

Data File : VD062231.D
Acq On : 11 May 2019 12:23
Operator : FY/SY
Sample : VD0511SBSD01
Misc : 5.00g/5mL/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBSD01

Quant Time: May 11 22:19:59 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	7.04	168	875206	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1189520	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	972372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	503347	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	356245	43.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	87.60%	
35) Dibromofluoromethane	6.92	113	442202	44.80	ug/l	0.03
Spiked Amount	50.000		Recovery	=	89.60%	
50) Toluene-d8	10.41	98	1048500	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
62) 4-Bromofluorobenzene	13.56	95	436555	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	150582	17.989	ug/l	96
3) Chloromethane	1.75	50	105015	17.363	ug/l	92
4) Vinyl Chloride	1.85	62	103469	17.407	ug/l	100
5) Bromomethane	2.15	94	31562	22.660	ug/l	97
6) Chloroethane	2.25	64	53846	21.588	ug/l	94
7) Trichlorofluoromethane	2.52	101	230585	19.953	ug/l	100
8) Diethyl Ether	2.87	74	33670	15.107	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.14	101	180281	20.622	ug/l	98
10) Methyl Iodide	3.30	142	201420	15.245	ug/l #	86
11) Tert butyl alcohol	4.07	59	37705	90.819	ug/l	99
12) 1,1-Dichloroethene	3.12	96	127333	19.081	ug/l	94
13) Acrolein	3.04	56	37379	87.048	ug/l	99
14) Allyl chloride	3.62	41	181853	18.742	ug/l	86
15) Acrylonitrile	4.20	53	101035	92.587	ug/l	86
16) Acetone	3.22	43	183755	107.732	ug/l	90
17) Carbon Disulfide	3.37	76	322111	16.779	ug/l	99
18) Methyl Acetate	3.64	43	54335	17.615	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	280136	19.585	ug/l	95
20) Methylene Chloride	3.81	84	141123	19.816	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	135294	18.219	ug/l	93
22) Diisopropyl ether	5.11	45	398389	19.295	ug/l	93
23) Vinyl Acetate	5.05	43	1128205	103.563	ug/l	97
24) 1,1-Dichloroethane	4.97	63	243837	19.576	ug/l	97
25) 2-Butanone	6.07	43	179289	96.368	ug/l	98
26) 2,2-Dichloropropane	6.03	77	253084	20.398	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	156601	18.840	ug/l	97
28) Bromochloromethane	6.43	49	107711	21.979	ug/l	90
29) Tetrahydrofuran	6.45	42	78974	92.127	ug/l	98
30) Chloroform	6.66	83	288439	19.214	ug/l	98
31) Cyclohexane	6.95	56	150118	17.591	ug/l	92
32) 1,1,1-Trichloroethane	6.86	97	285768	20.140	ug/l	97
36) 1,1-Dichloropropene	7.14	75	196343	20.132	ug/l	94
37) Ethyl Acetate	6.17	43	80850	19.547	ug/l #	90
38) Carbon Tetrachloride	7.11	117	280243	20.760	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	180619	19.329	ug/l	97
40) Benzene	7.45	78	421357	19.132	ug/l	93
41) Methacrylonitrile	6.44	41	100404	19.864	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	184418	19.764	ug/l	94
43) Isopropyl Acetate	9.24	43	114678	19.550	ug/l	96
44) Trichloroethene	8.54	130	161574	19.253	ug/l	80
45) 1,2-Dichloropropane	8.93	63	108208	19.864	ug/l	98
46) Dibromomethane	9.06	93	81016	18.289	ug/l	87
47) Bromodichloromethane	9.37	83	222331	20.519	ug/l	96
48) Methyl methacrylate	9.12	41	79605	22.032	ug/l	94
49) 1,4-Dioxane	9.09	88	12278	314.948	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	383429	101.688	ug/l	96
52) Toluene	10.50	92	287482	20.063	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	187910	20.065	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	198676	19.447	ug/l #	88
55) 1,1,2-Trichloroethane	11.18	97	103720	20.458	ug/l	98
56) Ethyl methacrylate	11.04	69	103400	19.626	ug/l #	90
57) 1,3-Dichloropropane	11.40	76	151827	19.822	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	287306	99.834	ug/l	94
59) 2-Hexanone	11.53	43	283593	102.044	ug/l	92
60) Dibromochloromethane	11.69	129	168330	19.211	ug/l	99
61) 1,2-Dibromoethane	11.80	107	113826	18.466	ug/l	97
64) Tetrachloroethene	11.25	164	149249	19.629	ug/l	96
65) Chlorobenzene	12.39	112	338818	18.708	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	155901	19.779	ug/l	94
67) Ethyl Benzene	12.52	91	604925	19.951	ug/l	97
68) m/p-Xylenes	12.67	106	446441	40.471	ug/l	91
69) o-Xylene	13.04	106	206498	20.135	ug/l	86
70) Styrene	13.07	104	357134	20.557	ug/l	99
71) Bromoform	13.23	173	109410	19.951	ug/l #	99
73) Isopropylbenzene	13.40	105	614166	20.355	ug/l	96
74) N-amyl acetate	13.26	43	150062	18.970	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	115594	20.237	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	121940	20.385	ug/l	98
77) Bromobenzene	13.66	156	179485	21.250	ug/l	88
78) n-propylbenzene	13.77	91	789188	21.927	ug/l	98
79) 2-Chlorotoluene	13.84	91	415632	20.163	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	530669	20.886	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.47	75	29764	17.625	ug/l #	78
82) 4-Chlorotoluene	13.95	91	519926	21.434	ug/l	93
83) tert-Butylbenzene	14.18	119	626016	21.921	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	550513	21.592	ug/l	93
85) sec-Butylbenzene	14.36	105	668843	21.361	ug/l	97
86) p-Isopropyltoluene	14.49	119	579736	20.724	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	334202	21.660	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	318323	20.997	ug/l	96
89) n-Butylbenzene	14.80	91	560292	22.314	ug/l	94
90) Hexachloroethane	15.00	117	154416	20.298	ug/l	99
91) 1,2-Dichlorobenzene	14.80	146	279240	21.975	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	17256	18.404	ug/l	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051119\
Quantitation Report (QT Reviewed)

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QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

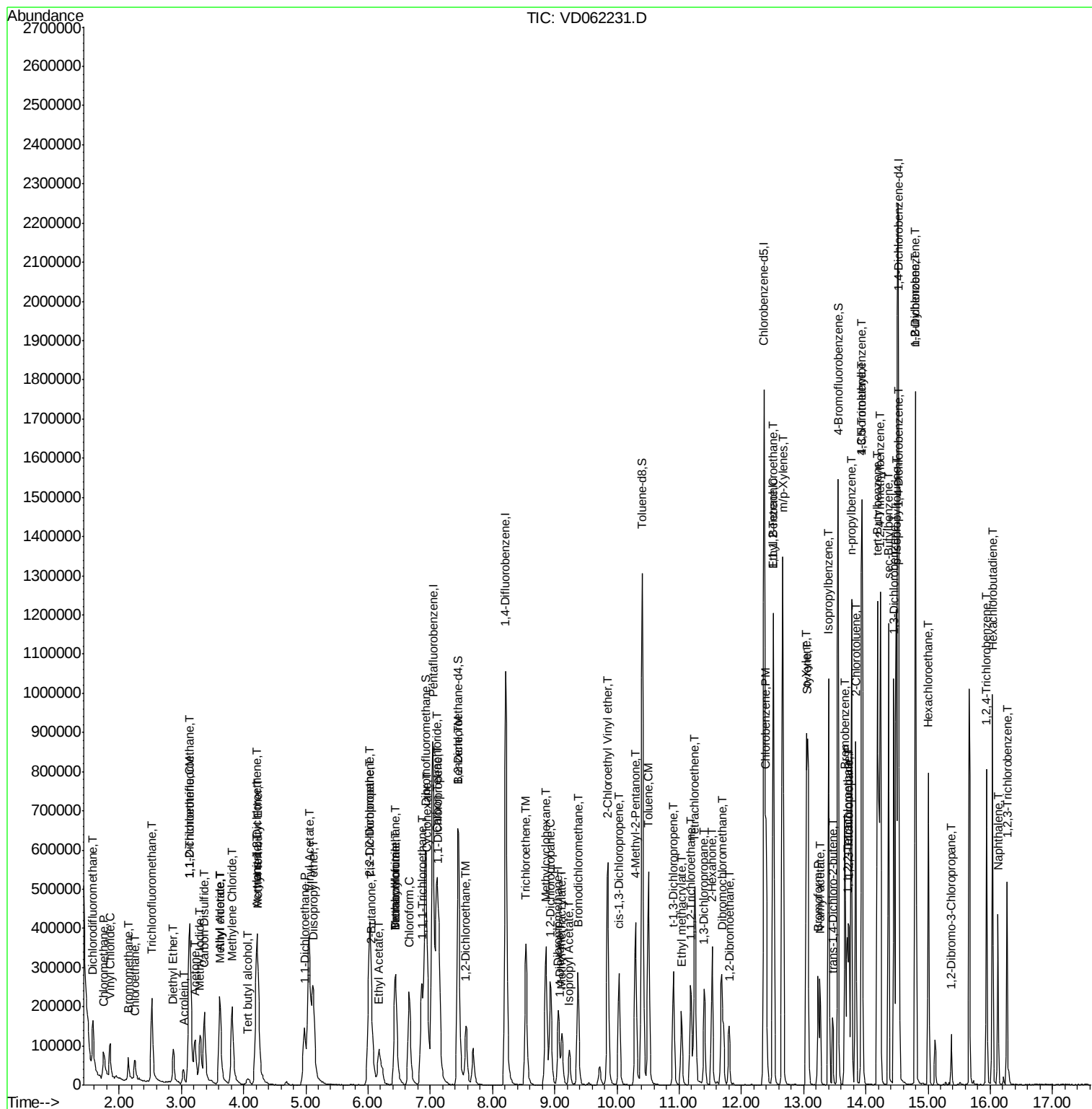
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	223150	24.127	ug/l	94
94) Hexachlorobutadiene	16.04	225	155664	22.629	ug/l	96
95) Naphthalene	16.12	128	268829	20.819	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	154161	26.510	ug/l	94

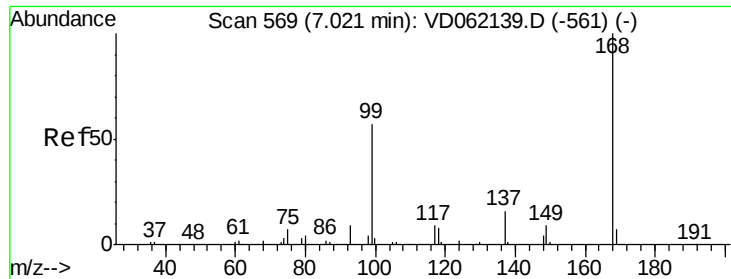
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

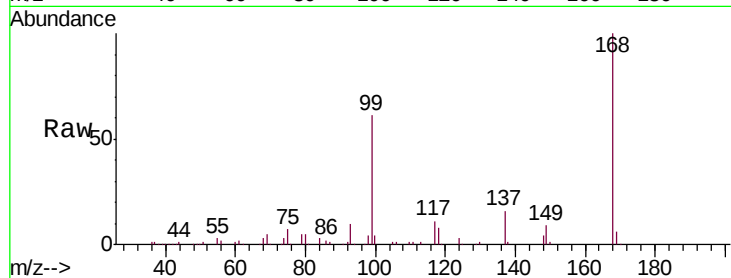
VD0511SBSD01

Tgt Ion:168 Resp: 875206

Ion Ratio Lower Upper

168 100

99 61.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

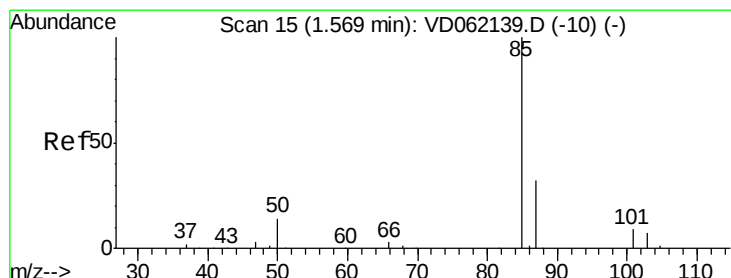
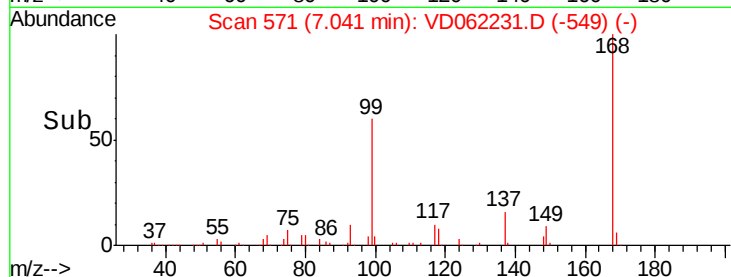
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 17.989 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062231.D

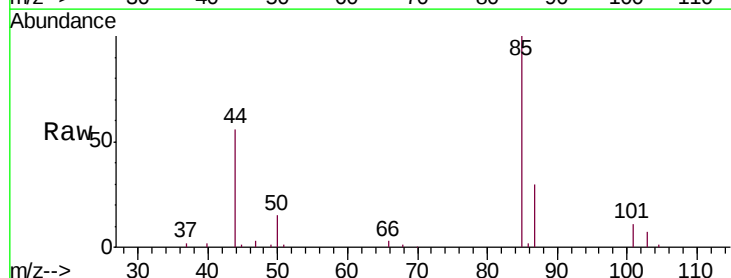
Acq: 11 May 2019 12:23

Tgt Ion: 85 Resp: 150582

Ion Ratio Lower Upper

85 100

87 30.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

80000

60000

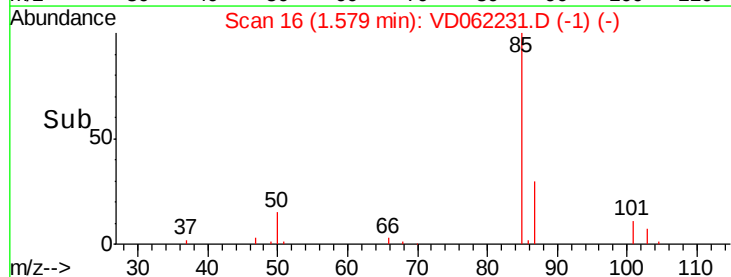
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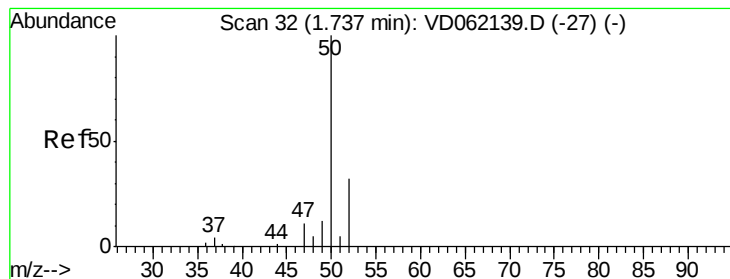
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 17.363 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

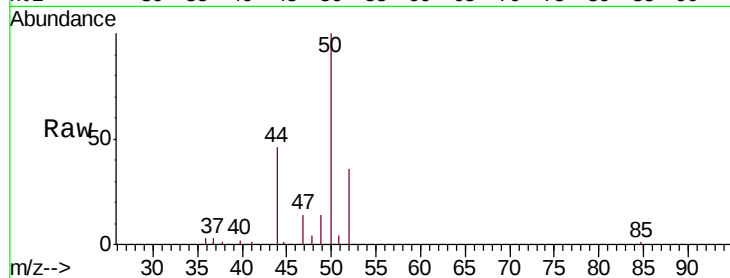
VD0511SBSD01

Tgt Ion: 50 Resp: 105015

Ion Ratio Lower Upper

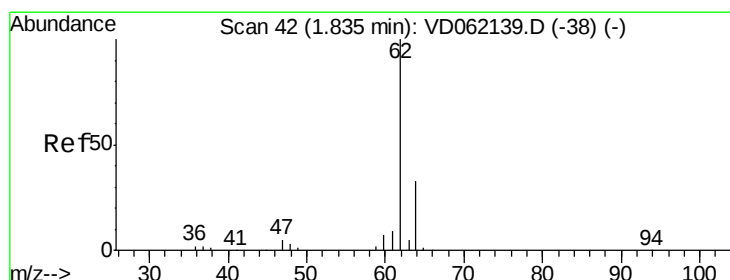
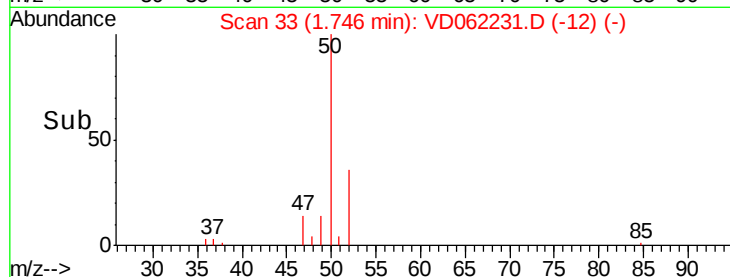
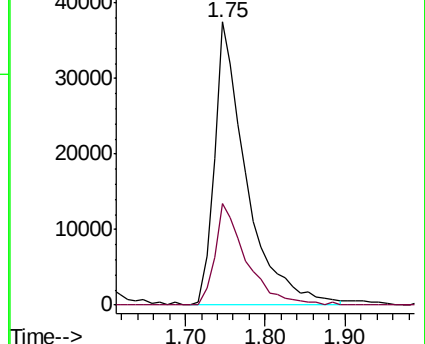
50 100

52 35.9 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: 17.407 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062231.D

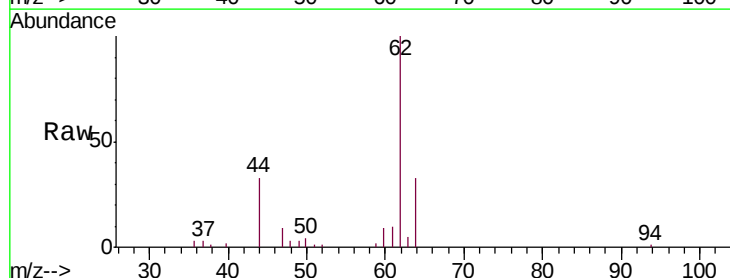
Acq: 11 May 2019 12:23

Tgt Ion: 62 Resp: 103469

Ion Ratio Lower Upper

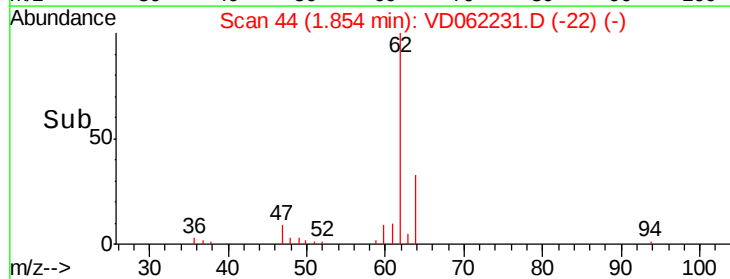
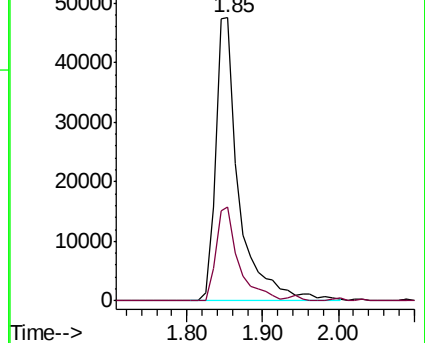
62 100

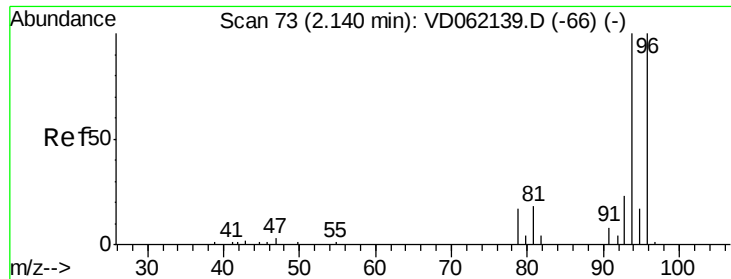
64 33.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

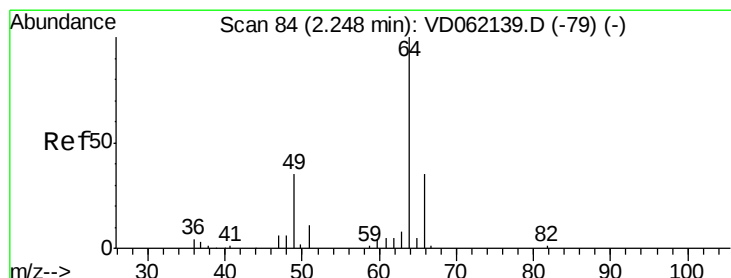
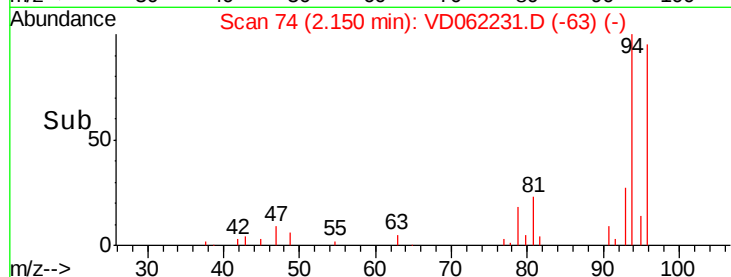
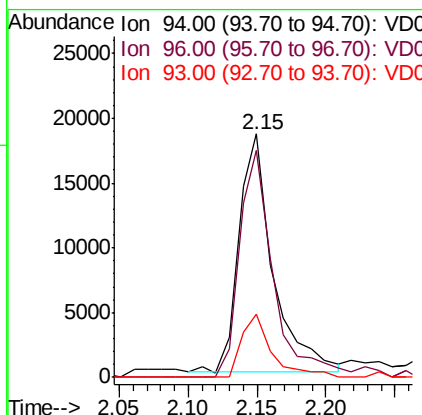
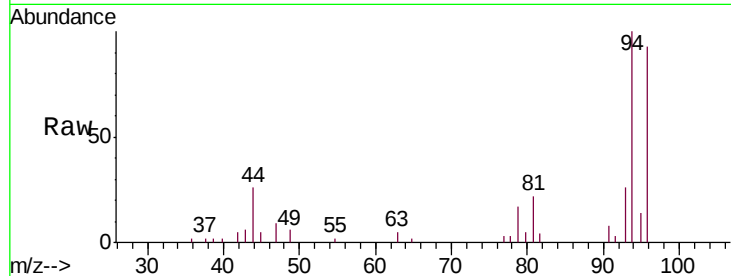




#5
Bromomethane
Concen: 22.660 ug/l
RT: 2.15 min Scan# 74
Delta R.T. 0.01 min
Lab File: VD062231.D
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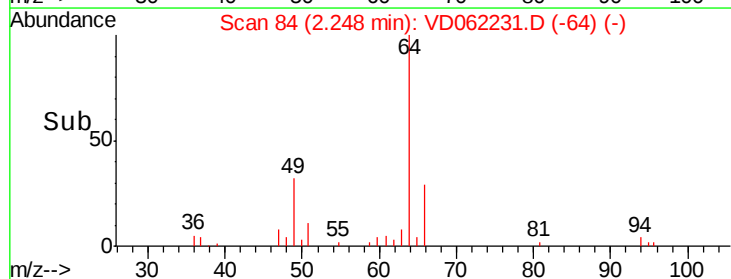
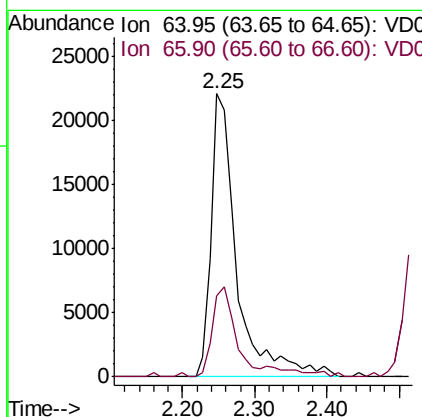
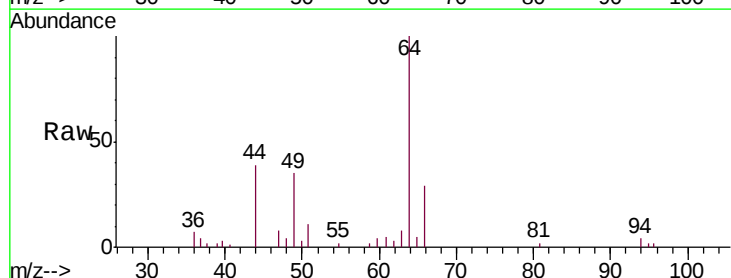
Instrument :
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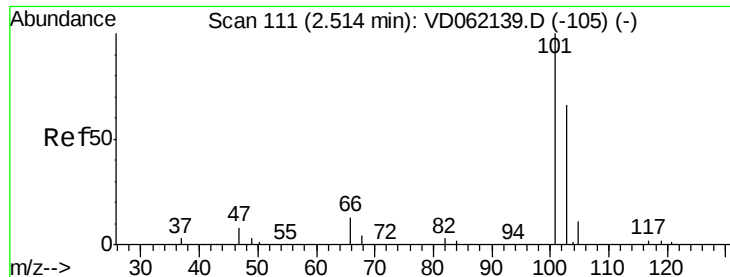
Tgt Ion: 94 Resp: 31562
Ion Ratio Lower Upper
94 100
96 93.1 76.6 115.0
93 26.1 18.5 27.7



#6
Chloroethane
Concen: 21.588 ug/l
RT: 2.25 min Scan# 84
Delta R.T. -0.00 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion: 64 Resp: 53846
Ion Ratio Lower Upper
64 100
66 28.5 25.6 38.4



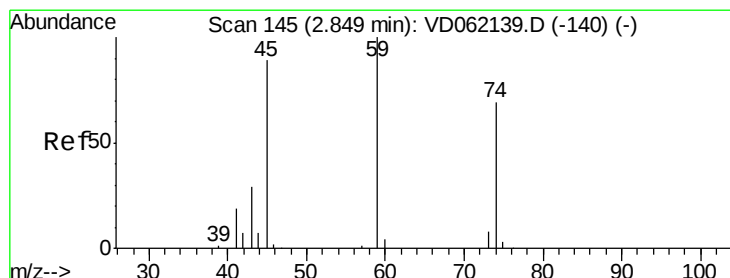
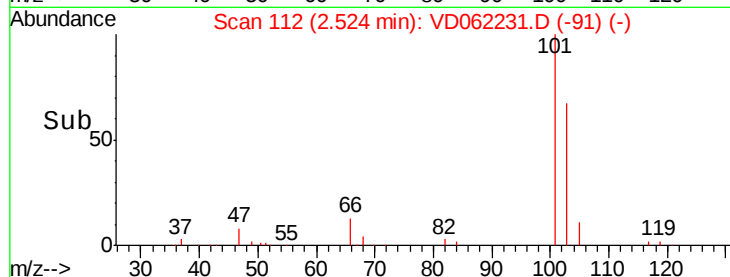
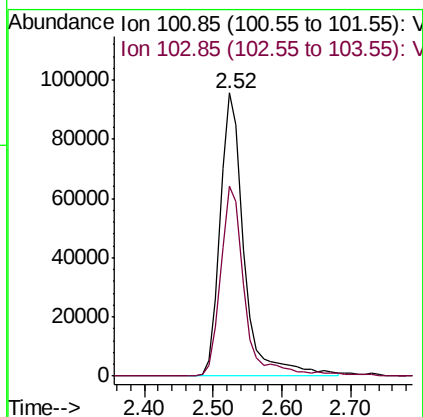
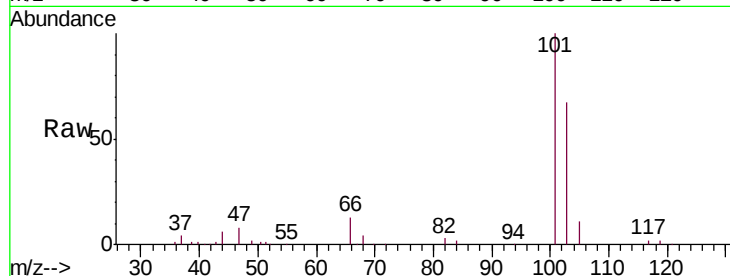


#7

Trichlorofluoromethane
 Concen: 19.953 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Instrument :
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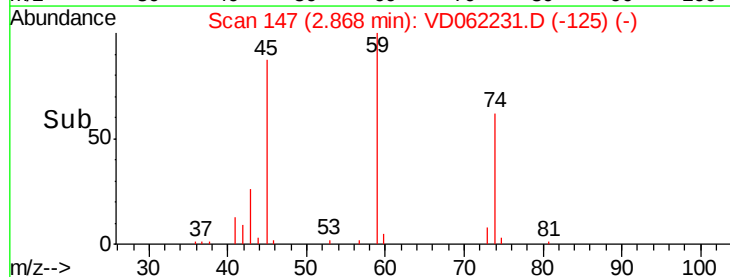
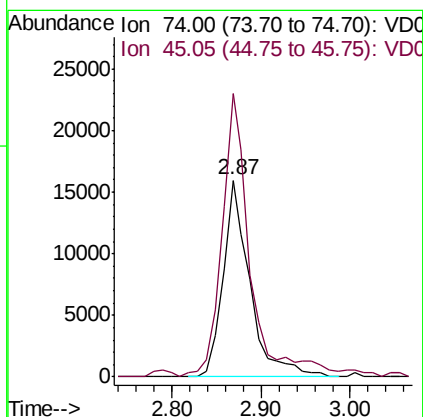
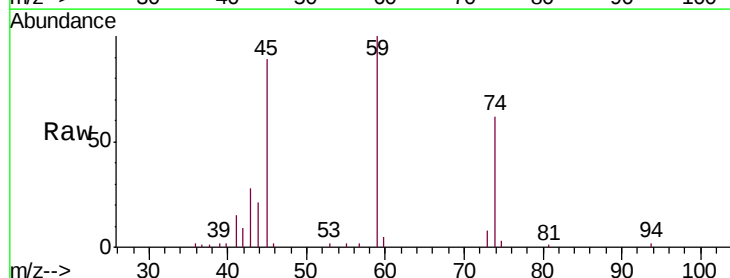
Tgt Ion: 101 Resp: 230585
 Ion Ratio Lower Upper
 101 100
 103 66.9 53.6 80.4

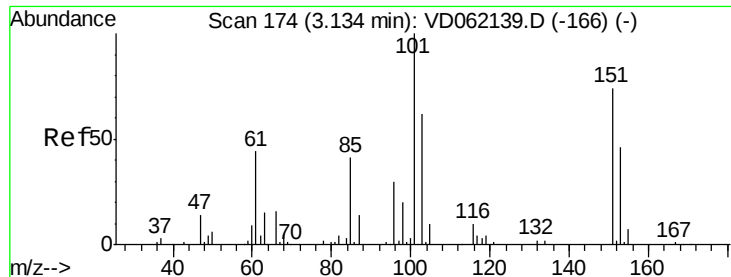


#8

Diethyl Ether
 Concen: 15.107 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.02 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion: 74 Resp: 33670
 Ion Ratio Lower Upper
 74 100
 45 146.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.622 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

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MSVOA_D

ClientSampleId :

VD0511SBS01

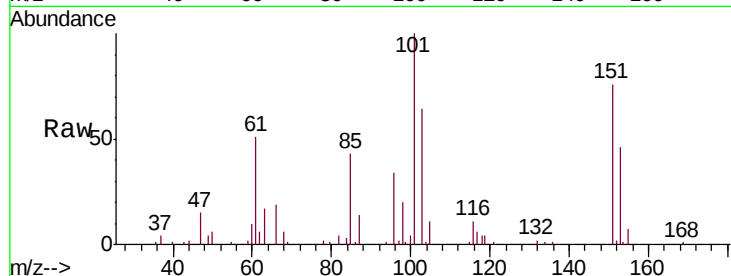
Tgt Ion:101 Resp: 180281

Ion Ratio Lower Upper

101 100

85 42.7 32.4 48.6

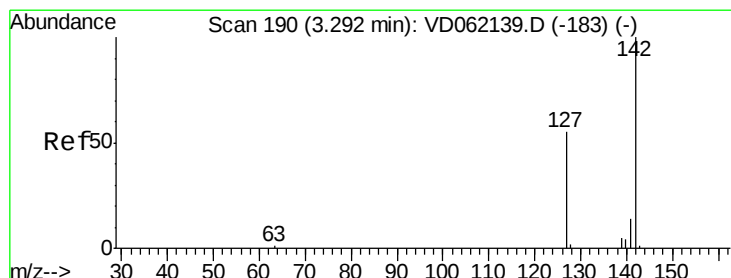
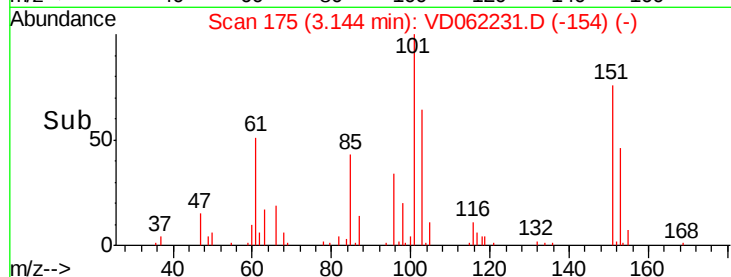
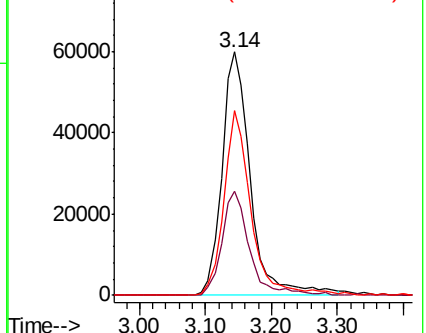
151 75.6 59.4 89.0



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: 15.245 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

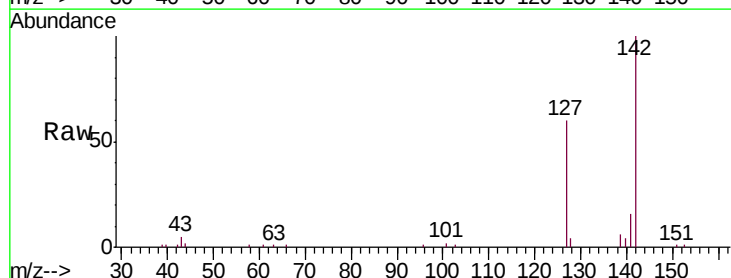
Tgt Ion:142 Resp: 201420

Ion Ratio Lower Upper

142 100

127 59.7 38.8 58.2#

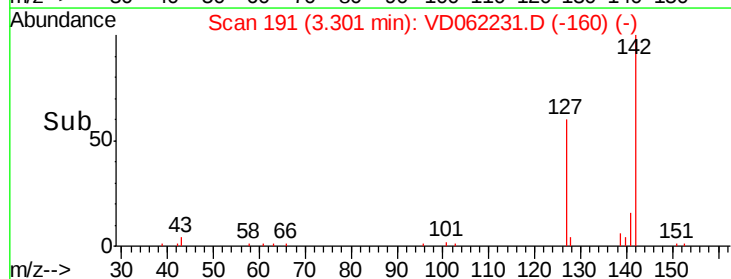
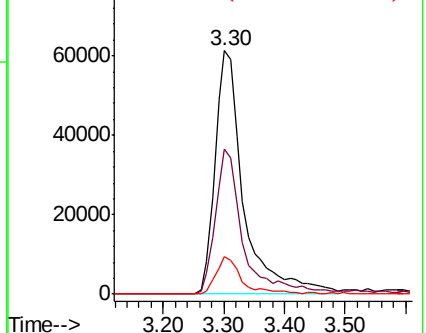
141 15.5 11.4 17.0

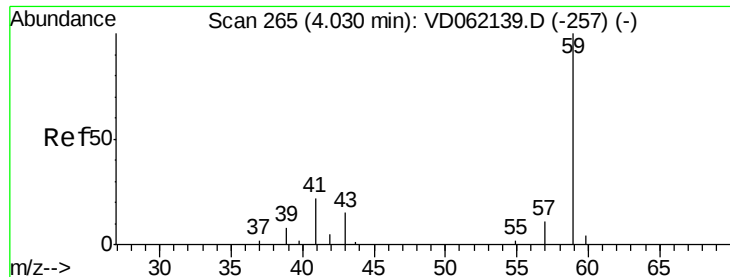


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

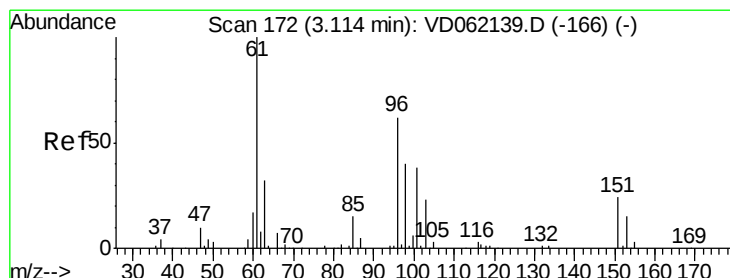
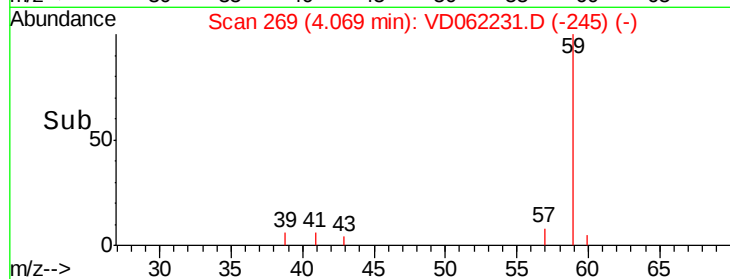
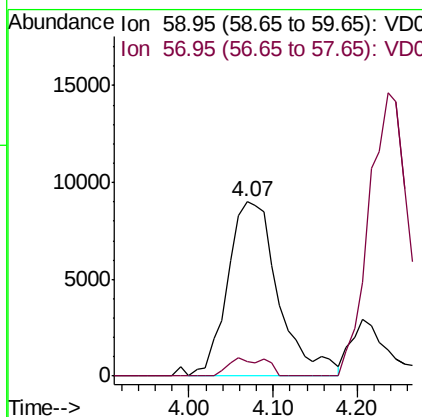
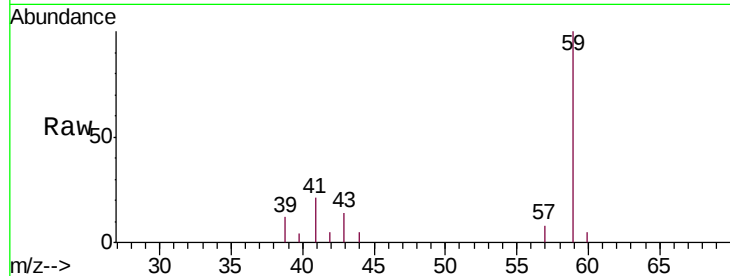




#11
Tert butyl alcohol
Concen: 90.819 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.04 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

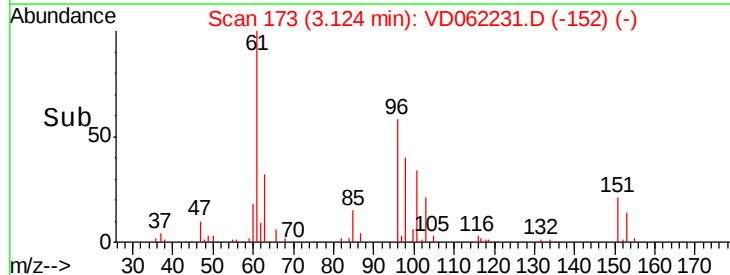
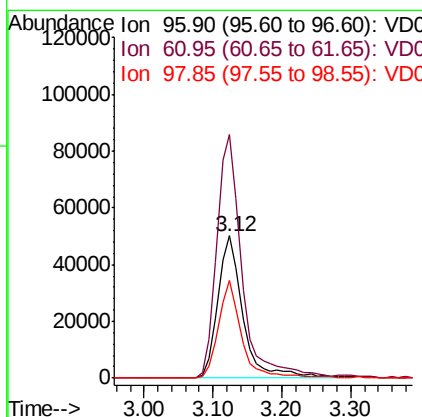
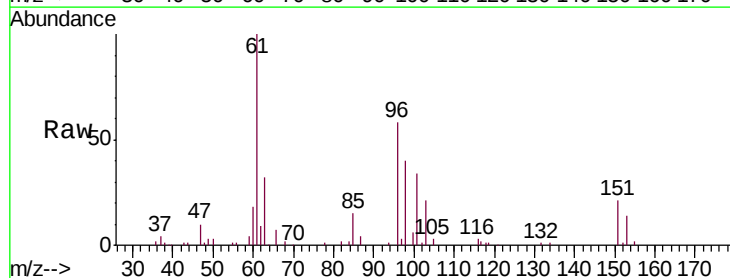
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBSD01

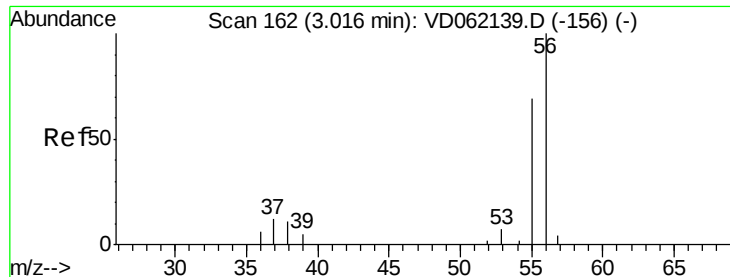
Tgt Ion: 59 Resp: 37705
Ion Ratio Lower Upper
59 100
57 8.1 6.9 10.3



#12
1,1-Dichloroethene
Concen: 19.081 ug/l
RT: 3.12 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion: 96 Resp: 127333
Ion Ratio Lower Upper
96 100
61 171.1 129.8 194.8
98 68.7 51.2 76.8

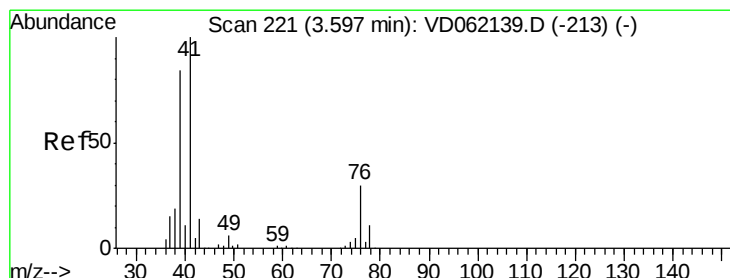
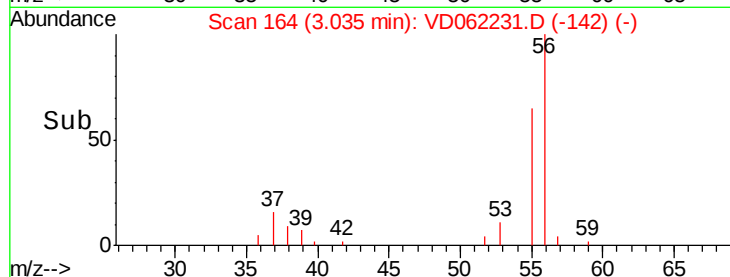
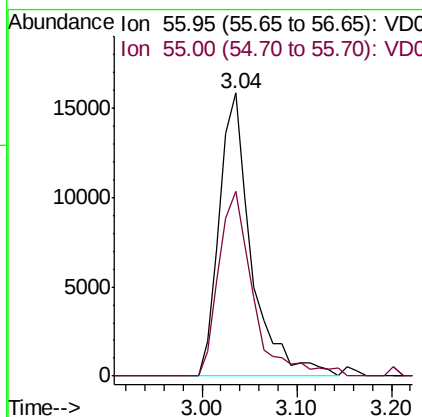
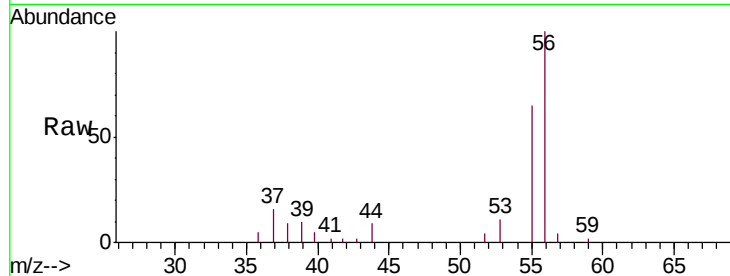




#13
Acrolein
Concen: 87.048 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.02 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

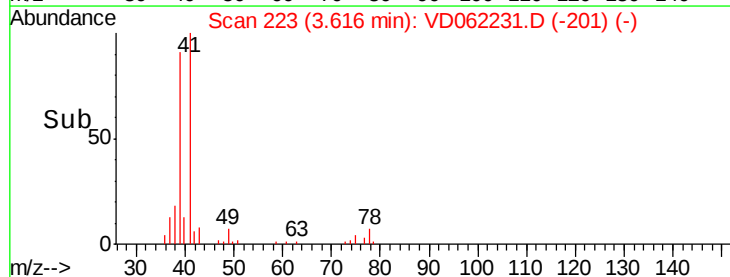
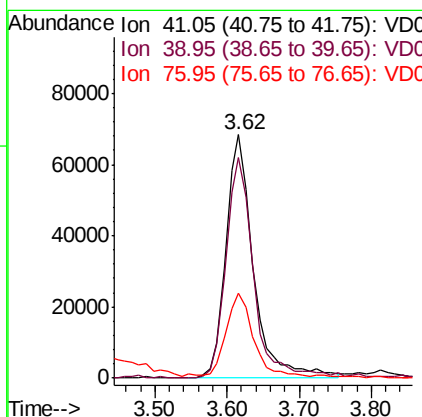
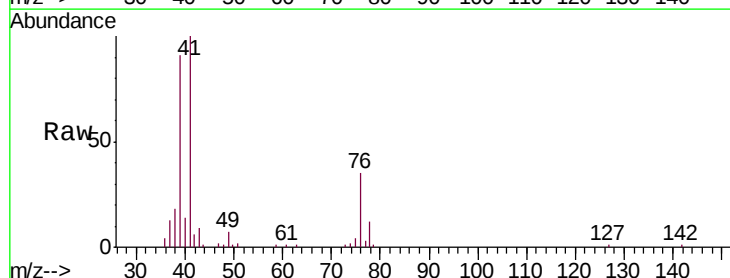
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

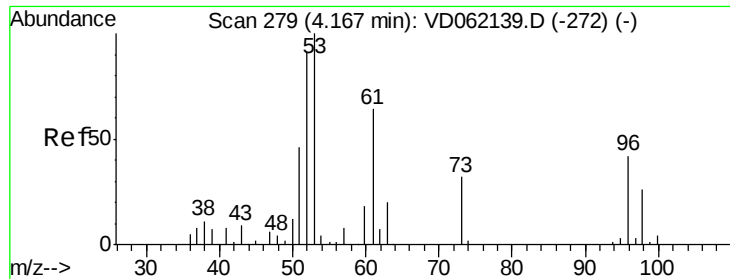
Tgt Ion: 56 Resp: 37379
Ion Ratio Lower Upper
56 100
55 65.3 51.4 77.2



#14
Allyl chloride
Concen: 18.742 ug/l
RT: 3.62 min Scan# 223
Delta R.T. 0.02 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion: 41 Resp: 181853
Ion Ratio Lower Upper
41 100
39 90.6 60.5 90.7
76 34.8 31.8 47.8





#15

Acrylonitrile

Concen: 92.587 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBSD01

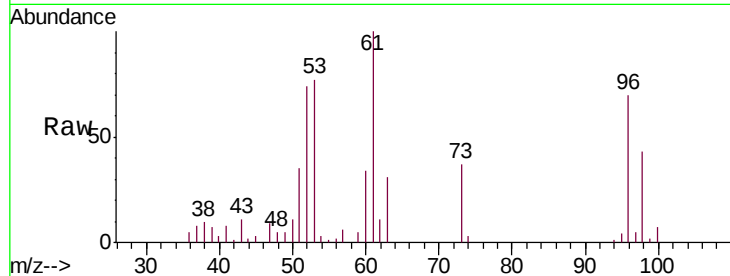
Tgt Ion: 53 Resp: 101035

Ion Ratio Lower Upper

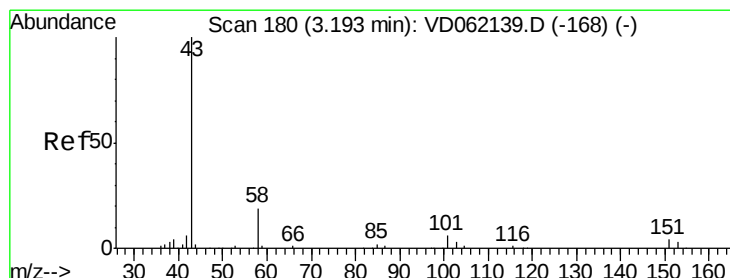
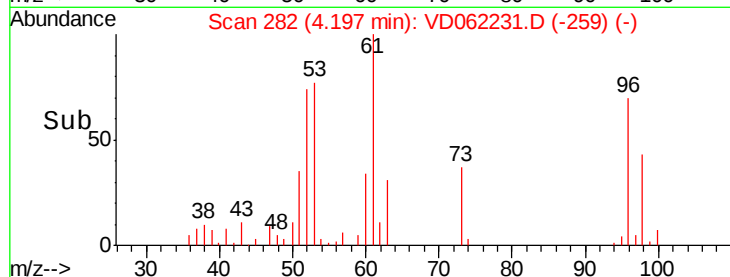
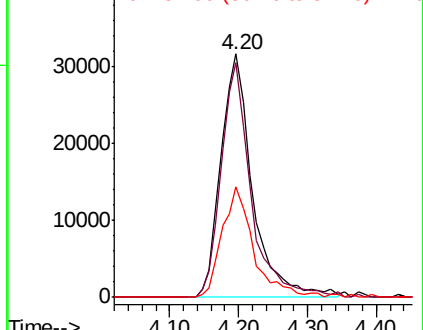
53 100

52 96.5 65.0 97.4

51 45.5 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: 107.732 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062231.D

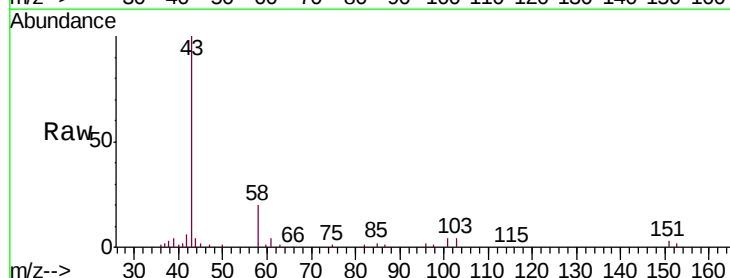
Acq: 11 May 2019 12:23

Tgt Ion: 43 Resp: 183755

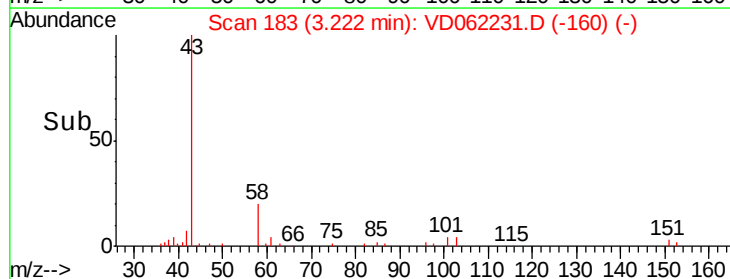
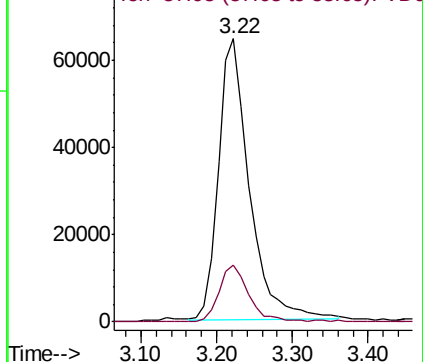
Ion Ratio Lower Upper

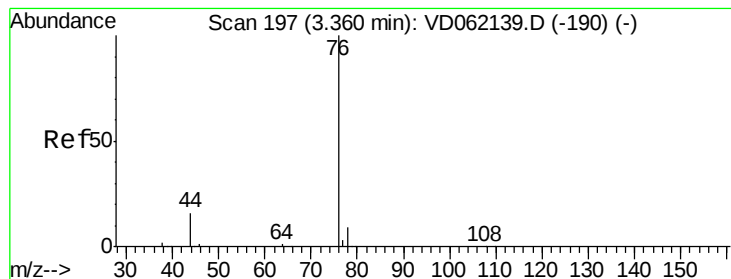
43 100

58 19.9 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: 16.779 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

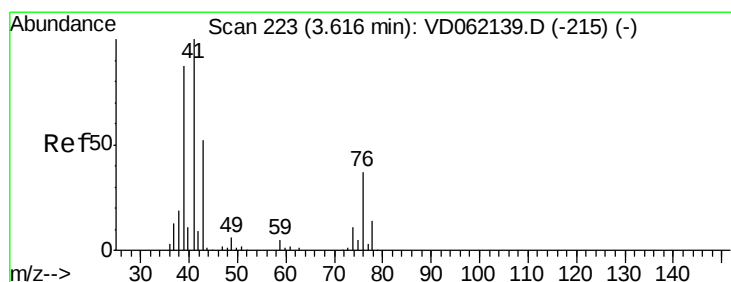
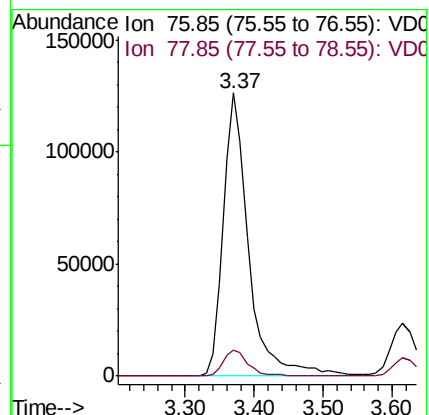
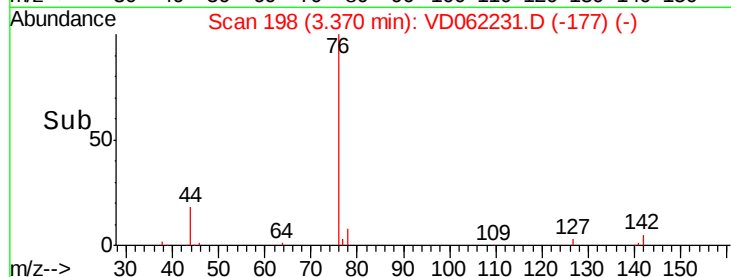
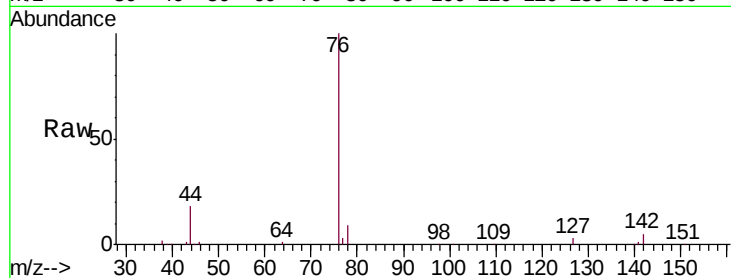
VD0511SBSD01

Tgt Ion: 76 Resp: 322111

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



#18

Methyl Acetate

Concen: 17.615 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD062231.D

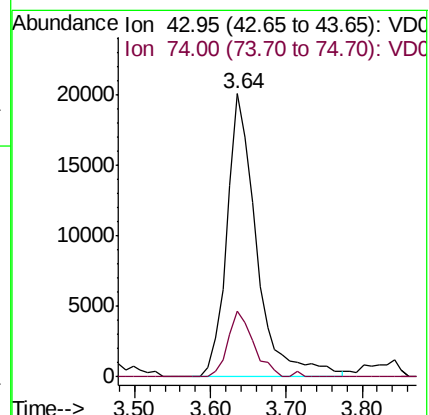
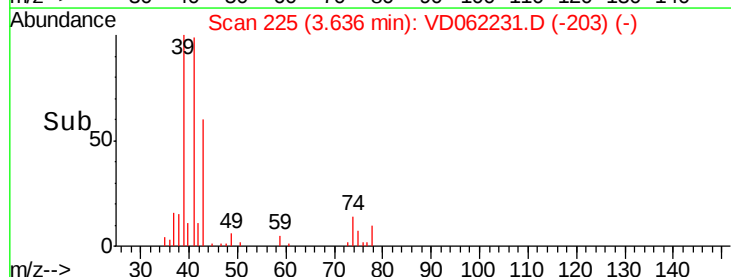
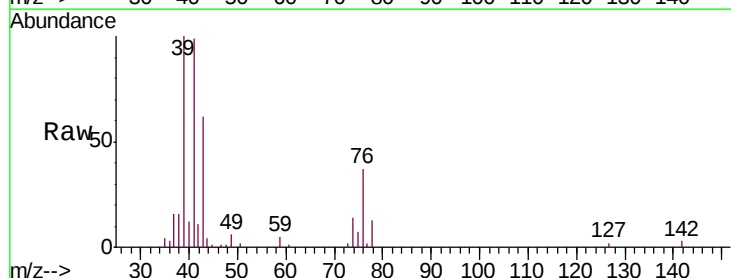
Acq: 11 May 2019 12:23

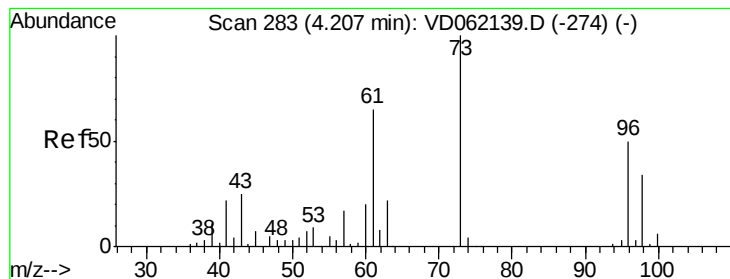
Tgt Ion: 43 Resp: 54335

Ion Ratio Lower Upper

43 100

74 23.2 18.0 27.0



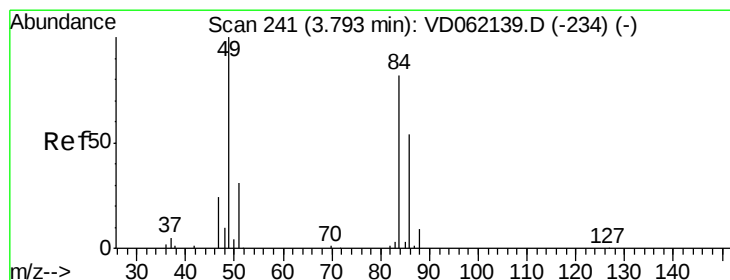
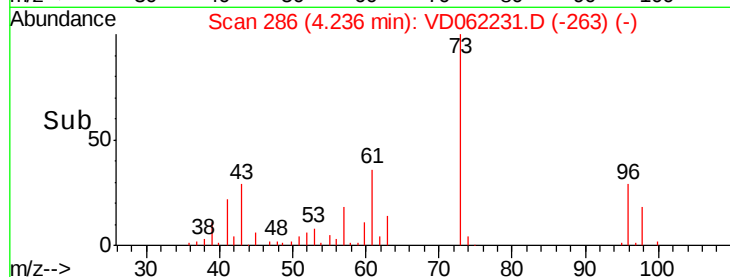
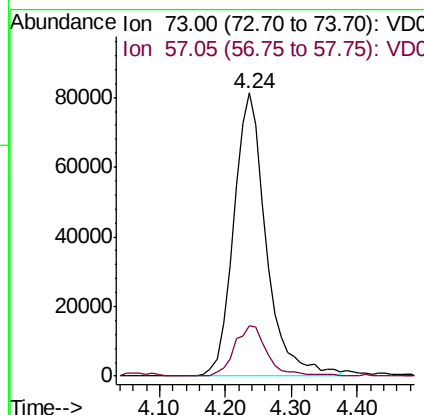
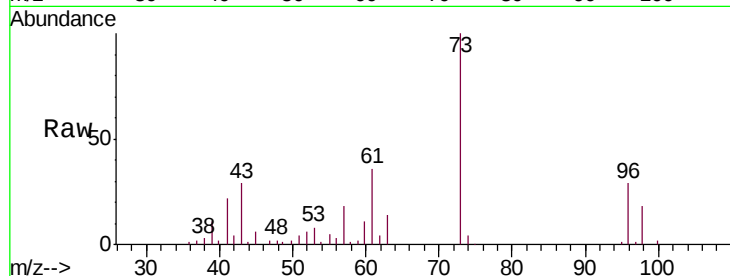


#19

Methyl tert-butyl Ether
 Concen: 19.585 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.03 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

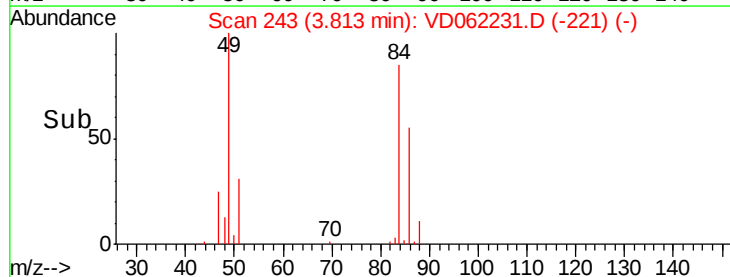
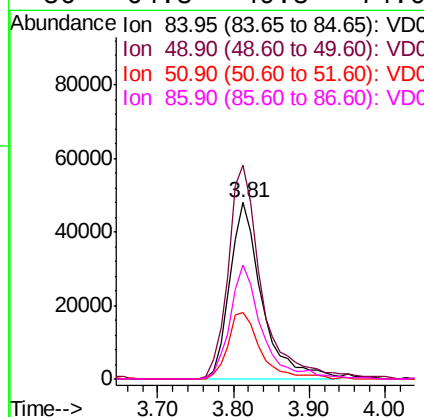
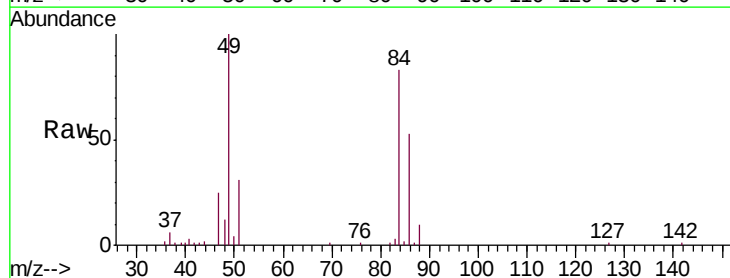
Tgt Ion: 73 Resp: 280136
 Ion Ratio Lower Upper
 73 100
 57 18.0 16.3 24.5

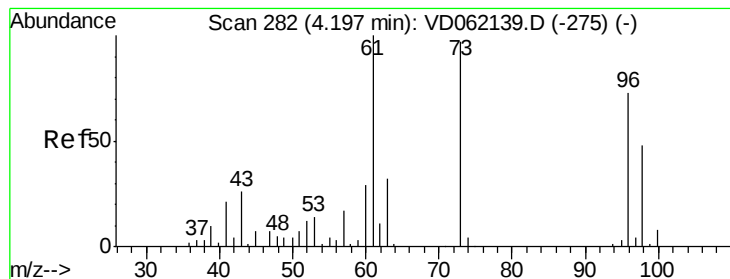


#20

Methylene Chloride
 Concen: 19.816 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. 0.02 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion: 84 Resp: 141123
 Ion Ratio Lower Upper
 84 100
 49 121.0 94.0 141.0
 51 38.0 29.0 43.4
 86 64.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.219 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

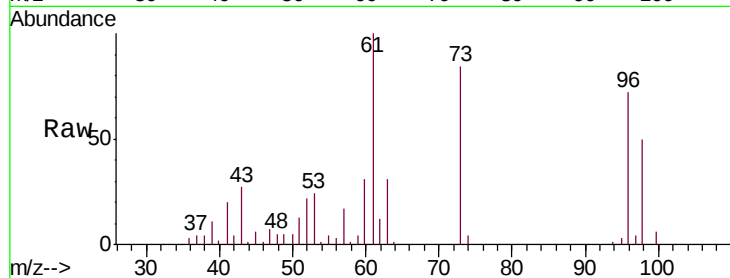
Tgt Ion: 96 Resp: 135294

Ion Ratio Lower Upper

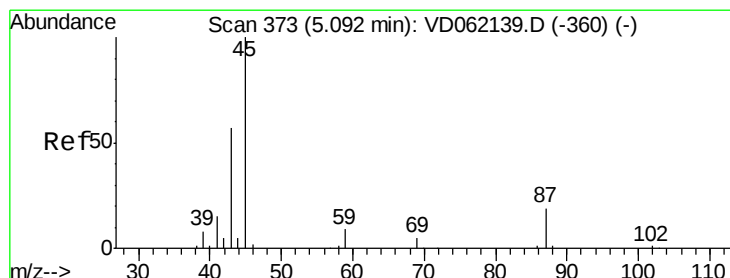
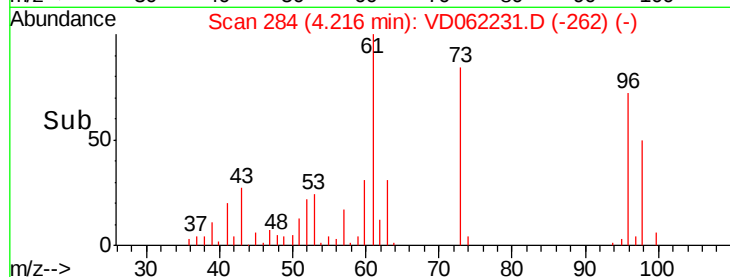
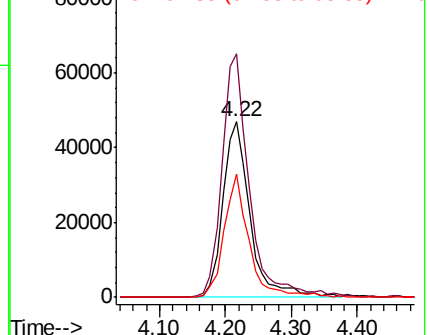
96 100

61 138.7 104.4 156.6

98 70.0 51.8 77.8



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



#22

Diisopropyl ether

Concen: 19.295 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.02 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Tgt Ion: 45 Resp: 398389

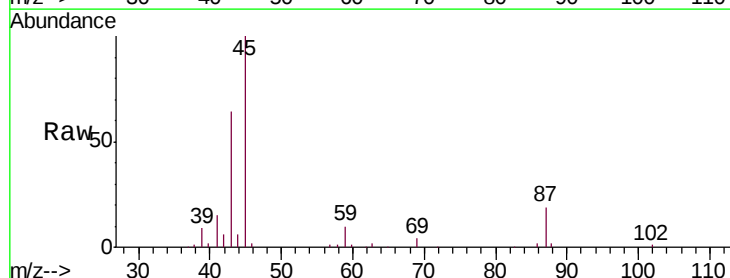
Ion Ratio Lower Upper

45 100

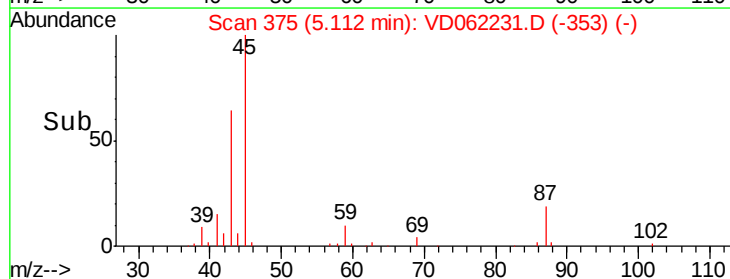
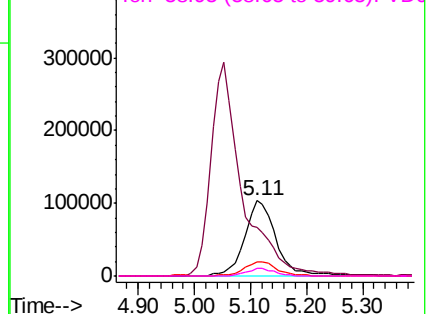
43 64.4 46.2 69.2

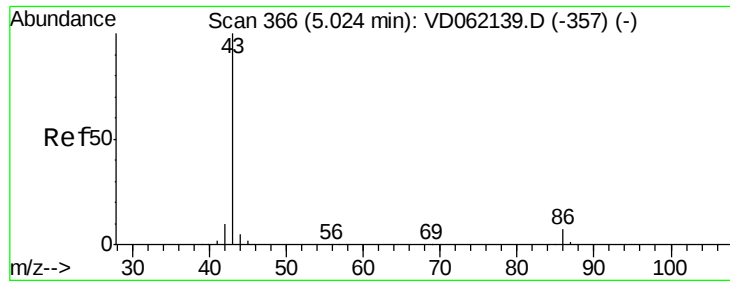
87 18.7 15.9 23.9

59 9.7 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

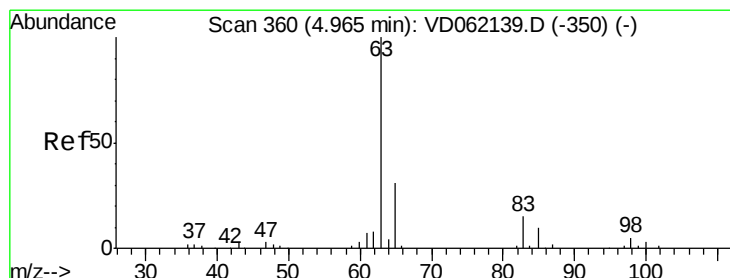
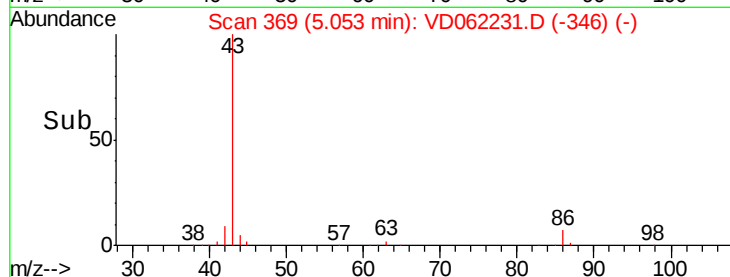
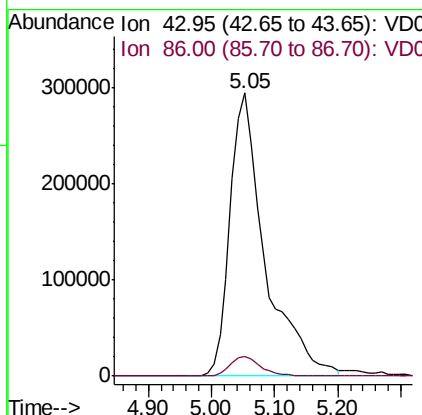
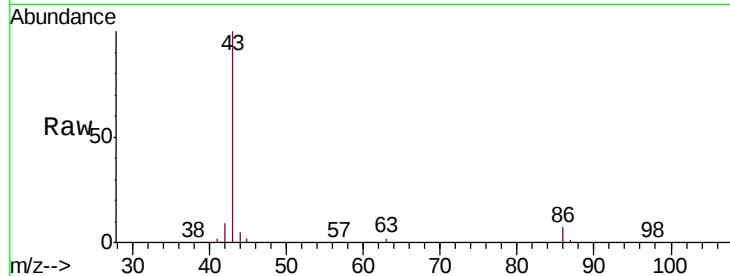




#23
 Vinyl Acetate
 Concen: 103.563 ug/l
 RT: 5.05 min Scan# 369
 Delta R.T. 0.03 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

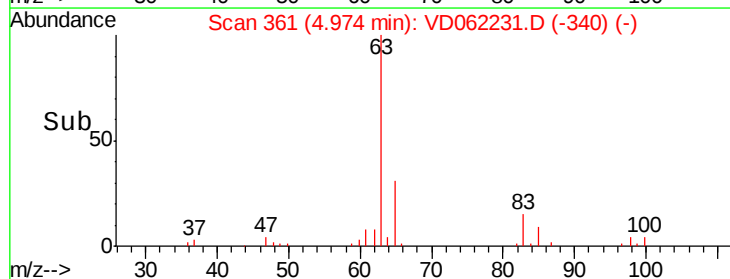
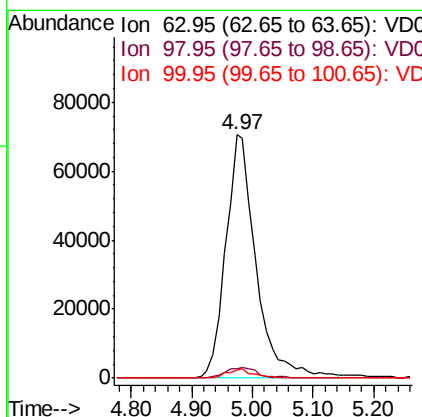
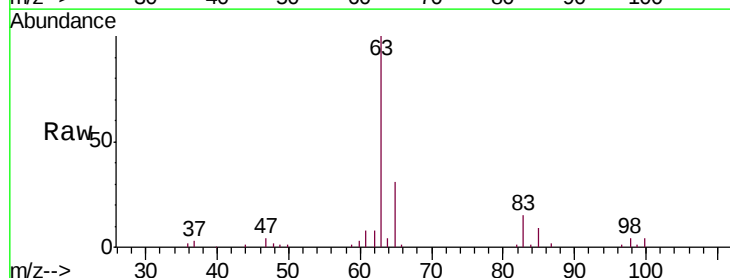
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

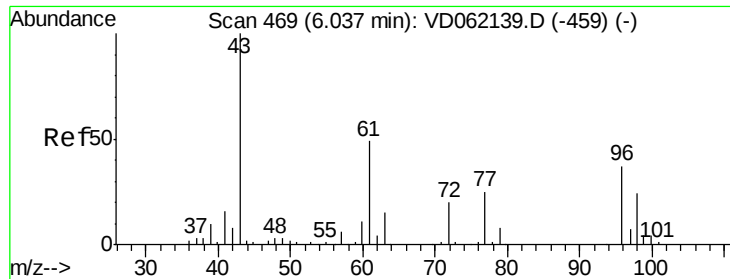
Tgt Ion: 43 Resp: 1128205
 Ion Ratio Lower Upper
 43 100
 86 6.8 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 19.576 ug/l
 RT: 4.97 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion: 63 Resp: 243837
 Ion Ratio Lower Upper
 63 100
 98 3.8 2.8 8.4
 100 3.5 1.8 5.5





#25

2-Butanone

Concen: 96.368 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

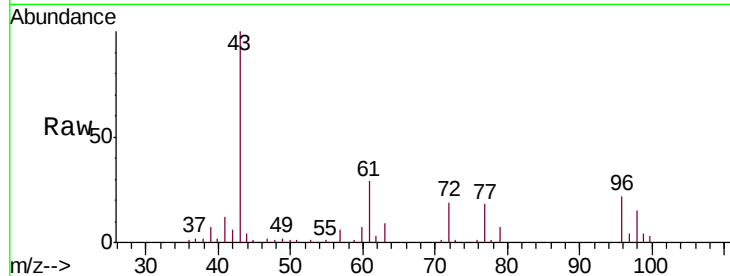
VD0511SBSD01

Tgt Ion: 43 Resp: 179289

Ion Ratio Lower Upper

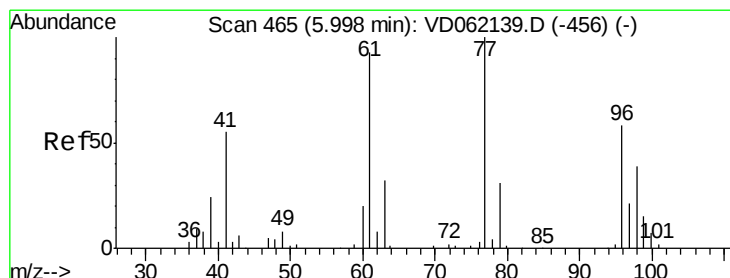
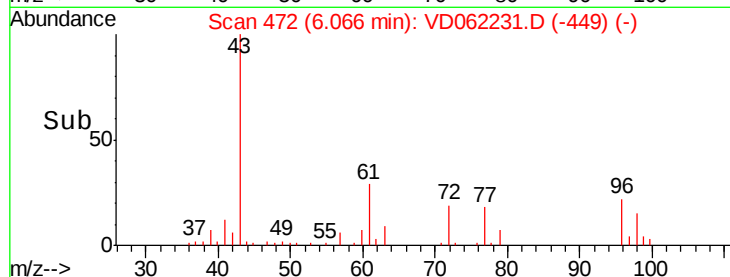
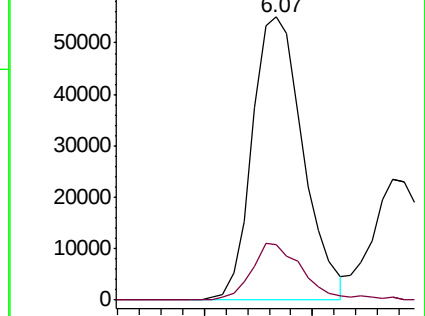
43 100

72 19.4 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: 20.398 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD062231.D

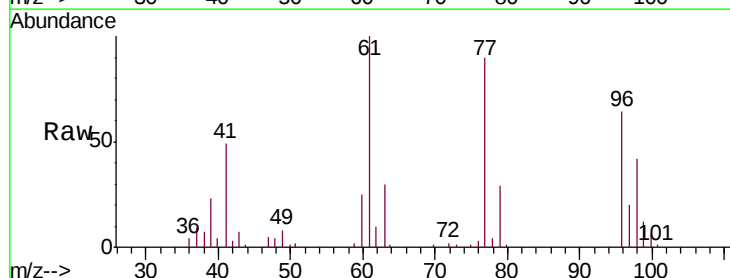
Acq: 11 May 2019 12:23

Tgt Ion: 77 Resp: 253084

Ion Ratio Lower Upper

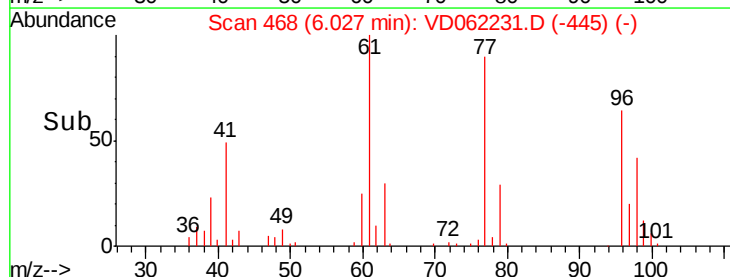
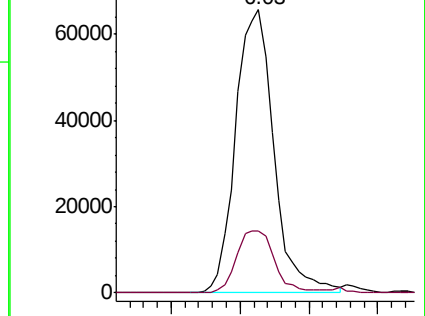
77 100

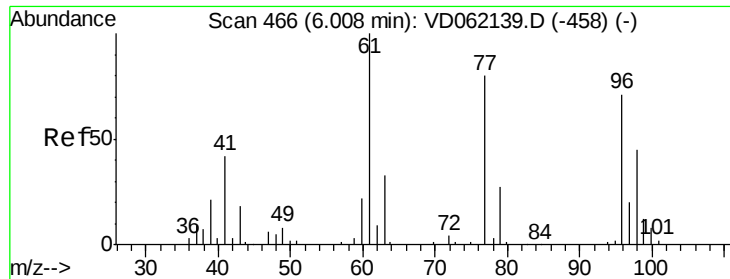
97 21.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



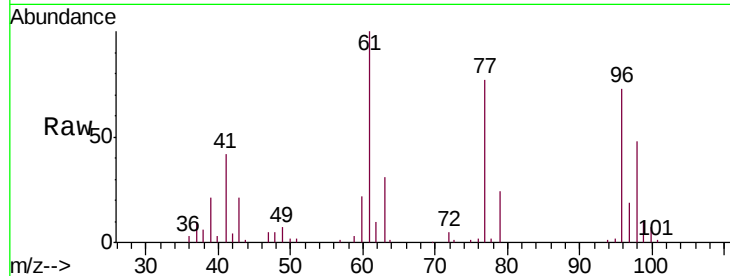


#27

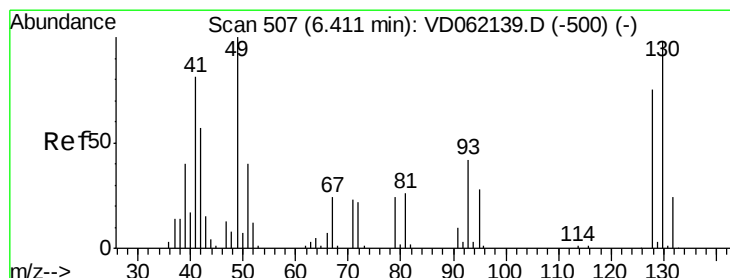
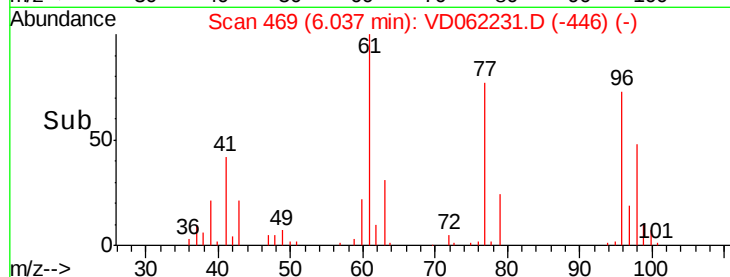
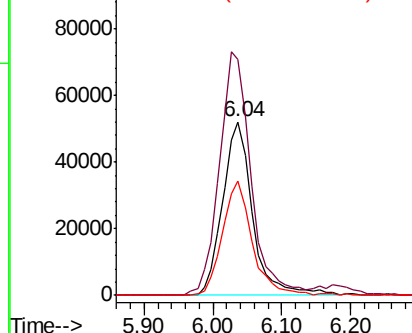
cis-1,2-Dichloroethene
Concen: 18.840 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.03 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBSD01

Tgt Ion: 96 Resp: 156601
Ion Ratio Lower Upper
96 100
61 136.5 0.0 279.8
98 65.7 0.0 136.0



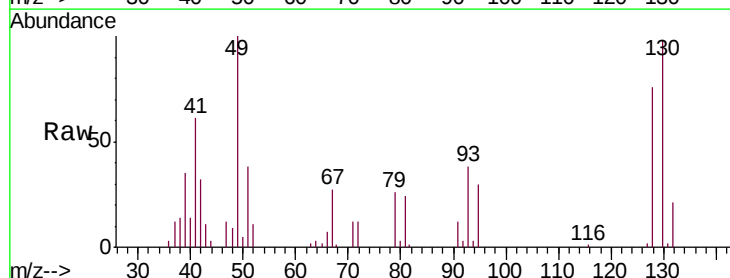
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



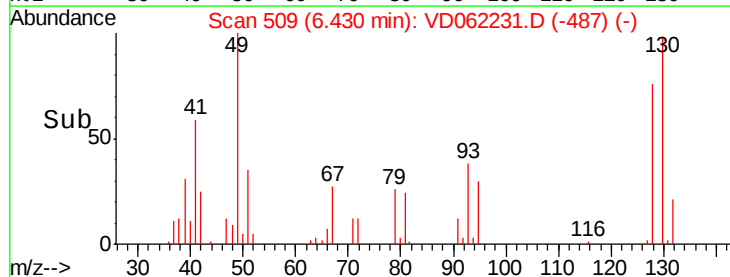
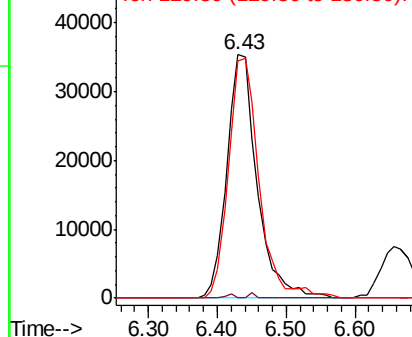
#28

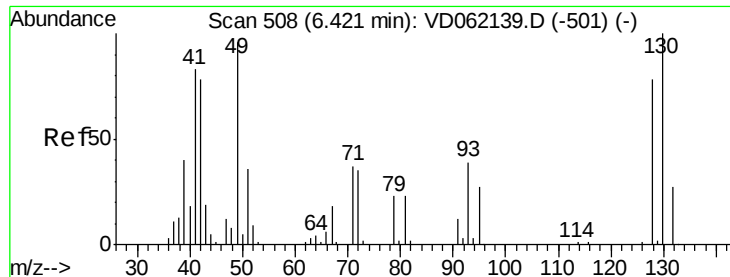
Bromochloromethane
Concen: 21.979 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion: 49 Resp: 107711
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 97.5 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

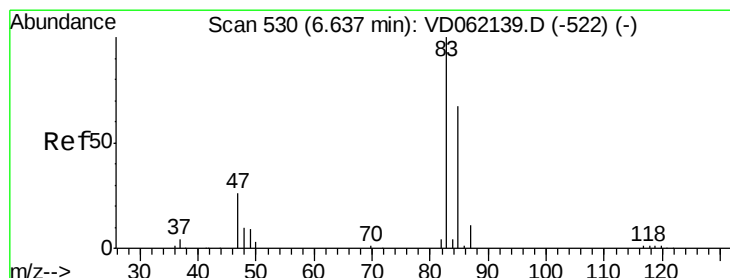
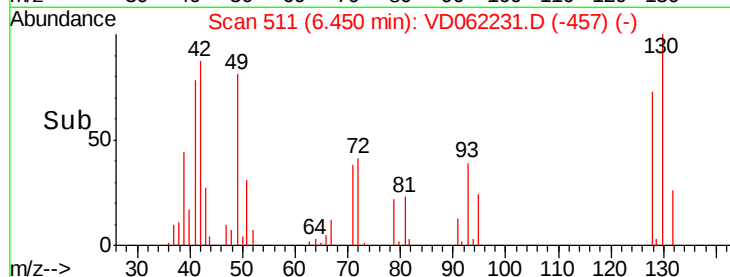
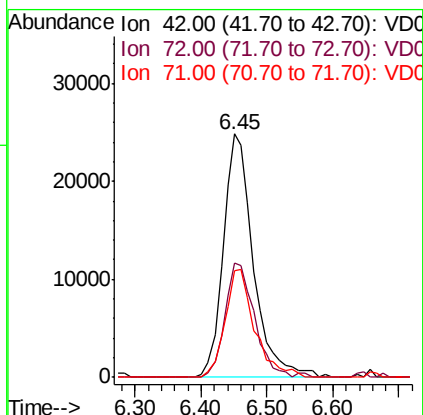
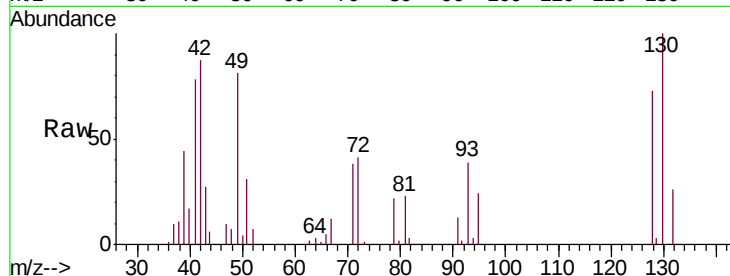




#29
Tetrahydrofuran
Concen: 92.127 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

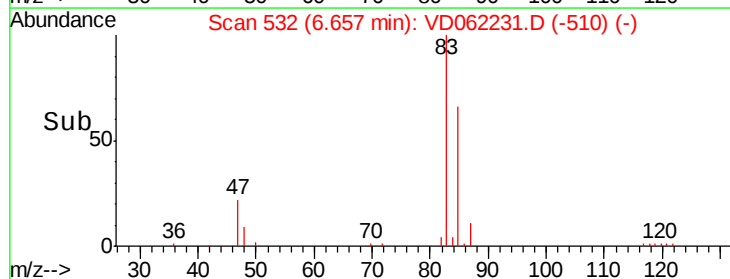
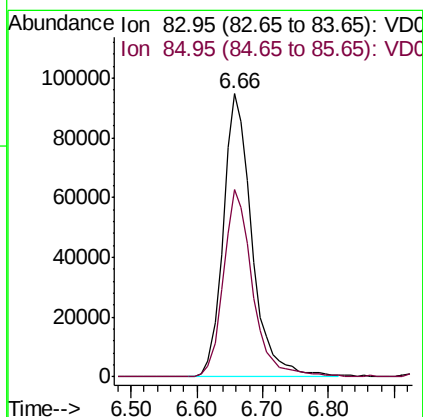
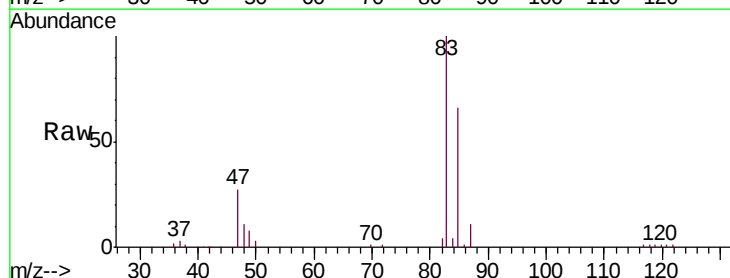
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBSD01

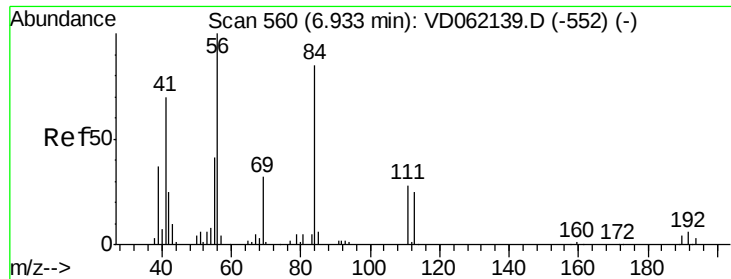
Tgt Ion: 42 Resp: 78974
Ion Ratio Lower Upper
42 100
72 45.9 37.8 56.6
71 44.0 36.7 55.1



#30
Chloroform
Concen: 19.214 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.02 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion: 83 Resp: 288439
Ion Ratio Lower Upper
83 100
85 66.4 51.7 77.5

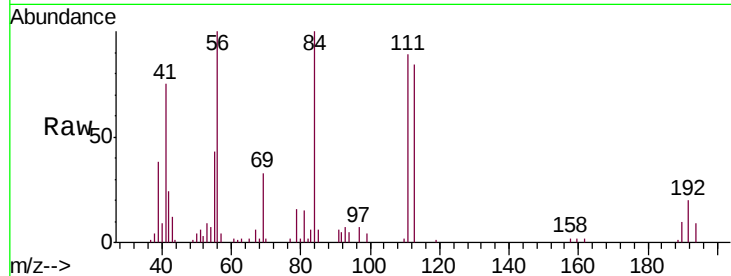




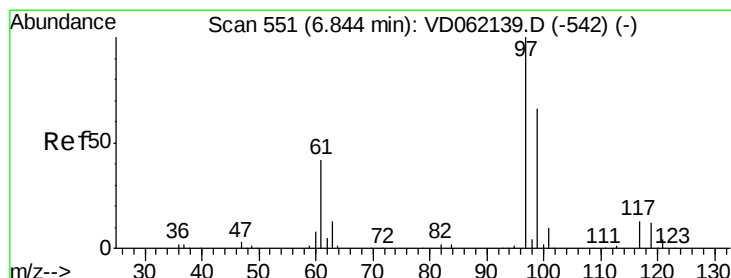
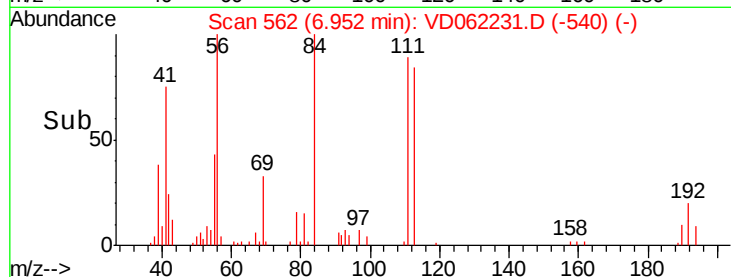
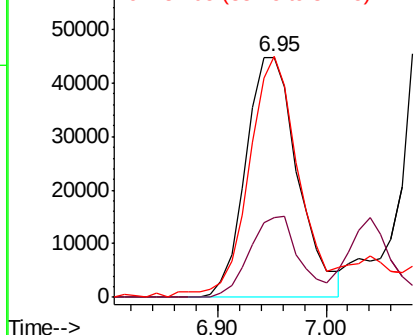
#31
Cyclohexane
Concen: 17.591 ug/l
RT: 6.95 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBSD01

Tgt Ion: 56 Resp: 150118
Ion Ratio Lower Upper
56 100
69 33.4 25.8 38.6
84 100.3 72.2 108.4

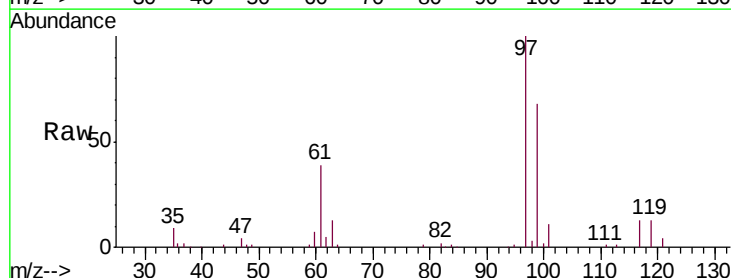


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

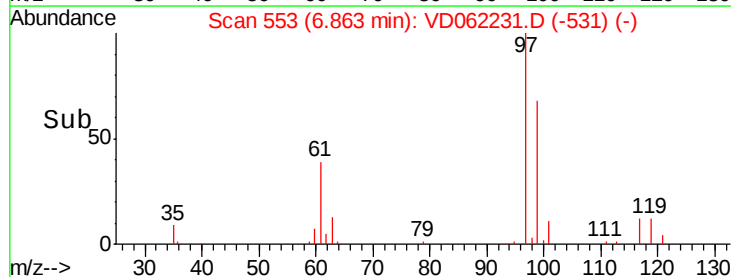
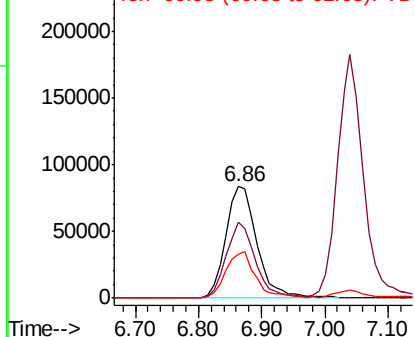


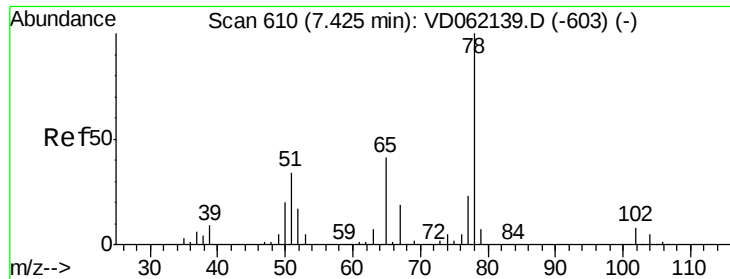
#32
1,1,1-Trichloroethane
Concen: 20.140 ug/l
RT: 6.86 min Scan# 553
Delta R.T. 0.02 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion: 97 Resp: 285768
Ion Ratio Lower Upper
97 100
99 68.2 52.2 78.2
61 39.0 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

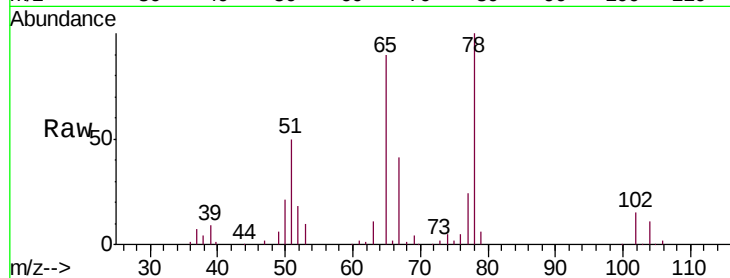




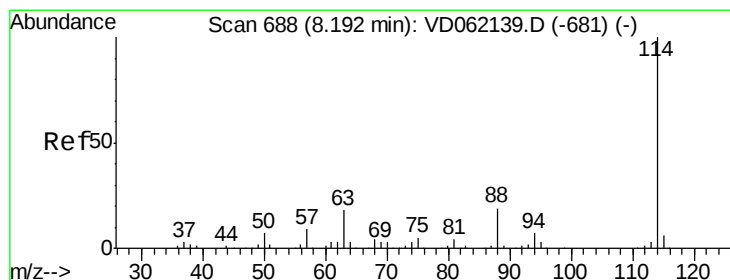
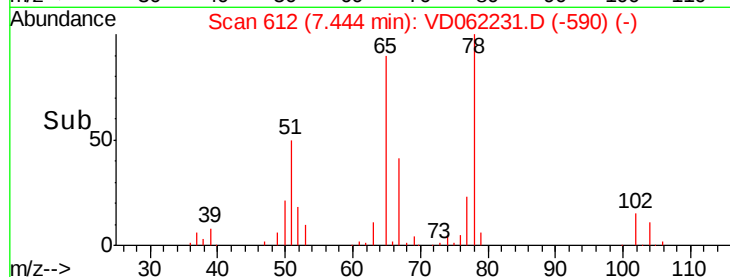
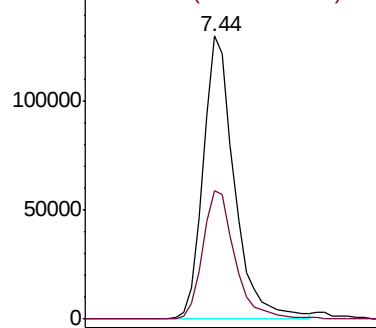
#33
 1,2-Dichloroethane-d4
 Concen: 43.800 ug/l
 RT: 7.44 min Scan# 612
 Delta R.T. 0.02 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

Tgt Ion: 65 Resp: 356245
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 98.0

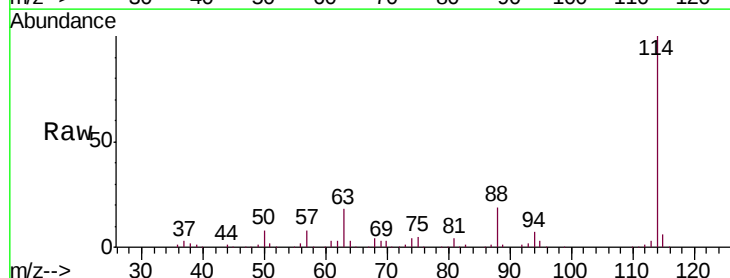


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

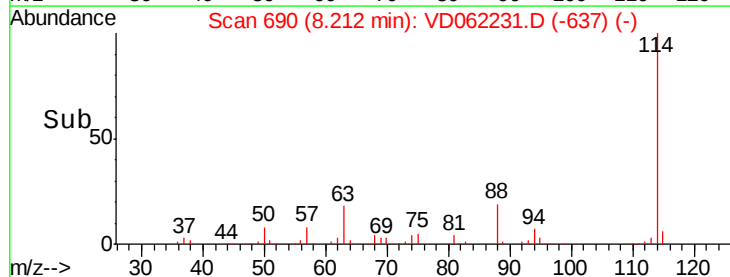
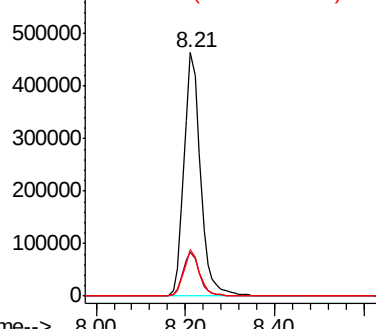


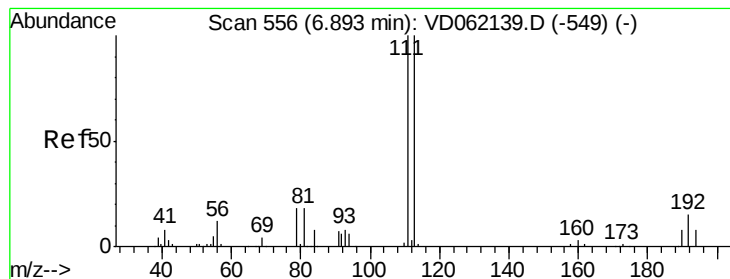
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion: 114 Resp: 1189520
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 32.4
 88 18.9 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 44.805 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBSD01

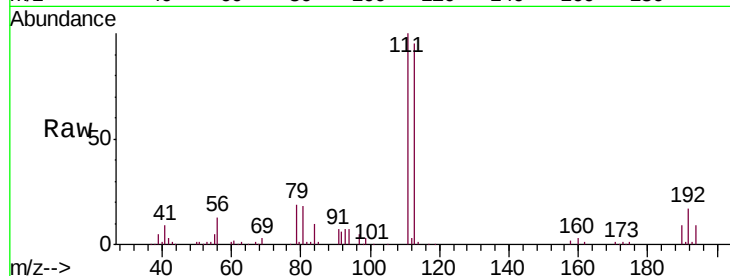
Tgt Ion:113 Resp: 442202

Ion Ratio Lower Upper

113 100

111 105.2 78.5 117.7

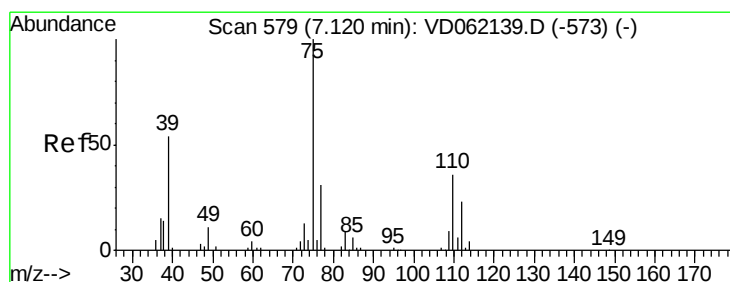
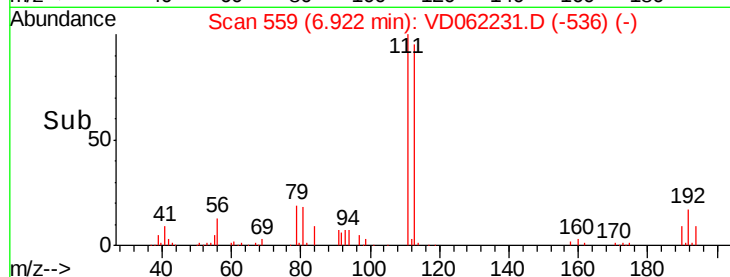
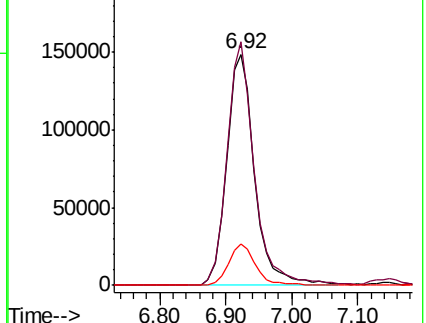
192 17.6 13.0 19.4



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: 20.132 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.02 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

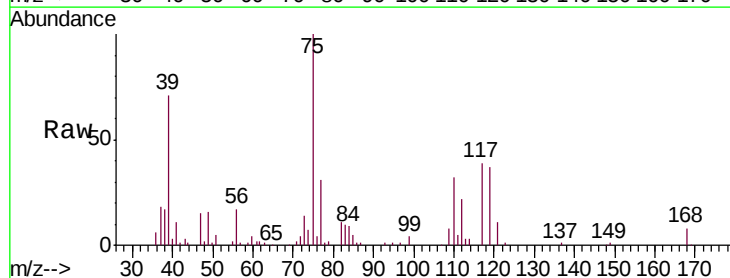
Tgt Ion: 75 Resp: 196343

Ion Ratio Lower Upper

75 100

110 32.2 19.1 57.1

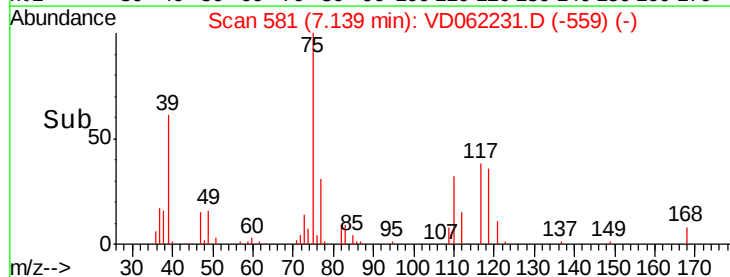
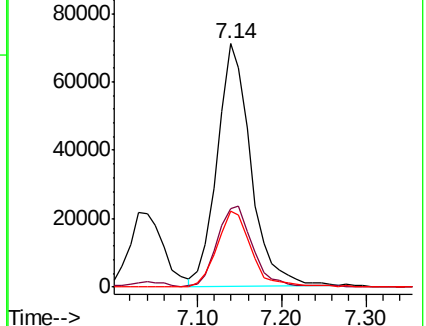
77 31.2 25.6 38.4

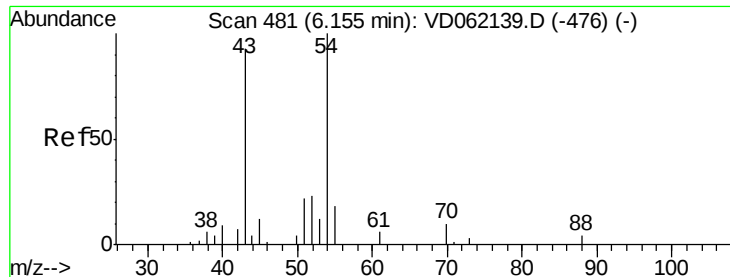


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

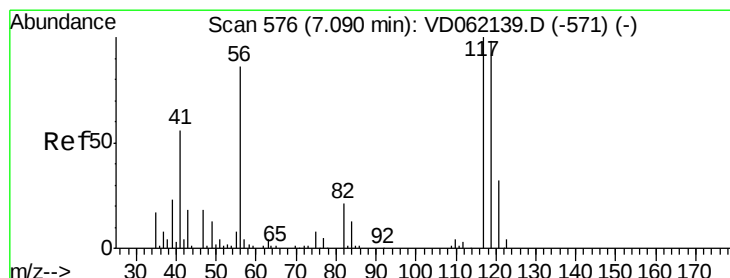
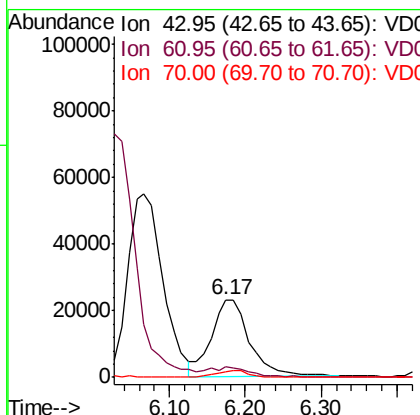
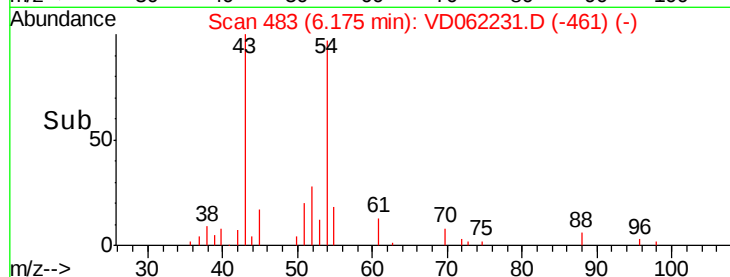
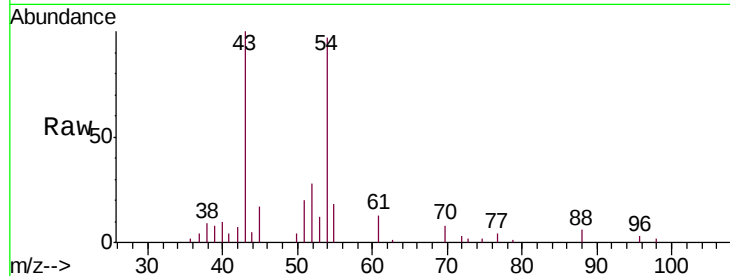




#37
 Ethyl Acetate
 Concen: 19.547 ug/l
 RT: 6.17 min Scan# 483
 Delta R.T. 0.02 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

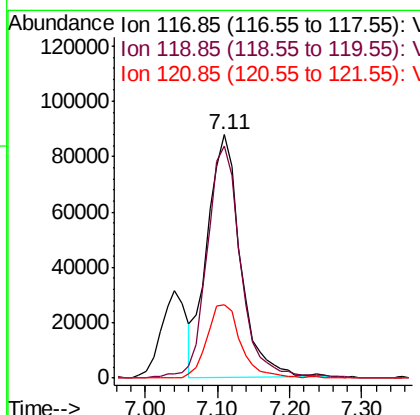
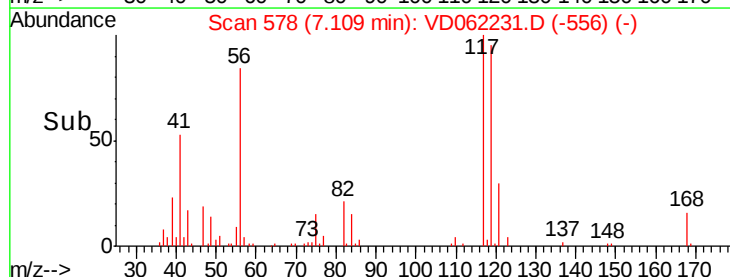
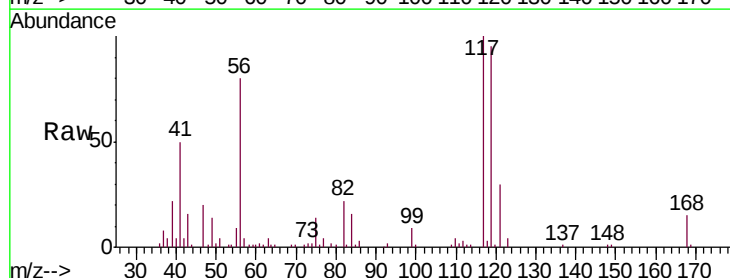
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0511SBSD01

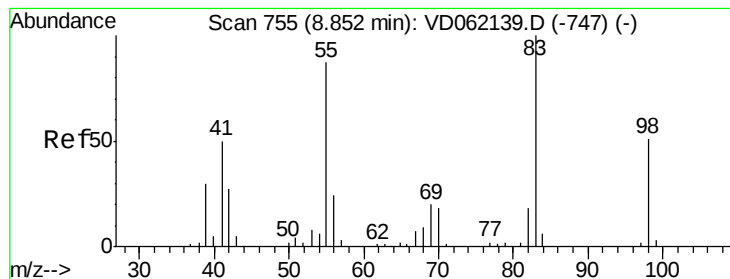
Tgt Ion: 43 Resp: 80850
 Ion Ratio Lower Upper
 43 100
 61 13.2 14.7 22.1#
 70 7.7 7.8 11.6#



#38
 Carbon Tetrachloride
 Concen: 20.760 ug/l
 RT: 7.11 min Scan# 578
 Delta R.T. 0.02 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion: 117 Resp: 280243
 Ion Ratio Lower Upper
 117 100
 119 95.3 75.8 113.8
 121 30.0 25.9 38.9





#39

Methylcyclohexane

Concen: 19.329 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBSD01

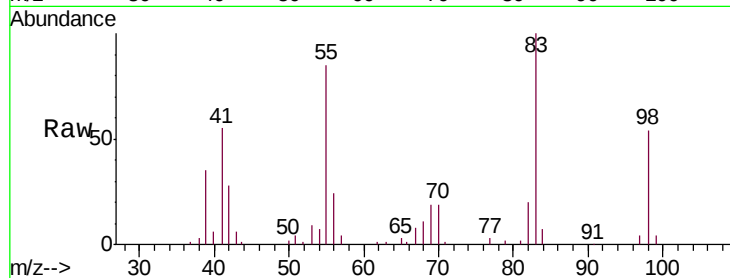
Tgt Ion: 83 Resp: 180619

Ion Ratio Lower Upper

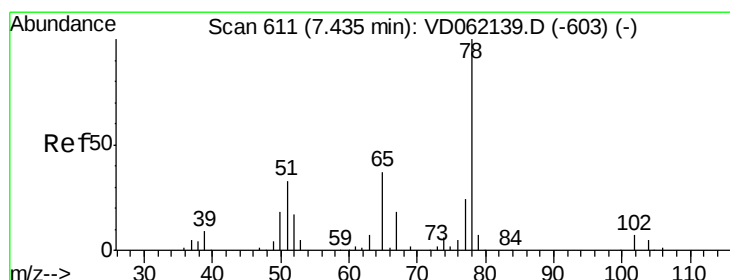
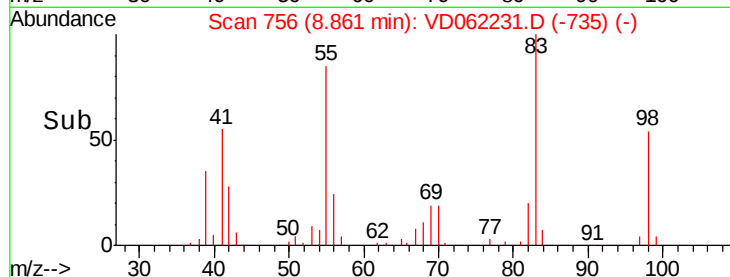
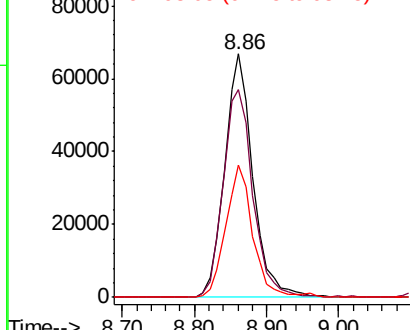
83 100

55 85.3 68.2 102.4

98 54.2 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: 19.132 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD062231.D

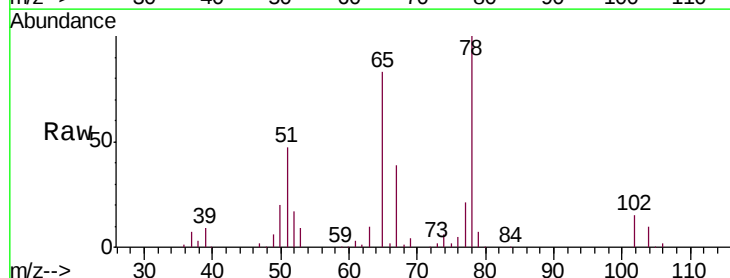
Acq: 11 May 2019 12:23

Tgt Ion: 78 Resp: 421357

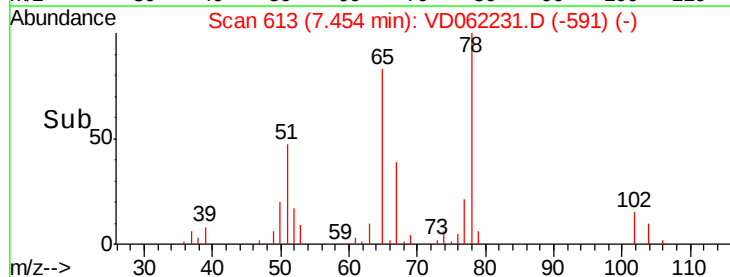
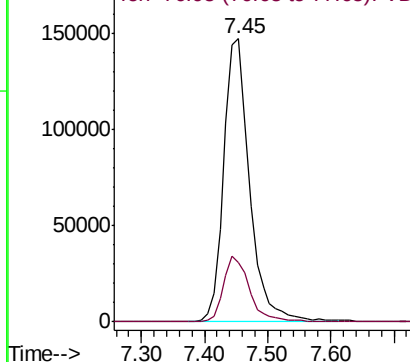
Ion Ratio Lower Upper

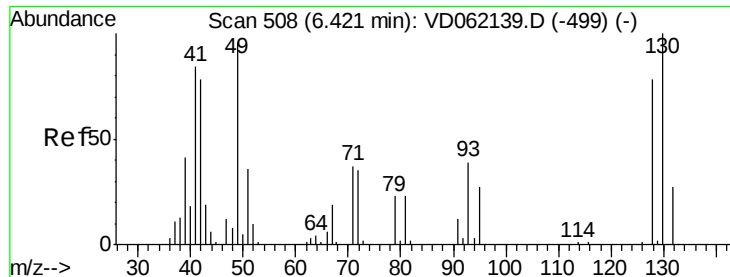
78 100

77 20.9 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: 19.864 ug/l

RT: 6.44 min Scan# 510

Delta R.T. 0.02 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBSD01

Tgt Ion: 41 Resp: 100404

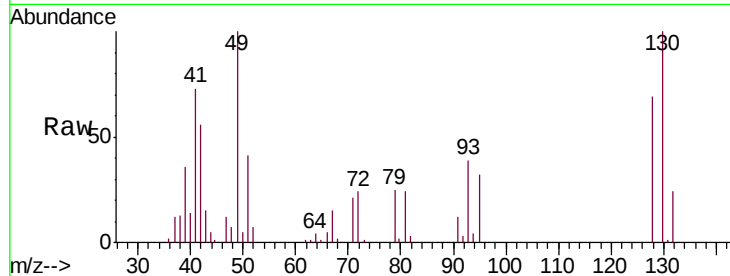
Ion Ratio Lower Upper

41 100

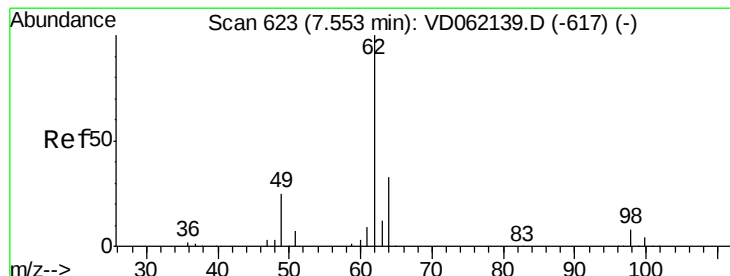
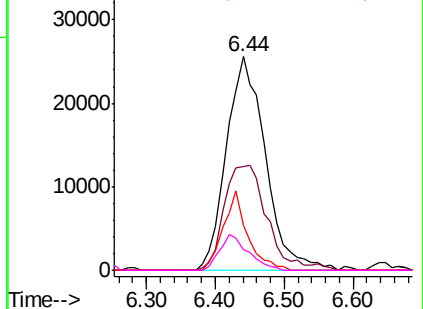
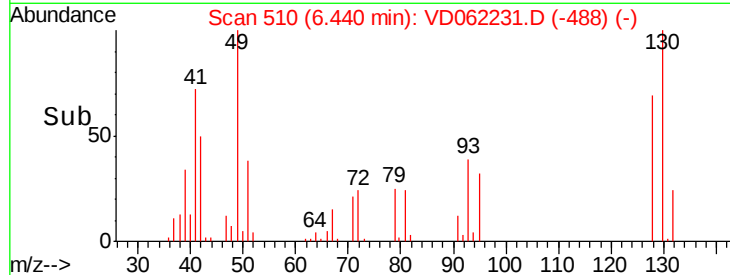
39 48.6 34.1 51.1

67 20.8 23.8 35.6#

52 9.4 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: 19.764 ug/l

RT: 7.57 min Scan# 625

Delta R.T. 0.02 min

Lab File: VD062231.D

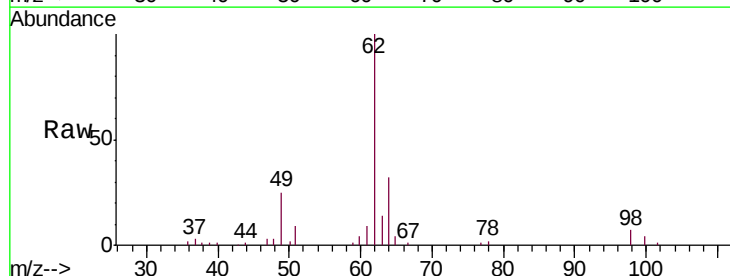
Acq: 11 May 2019 12:23

Tgt Ion: 62 Resp: 184418

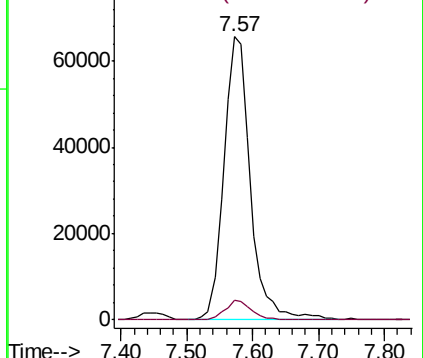
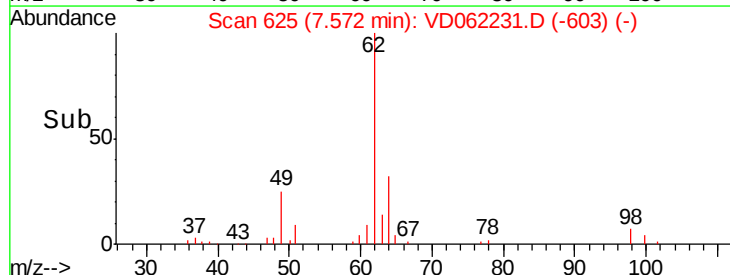
Ion Ratio Lower Upper

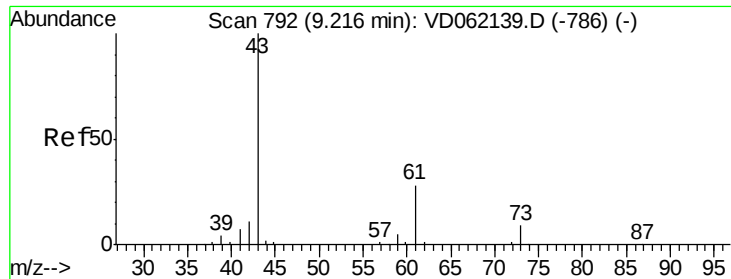
62 100

98 6.8 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: 19.550 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBSD01

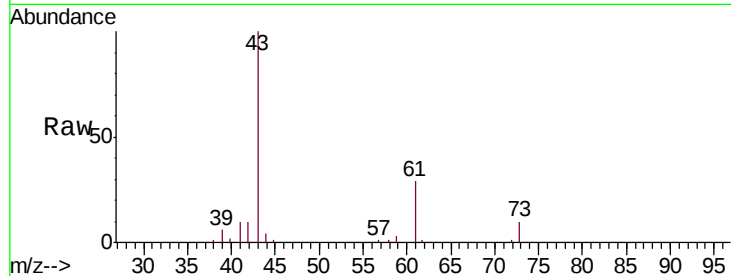
Tgt Ion: 43 Resp: 114678

Ion Ratio Lower Upper

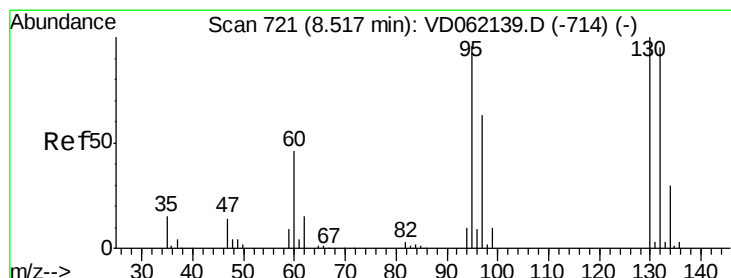
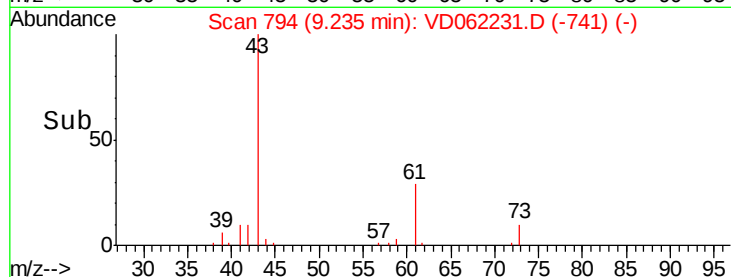
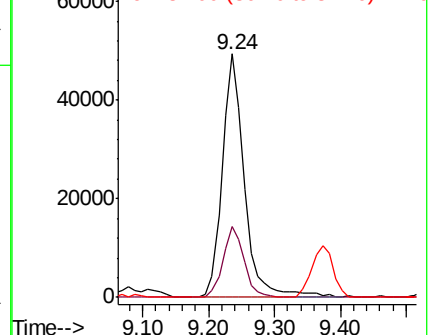
43 100

61 29.0 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: 19.253 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD062231.D

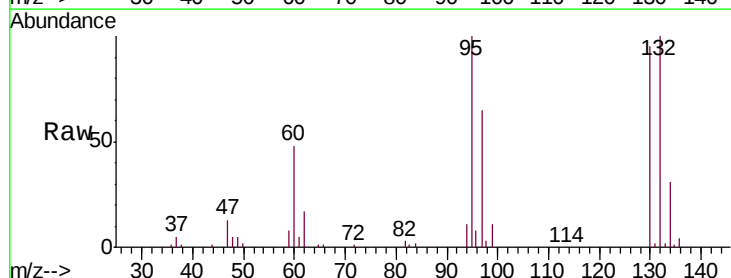
Acq: 11 May 2019 12:23

Tgt Ion: 130 Resp: 161574

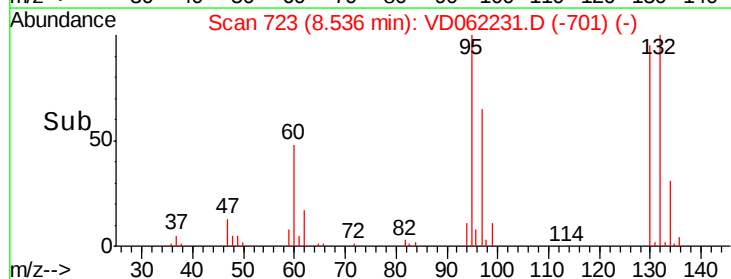
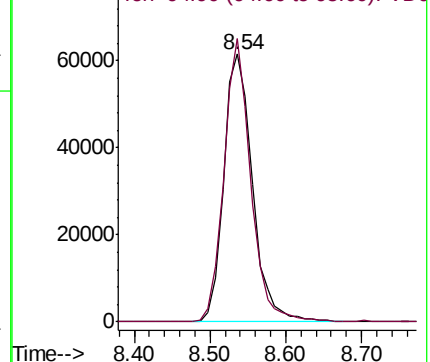
Ion Ratio Lower Upper

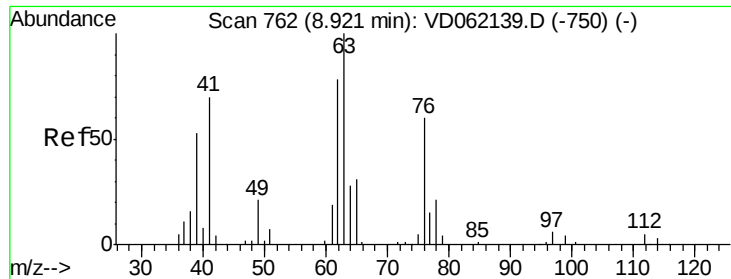
130 100

95 105.7 0.0 174.0



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

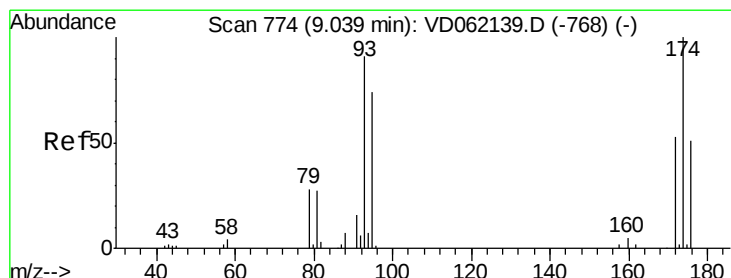
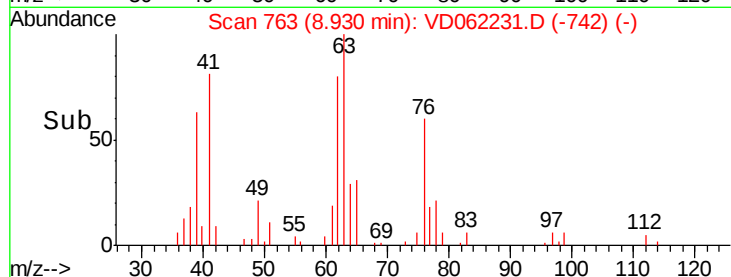
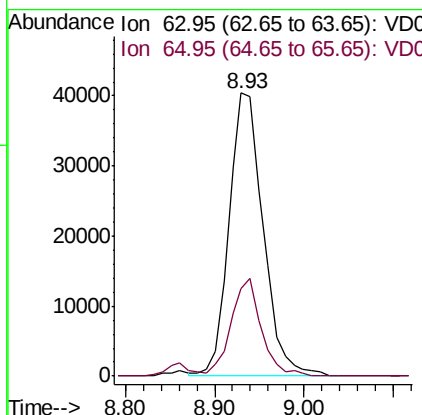
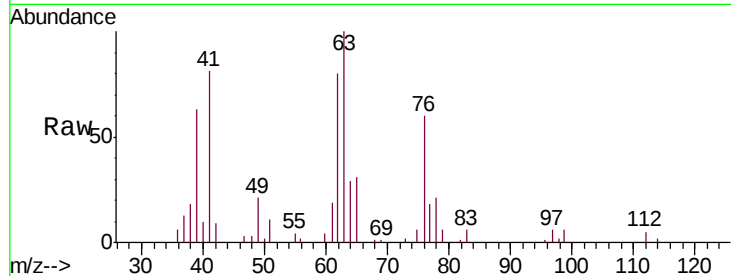




#45
 1,2-Dichloropropane
 Concen: 19.864 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

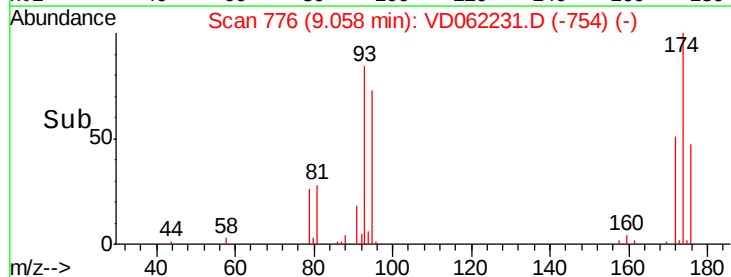
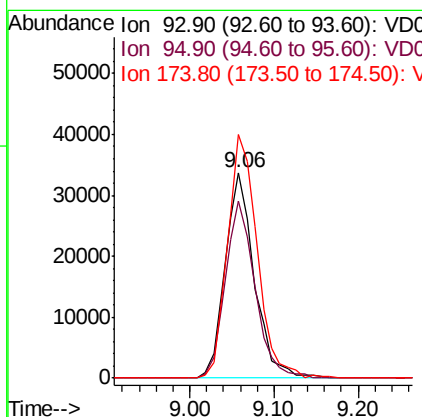
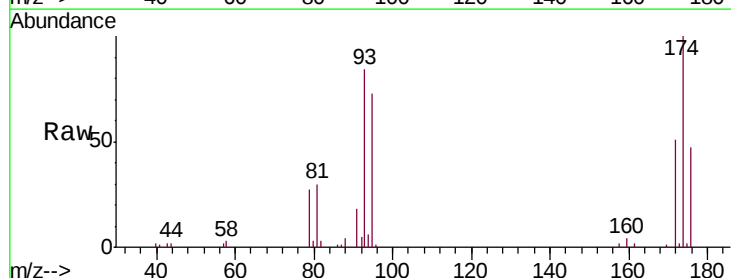
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

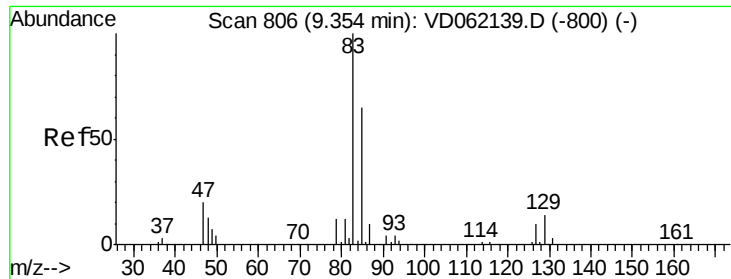
Tgt Ion: 63 Resp: 108208
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.6



#46
 Dibromomethane
 Concen: 18.289 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. 0.02 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion: 93 Resp: 81016
 Ion Ratio Lower Upper
 93 100
 95 86.2 64.8 97.2
 174 118.6 79.3 118.9





#47

Bromodichloromethane

Concen: 20.519 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBSD01

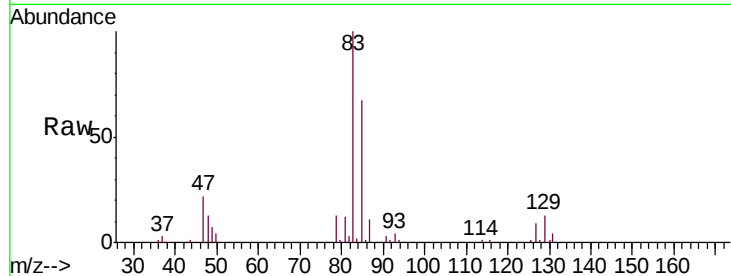
Tgt Ion: 83 Resp: 222331

Ion Ratio Lower Upper

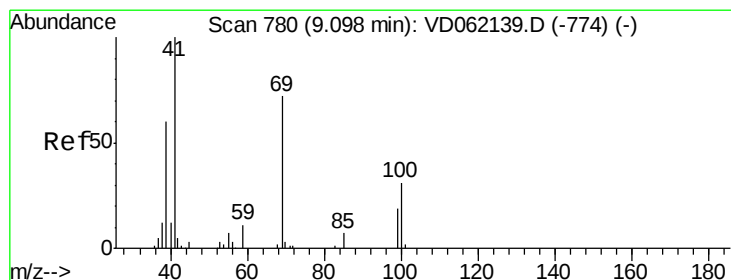
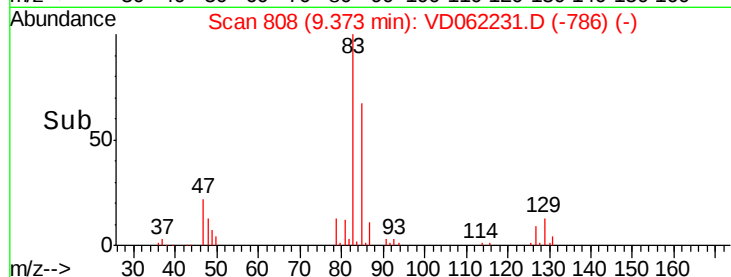
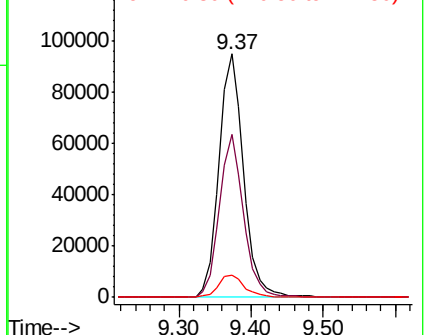
83 100

85 66.9 50.9 76.3

127 9.1 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: 22.032 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

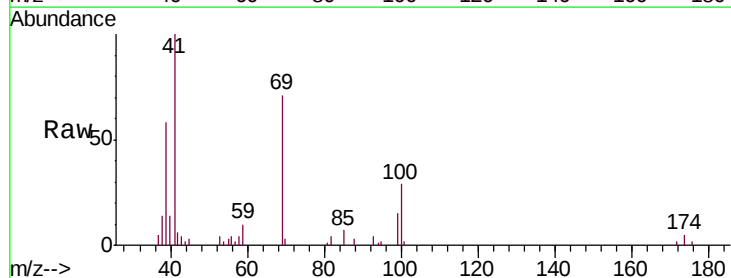
Tgt Ion: 41 Resp: 79605

Ion Ratio Lower Upper

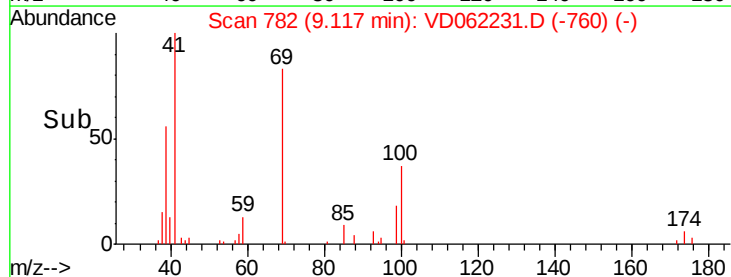
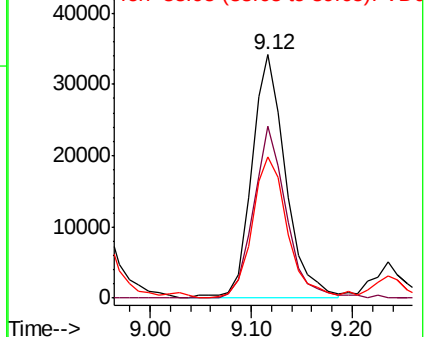
41 100

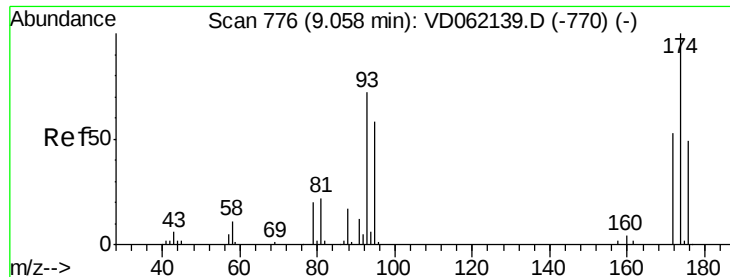
69 70.7 64.2 96.2

39 58.2 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

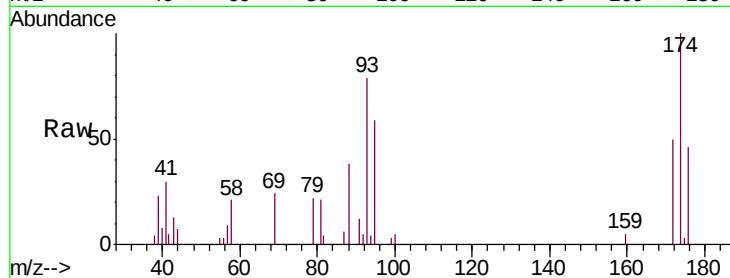




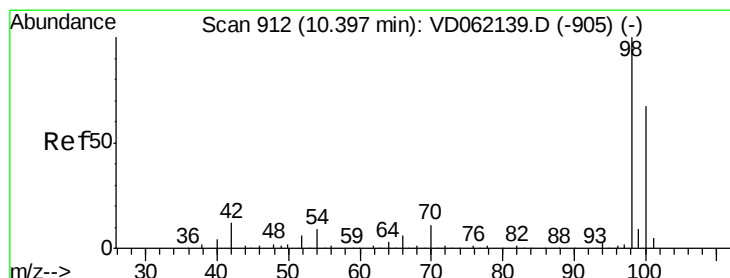
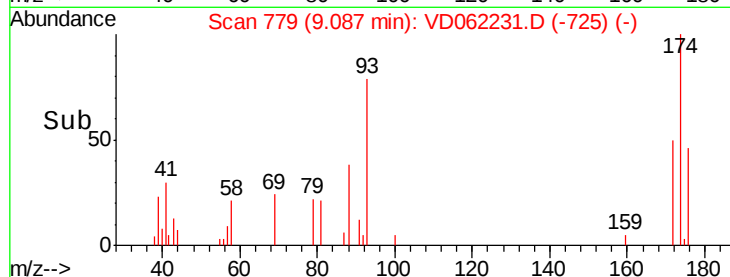
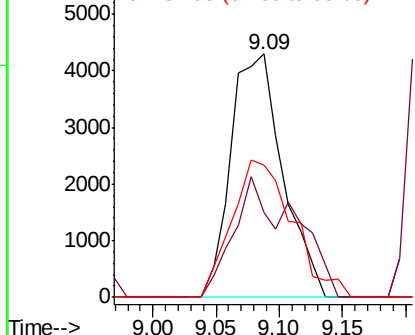
#49
1,4-Dioxane
Concen: 314.948 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tgt Ion: 88 Resp: 12278
Ion Ratio Lower Upper
88 100
43 34.7 23.4 35.0
58 54.4 44.0 66.0

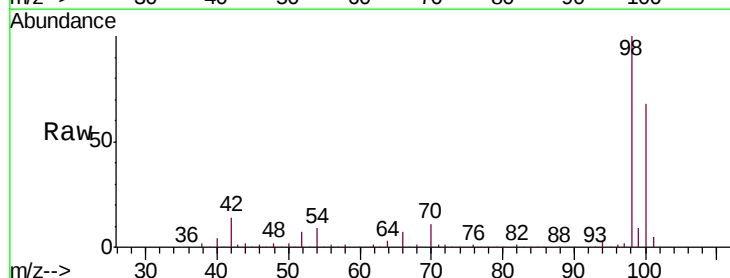


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

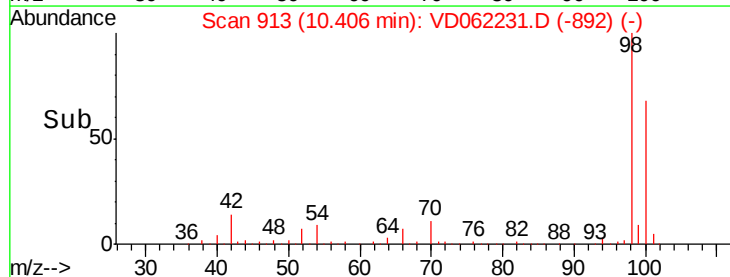
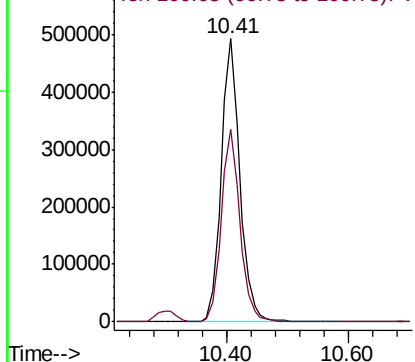


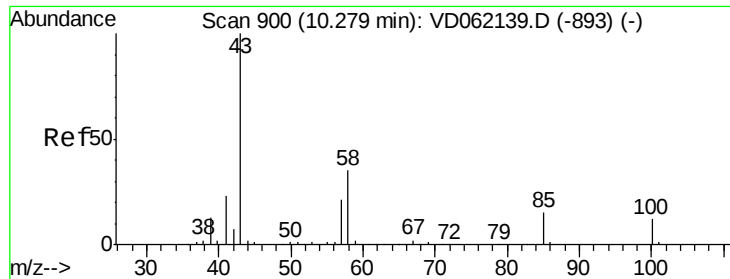
#50
Toluene-d8
Concen: 44.062 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion: 98 Resp: 1048500
Ion Ratio Lower Upper
98 100
100 68.2 53.8 80.8



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

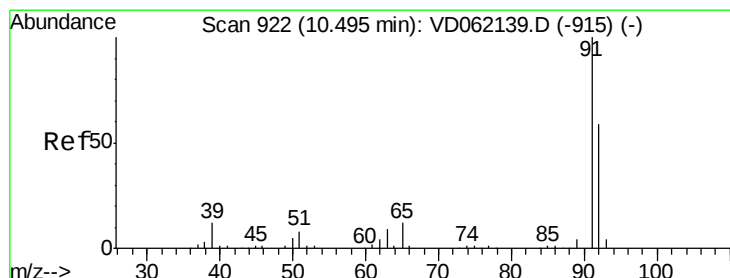
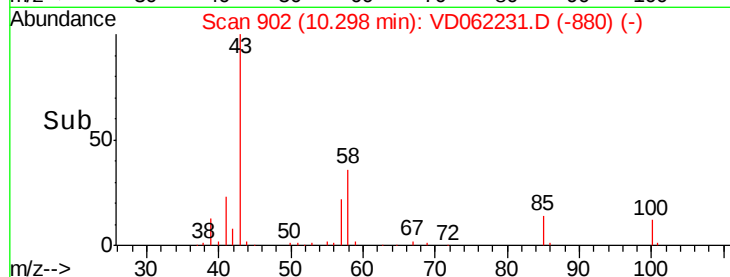
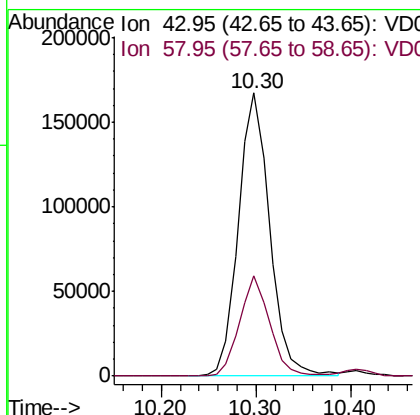
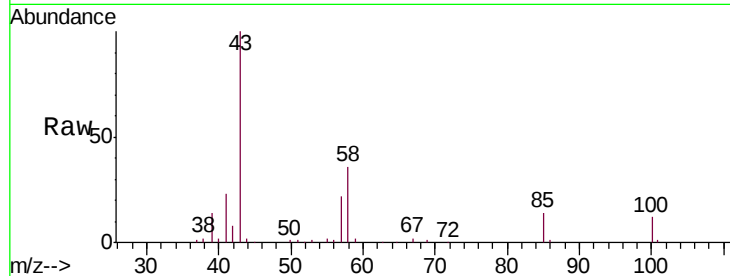




#51
 4-Methyl-2-Pentanone
 Concen: 101.688 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. 0.02 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

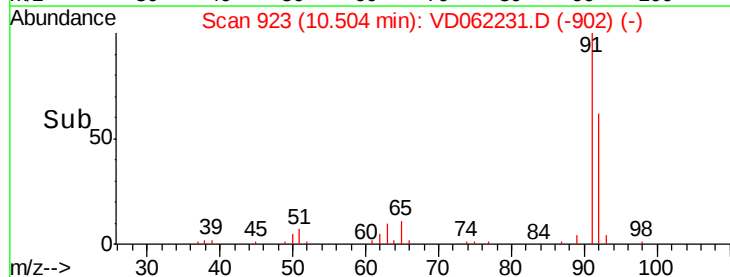
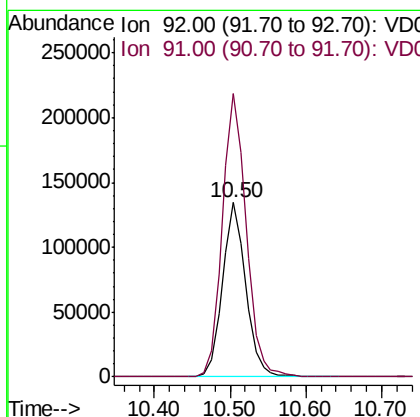
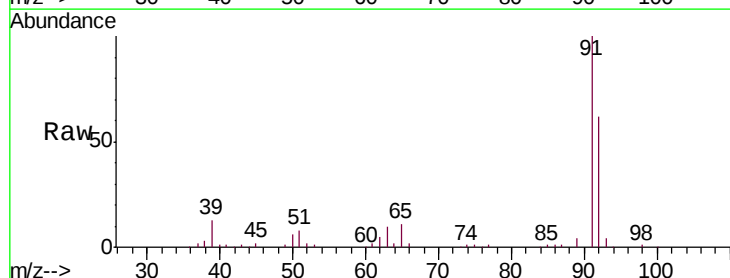
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

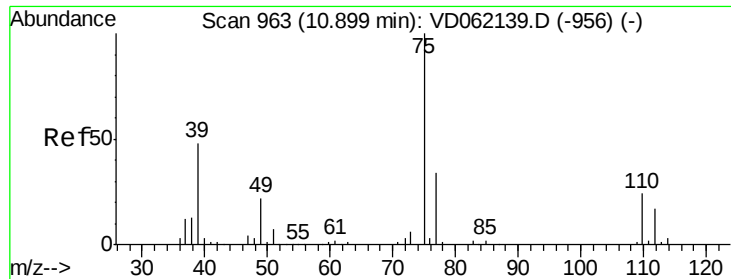
Tgt Ion: 43 Resp: 383429
 Ion Ratio Lower Upper
 43 100
 58 35.5 30.4 45.6



#52
 Toluene
 Concen: 20.063 ug/l
 RT: 10.50 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion: 92 Resp: 287482
 Ion Ratio Lower Upper
 92 100
 91 162.2 136.6 204.8

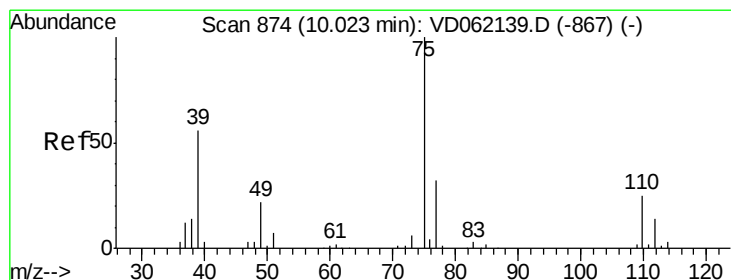
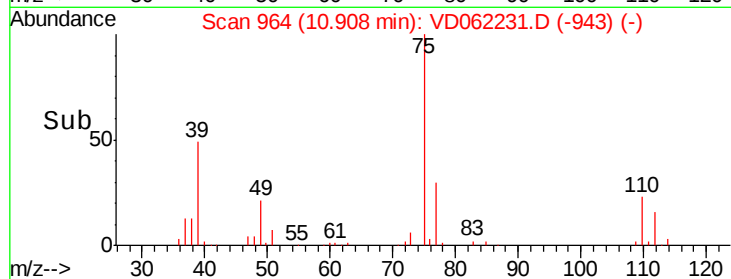
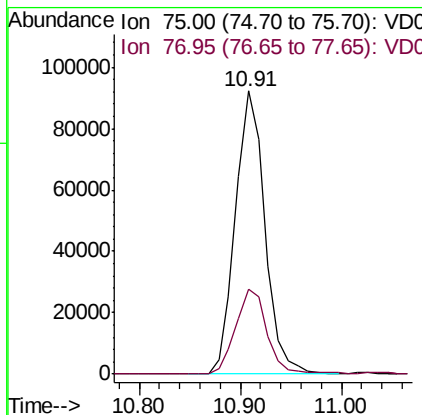
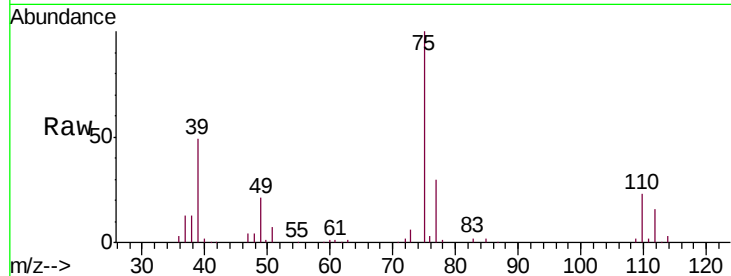




#53
t-1,3-Dichloropropene
Concen: 20.065 ug/l
RT: 10.91 min Scan# 964
Delta R.T. 0.01 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

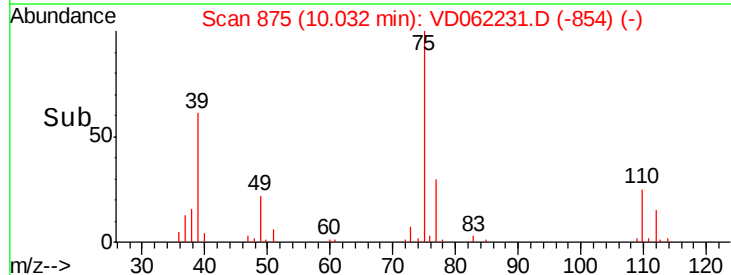
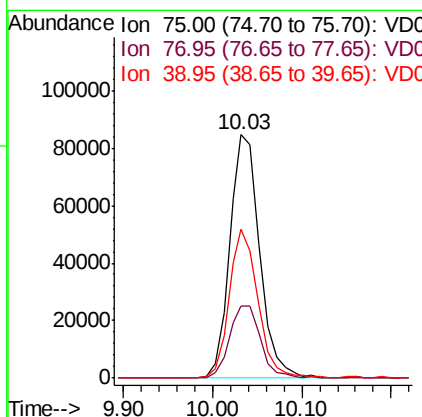
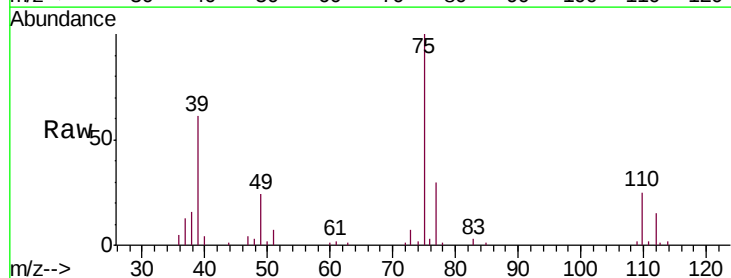
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBSD01

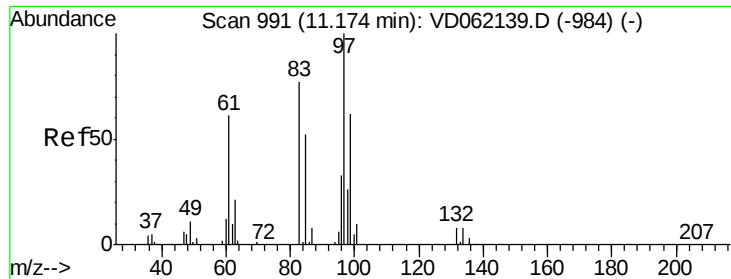
Tgt Ion: 75 Resp: 187910
Ion Ratio Lower Upper
75 100
77 30.0 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 19.447 ug/l
RT: 10.03 min Scan# 875
Delta R.T. 0.01 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion: 75 Resp: 198676
Ion Ratio Lower Upper
75 100
77 29.8 25.5 38.3
39 61.4 39.4 59.2#

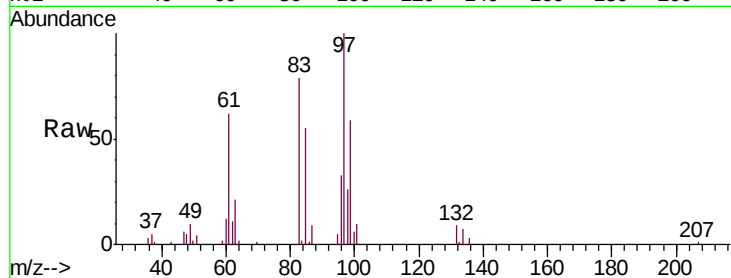




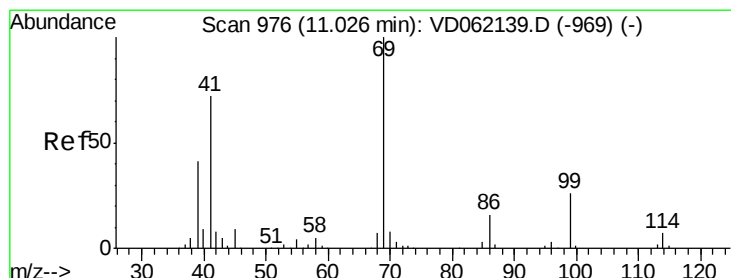
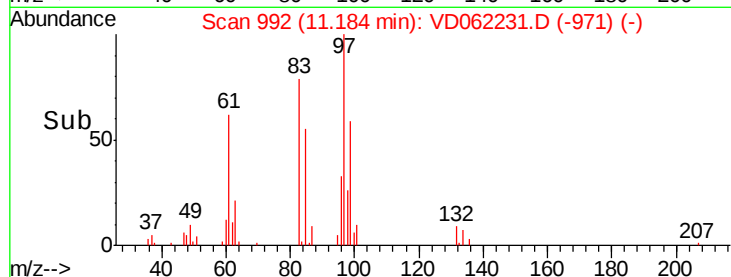
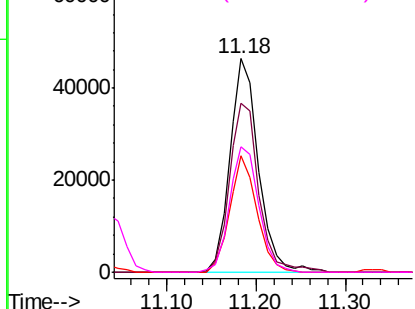
#55
 1,1,2-Trichloroethane
 Concen: 20.458 ug/l
 RT: 11.18 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

Tgt Ion:	97	Resp:	103720
Ion	Ratio	Lower	Upper
97	100		
83	80.9	65.7	98.5
85	54.5	45.6	68.4
99	58.7	48.4	72.6

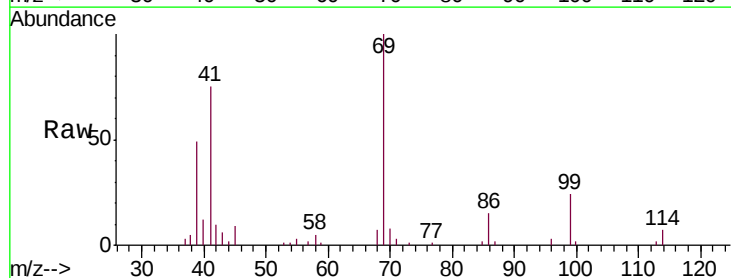


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

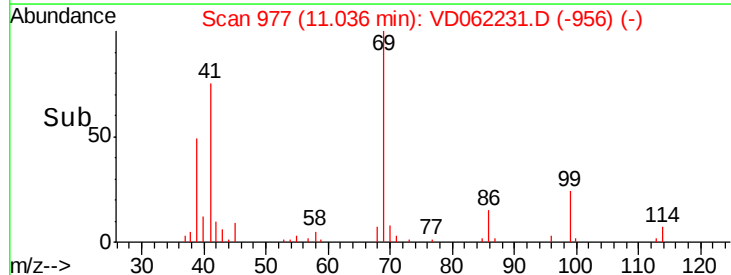
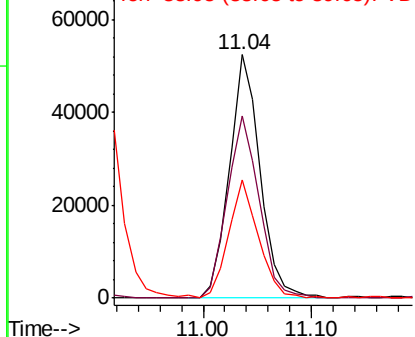


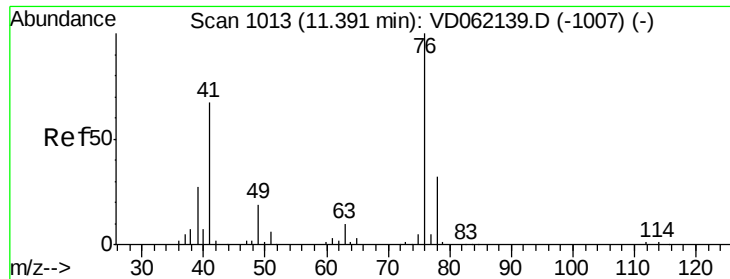
#56
 Ethyl methacrylate
 Concen: 19.626 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion:	69	Resp:	103400
Ion	Ratio	Lower	Upper
69	100		
41	74.7	56.3	84.5
39	48.6	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

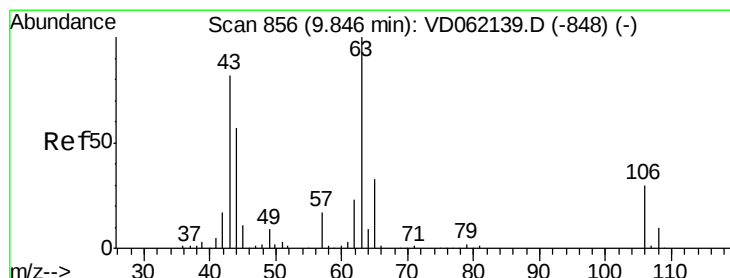
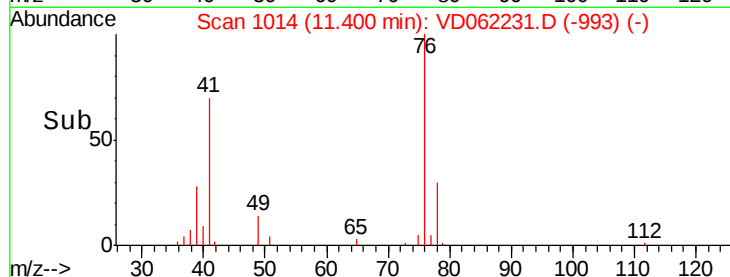
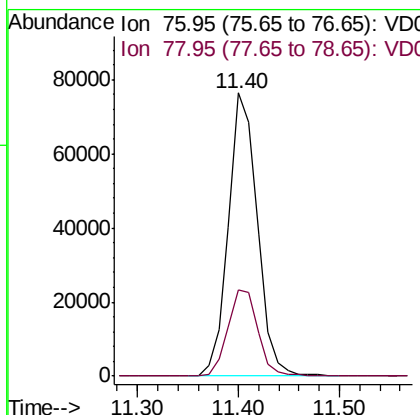
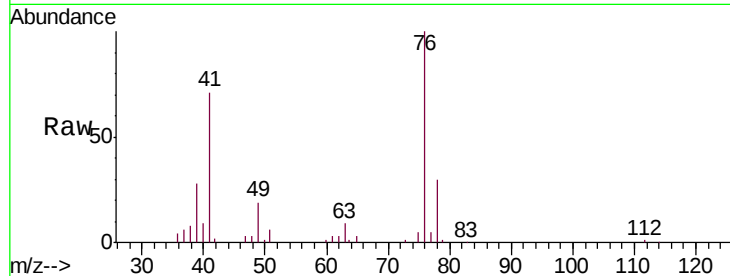




#57
 1,3-Dichloropropane
 Concen: 19.822 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

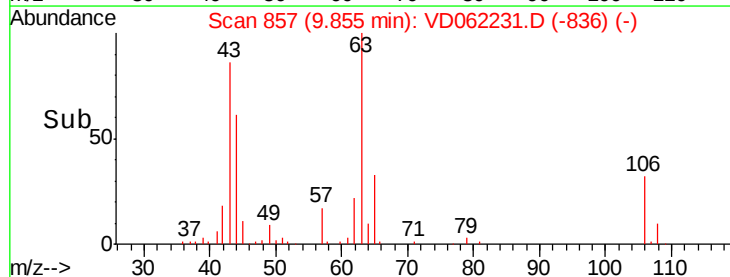
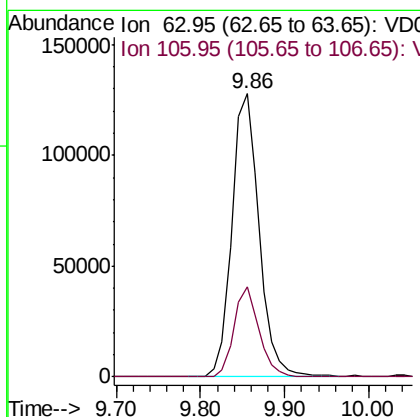
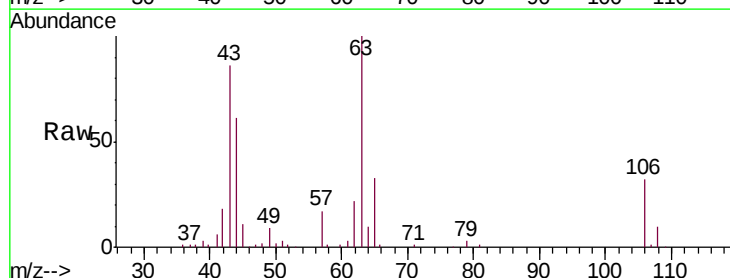
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

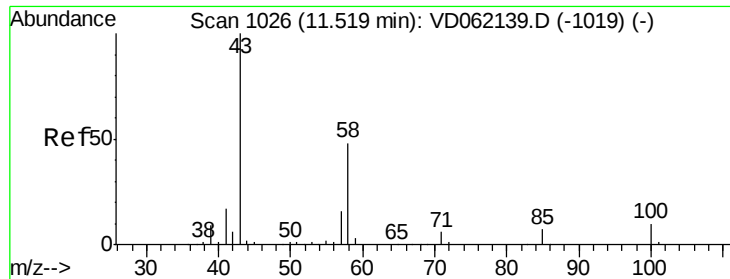
Tgt Ion: 76 Resp: 151827
 Ion Ratio Lower Upper
 76 100
 78 30.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.834 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion: 63 Resp: 287306
 Ion Ratio Lower Upper
 63 100
 106 31.7 22.6 34.0

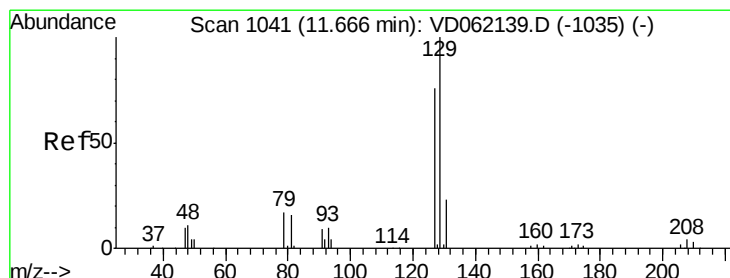
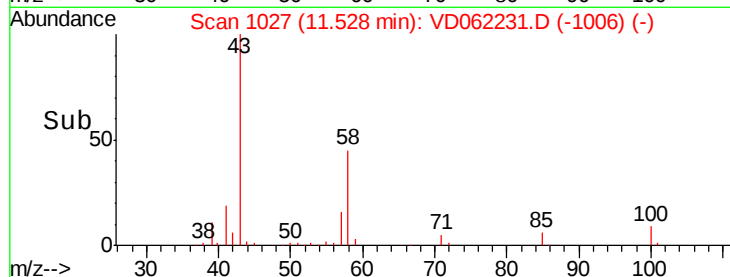
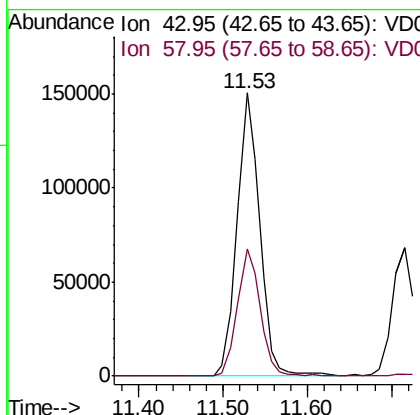
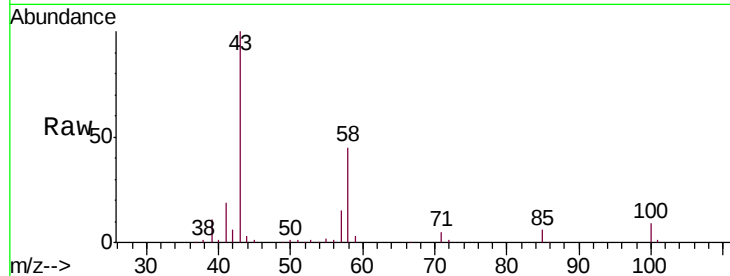




#59
2-Hexanone
Concen: 102.044 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

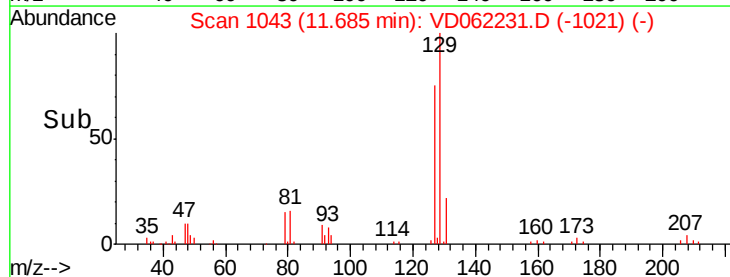
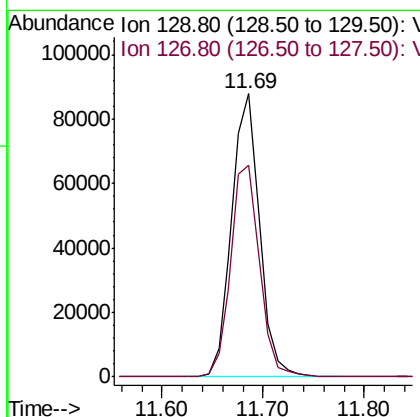
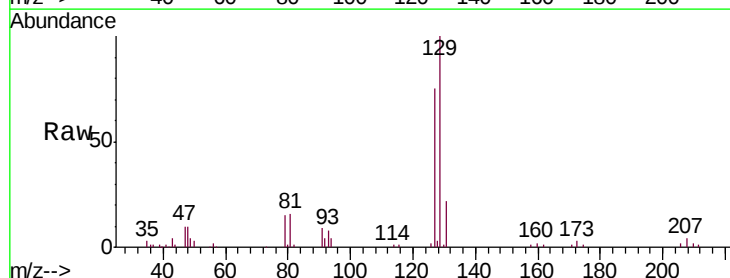
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBSD01

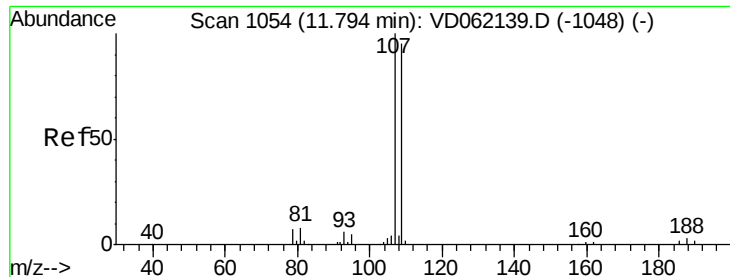
Tgt Ion: 43 Resp: 283593
Ion Ratio Lower Upper
43 100
58 45.2 25.4 76.4



#60
Dibromochloromethane
Concen: 19.211 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion: 129 Resp: 168330
Ion Ratio Lower Upper
129 100
127 74.8 38.0 113.9

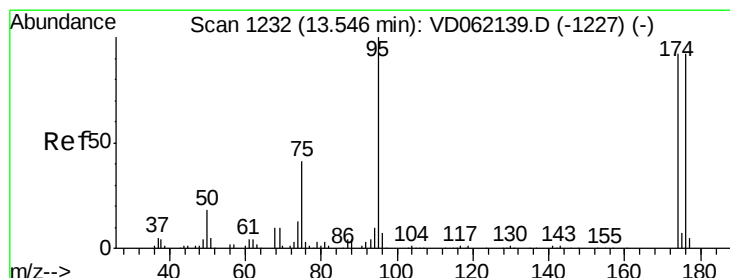
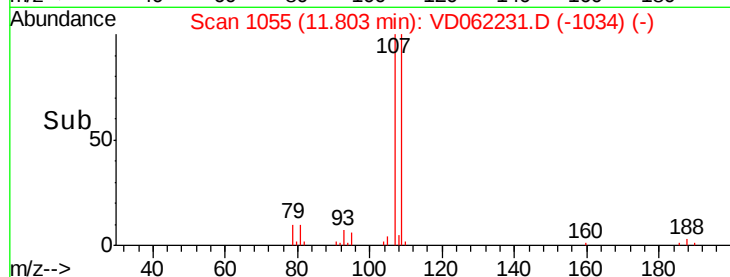
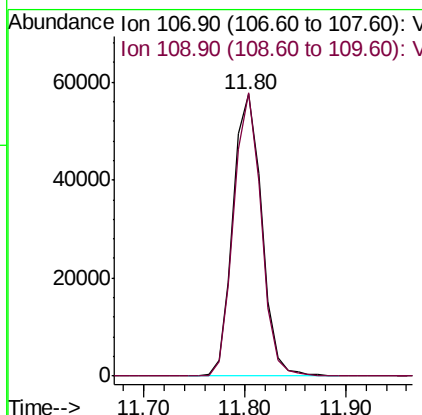
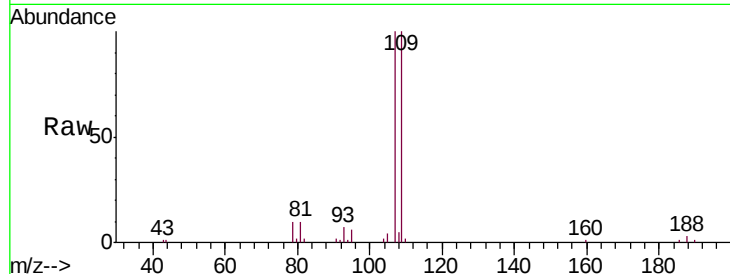




#61
 1,2-Dibromoethane
 Concen: 18.466 ug/l
 RT: 11.80 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

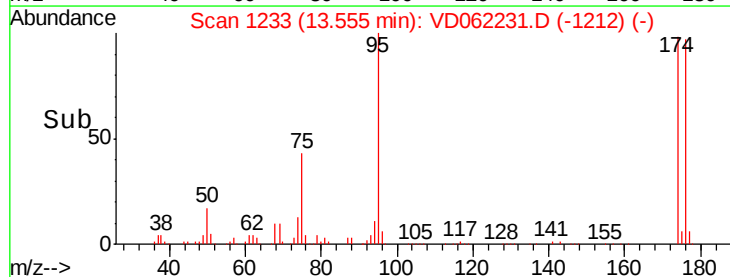
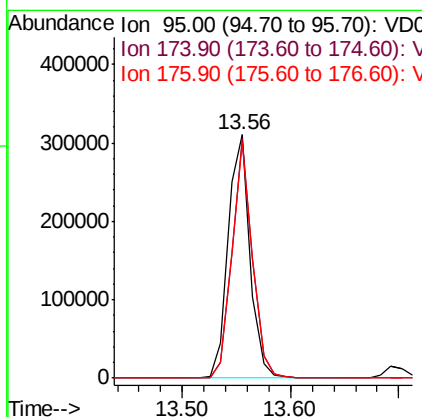
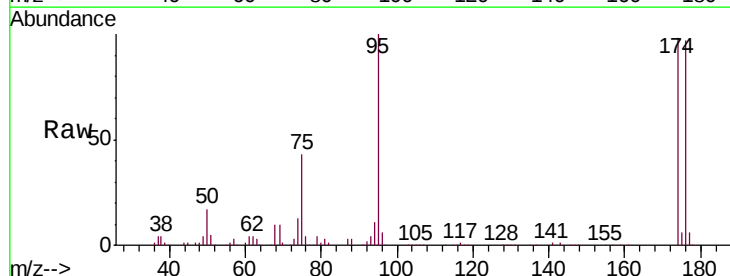
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

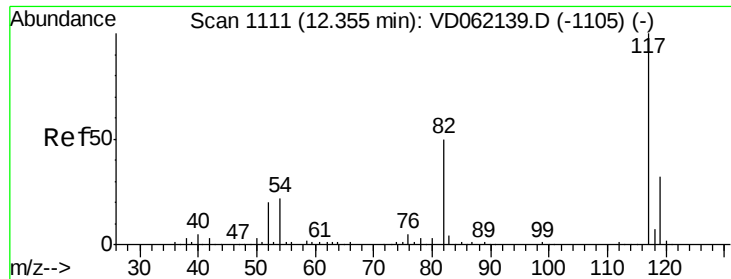
Tgt Ion: 107 Resp: 113826
 Ion Ratio Lower Upper
 107 100
 109 100.4 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 45.685 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion: 95 Resp: 436555
 Ion Ratio Lower Upper
 95 100
 174 98.3 0.0 181.8
 176 96.8 0.0 174.4

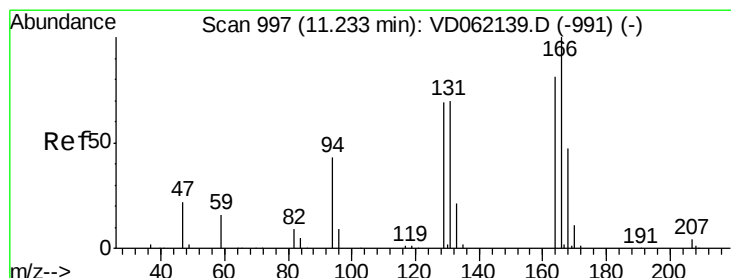
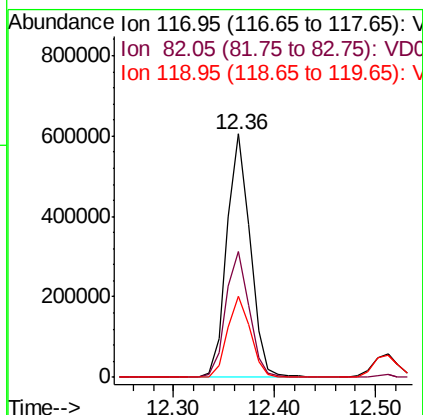
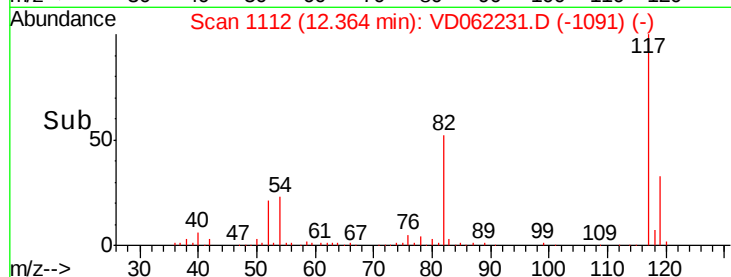
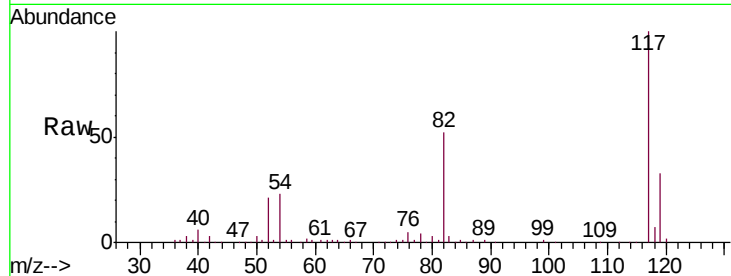




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

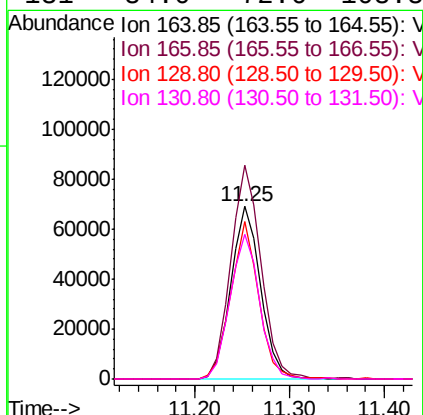
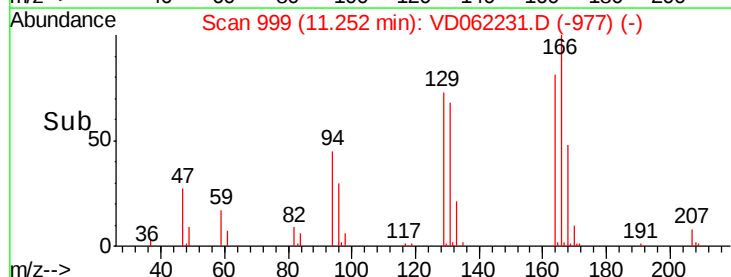
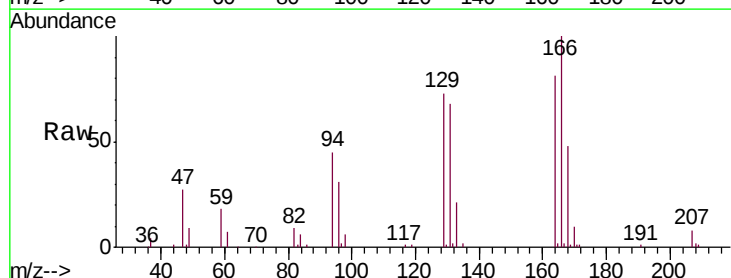
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBSD01

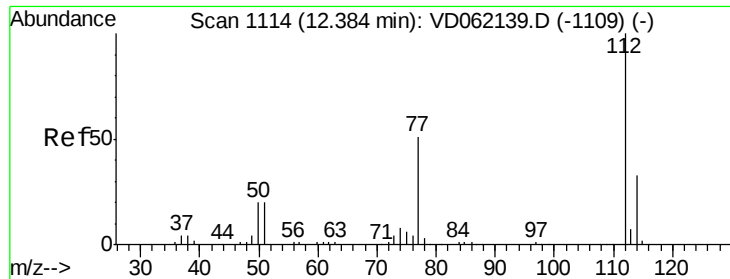
Tgt Ion:117 Resp: 972372
Ion Ratio Lower Upper
117 100
82 51.9 36.2 54.2
119 33.5 26.2 39.4



#64
Tetrachloroethene
Concen: 19.629 ug/l
RT: 11.25 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion:164 Resp: 149249
Ion Ratio Lower Upper
164 100
166 124.0 101.5 152.3
129 91.0 74.6 112.0
131 84.0 72.6 108.8





#65

Chlorobenzene

Concen: 18.708 ug/l

RT: 12.39 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

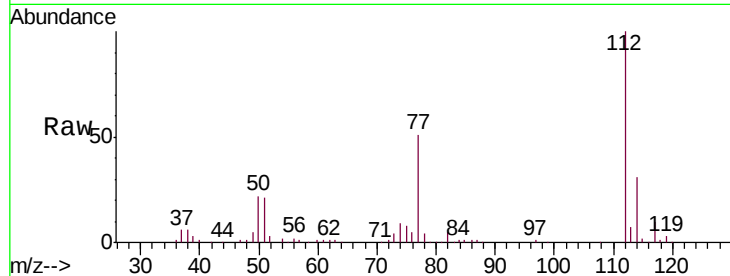
VD0511SBSD01

Tgt Ion:112 Resp: 338818

Ion Ratio Lower Upper

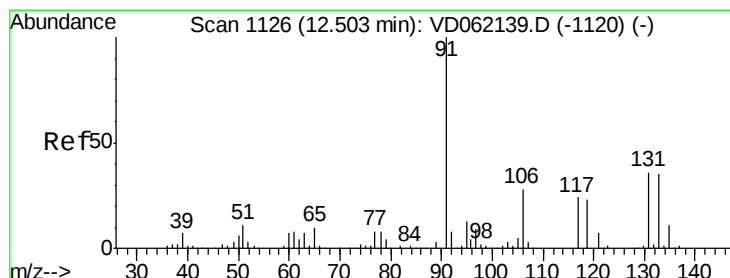
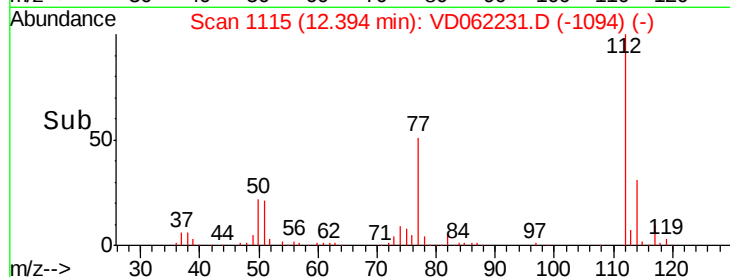
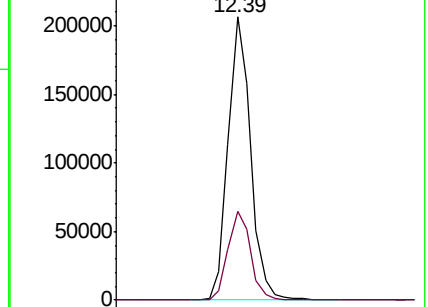
112 100

114 31.2 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.779 ug/l

RT: 12.51 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

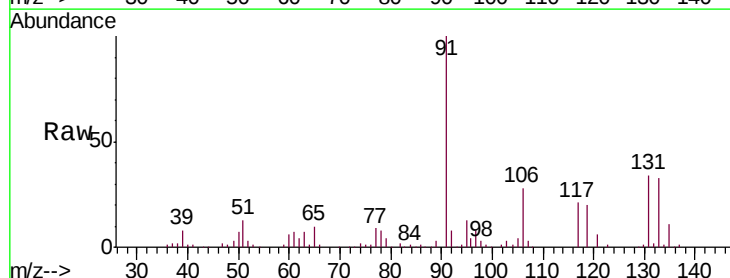
Tgt Ion:131 Resp: 155901

Ion Ratio Lower Upper

131 100

133 97.8 48.6 145.8

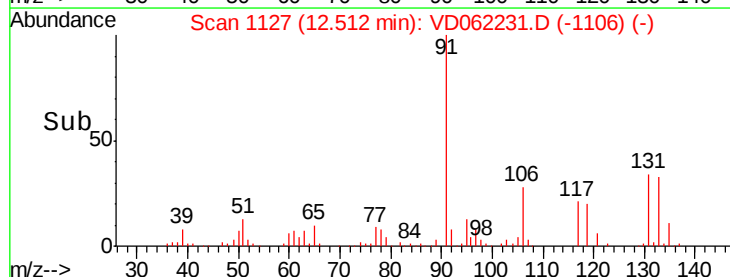
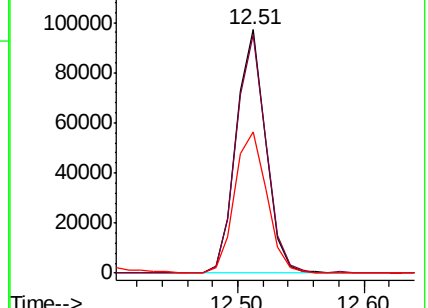
119 57.8 34.7 104.1

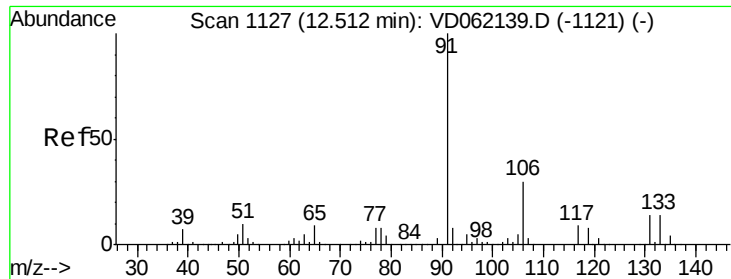


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

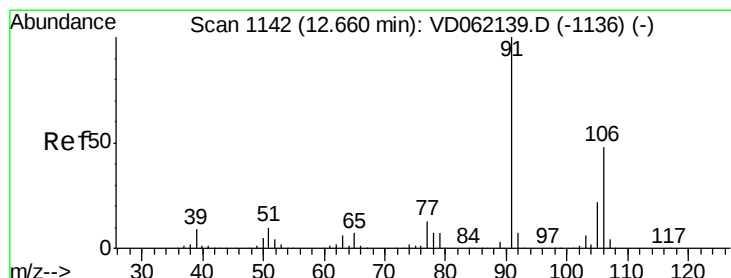
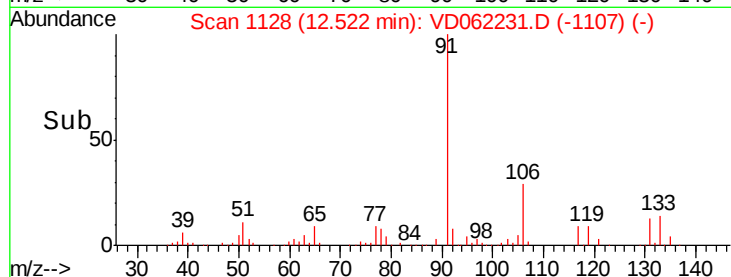
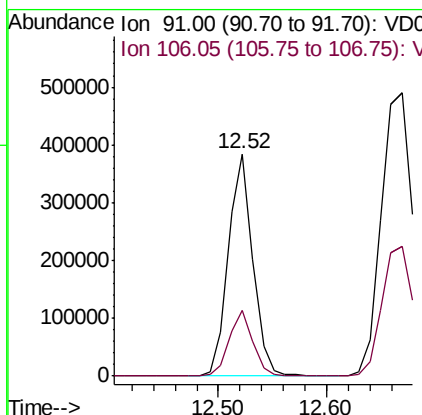
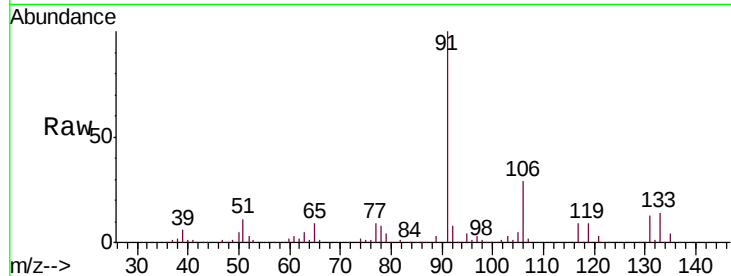




#67
Ethyl Benzene
Concen: 19.951 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

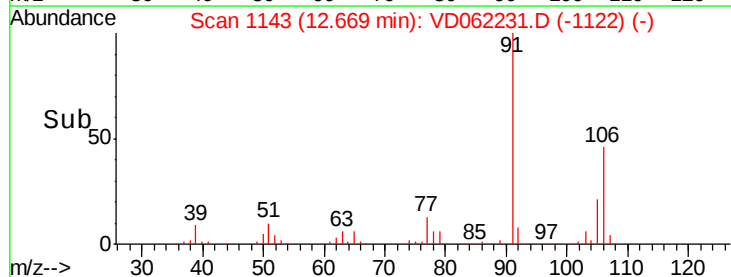
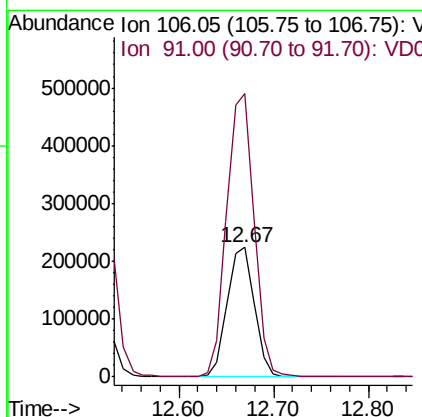
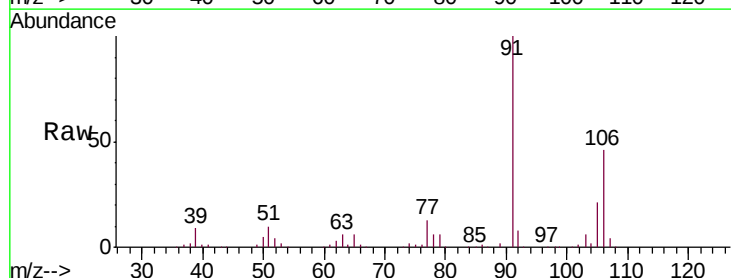
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

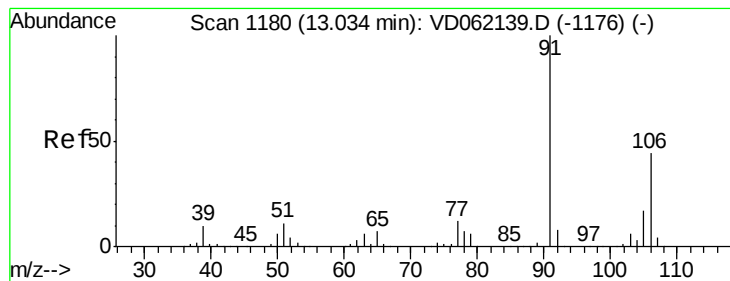
Tgt Ion: 91 Resp: 604925
Ion Ratio Lower Upper
91 100
106 29.3 24.7 37.1



#68
m/p-Xylenes
Concen: 40.471 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion: 106 Resp: 446441
Ion Ratio Lower Upper
106 100
91 218.3 164.0 246.0





#69

o-Xylene

Concen: 20.135 ug/l

RT: 13.04 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

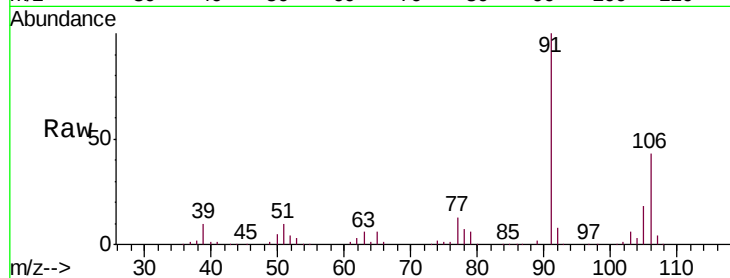
VD0511SBSD01

Tgt Ion:106 Resp: 206498

Ion Ratio Lower Upper

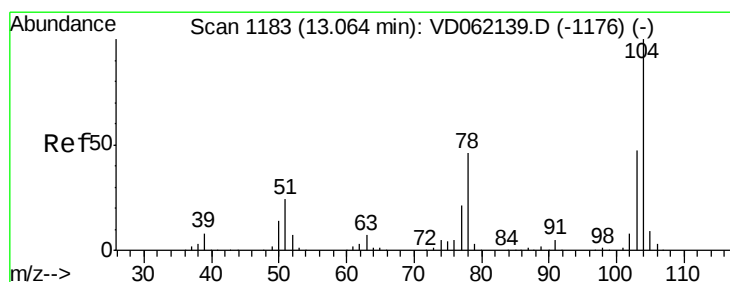
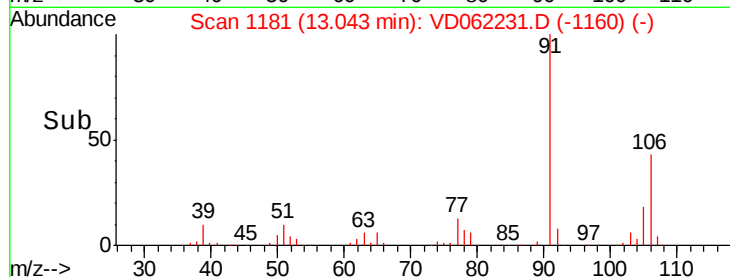
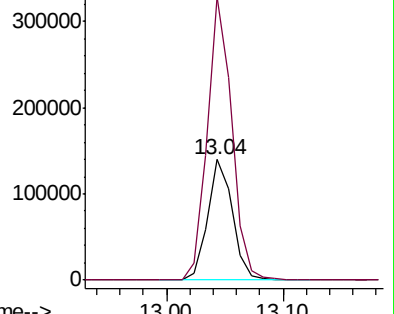
106 100

91 234.8 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 20.557 ug/l

RT: 13.07 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

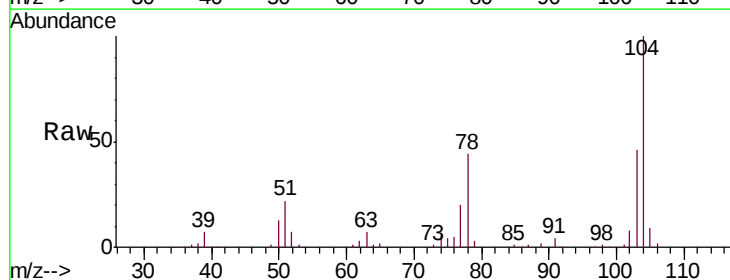
Tgt Ion:104 Resp: 357134

Ion Ratio Lower Upper

104 100

78 44.4 35.4 53.2

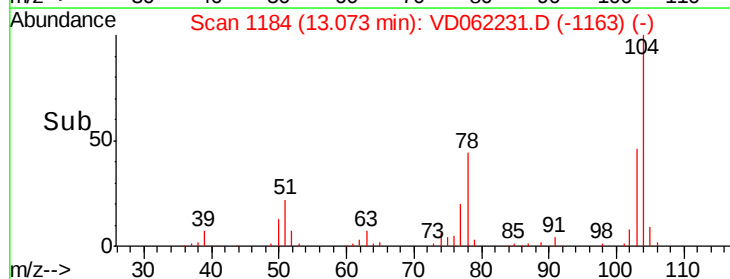
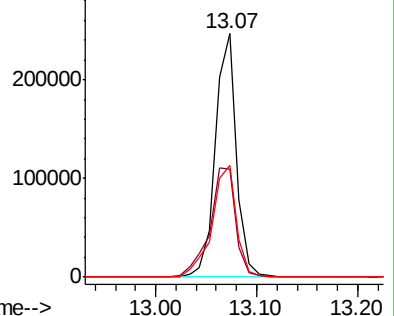
103 45.8 37.5 56.3

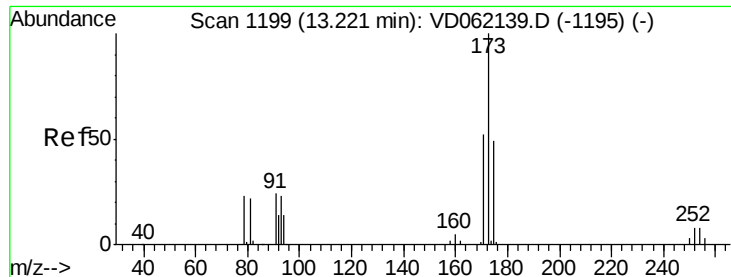


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V

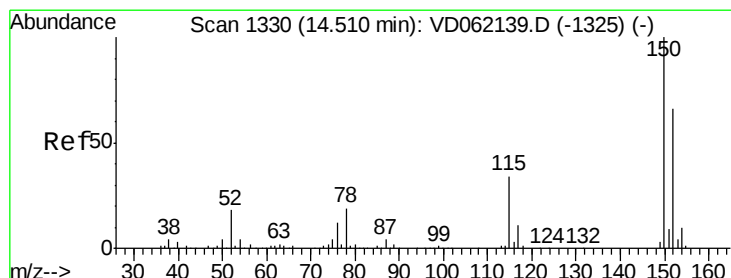
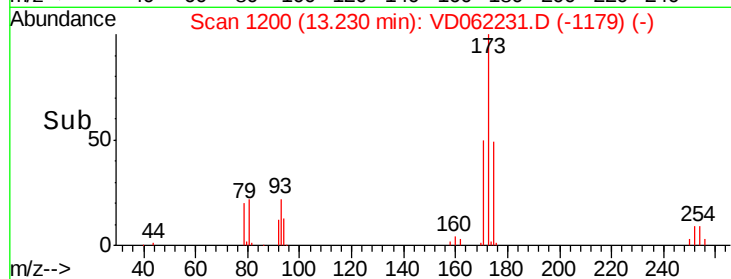
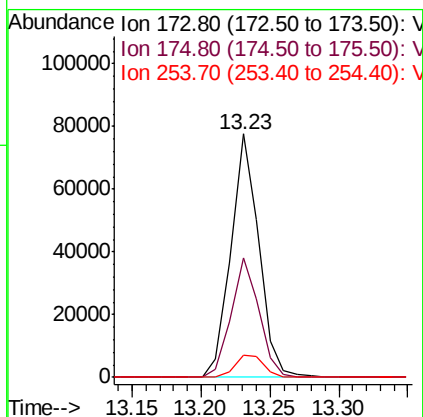
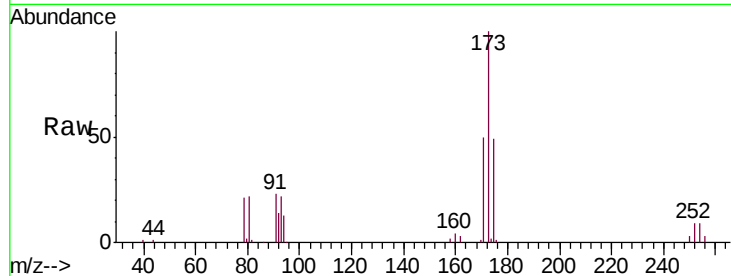




#71
Bromoform
Concen: 19.951 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

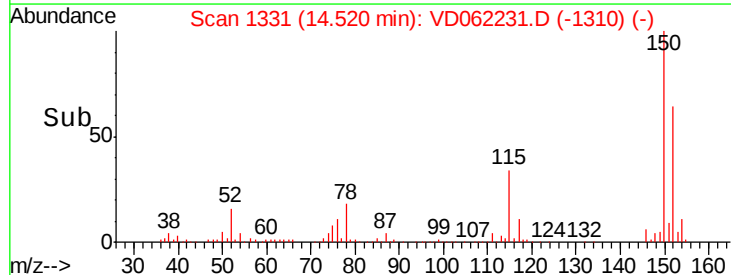
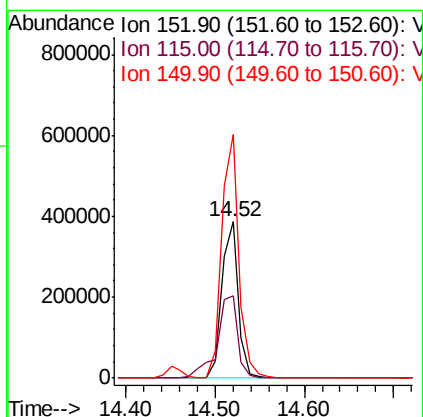
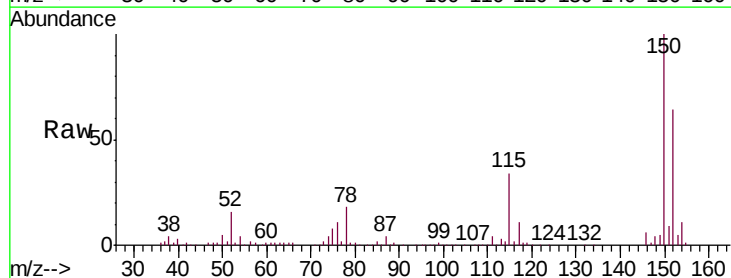
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBSD01

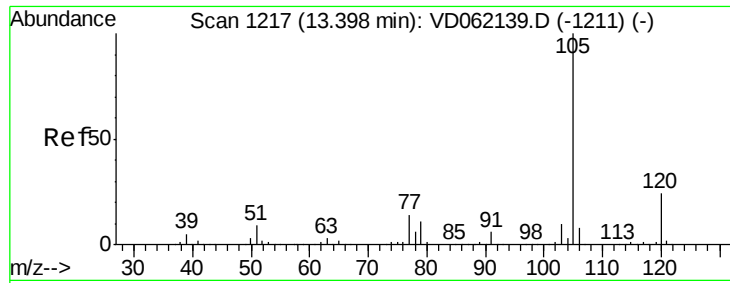
Tgt Ion:173 Resp: 109410
Ion Ratio Lower Upper
173 100
175 49.2 24.4 73.4
254 9.0 5.4 8.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion:152 Resp: 503347
Ion Ratio Lower Upper
152 100
115 52.5 30.9 92.7
150 156.0 0.0 314.8





#73

Isopropylbenzene

Concen: 20.355 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

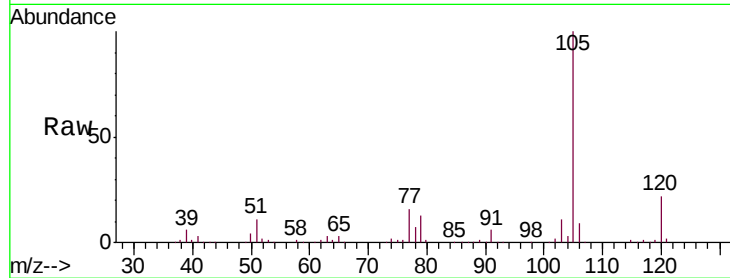
VD0511SBSD01

Tgt Ion: 105 Resp: 614166

Ion Ratio Lower Upper

105 100

120 21.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

400000

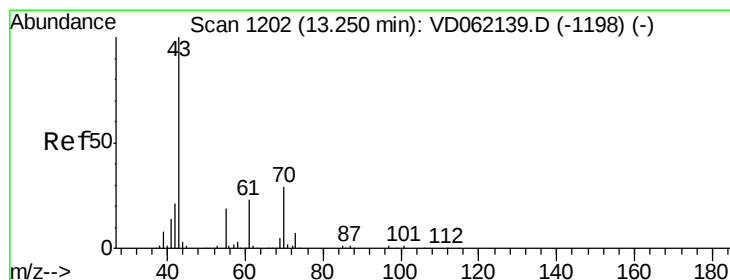
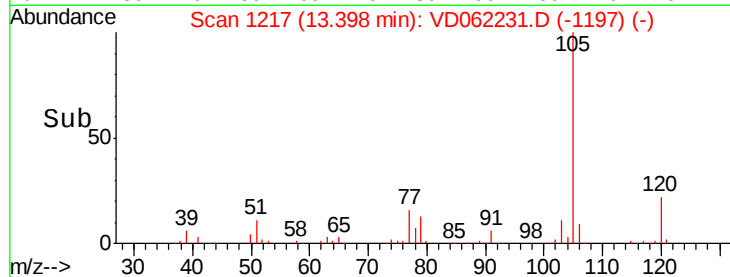
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.970 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Tgt Ion: 43 Resp: 150062

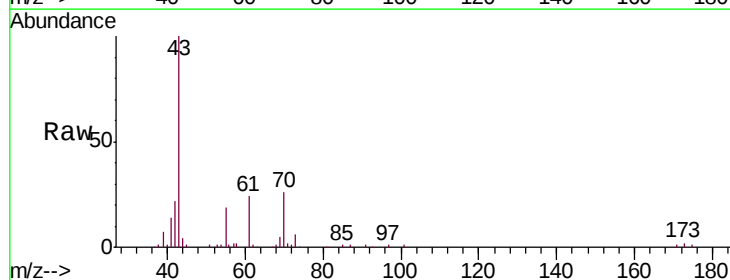
Ion Ratio Lower Upper

43 100

70 26.2 24.2 36.4

55 19.3 16.0 24.0

61 23.7 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

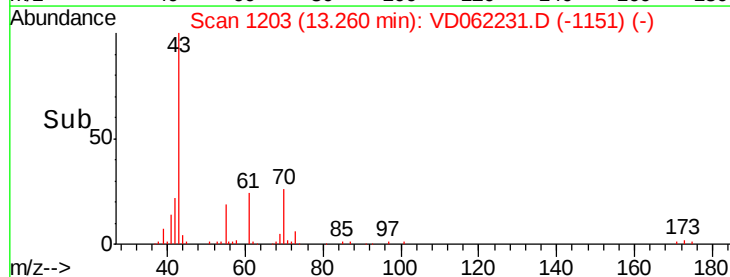
150000

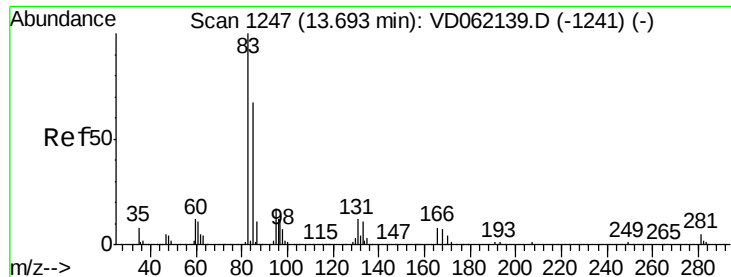
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 20.237 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

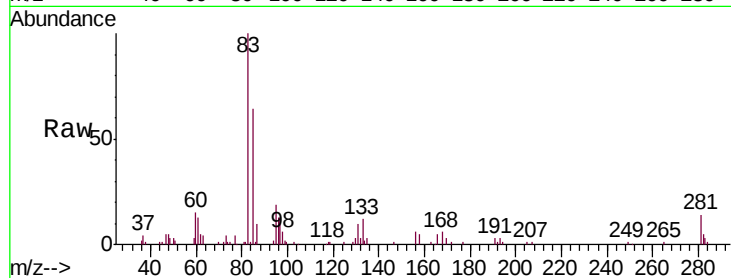
Tgt Ion: 83 Resp: 115594

Ion Ratio Lower Upper

83 100

131 10.4 5.0 14.9

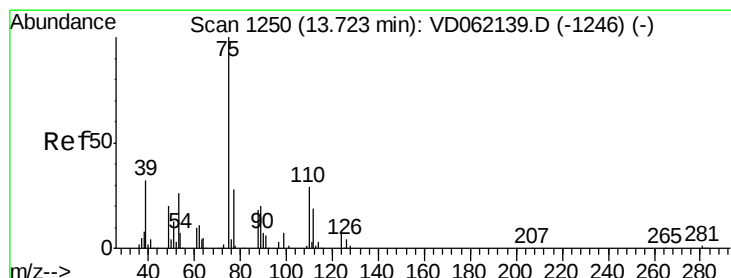
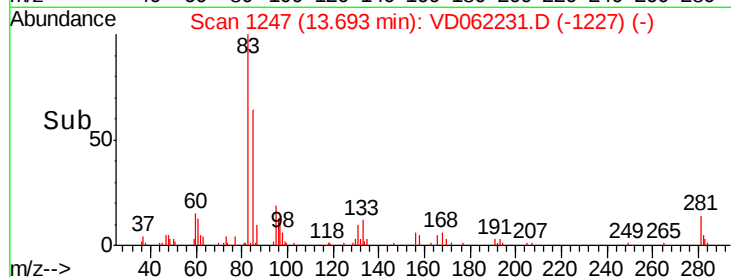
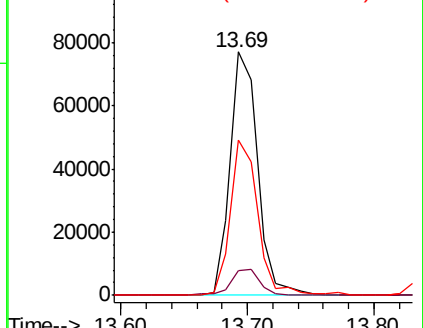
85 63.8 32.6 97.7



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: 20.385 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062231.D

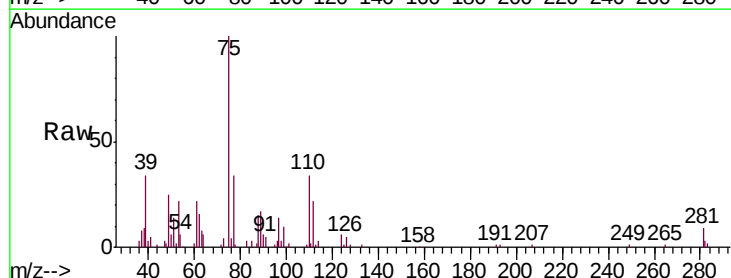
Acq: 11 May 2019 12:23

Tgt Ion: 75 Resp: 121940

Ion Ratio Lower Upper

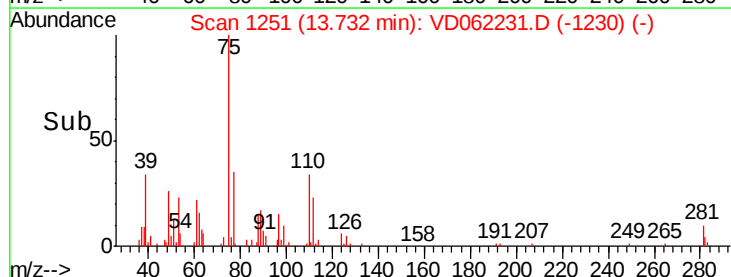
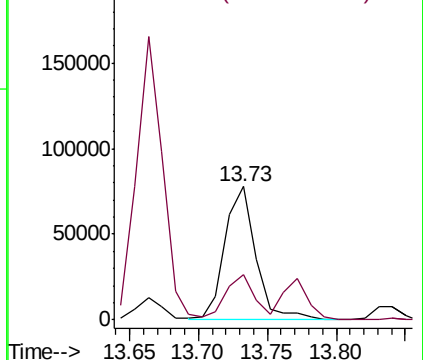
75 100

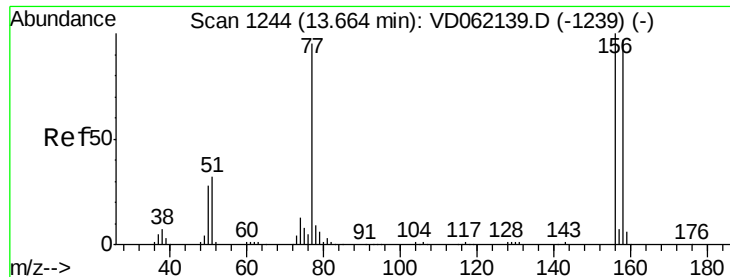
77 34.1 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.250 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBSD01

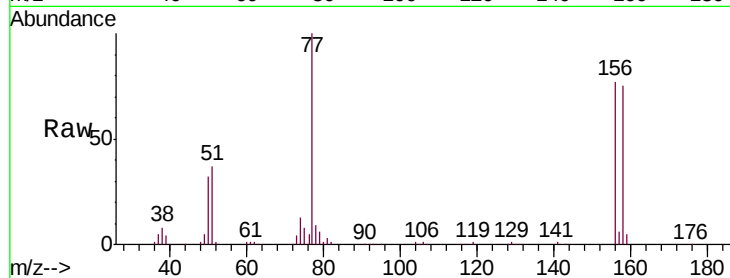
Tgt Ion:156 Resp: 179485

Ion Ratio Lower Upper

156 100

77 129.2 53.1 159.4

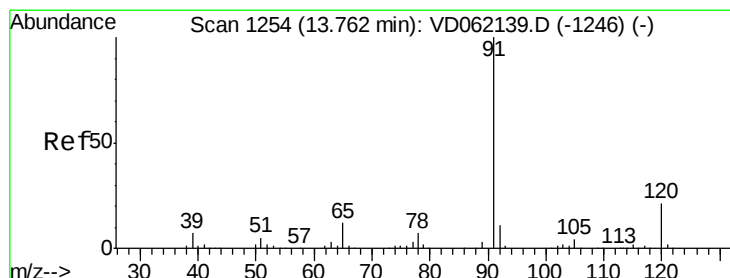
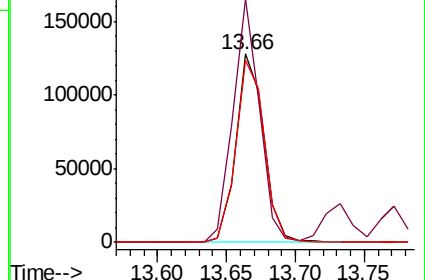
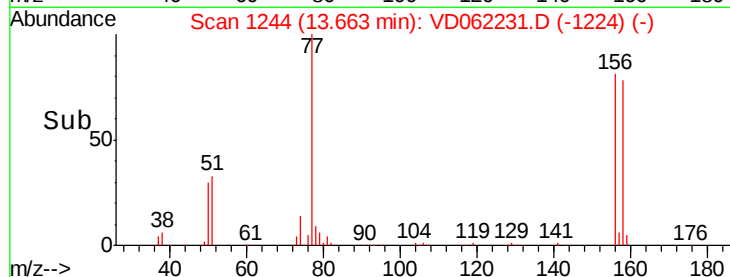
158 96.6 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.927 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062231.D

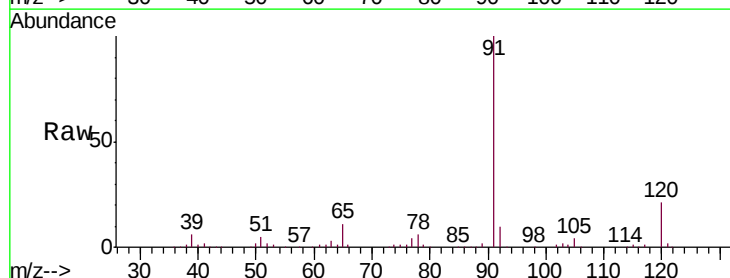
Acq: 11 May 2019 12:23

Tgt Ion: 91 Resp: 789188

Ion Ratio Lower Upper

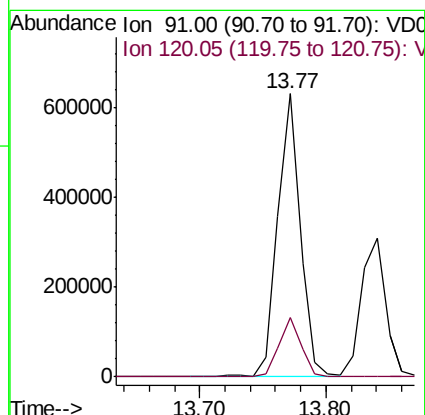
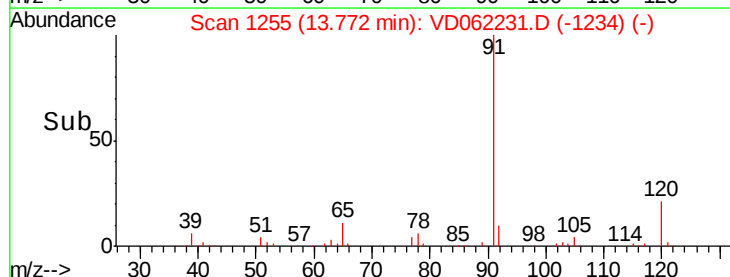
91 100

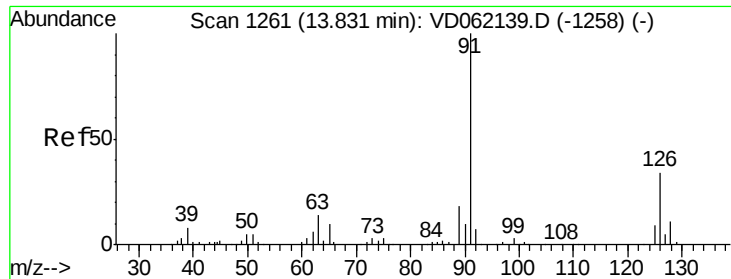
120 21.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

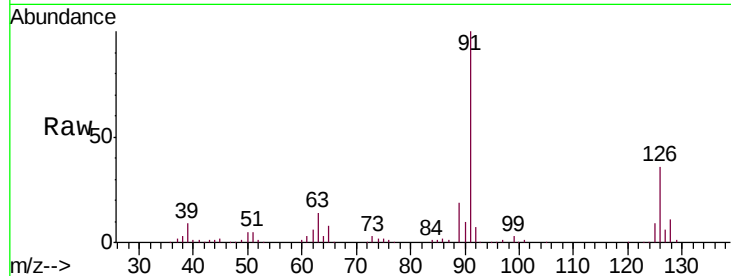




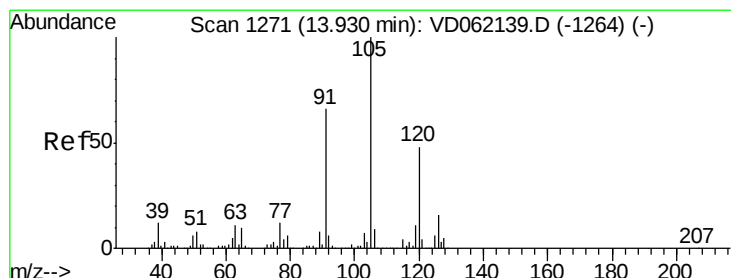
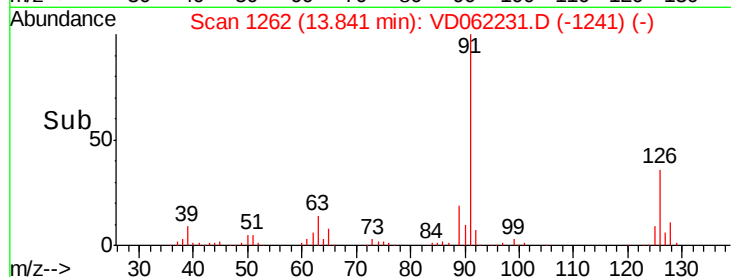
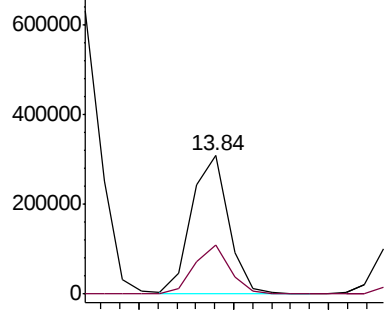
#79
 2-Chlorotoluene
 Concen: 20.163 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

Tgt Ion: 91 Resp: 415632
 Ion Ratio Lower Upper
 91 100
 126 35.6 18.6 55.8

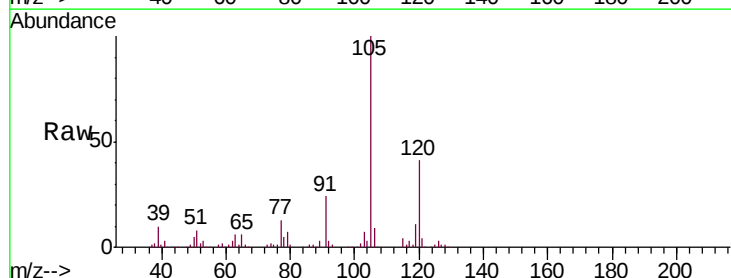


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

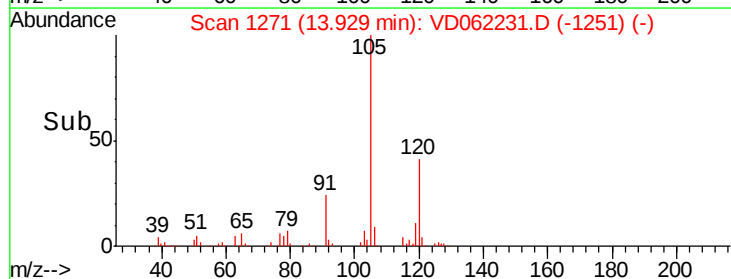
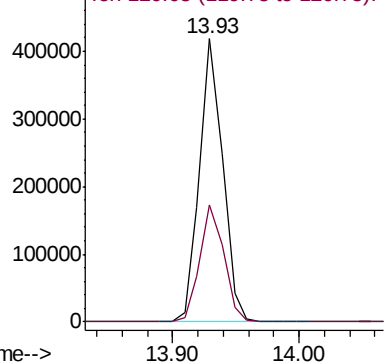


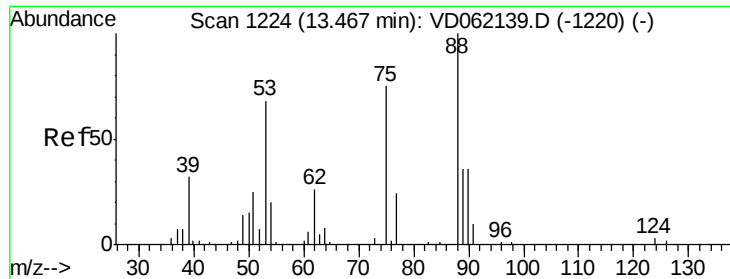
#80
 1,3,5-Trimethylbenzene
 Concen: 20.886 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion: 105 Resp: 530669
 Ion Ratio Lower Upper
 105 100
 120 41.2 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: 17.625 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBSD01

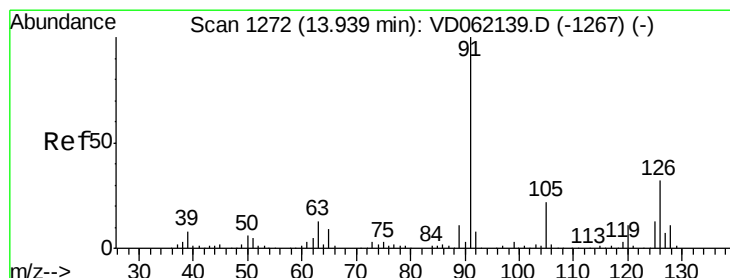
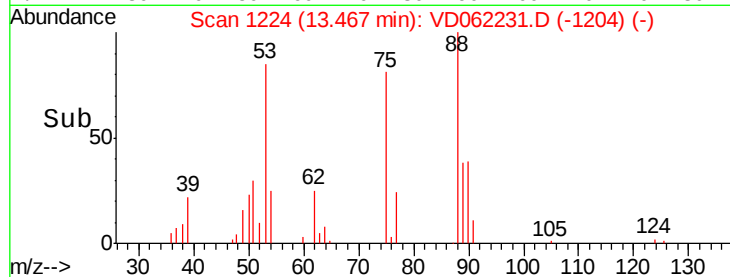
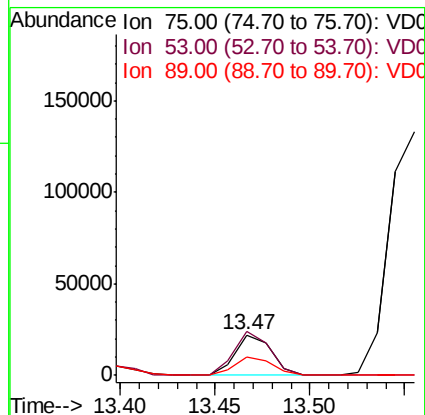
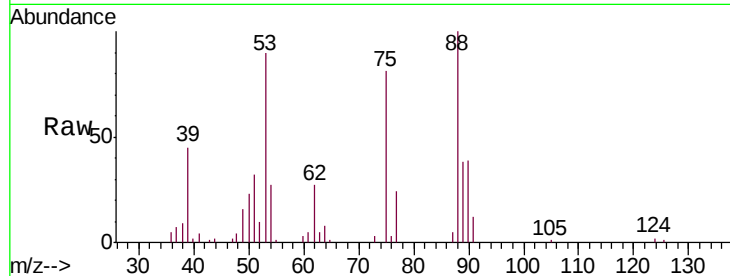
Tgt Ion: 75 Resp: 29764

Ion Ratio Lower Upper

75 100

53 110.3 65.8 98.8#

89 46.3 35.0 52.6



#82

4-Chlorotoluene

Concen: 21.434 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062231.D

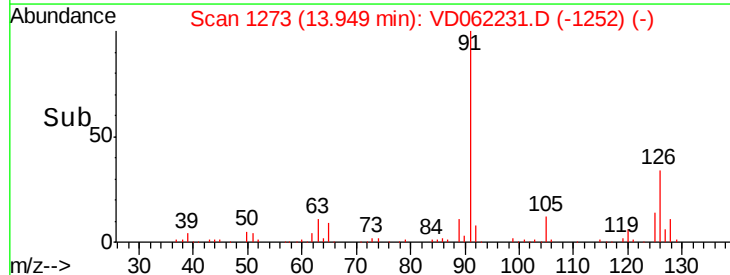
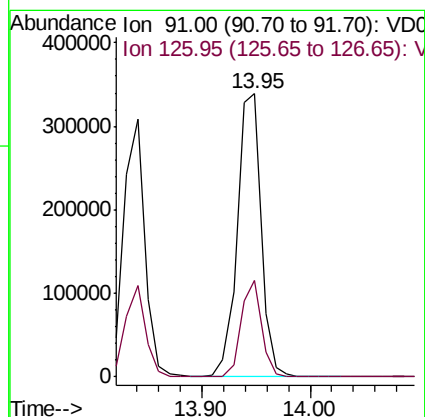
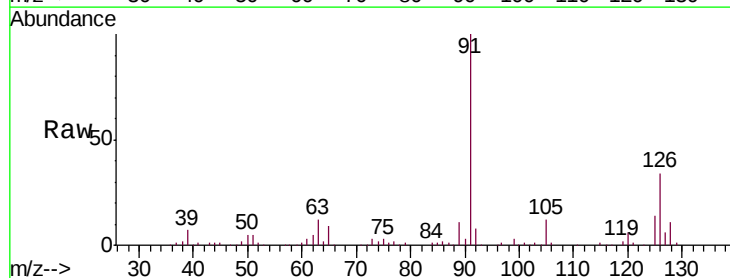
Acq: 11 May 2019 12:23

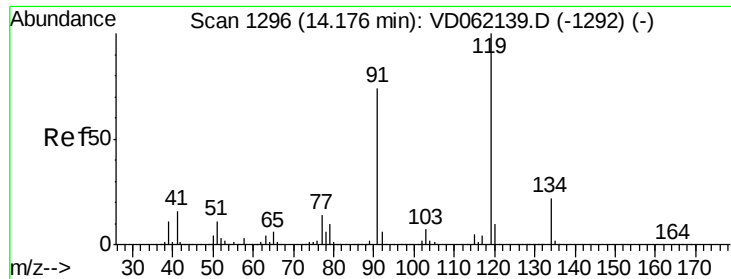
Tgt Ion: 91 Resp: 519926

Ion Ratio Lower Upper

91 100

126 34.0 19.1 57.5

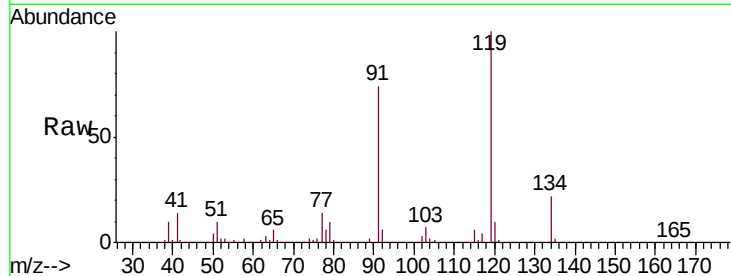




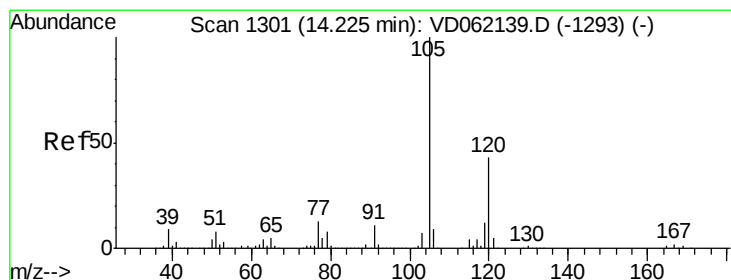
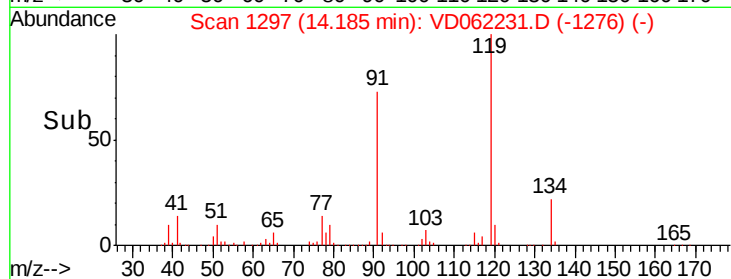
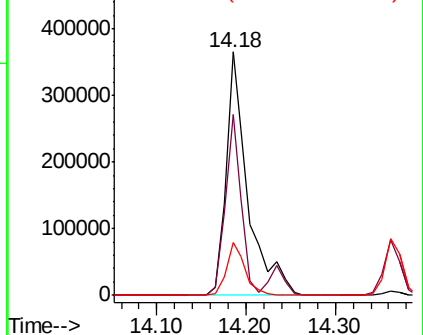
#83
 tert-Butylbenzene
 Concen: 21.921 ug/l
 RT: 14.18 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBS01

Tgt Ion:119 Resp: 626016
 Ion Ratio Lower Upper
 119 100
 91 74.2 34.2 102.6
 134 21.7 12.0 36.0

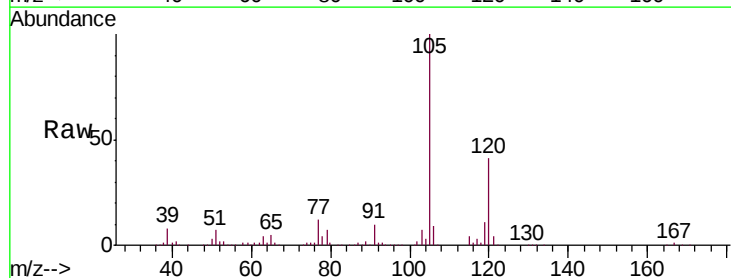


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

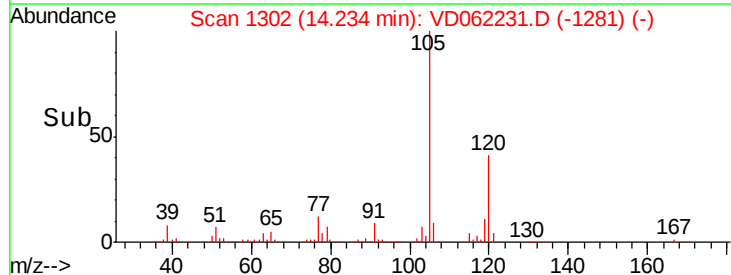
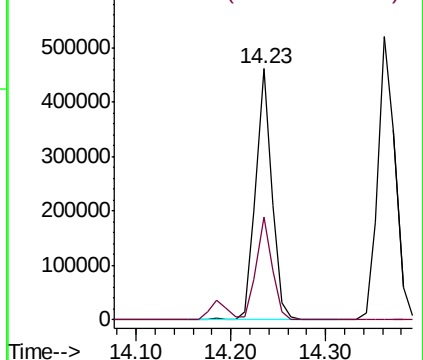


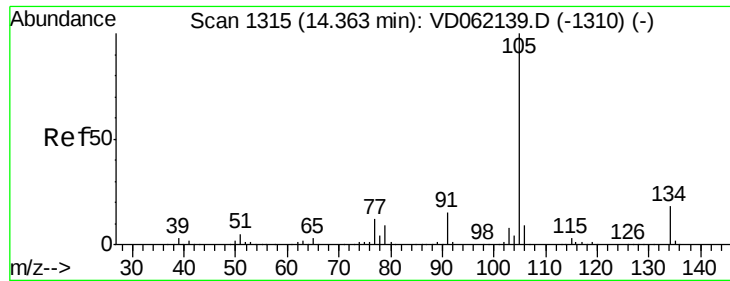
#84
 1,2,4-Trimethylbenzene
 Concen: 21.592 ug/l
 RT: 14.23 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion:105 Resp: 550513
 Ion Ratio Lower Upper
 105 100
 120 41.2 23.1 69.2



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

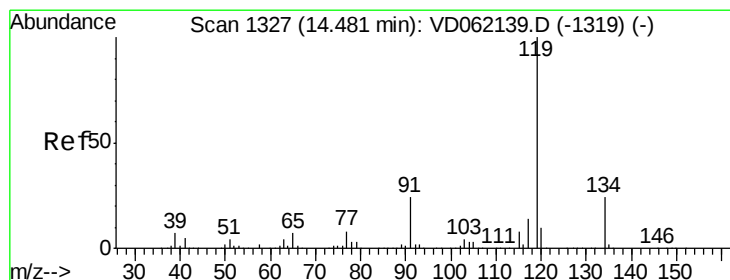
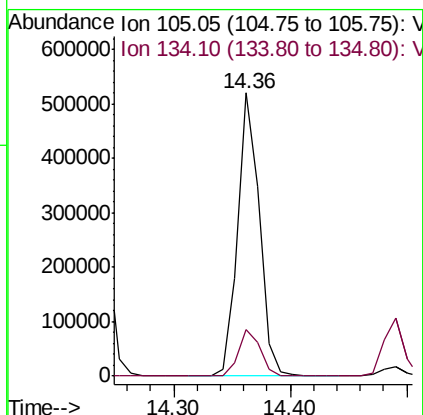
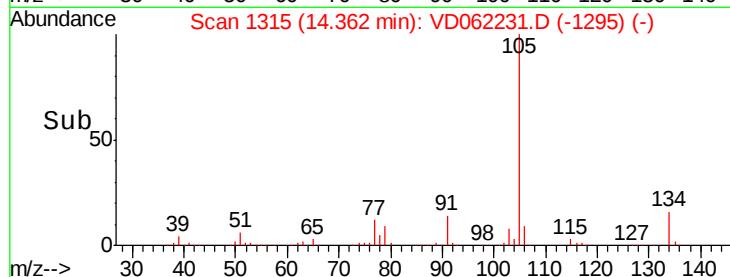
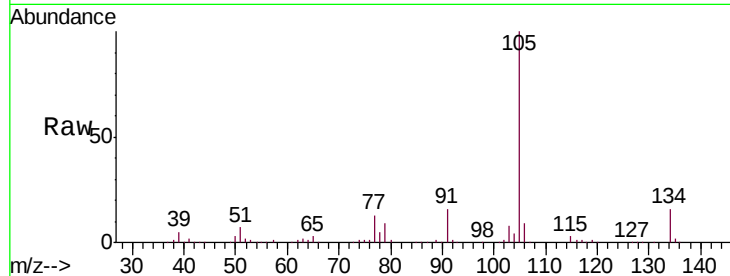




#85
 sec-Butylbenzene
 Concen: 21.361 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

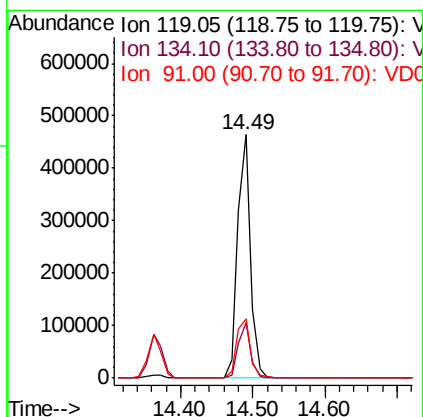
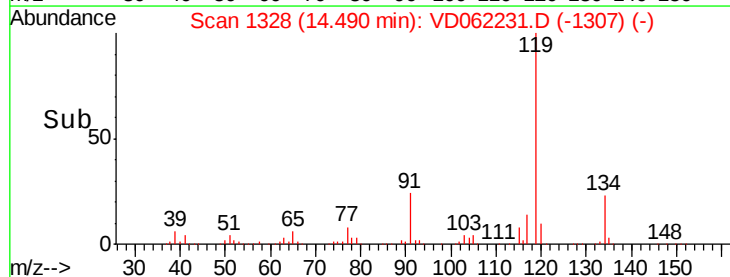
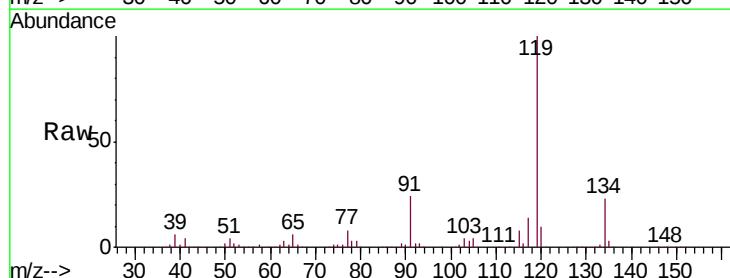
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

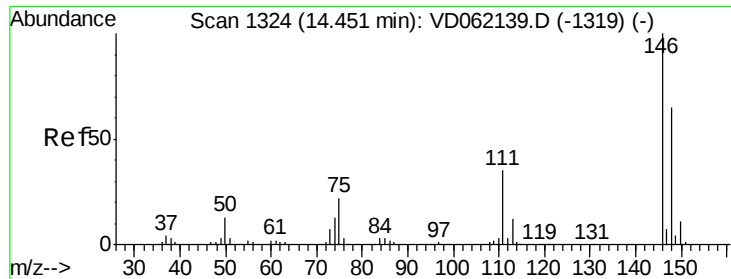
Tgt Ion:105 Resp: 668843
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 20.724 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion:119 Resp: 579736
 Ion Ratio Lower Upper
 119 100
 134 22.9 12.8 38.3
 91 24.4 10.7 32.1

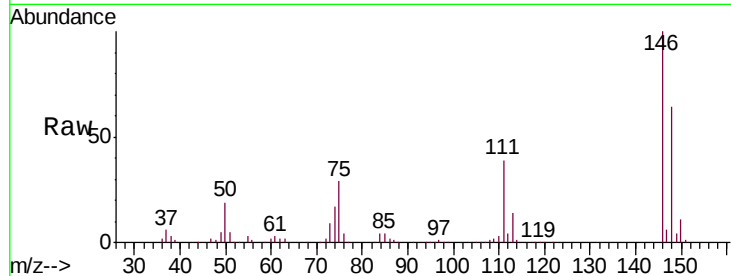




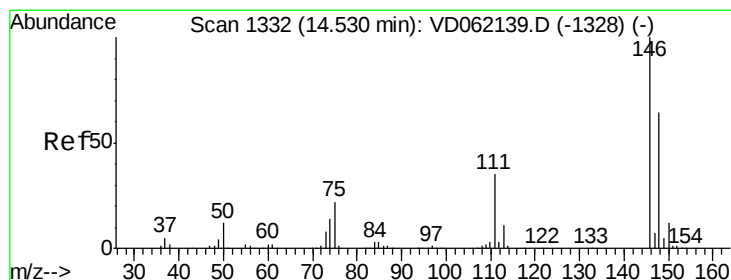
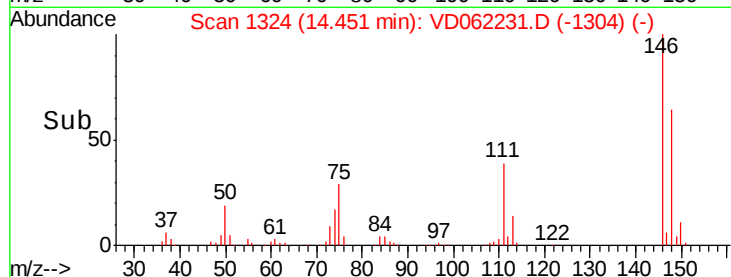
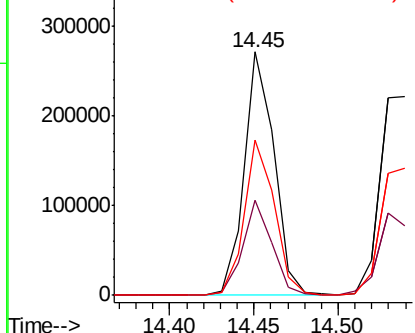
#87
 1,3-Dichlorobenzene
 Concen: 21.660 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

Tgt Ion:146 Resp: 334202
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.0 60.0
 148 63.5 31.8 95.4

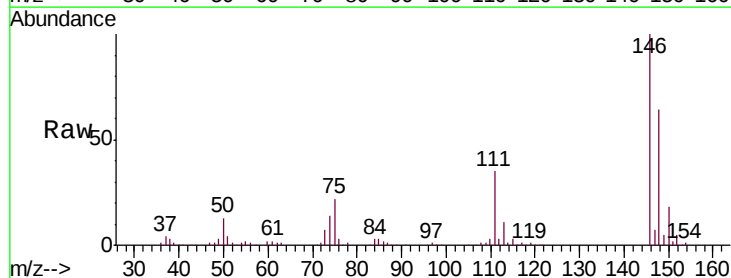


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

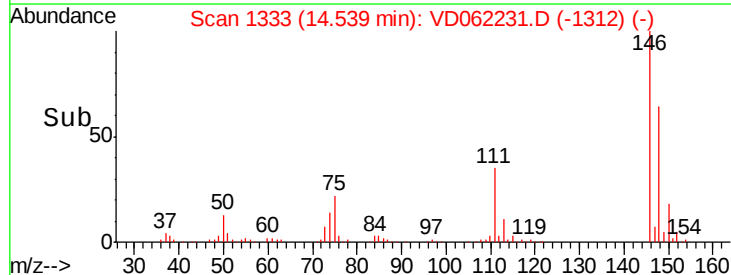
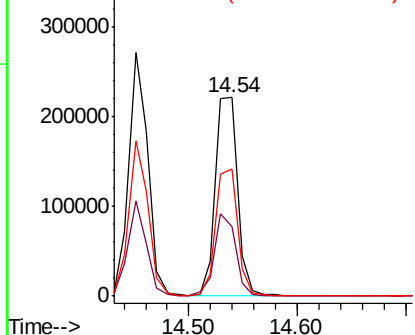


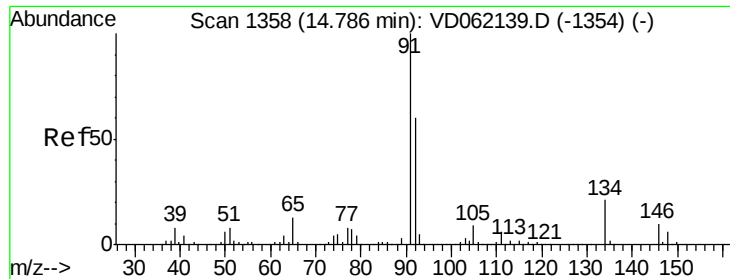
#88
 1,4-Dichlorobenzene
 Concen: 20.997 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion:146 Resp: 318323
 Ion Ratio Lower Upper
 146 100
 111 34.8 20.2 60.5
 148 64.4 32.0 96.2



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





#89

n-Butylbenzene

Concen: 22.314 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062231.D

Acq: 11 May 2019 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBSD01

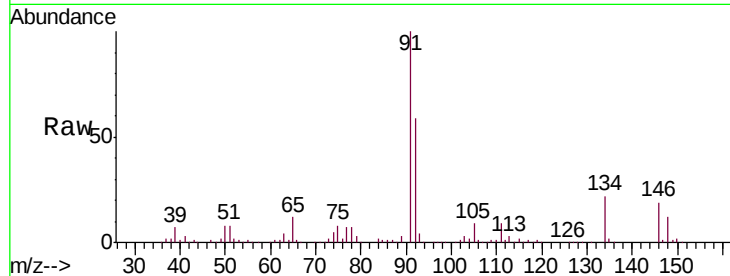
Tgt Ion: 91 Resp: 560292

Ion Ratio Lower Upper

91 100

92 58.9 30.3 91.0

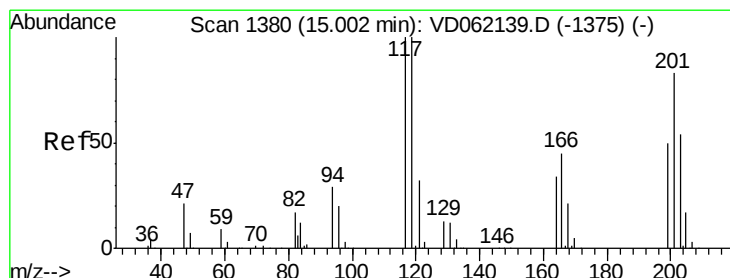
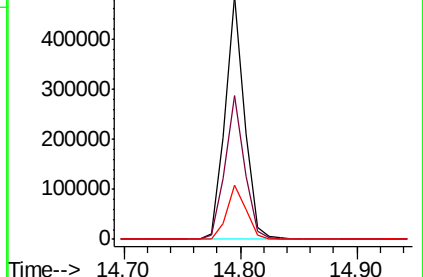
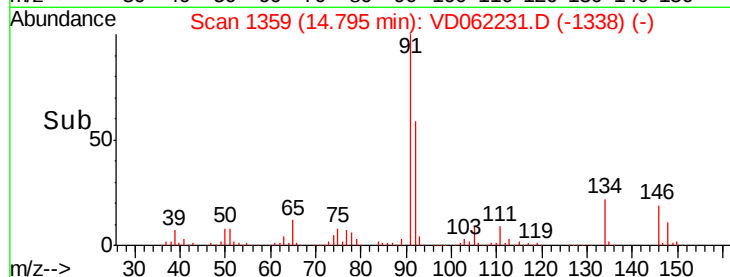
134 22.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 20.298 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062231.D

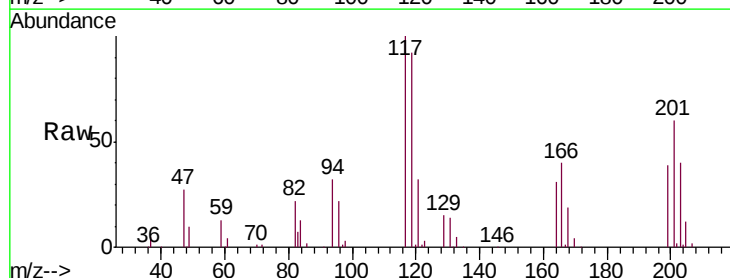
Acq: 11 May 2019 12:23

Tgt Ion: 117 Resp: 154416

Ion Ratio Lower Upper

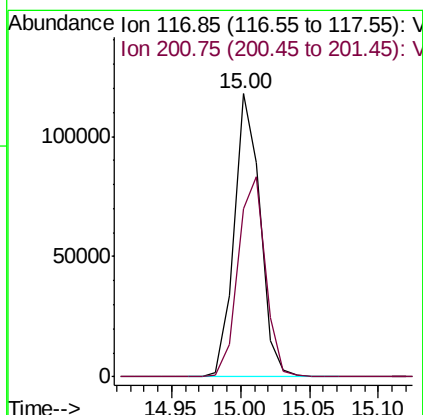
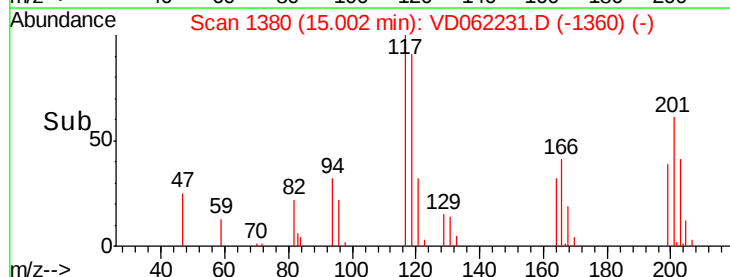
117 100

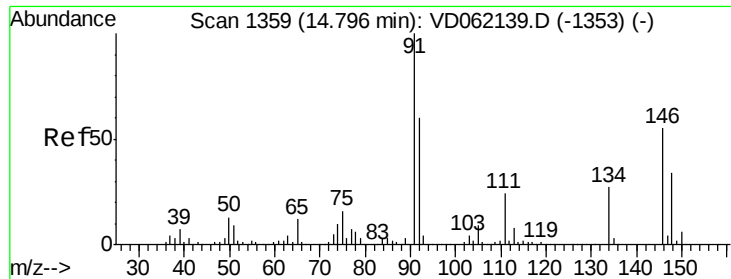
201 59.5 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

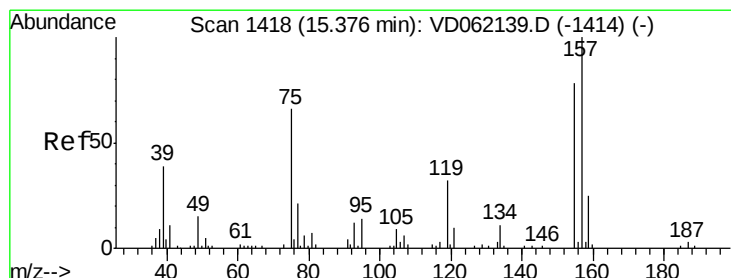
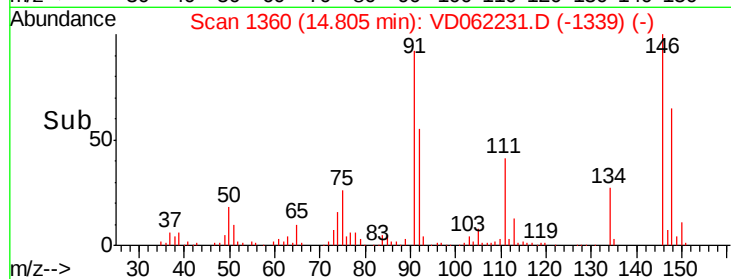
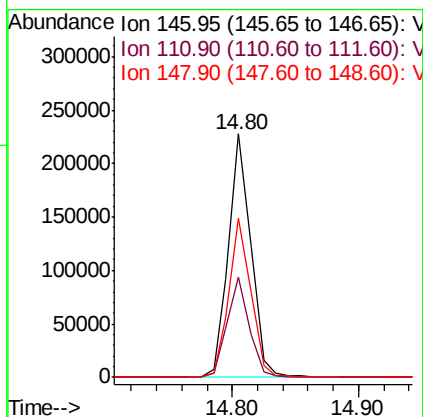
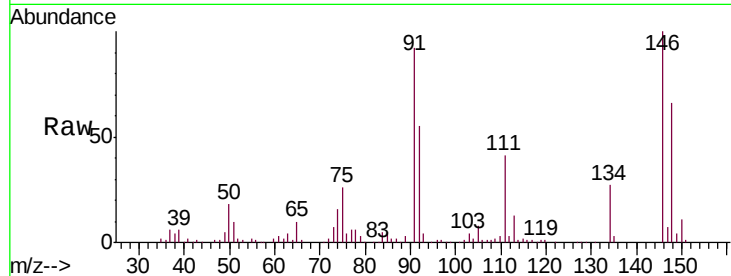




#91
 1,2-Dichlorobenzene
 Concen: 21.975 ug/l
 RT: 14.80 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

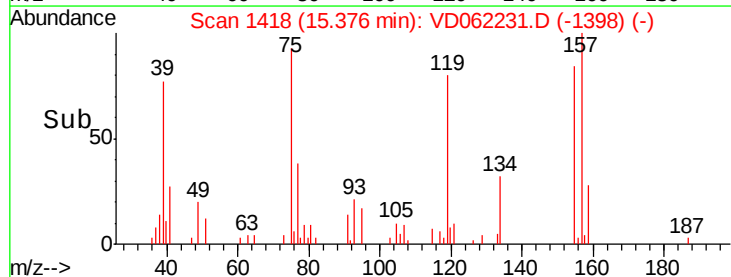
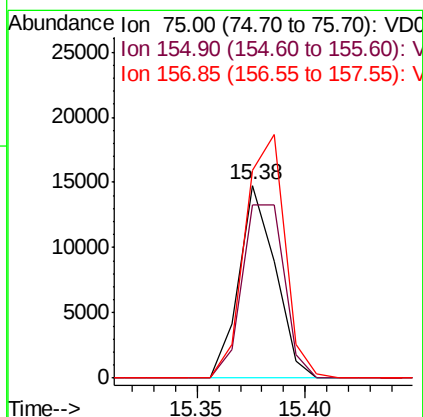
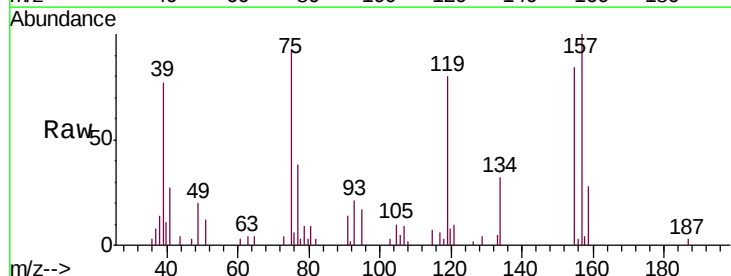
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

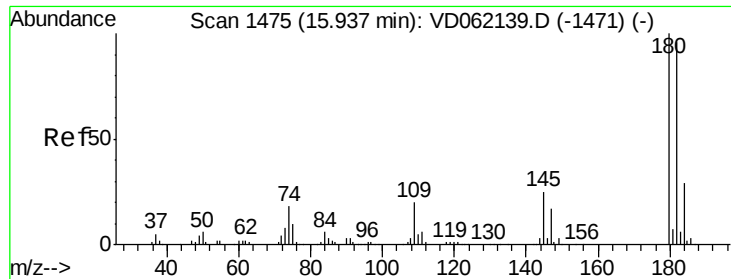
Tgt Ion: 146 Resp: 279240
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.0 59.9
 148 65.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.404 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion: 75 Resp: 17256
 Ion Ratio Lower Upper
 75 100
 155 90.1 55.3 165.8
 157 107.8 67.8 203.2

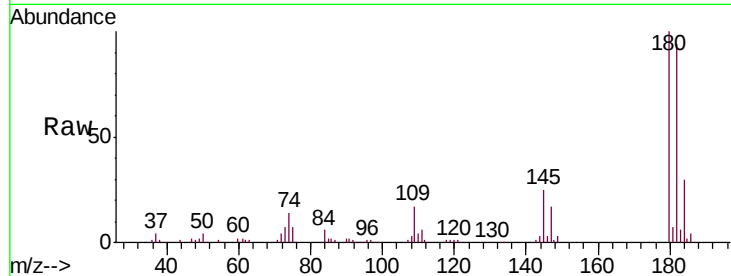




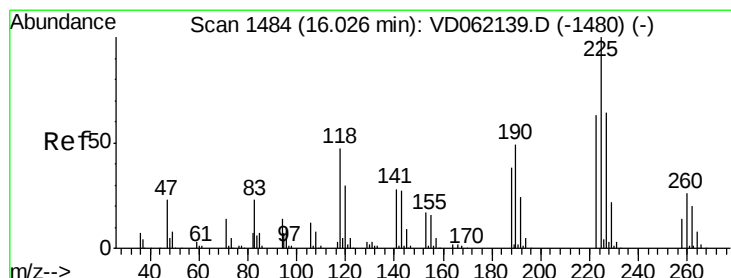
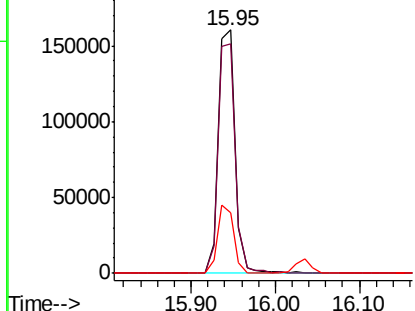
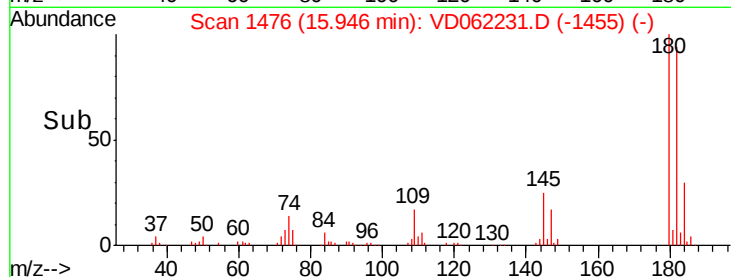
#93
 1,2,4-Trichlorobenzene
 Concen: 24.127 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBSD01

Tgt Ion:180 Resp: 223150
 Ion Ratio Lower Upper
 180 100
 182 94.4 49.3 147.8
 145 25.0 16.2 48.6

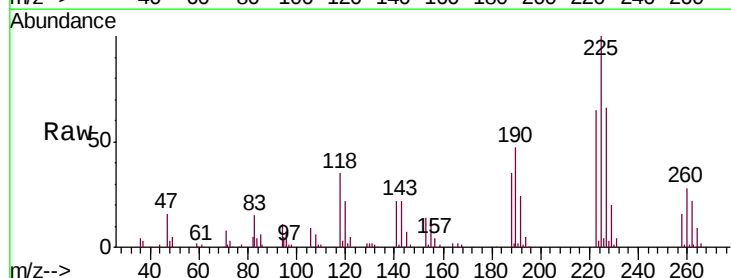


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

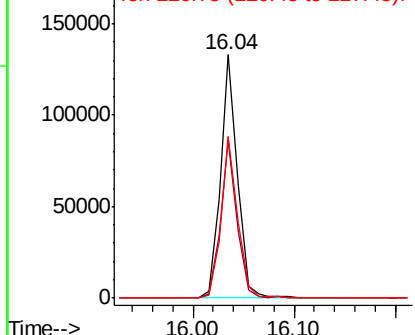
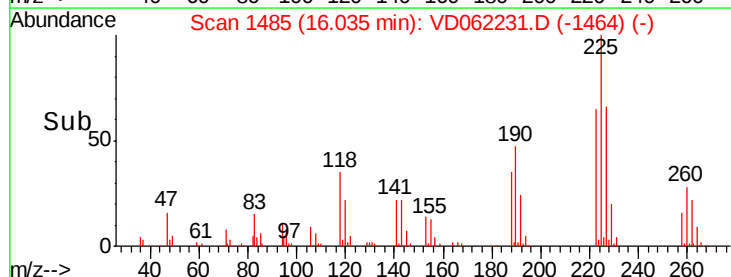


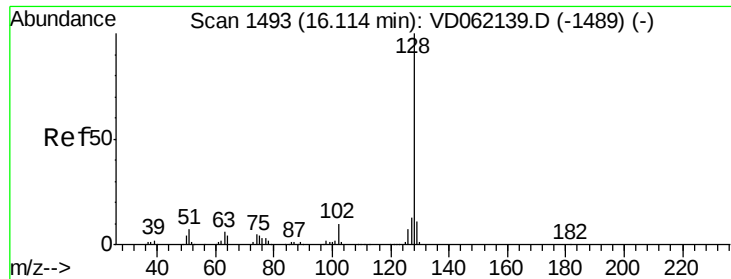
#94
 Hexachlorobutadiene
 Concen: 22.629 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062231.D
 Acq: 11 May 2019 12:23

Tgt Ion:225 Resp: 155664
 Ion Ratio Lower Upper
 225 100
 223 64.6 30.6 92.0
 227 66.5 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

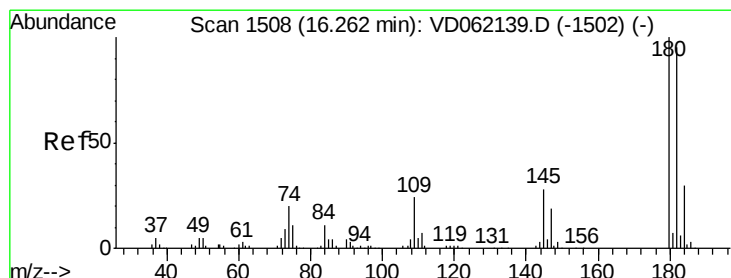
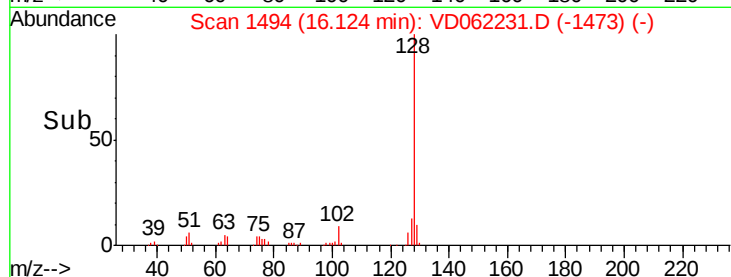
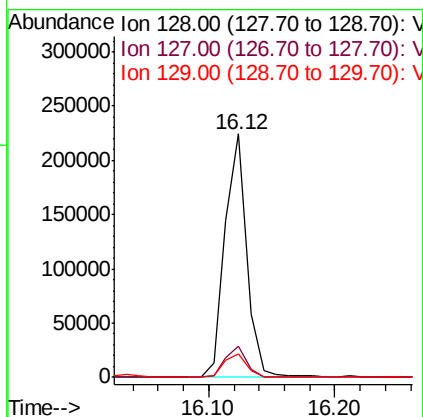
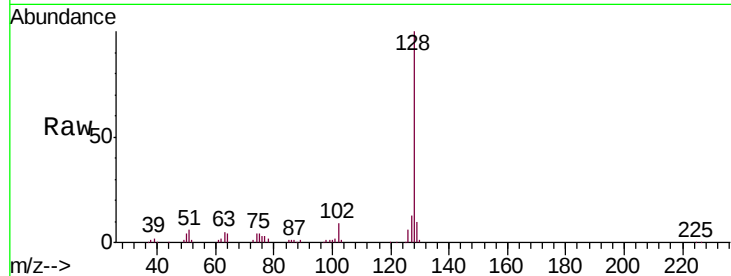




#95
Naphthalene
Concen: 20.819 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBSD01

Tgt Ion:128 Resp: 268829
Ion Ratio Lower Upper
128 100
127 13.0 9.8 14.8
129 9.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.510 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062231.D
Acq: 11 May 2019 12:23

Tgt Ion:180 Resp: 154161
Ion Ratio Lower Upper
180 100
182 96.9 47.0 141.0
145 26.5 17.0 51.0

