrylate
 Concen: 20.519 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion:	69	Resp:	109632
Ion	Ratio	Lower	Upper
69	100		
41	74.1	56.3	84.5
39	46.0	29.4	44.2#



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: 22.777 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

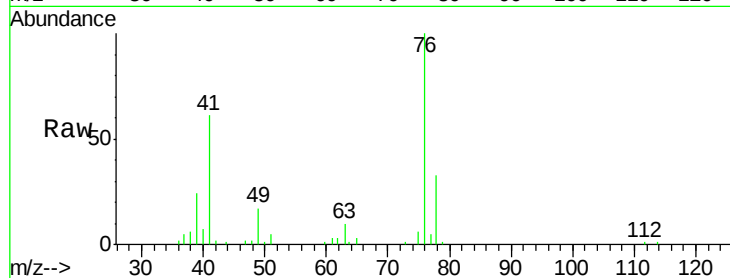
VD0512SBSD01

Tot Ion: 76 Resp: 176922

Ion Ratio Lower Upper

76 100

78 33.3 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

80000

60000

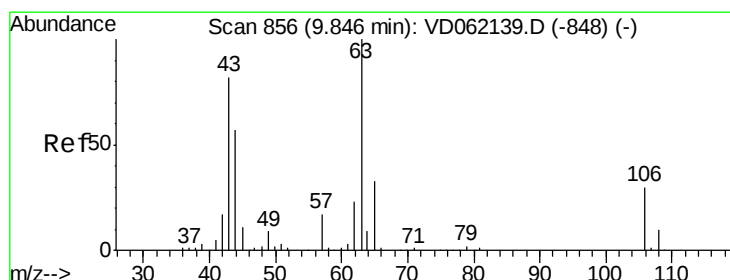
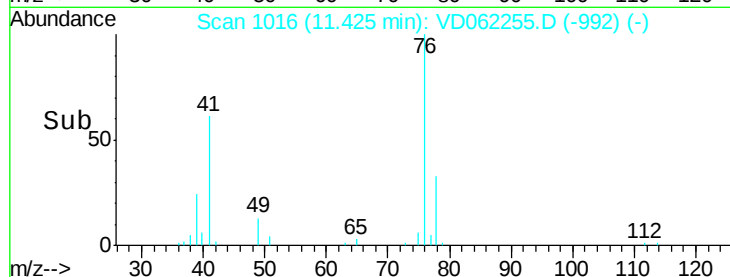
40000

20000

0

Time-->

11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 109.284 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062255.D

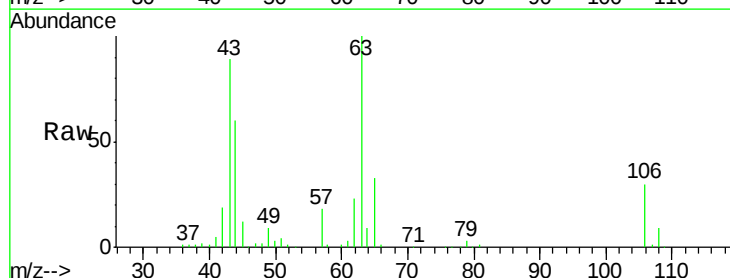
Acq: 12 May 2019 13:29

Tgt Ion: 63 Resp: 318942

Ion Ratio Lower Upper

63 100

106 30.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

150000

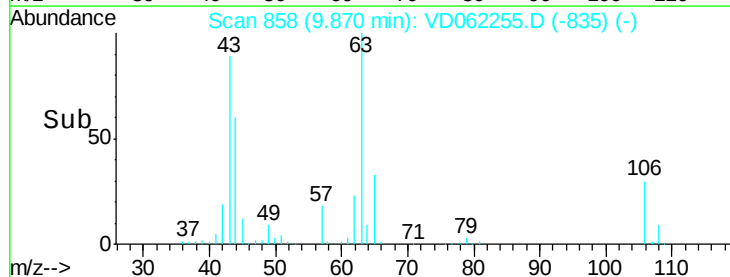
100000

50000

0

Time-->

9.80 9.90 10.00

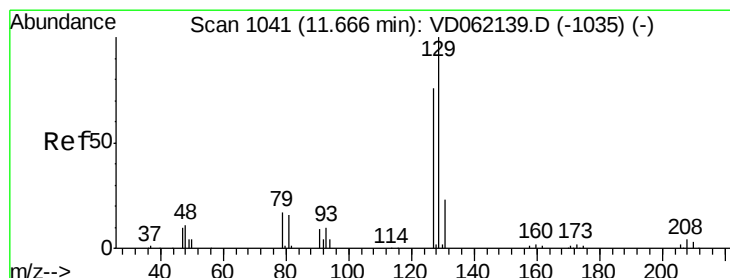
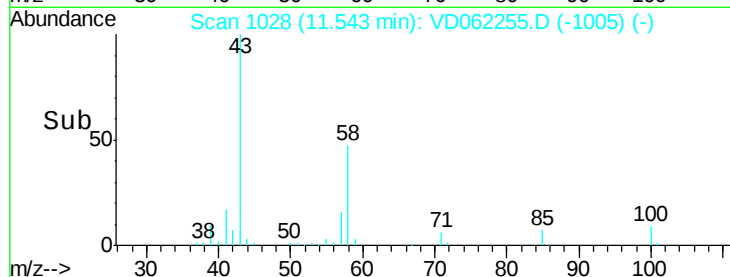
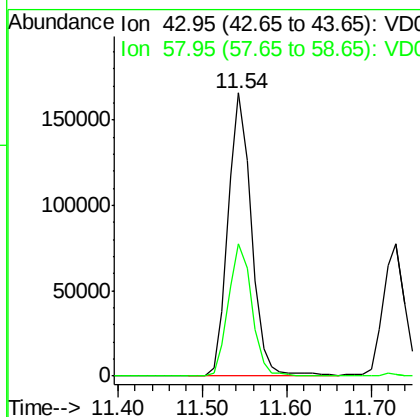
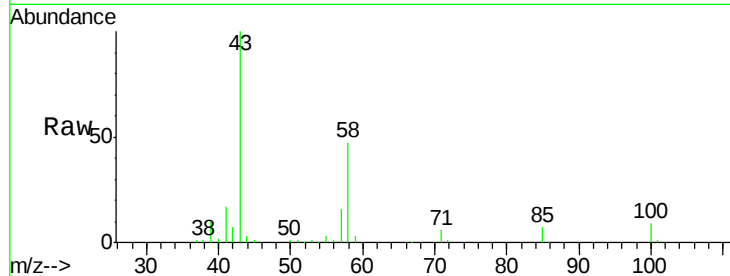




#59
2-Hexanone
Concen: 113.660 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

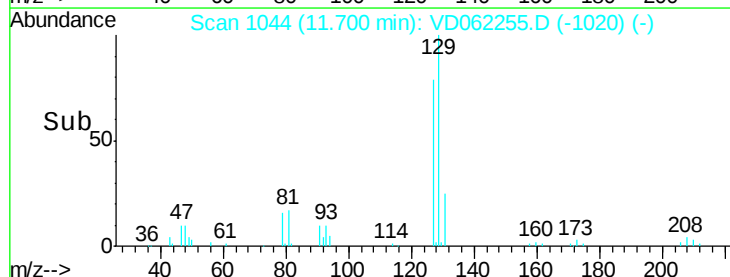
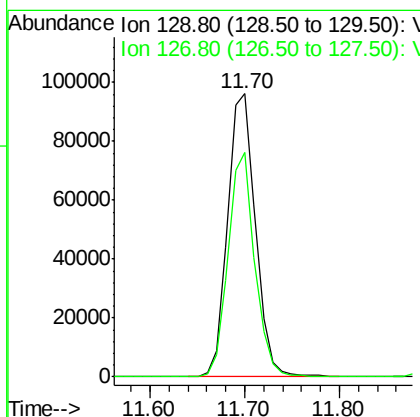
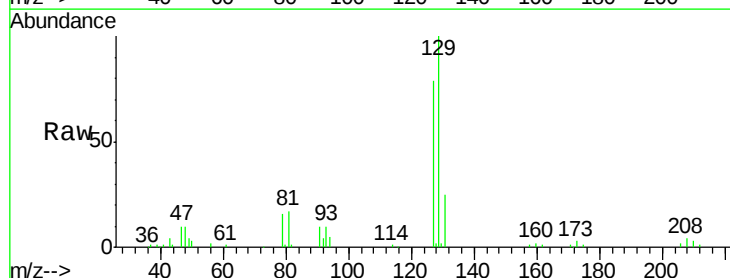
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

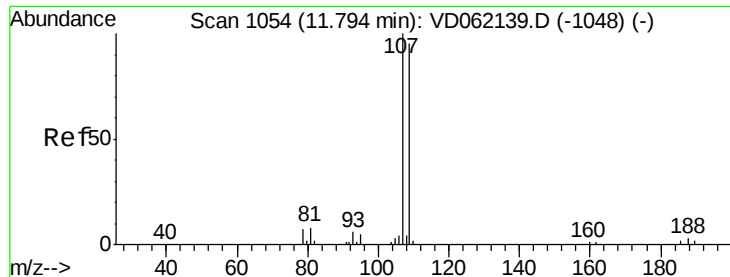
Tot Ion: 43 Resp: 320332
Ion Ratio Lower Upper
43 100
58 46.8 25.4 76.4



#60
Dibromochloromethane
Concen: 21.938 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 129 Resp: 194931
Ion Ratio Lower Upper
129 100
127 79.3 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.617 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

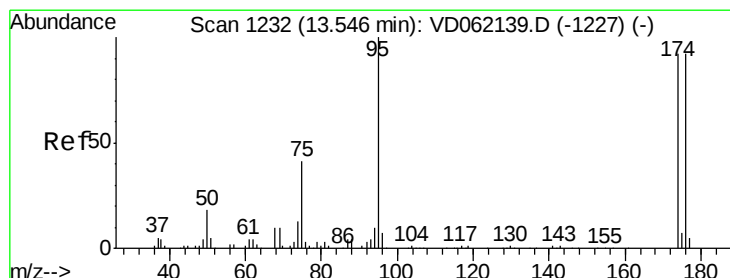
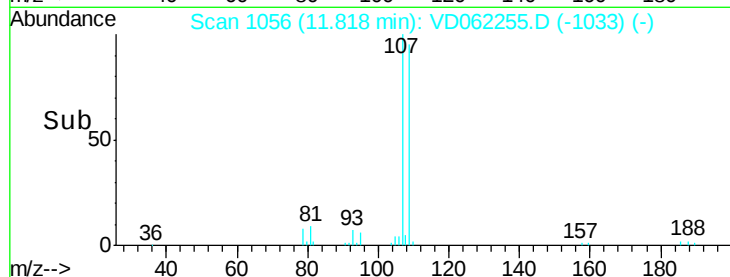
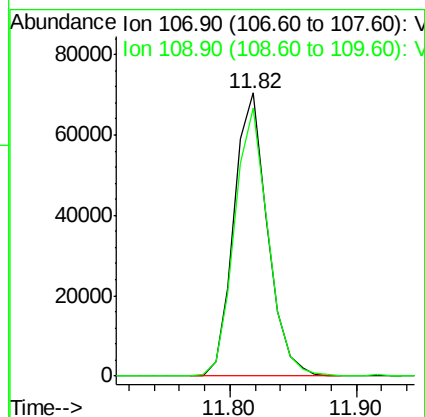
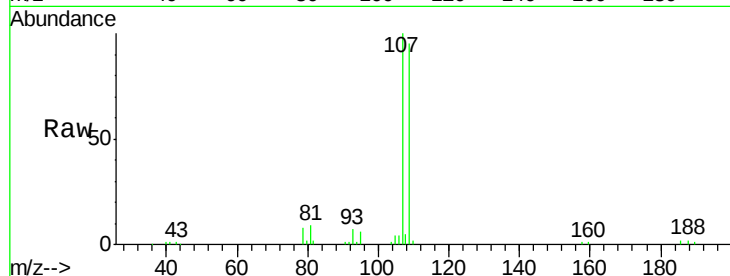
VD0512SBSD01

Tot Ion:107 Resp: 128874

Ion Ratio Lower Upper

107 100

109 94.7 78.3 117.5



#62

4-Bromofluorobenzene

Concen: 41.642 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

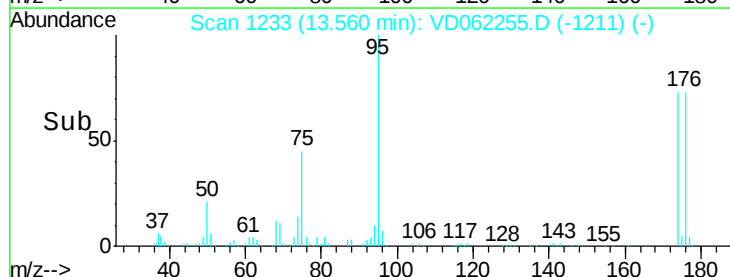
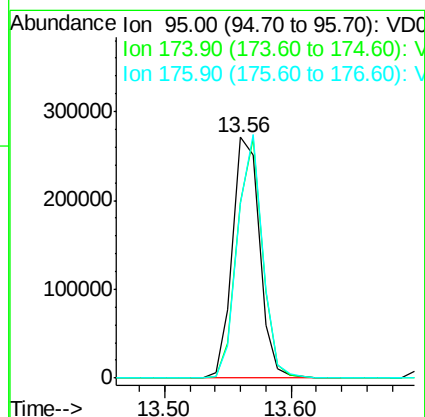
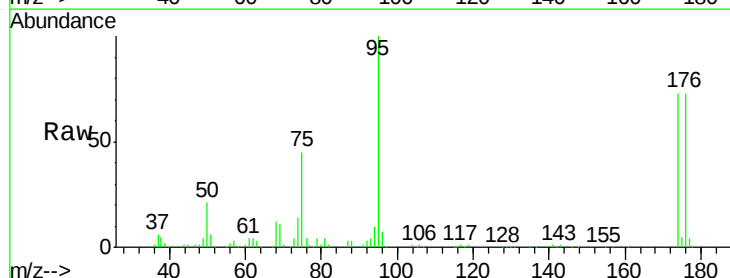
Tgt Ion: 95 Resp: 403540

Ion Ratio Lower Upper

95 100

174 72.9 0.0 181.8

176 72.6 0.0 174.4

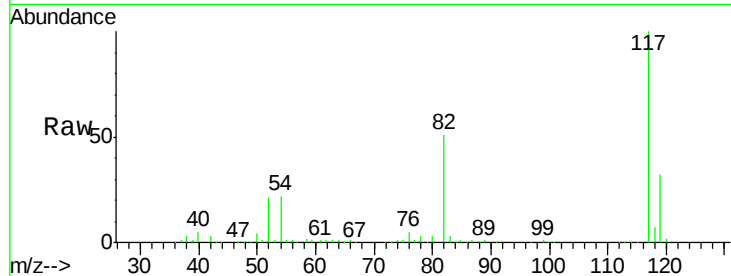




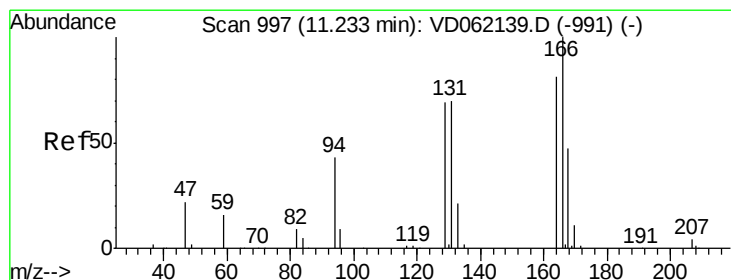
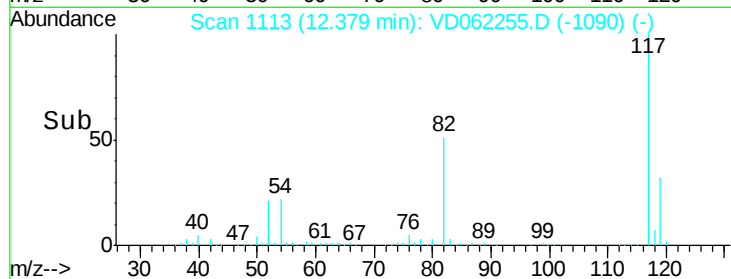
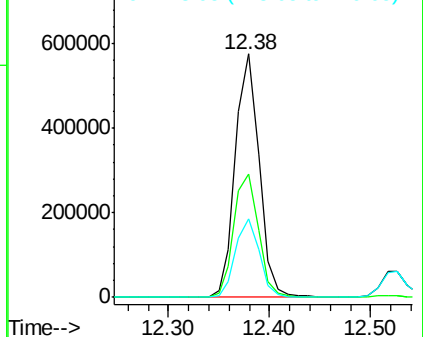
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion:117 Resp: 947383
Ion Ratio Lower Upper
117 100
82 50.5 36.2 54.2
119 32.3 26.2 39.4

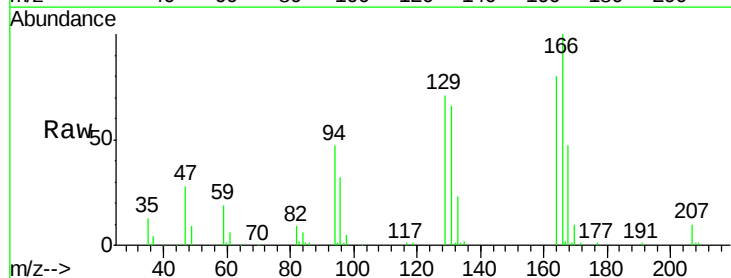


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

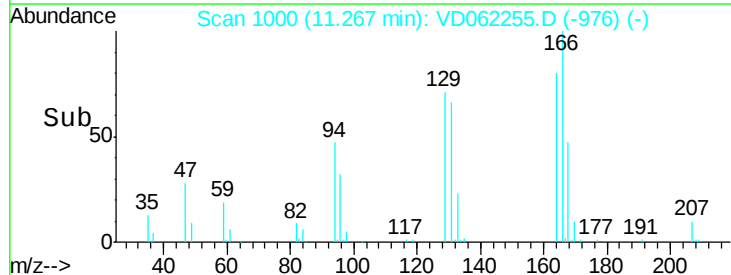
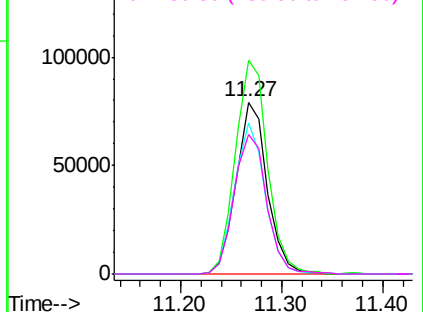


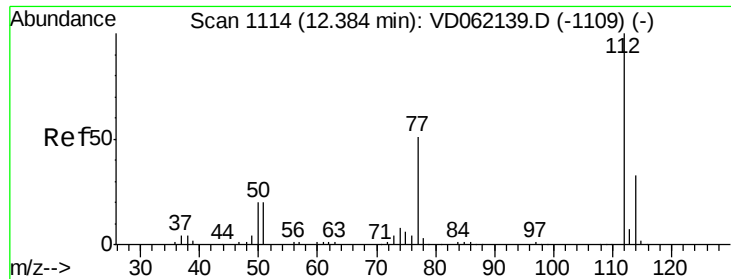
#64
Tetrachloroethene
Concen: 22.820 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion:164 Resp: 169054
Ion Ratio Lower Upper
164 100
166 124.4 101.5 152.3
129 88.1 74.6 112.0
131 81.6 72.6 108.8



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

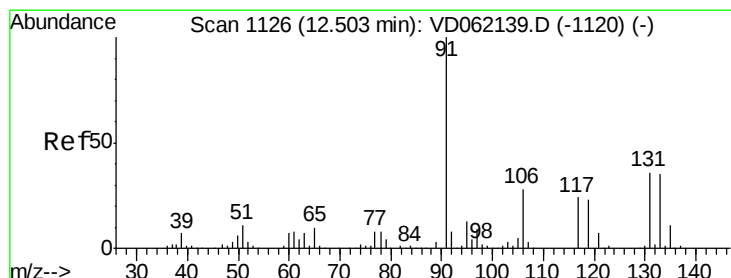
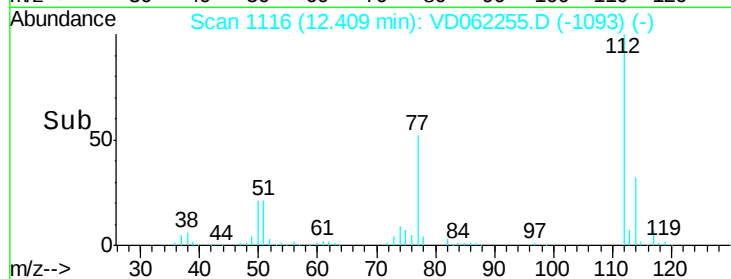
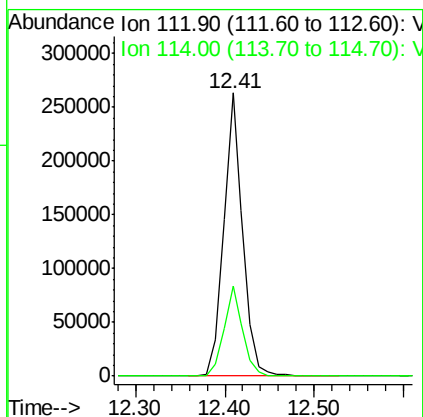
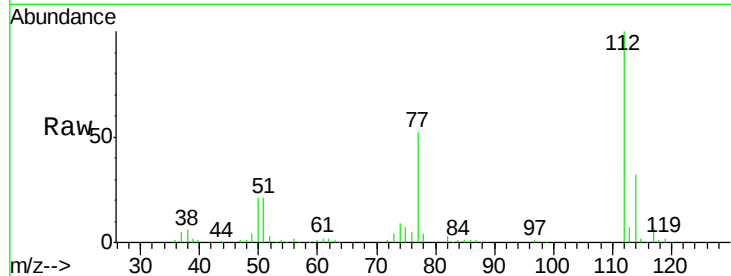




#65
Chlorobenzene
Concen: 22.237 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

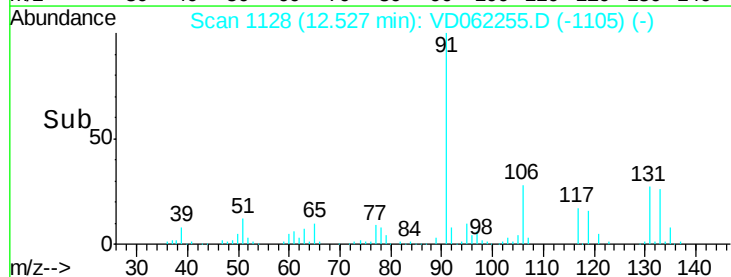
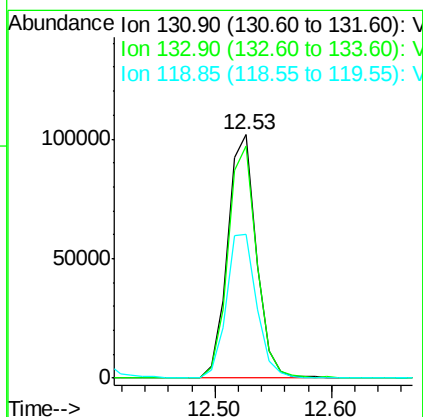
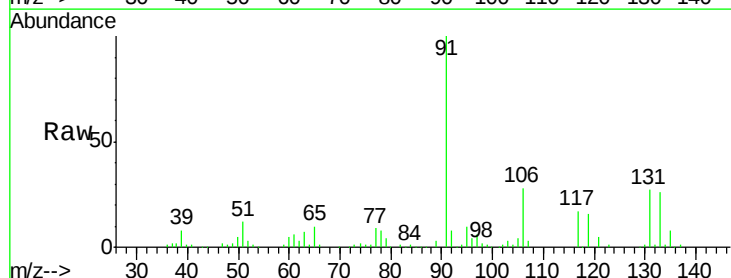
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion:112 Resp: 392382
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.635 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion:131 Resp: 173824
Ion Ratio Lower Upper
131 100
133 95.5 48.6 145.8
119 59.2 34.7 104.1

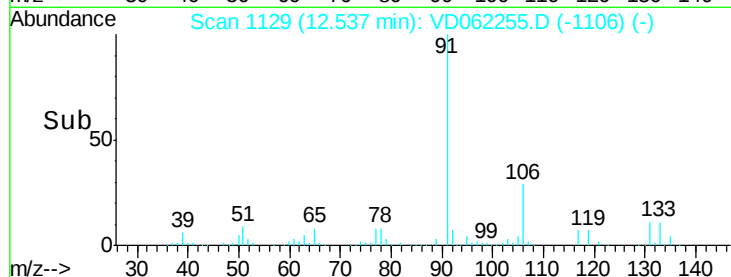
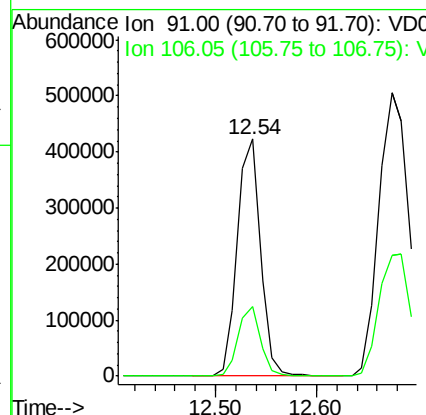
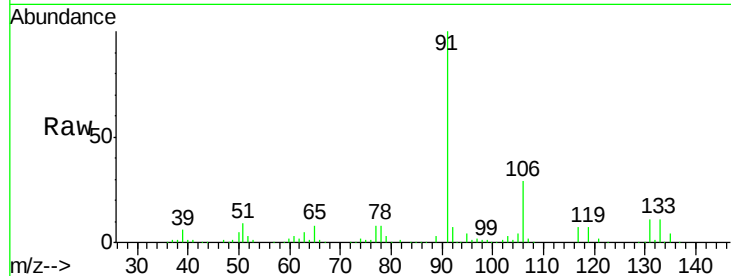




#67
Ethyl Benzene
Concen: 22.935 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

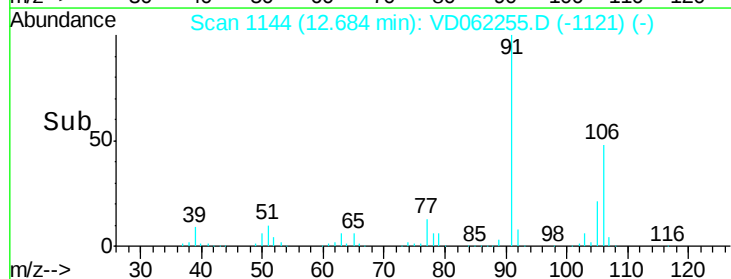
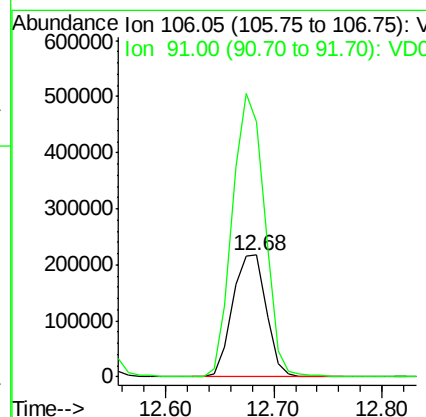
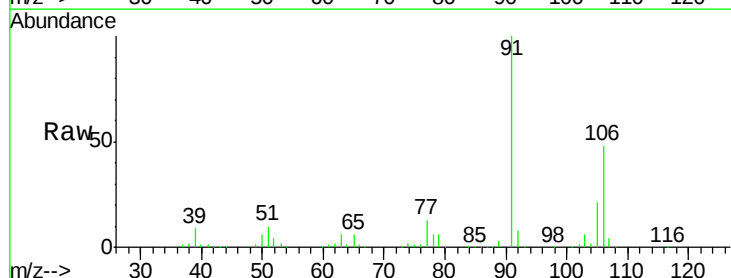
Instrument :
MSVOA_D
ClientSampleID :
VD0512SBS01

Tot Ion: 91 Resp: 677512
Ion Ratio Lower Upper
91 100
106 29.4 24.7 37.1



#68
m/p-Xylenes
Concen: 43.736 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 106 Resp: 470058
Ion Ratio Lower Upper
106 100
91 209.6 164.0 246.0

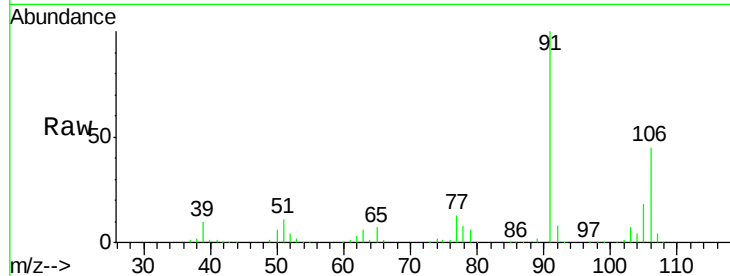




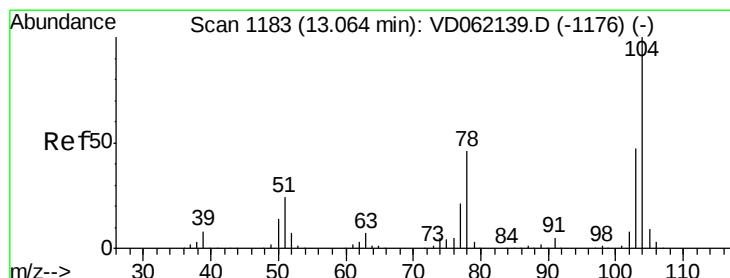
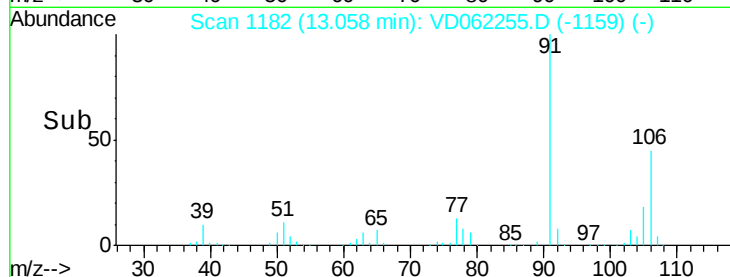
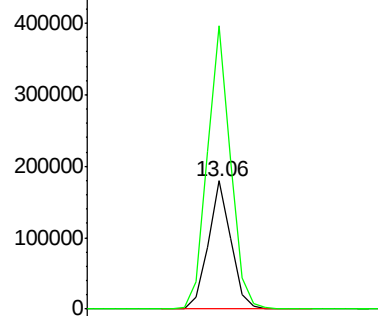
#69
o-Xylene
Concen: 24.171 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion:106 Resp: 241518
Ion Ratio Lower Upper
106 100
91 220.7 106.7 319.9

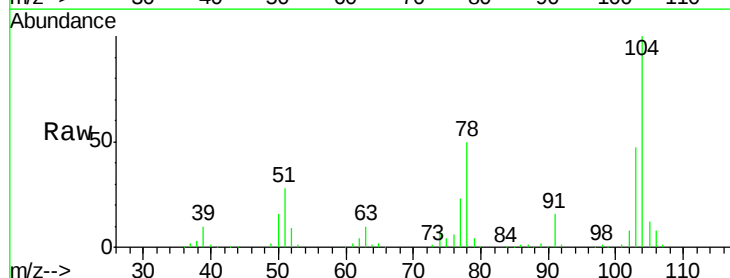


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

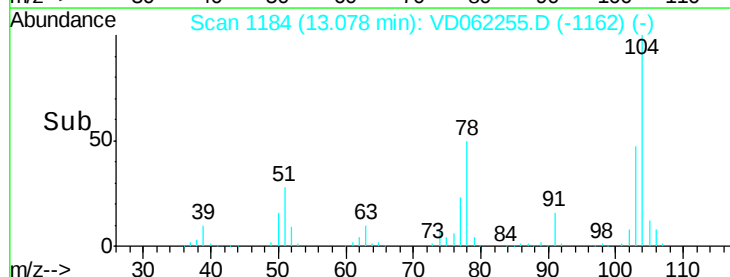
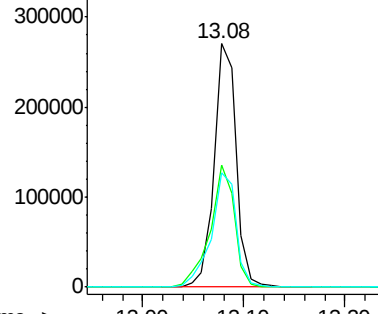


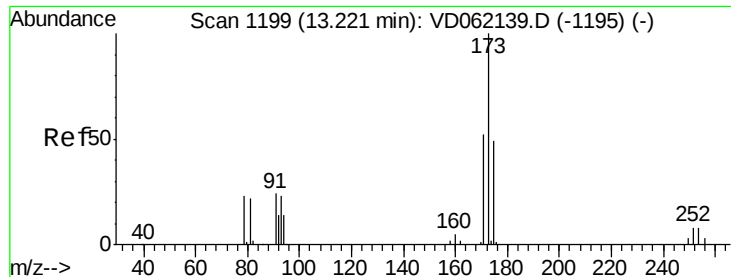
#70
Styrene
Concen: 24.236 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion:104 Resp: 410231
Ion Ratio Lower Upper
104 100
78 49.9 35.4 53.2
103 47.0 37.5 56.3



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





#71

Bromoform

Concen: 22.871 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

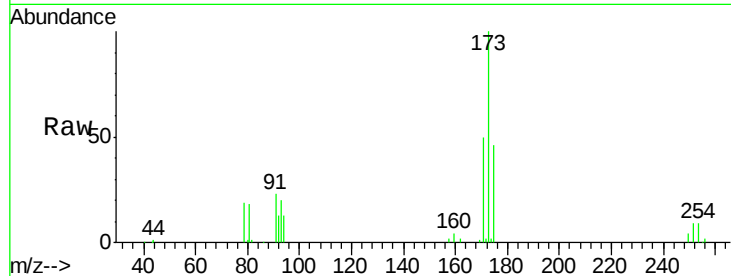
Tot Ion:173 Resp: 122196

Ion Ratio Lower Upper

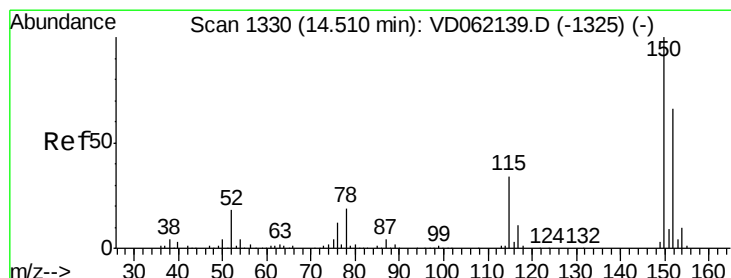
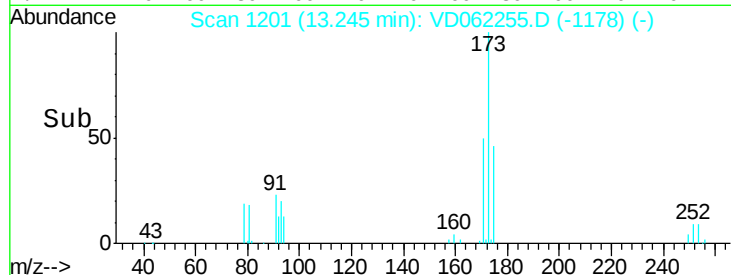
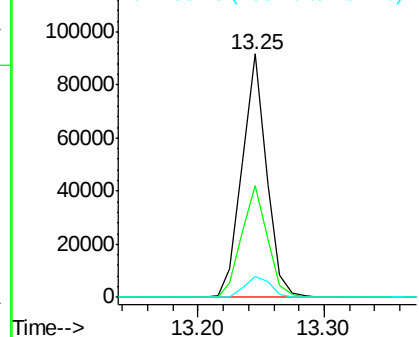
173 100

175 46.0 24.4 73.4

254 8.8 5.4 8.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

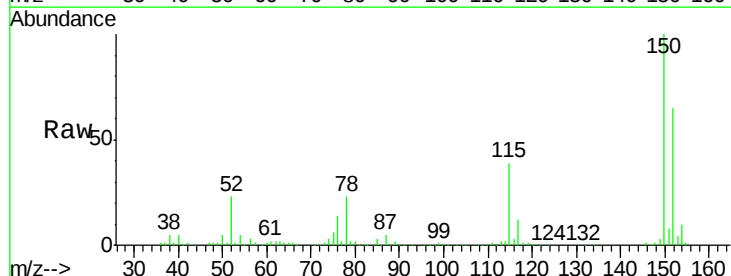
Tgt Ion:152 Resp: 493924

Ion Ratio Lower Upper

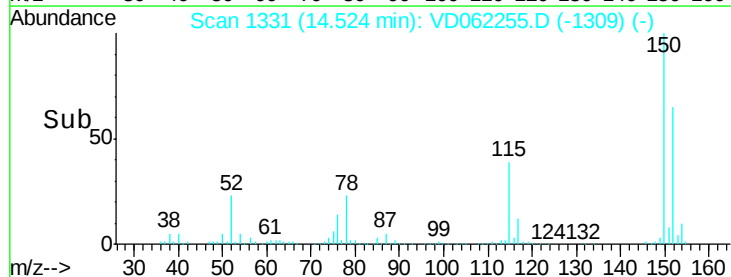
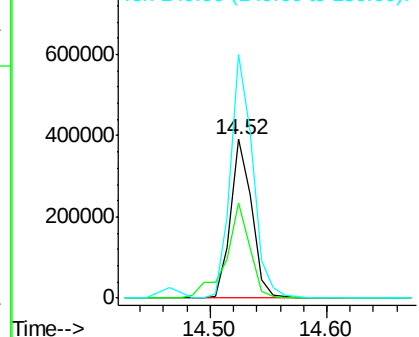
152 100

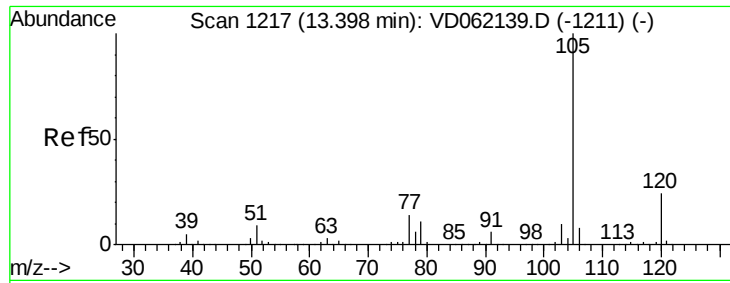
115 59.8 30.9 92.7

150 153.1 0.0 314.8



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: 22.948 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

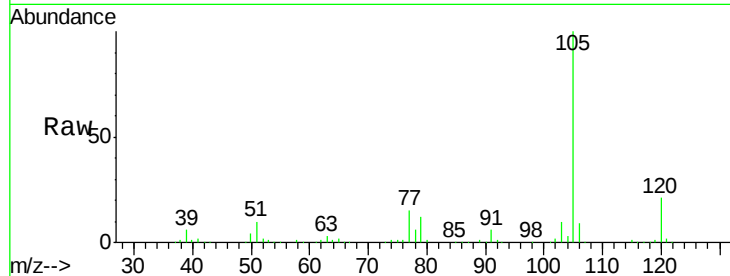
VD0512SBSD01

Tot Ion:105 Resp: 679443

Ion Ratio Lower Upper

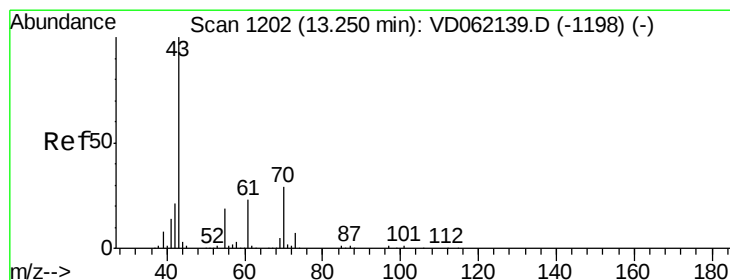
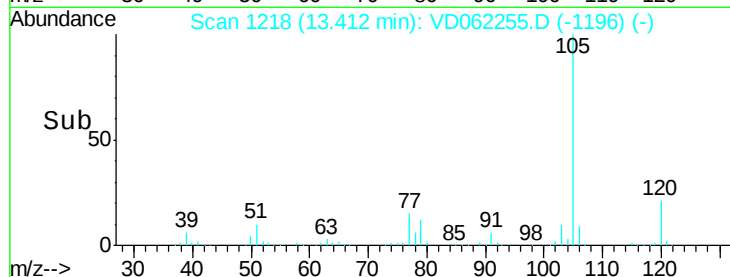
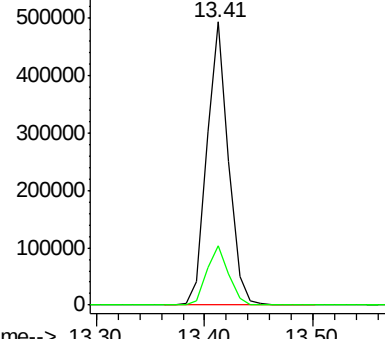
105 100

120 21.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.616 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Tgt Ion: 43 Resp: 175558

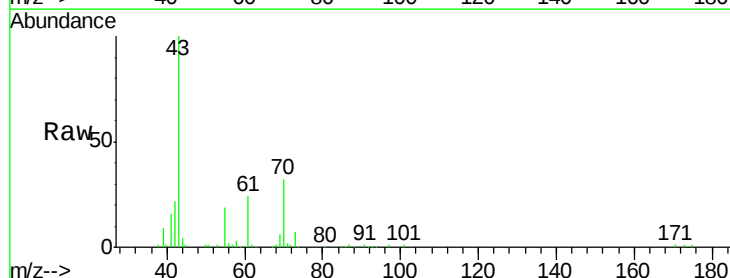
Ion Ratio Lower Upper

43 100

70 32.0 24.2 36.4

55 19.1 16.0 24.0

61 24.0 21.6 32.4

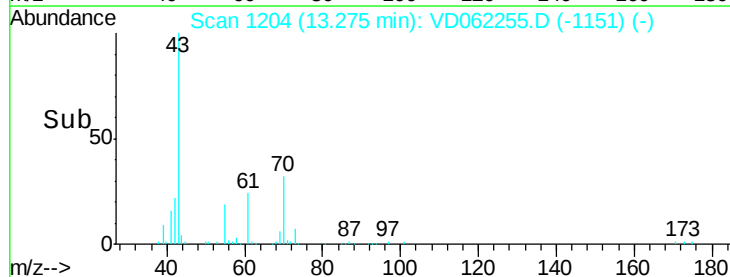
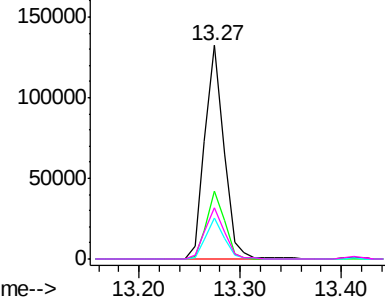


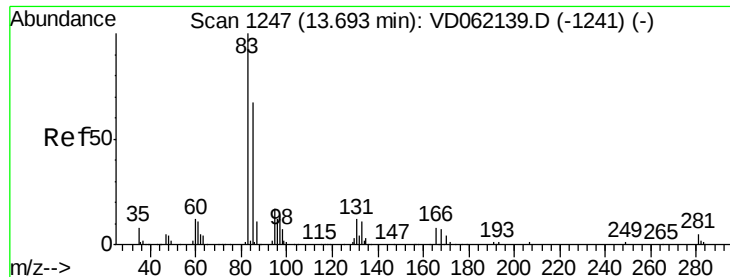
Abundance Ion 42.95 (42.65 to 43.65): V

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: 22.580 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

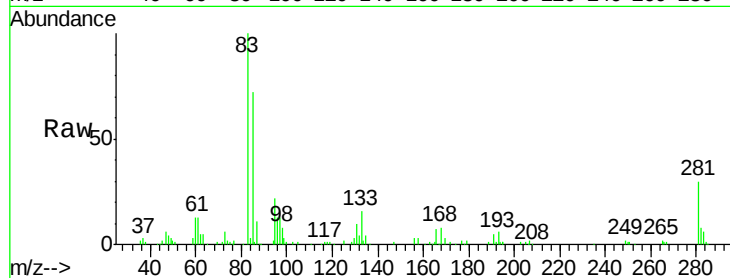
Tot Ion: 83 Resp: 126560

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	71.9	32.6	97.7

83 100

131 10.4 5.0 14.9

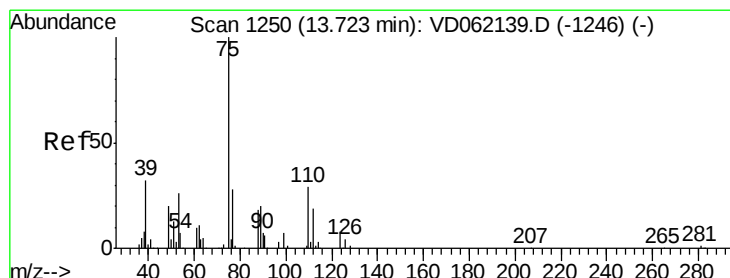
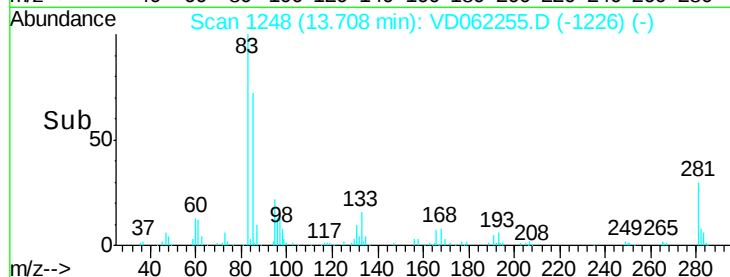
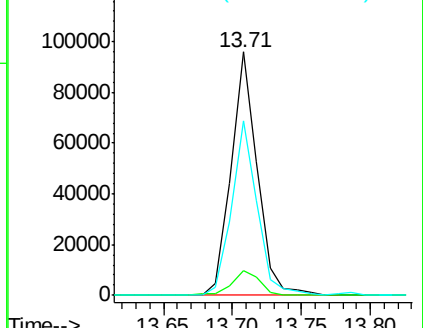
85 71.9 32.6 97.7



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: 24.232 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062255.D

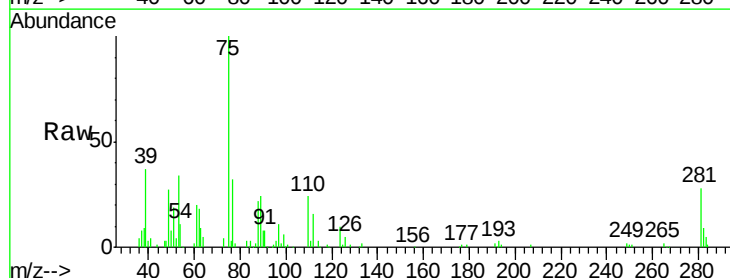
Acq: 12 May 2019 13:29

Tgt Ion: 75 Resp: 142239

Ion	Ratio	Lower	Upper
75	100		
77	31.9	16.4	49.4

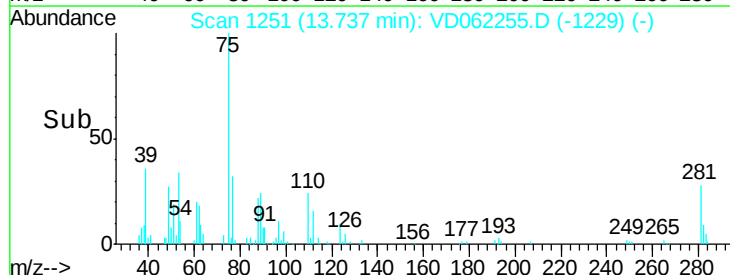
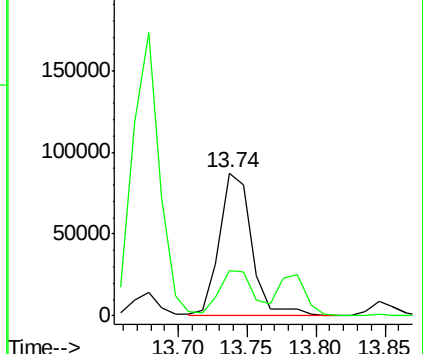
75 100

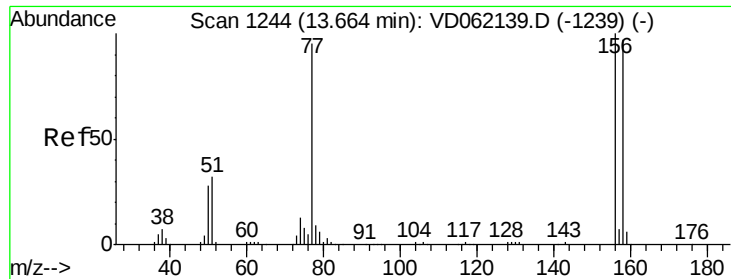
77 31.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.461 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

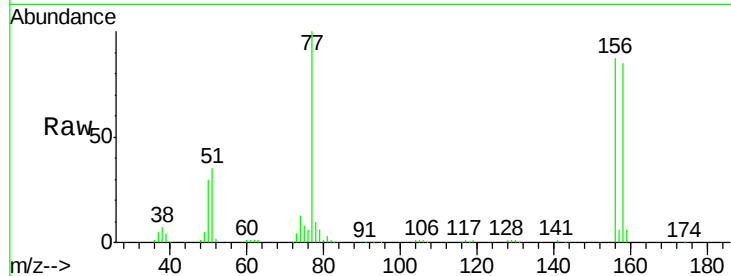
Tot Ion:156 Resp: 194449

Ion Ratio Lower Upper

156 100

77 114.8 53.1 159.4

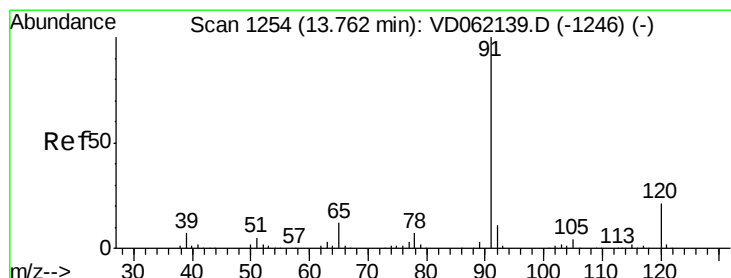
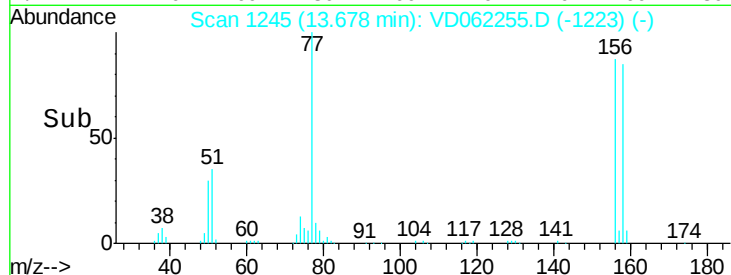
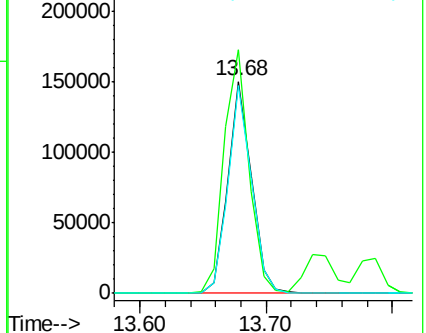
158 98.0 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 25.807 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062255.D

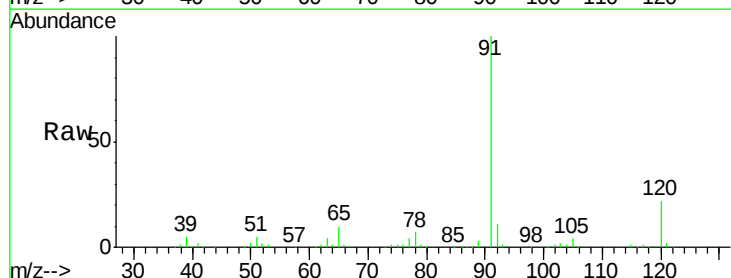
Acq: 12 May 2019 13:29

Tgt Ion: 91 Resp: 911458

Ion Ratio Lower Upper

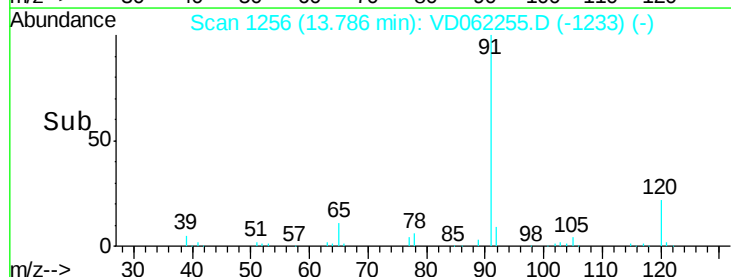
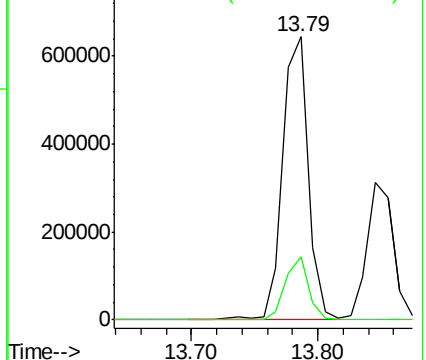
91 100

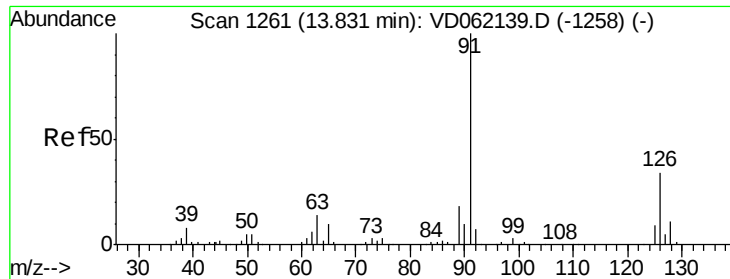
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

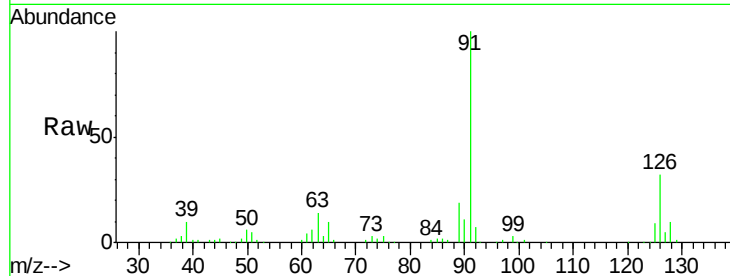




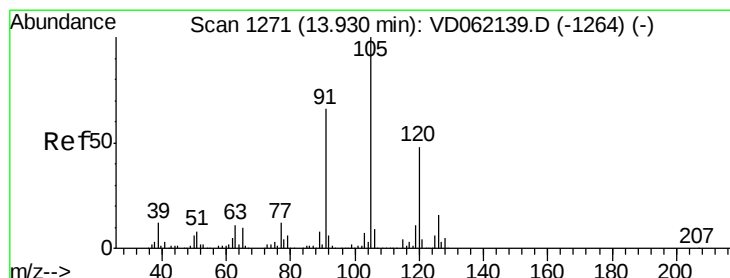
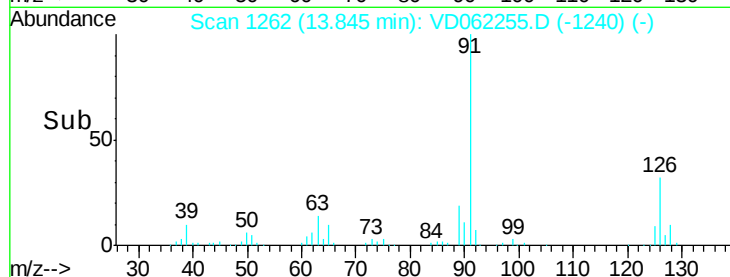
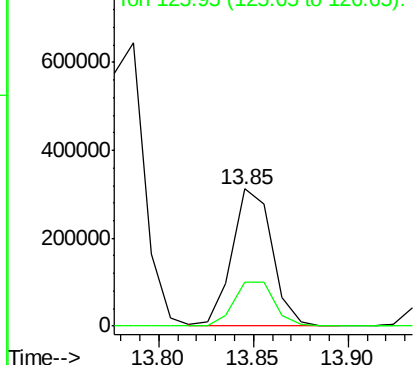
#79
 2-Chlorotoluene
 Concen: 22.291 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

Tot Ion: 91 Resp: 450898
 Ion Ratio Lower Upper
 91 100
 126 32.3 18.6 55.8

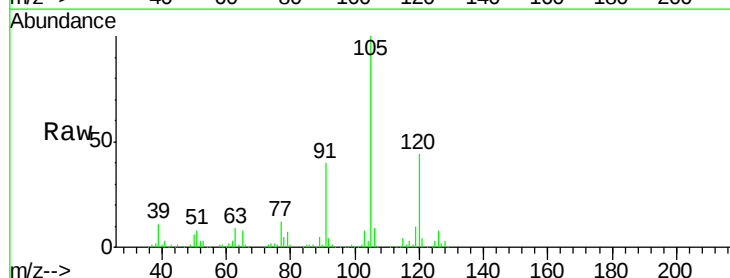


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

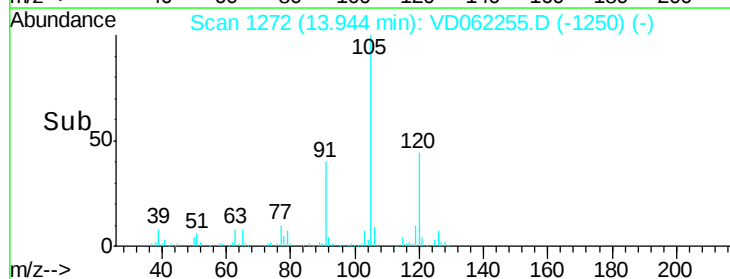
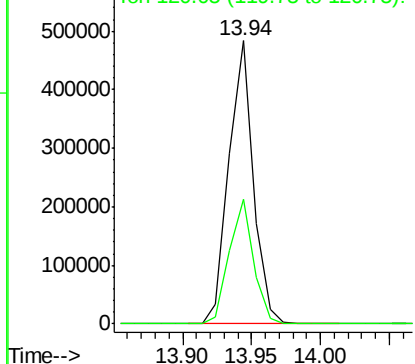


#80
 1,3,5-Trimethylbenzene
 Concen: 23.959 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion:105 Resp: 597333
 Ion Ratio Lower Upper
 105 100
 120 44.0 24.0 72.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 21.372 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

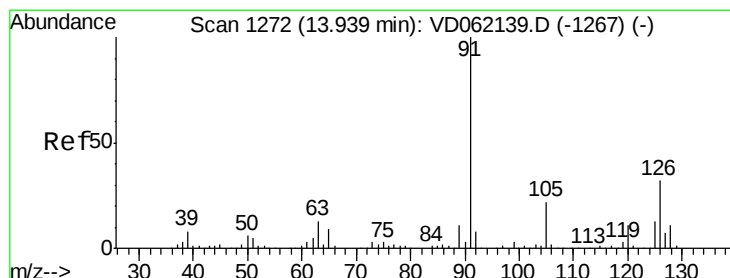
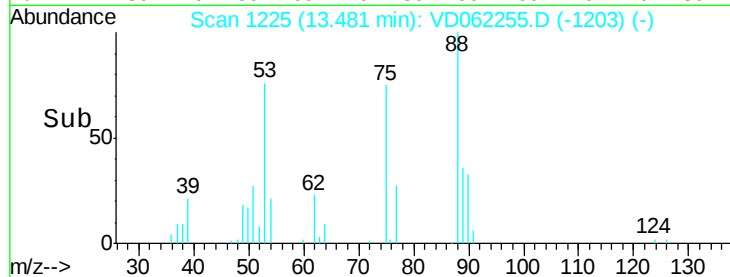
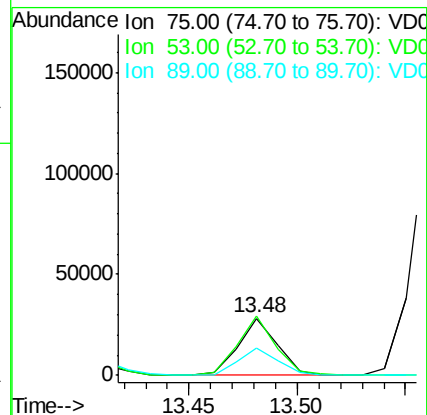
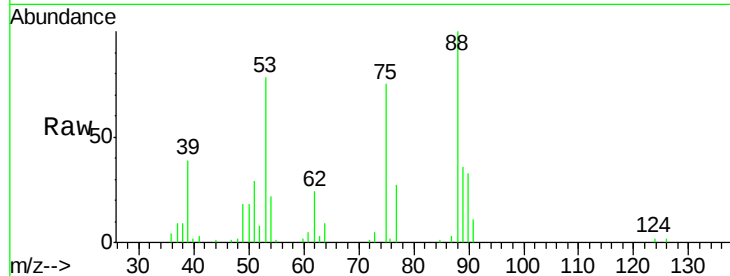
Tot Ion: 75 Resp: 35415

Ion Ratio Lower Upper

75 100

53 103.2 65.8 98.8#

89 48.3 35.0 52.6



#82

4-Chlorotoluene

Concen: 24.734 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062255.D

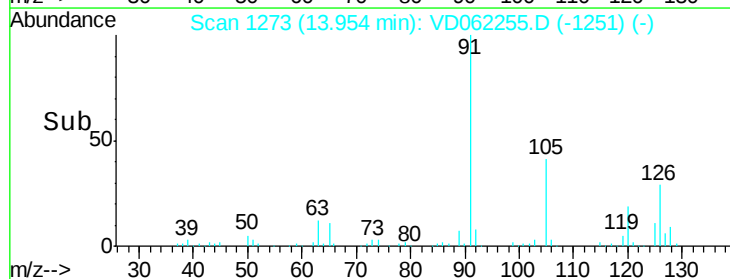
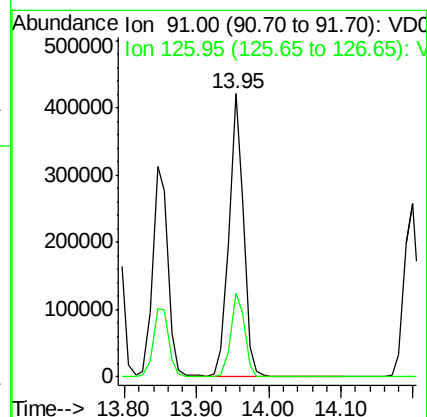
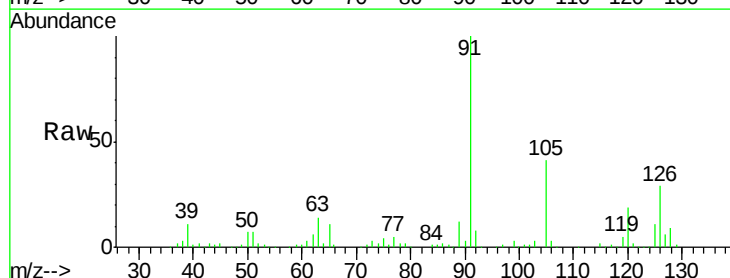
Acq: 12 May 2019 13:29

Tgt Ion: 91 Resp: 588740

Ion Ratio Lower Upper

91 100

126 29.5 19.1 57.5

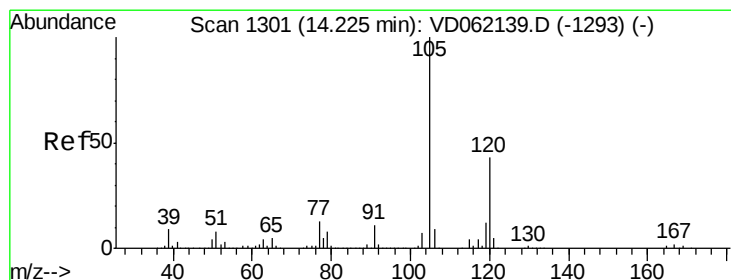
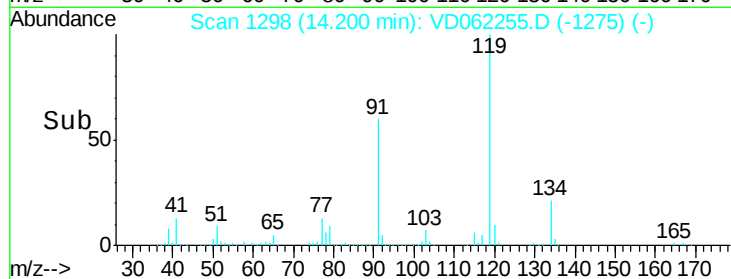
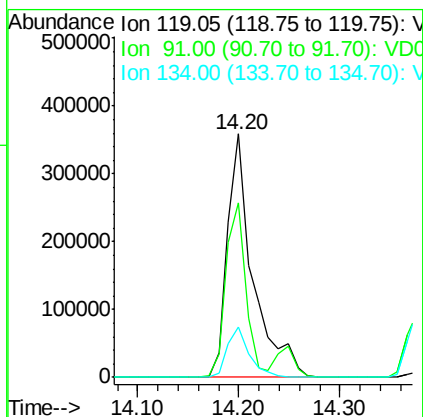
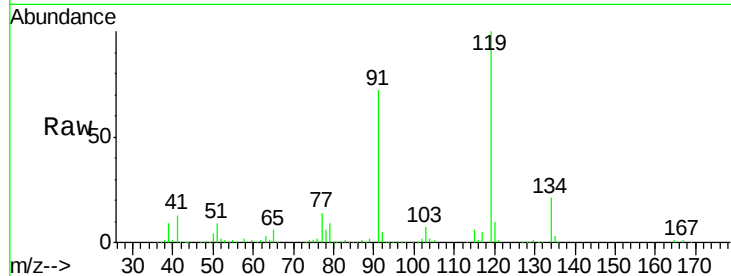




#83
 tert-Butylbenzene
 Concen: 22.483 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

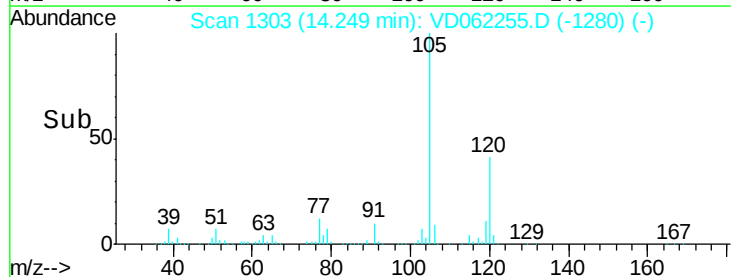
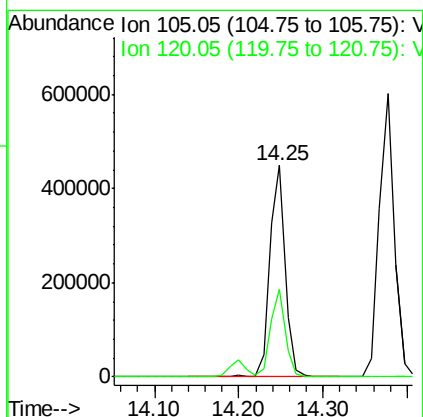
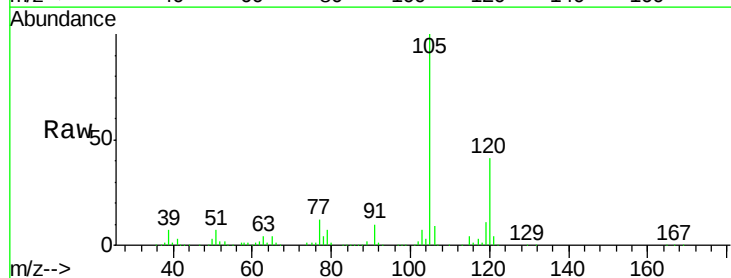
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

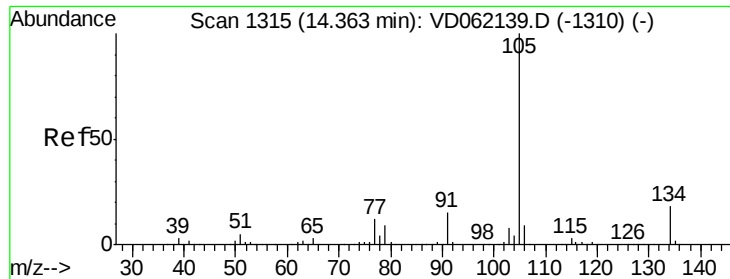
Tot Ion:119 Resp: 630055
 Ion Ratio Lower Upper
 119 100
 91 71.9 34.2 102.6
 134 20.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 23.122 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion:105 Resp: 578491
 Ion Ratio Lower Upper
 105 100
 120 41.3 23.1 69.2

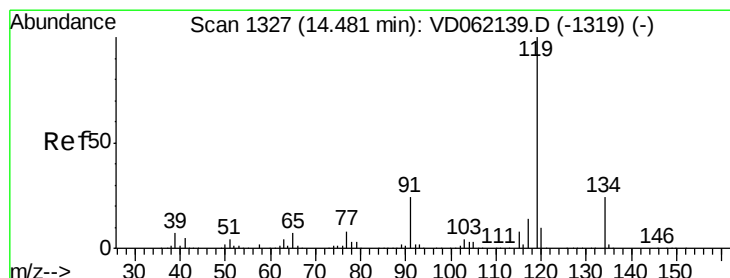
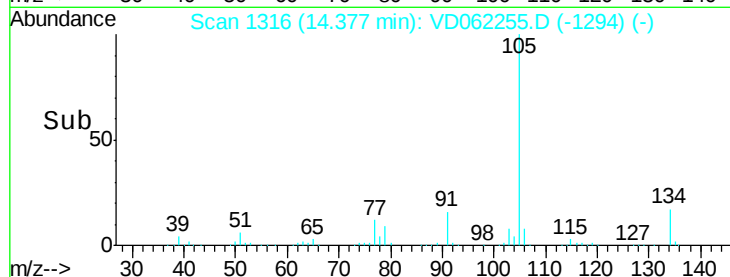
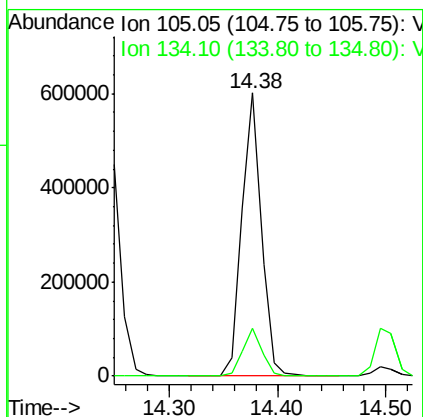
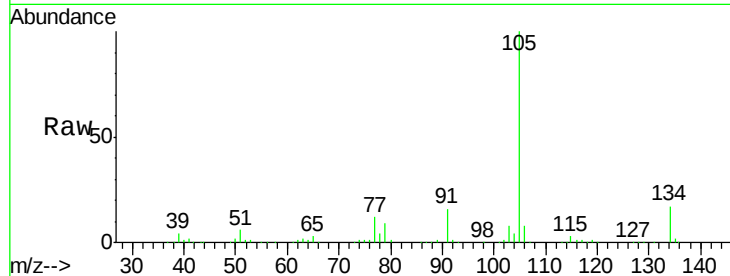




#85
 sec-Butylbenzene
 Concen: 24.572 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

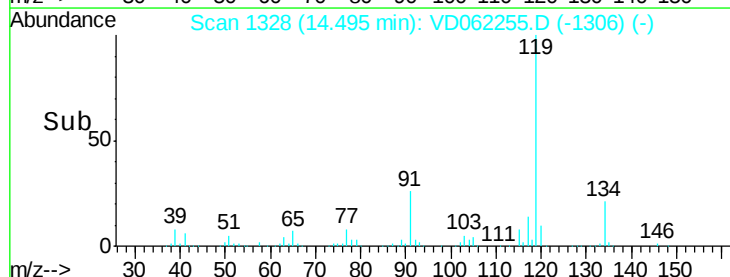
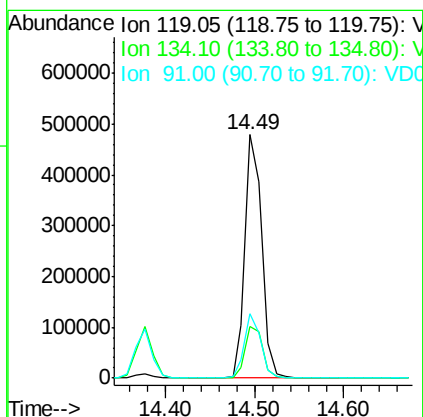
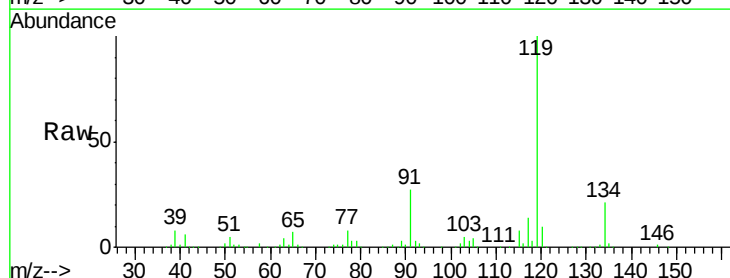
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

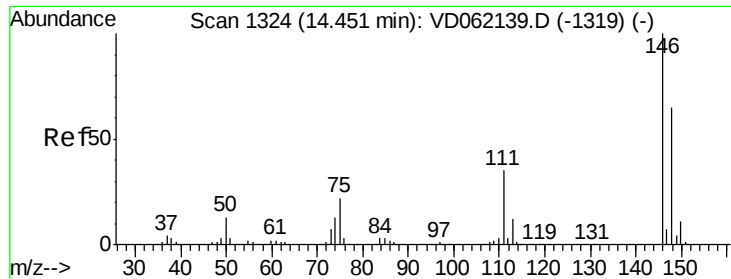
Tot Ion:105 Resp: 754965
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 22.834 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion:119 Resp: 626802
 Ion Ratio Lower Upper
 119 100
 134 21.0 12.8 38.3
 91 26.6 10.7 32.1

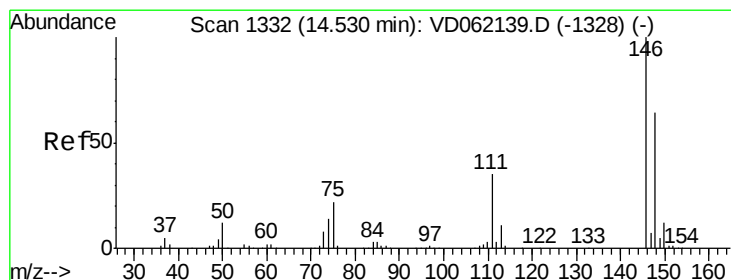
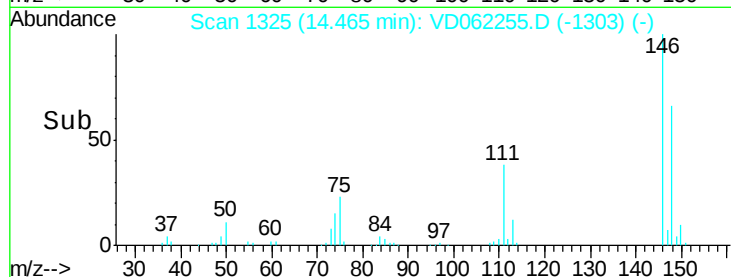
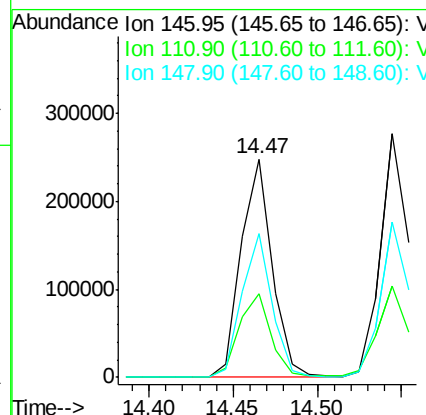
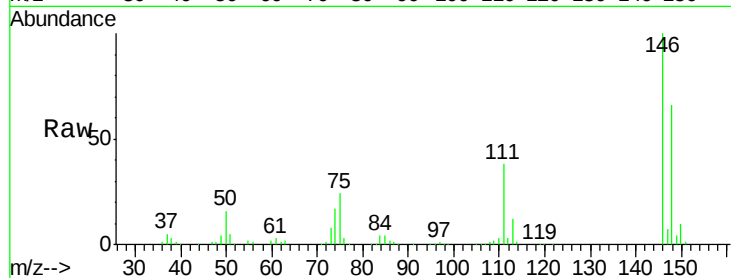




#87
 1,3-Dichlorobenzene
 Concen: 21.010 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

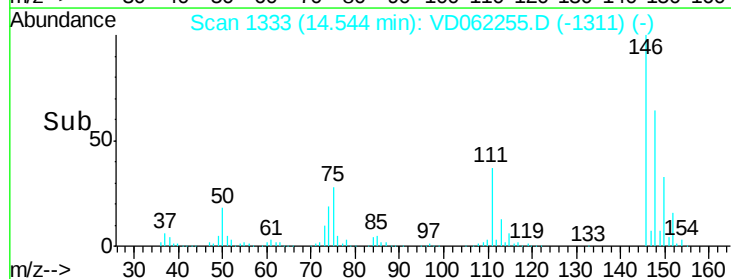
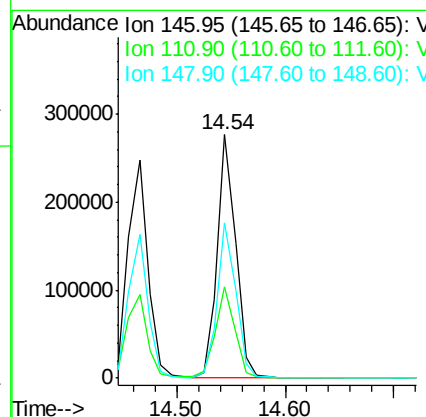
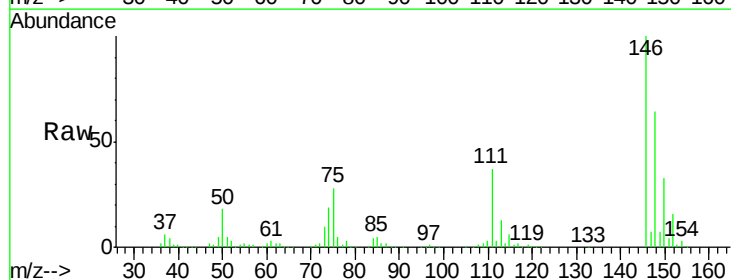
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

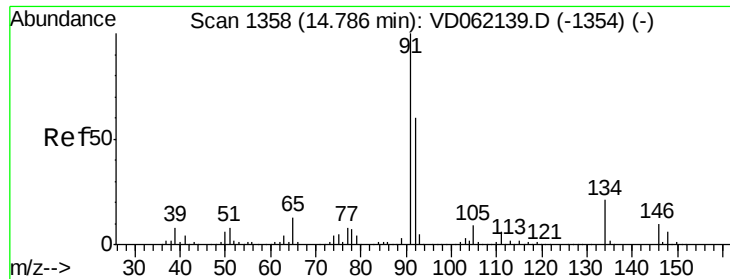
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.0	60.0
148	65.7	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.196 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.2	60.5
148	63.9	32.0	96.2

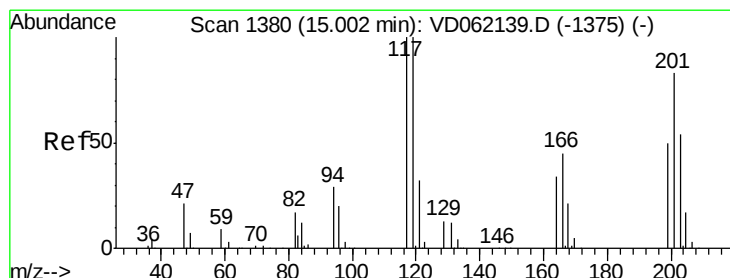
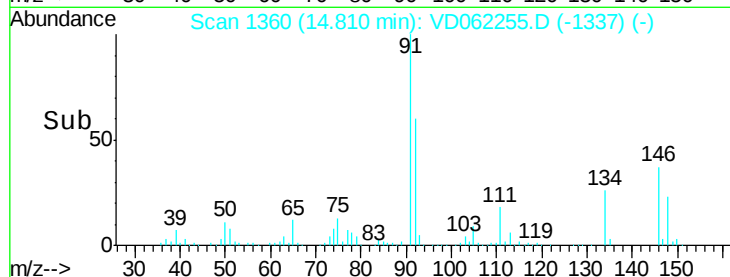
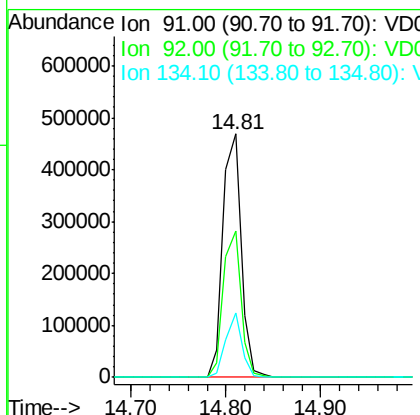
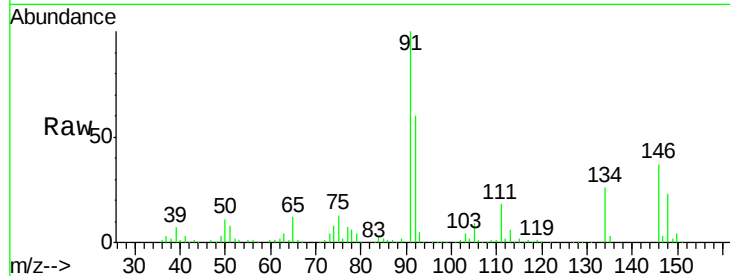




#89
n-Butylbenzene
Concen: 25.380 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

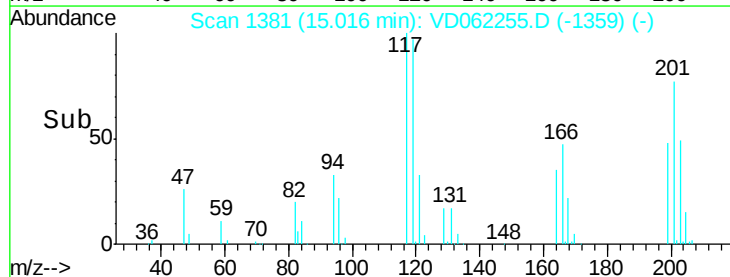
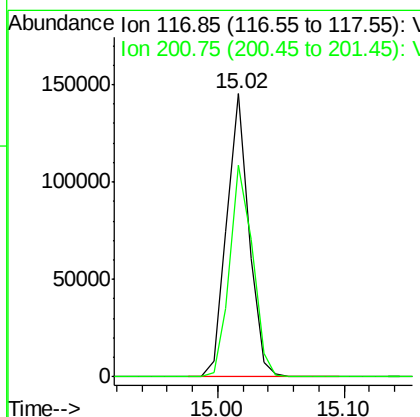
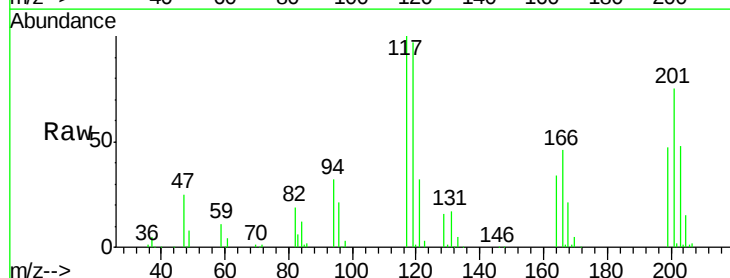
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

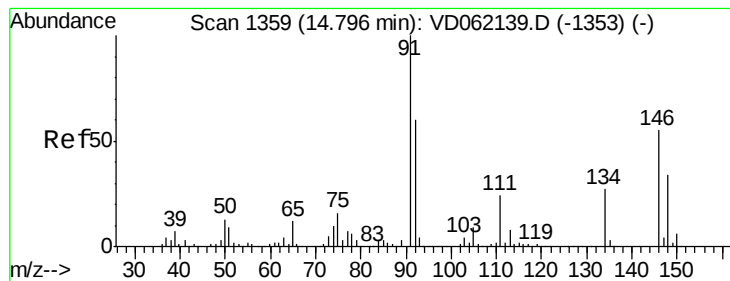
Tot Ion: 91 Resp: 625331
Ion Ratio Lower Upper
91 100
92 59.8 30.3 91.0
134 26.4 14.5 43.6



#90
Hexachloroethane
Concen: 23.620 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 117 Resp: 176325
Ion Ratio Lower Upper
117 100
201 74.9 30.2 90.6





#91

1,2-Dichlorobenzene

Concen: 24.937 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

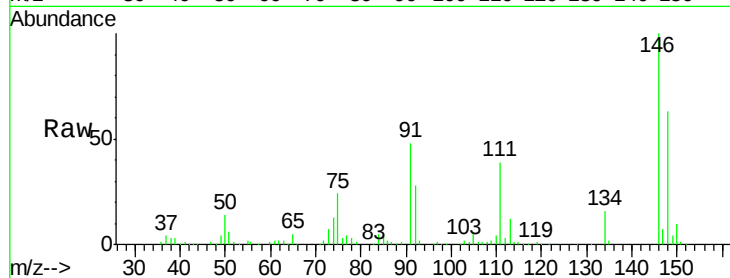
Tot Ion:146 Resp: 310949

Ion Ratio Lower Upper

146 100

111 38.7 20.0 59.9

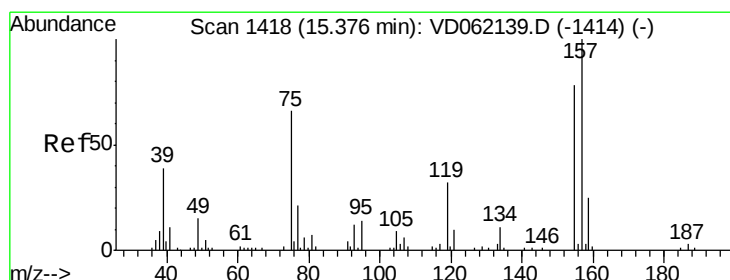
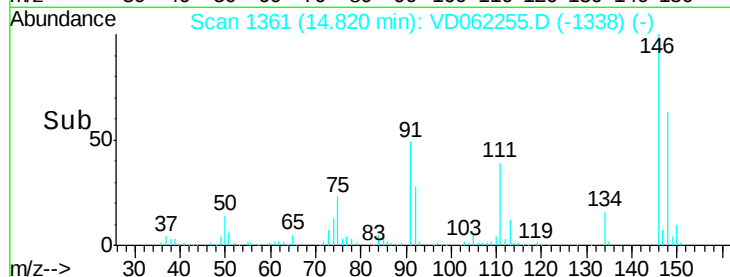
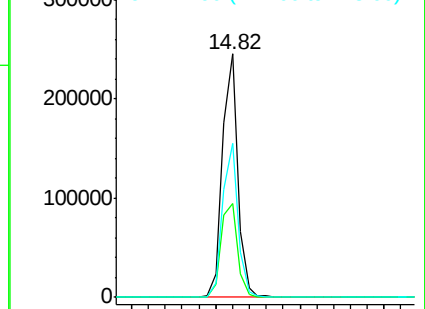
148 63.3 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.809 ug/l

RT: 15.39 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

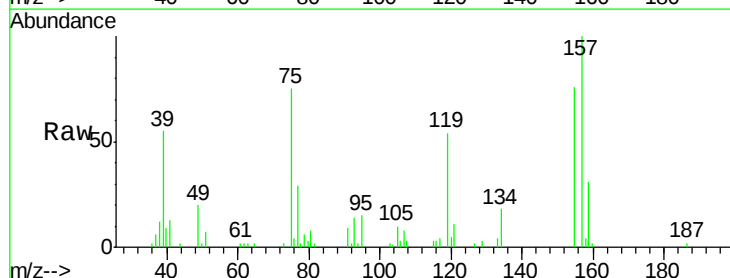
Tgt Ion: 75 Resp: 20986

Ion Ratio Lower Upper

75 100

155 101.4 55.3 165.8

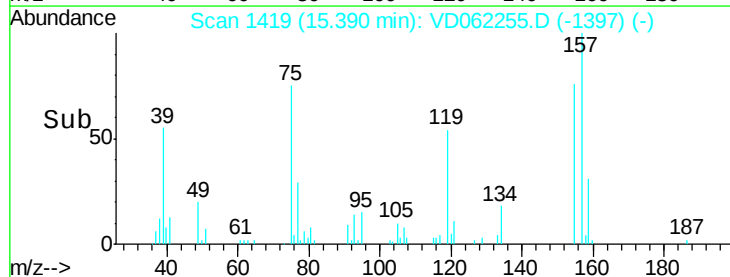
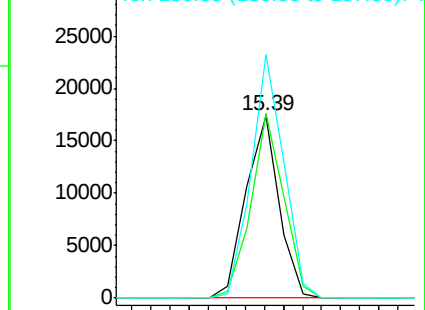
157 133.5 67.8 203.2



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

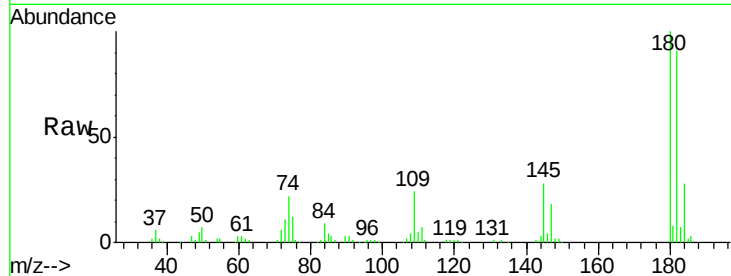




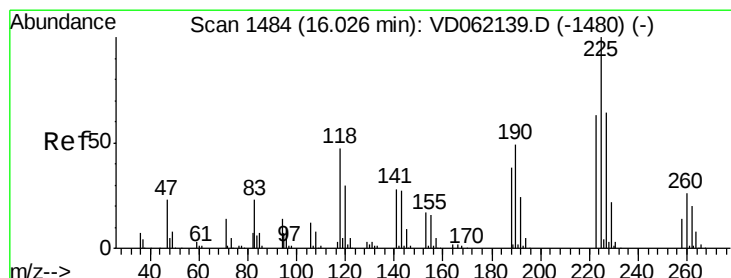
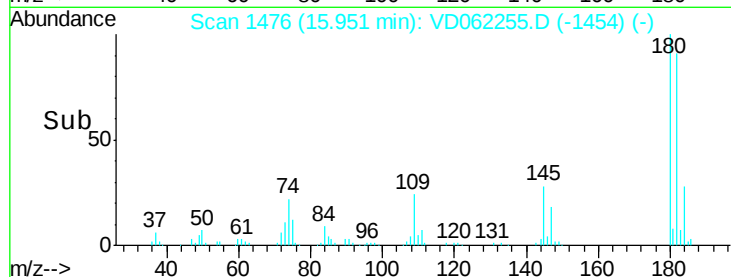
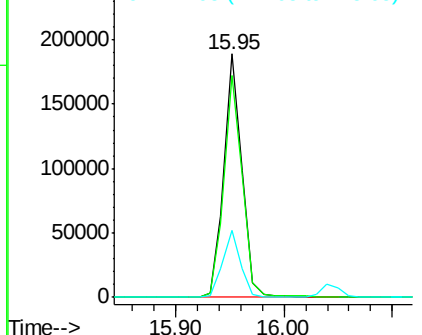
#93
 1,2,4-Trichlorobenzene
 Concen: 24.271 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.2	49.3	147.8
145	27.7	16.2	48.6

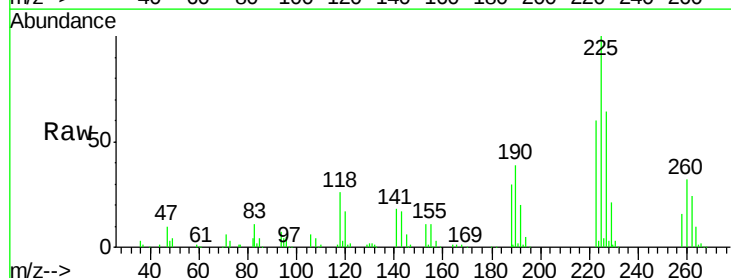


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

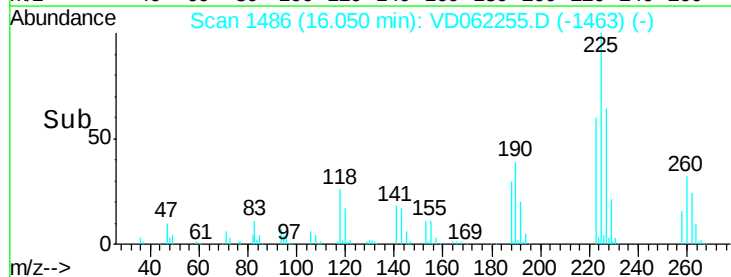
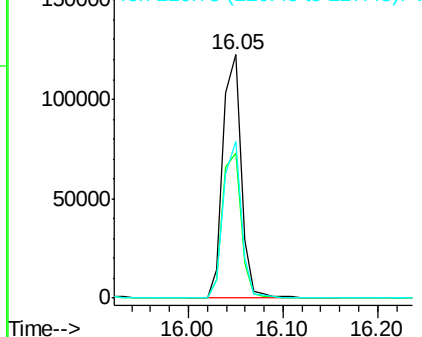


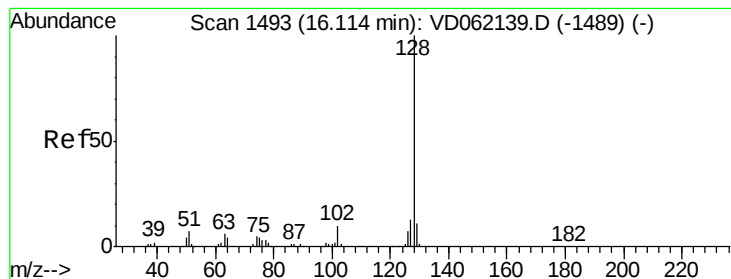
#94
 Hexachlorobutadiene
 Concen: 24.351 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.8	30.6	92.0
227	64.2	32.0	96.2



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





#95

Naphthalene

Concen: 20.144 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

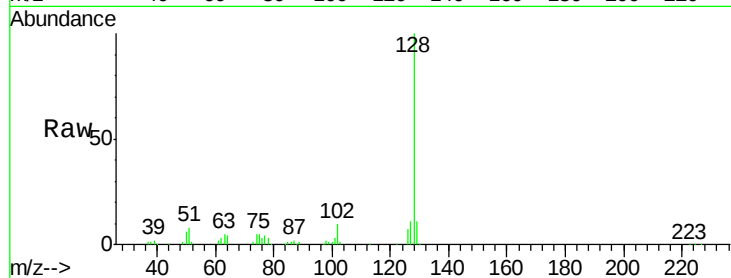
Tot Ion:128 Resp: 255248

Ion Ratio Lower Upper

128 100

127 11.3 9.8 14.8

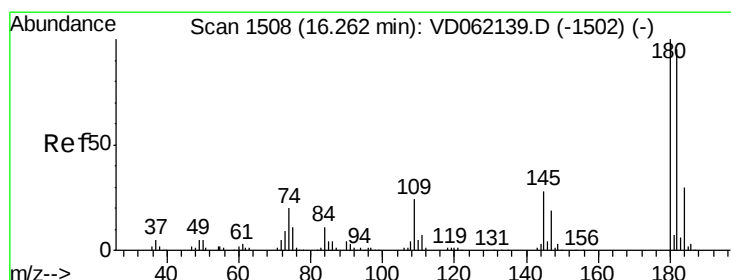
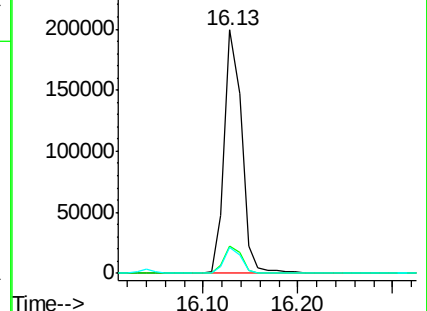
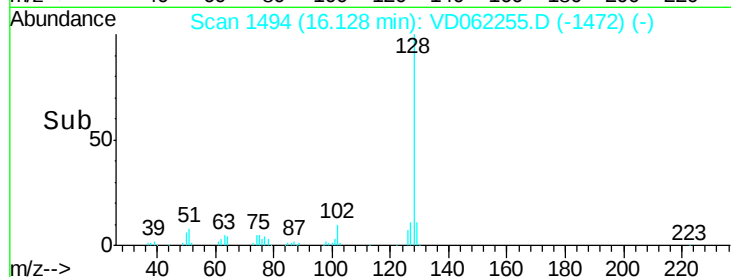
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 27.889 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

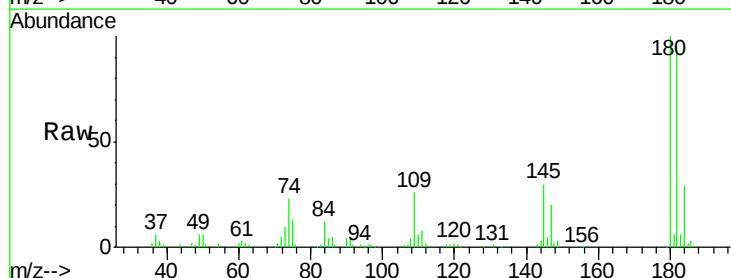
Tgt Ion:180 Resp: 159142

Ion Ratio Lower Upper

180 100

182 94.9 47.0 141.0

145 30.5 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

