

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD052019\
 Data File : VD062459.D
 Acq On : 20 May 2019 16:37
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: May 20 17:00:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 20 16:04:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	730893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1032523	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	849408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	415196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	775427	114.16	ug/l	0.02
Spiked Amount	50.000		Recovery	=	228.32%	
35) Dibromofluoromethane	6.95	113	930626	108.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.26%	
50) Toluene-d8	10.43	98	2038484	98.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.38%	
62) 4-Bromofluorobenzene	13.56	95	865793	104.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	660132	94.435	ug/l	98
3) Chloromethane	1.75	50	426062	84.351	ug/l	96
4) Vinyl Chloride	1.85	62	481710	97.039	ug/l	98
5) Bromomethane	2.16	94	208173	178.971	ug/l	97
6) Chloroethane	2.26	64	237903	114.212	ug/l	99
7) Trichlorofluoromethane	2.53	101	1080398	111.948	ug/l	97
8) Diethyl Ether	2.88	74	151398	81.341	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.16	101	707229	96.873	ug/l	97
10) Methyl Iodide	3.32	142	1115209	101.071	ug/l #	87
11) Tert butyl alcohol	4.11	59	167788	483.945	ug/l #	95
12) 1,1-Dichloroethene	3.14	96	533889	95.800	ug/l	91
13) Acrolein	3.05	56	126291	352.175	ug/l	88
14) Allyl chloride	3.63	41	765339	94.451	ug/l #	77
15) Acrylonitrile	4.22	53	379557	416.497	ug/l #	82
16) Acetone	3.24	43	633336	444.629	ug/l #	82
17) Carbon Disulfide	3.39	76	1680272	104.810	ug/l	99
18) Methyl Acetate	3.66	43	228129	81.655	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	1168724	97.840	ug/l	92
20) Methylene Chloride	3.83	84	553459	93.058	ug/l	90
21) trans-1,2-Dichloroethene	4.23	96	602739	97.194	ug/l	88
22) Diisopropyl ether	5.15	45	1675737	97.183	ug/l	93
23) Vinyl Acetate	5.09	43	5022950	552.117	ug/l	97
24) 1,1-Dichloroethane	5.01	63	1129122	108.547	ug/l	99
25) 2-Butanone	6.10	43	703041	452.497	ug/l	93
26) 2,2-Dichloropropane	6.04	77	1143472	110.356	ug/l	94
27) cis-1,2-Dichloroethene	6.06	96	703958	101.414	ug/l	96
28) Bromochloromethane	6.47	49	386228	94.374	ug/l	94
29) Tetrahydrofuran	6.49	42	325049	454.056	ug/l	98
30) Chloroform	6.68	83	1350423	107.720	ug/l	98
31) Cyclohexane	6.98	56	757712	106.323	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	1375275	116.065	ug/l	98
36) 1,1-Dichloropropene	7.17	75	901946	106.541	ug/l	95
37) Ethyl Acetate	6.21	43	347976	96.924	ug/l #	93
38) Carbon Tetrachloride	7.14	117	1434786	122.450	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	803960	99.117	ug/l	95
40) Benzene	7.48	78	1871617	97.906	ug/l	99
41) Methacrylonitrile	6.47	41	429917	97.989	ug/l #	86
42) 1,2-Dichloroethane	7.60	62	953869	117.771	ug/l	94
43) Isopropyl Acetate	9.26	43	497017	97.613	ug/l #	92
44) Trichloroethene	8.56	130	772667	106.070	ug/l	89
45) 1,2-Dichloropropane	8.96	63	470761	99.558	ug/l	99
46) Dibromomethane	9.08	93	407794	106.054	ug/l	94
47) Bromodichloromethane	9.40	83	1075041	114.301	ug/l	96
48) Methyl methacrylate	9.14	41	323851	103.260	ug/l	85
49) 1,4-Dioxane	9.10	88	61154	1807.209	ug/l #	88
51) 4-Methyl-2-Pentanone	10.32	43	1594975	487.315	ug/l	92
52) Toluene	10.52	92	1272475	102.305	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	913520	112.380	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	946476	106.730	ug/l #	87
55) 1,1,2-Trichloroethane	11.21	97	421443	95.764	ug/l	96
56) Ethyl methacrylate	11.06	69	460668	100.733	ug/l #	88
57) 1,3-Dichloropropane	11.43	76	688034	103.485	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.88	63	1079020	431.951	ug/l	98
59) 2-Hexanone	11.55	43	1136643	471.184	ug/l	91
60) Dibromochloromethane	11.70	129	836731	110.015	ug/l	99
61) 1,2-Dibromoethane	11.82	107	523652	97.871	ug/l	97
64) Tetrachloroethene	11.28	164	696178	104.814	ug/l	97
65) Chlorobenzene	12.41	112	1609056	101.707	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	705101	102.407	ug/l	95
67) Ethyl Benzene	12.54	91	2634407	99.465	ug/l	96
68) m/p-Xylenes	12.69	106	1997819	207.325	ug/l	96
69) o-Xylene	13.06	106	954614	106.558	ug/l	86
70) Styrene	13.08	104	1587092	104.579	ug/l	93
71) Bromoform	13.25	173	498651	104.095	ug/l #	98
73) Isopropylbenzene	13.41	105	2612231	104.959	ug/l	98
74) N-amyl acetate	13.28	43	678371	103.962	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	469940	99.740	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	508190	102.992	ug/l	99
77) Bromobenzene	13.68	156	736414	105.699	ug/l	95
78) n-propylbenzene	13.79	91	3297843	111.081	ug/l	100
79) 2-Chlorotoluene	13.85	91	1891173	111.224	ug/l	90
80) 1,3,5-Trimethylbenzene	13.95	105	2375589	113.351	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	143544	103.049	ug/l #	71
82) 4-Chlorotoluene	13.96	91	2151126	107.510	ug/l	86
83) tert-Butylbenzene	14.20	119	2674072	113.518	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	2417180	114.933	ug/l	95
85) sec-Butylbenzene	14.38	105	2755626	106.694	ug/l	100
86) p-Isopropyltoluene	14.50	119	2365630	102.518	ug/l	92
87) 1,3-Dichlorobenzene	14.47	146	1292218	101.532	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	1236558	98.882	ug/l	99
89) n-Butylbenzene	14.80	91	2308241	111.446	ug/l	94
90) Hexachloroethane	15.02	117	735890	117.268	ug/l	76
91) 1,2-Dichlorobenzene	14.82	146	1133516	108.143	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	96074	124.219	ug/l	94

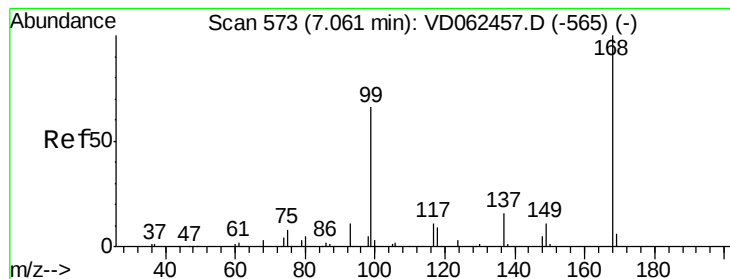
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD052019\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	930602	121.979	ug/l	97
94) Hexachlorobutadiene	16.04	225	691749	121.908	ug/l	98
95) Naphthalene	16.13	128	1285505	120.691	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	744227	155.151	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

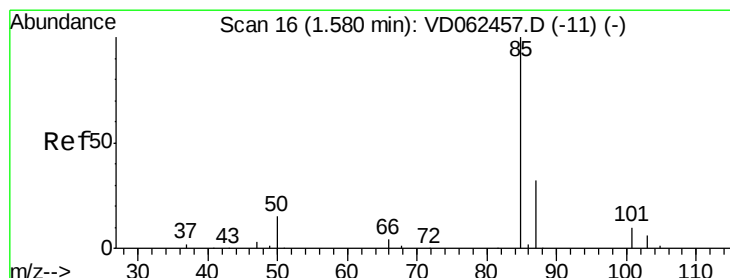
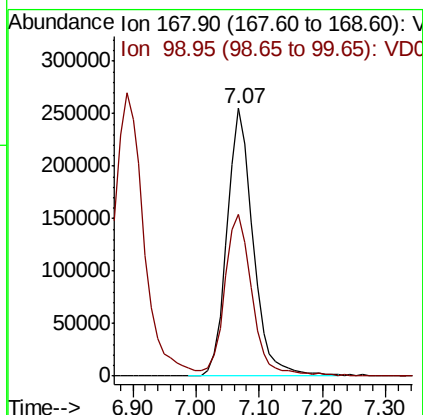
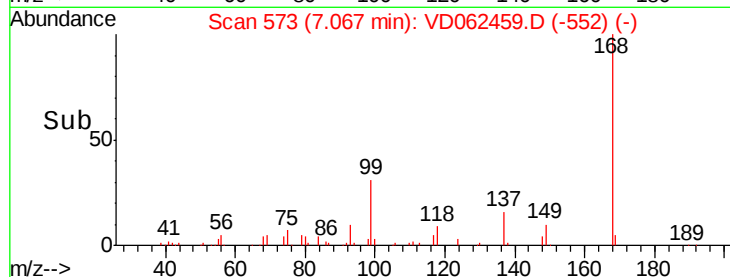
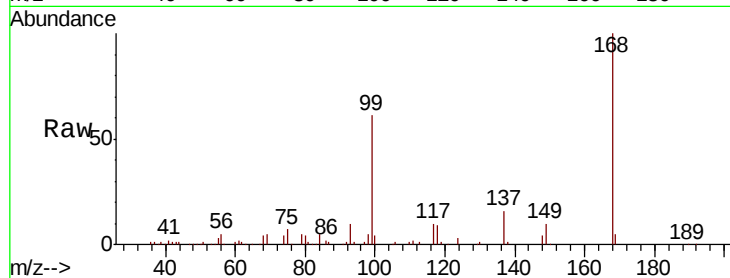
VSTDIC100

Tgt Ion:168 Resp: 730893

Ion Ratio Lower Upper

168 100

99 60.5 46.5 69.7



#2

Dichlorodifluoromethane

Concen: 94.435 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062459.D

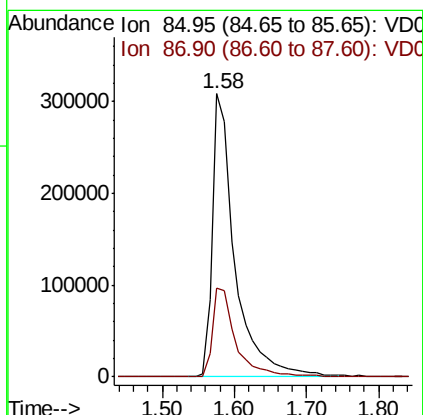
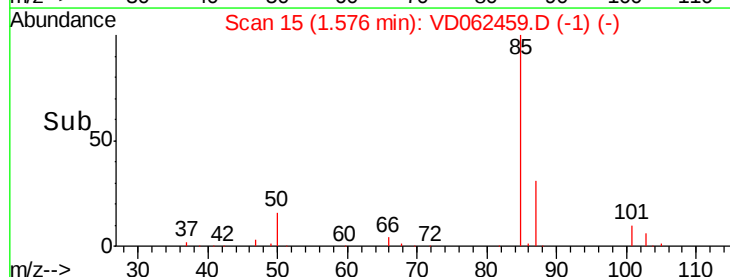
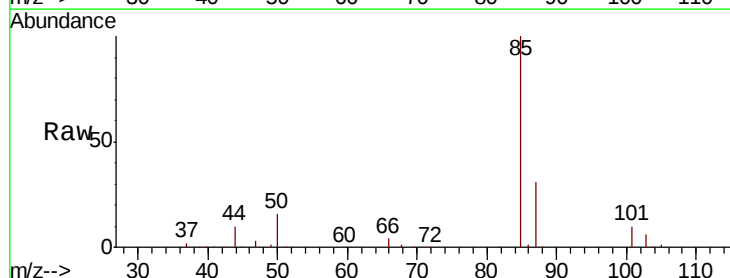
Acq: 20 May 2019 16:37

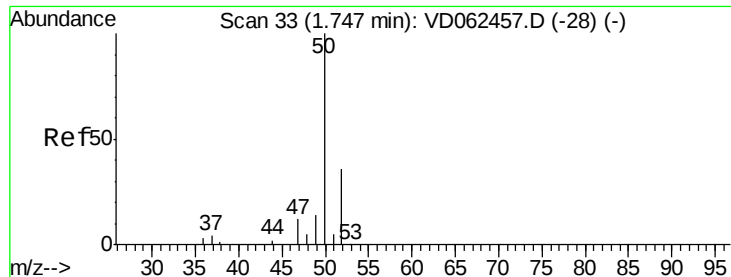
Tgt Ion: 85 Resp: 660132

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.6





#3

Chloromethane

Concen: 84.351 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

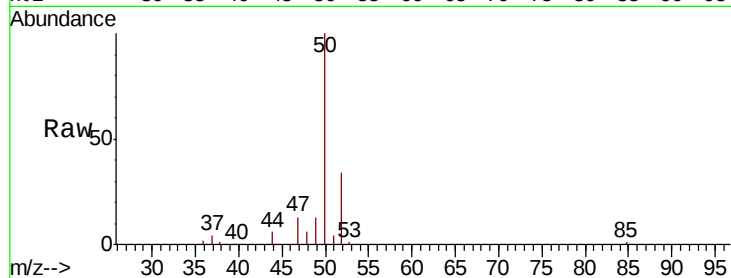
VSTDIC100

Tgt Ion: 50 Resp: 426062

Ion Ratio Lower Upper

50 100

52 33.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

150000

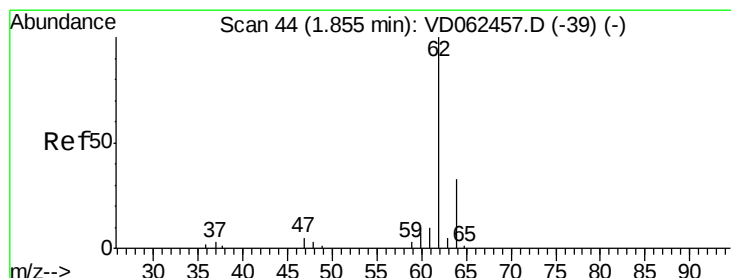
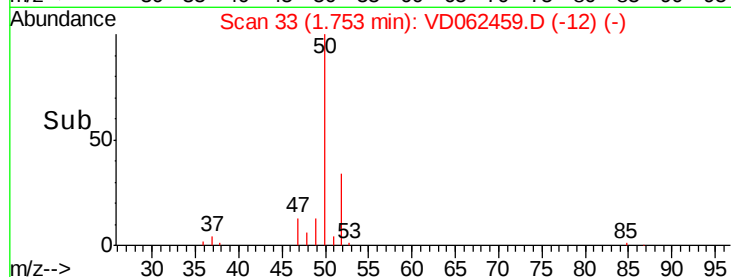
100000

50000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 97.039 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062459.D

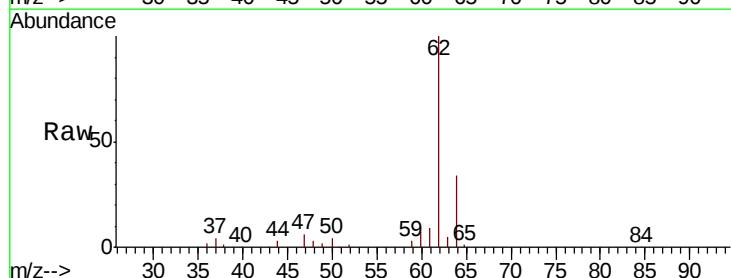
Acq: 20 May 2019 16:37

Tgt Ion: 62 Resp: 481710

Ion Ratio Lower Upper

62 100

64 34.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

250000

200000

150000

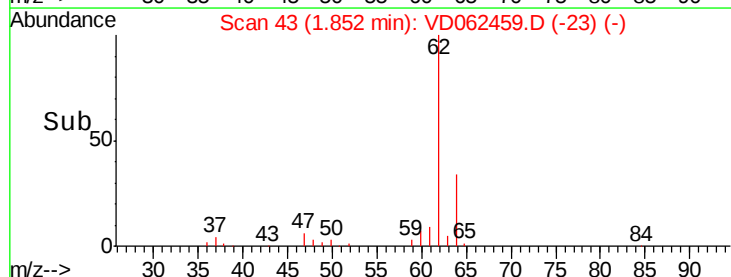
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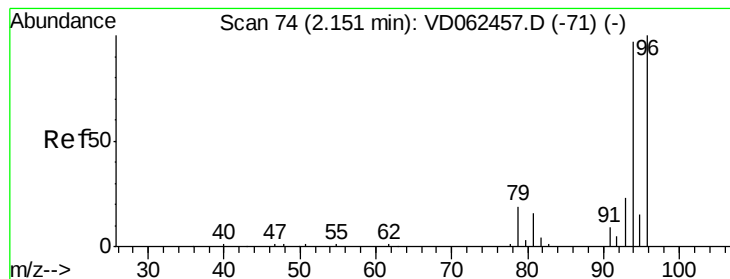
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 178.971 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

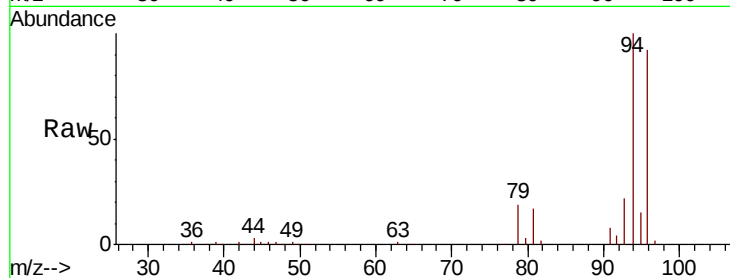
Tgt Ion: 94 Resp: 208173

Ion Ratio Lower Upper

94 100

96 92.0 76.6 115.0

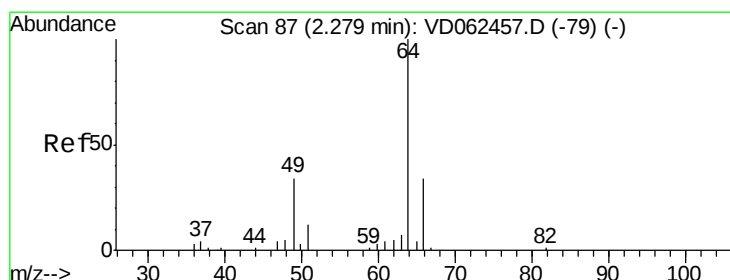
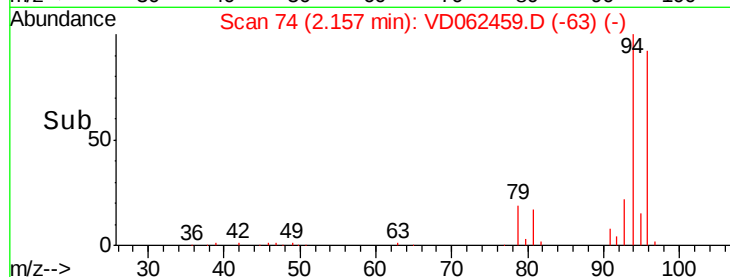
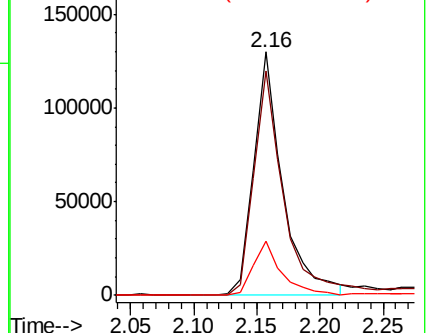
93 22.4 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 114.212 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062459.D

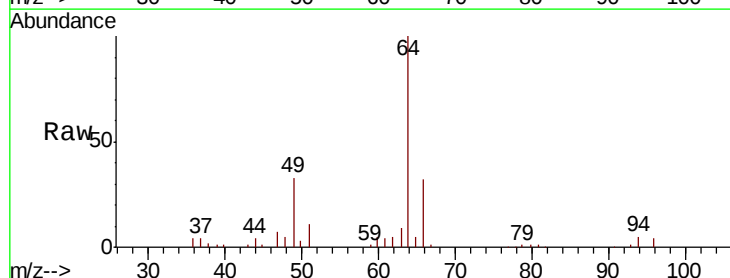
Acq: 20 May 2019 16:37

Tgt Ion: 64 Resp: 237903

Ion Ratio Lower Upper

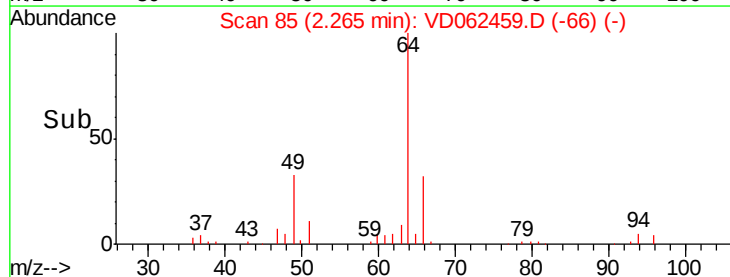
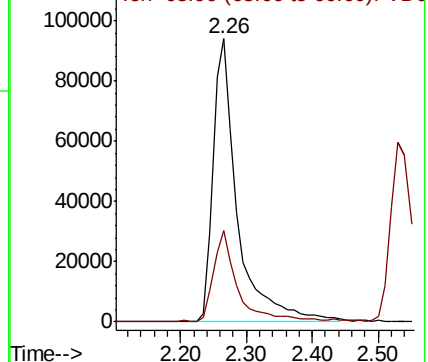
64 100

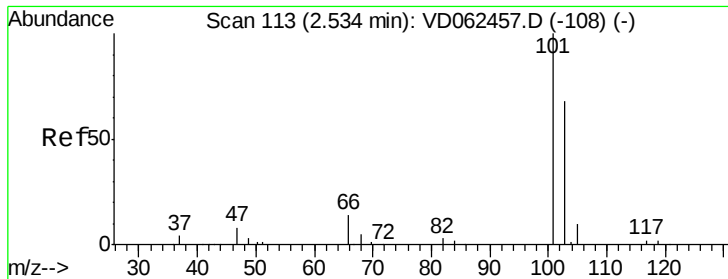
66 32.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



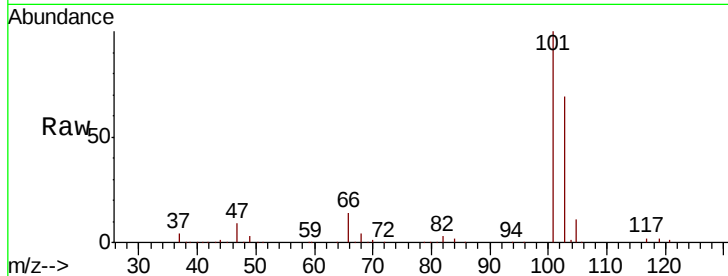


#7

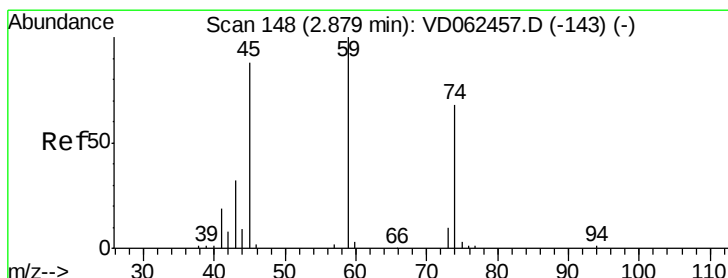
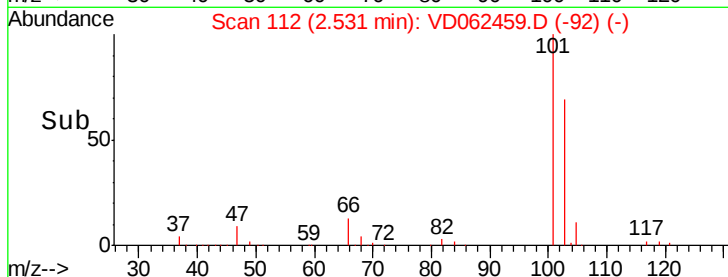
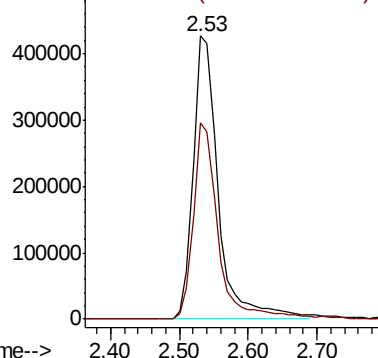
Trichlorofluoromethane
 Concen: 111.948 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 101 Resp: 1080398
 Ion Ratio Lower Upper
 101 100
 103 69.4 53.6 80.4



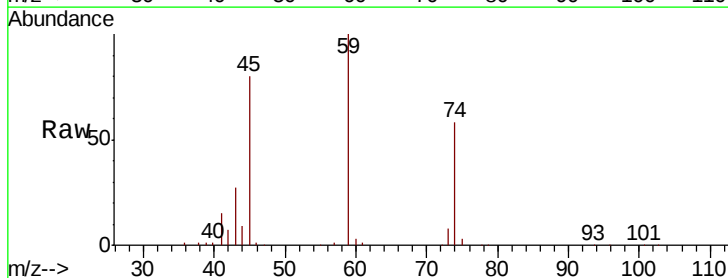
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



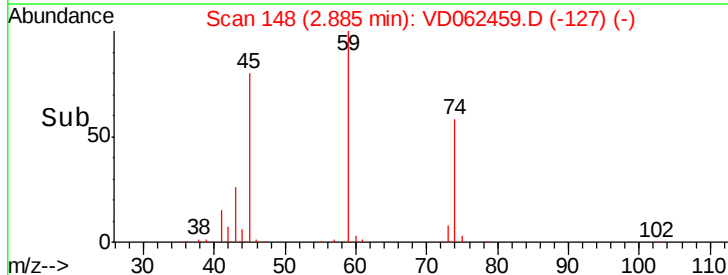
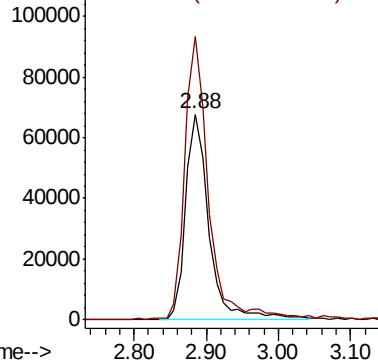
#8

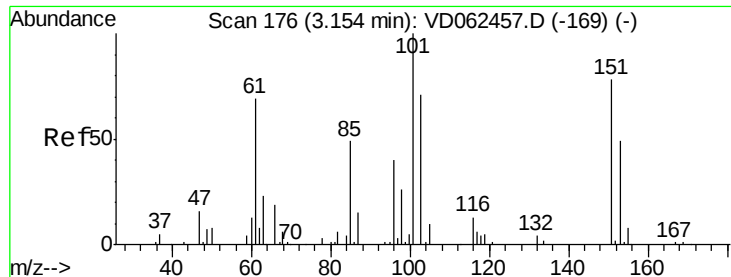
Diethyl Ether
 Concen: 81.341 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion: 74 Resp: 151398
 Ion Ratio Lower Upper
 74 100
 45 137.6 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.873 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

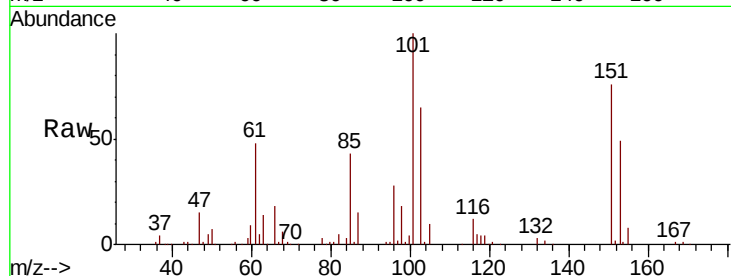
Tgt Ion:101 Resp: 707229

Ion Ratio Lower Upper

101 100

85 43.3 32.4 48.6

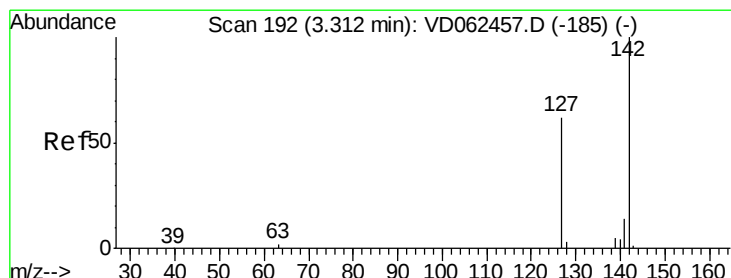
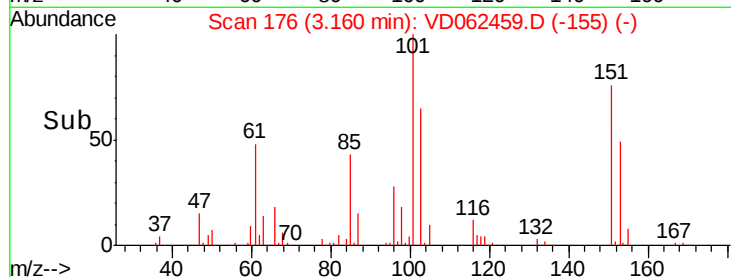
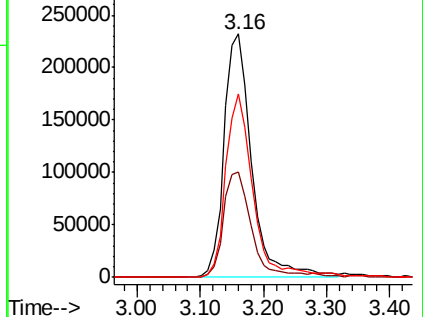
151 75.6 59.4 89.0



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: 101.071 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

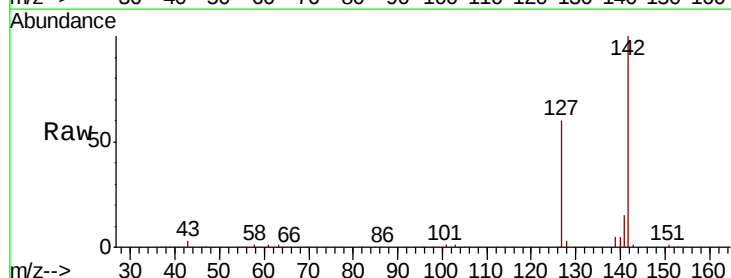
Tgt Ion:142 Resp: 1115209

Ion Ratio Lower Upper

142 100

127 59.8 38.8 58.2#

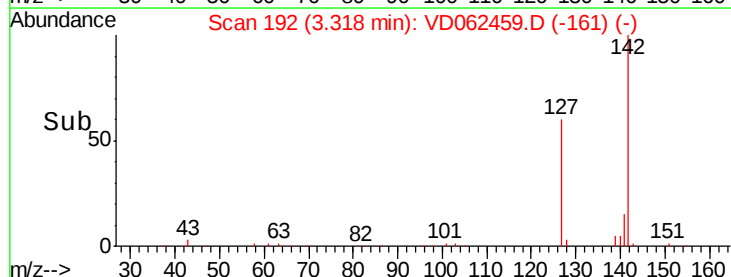
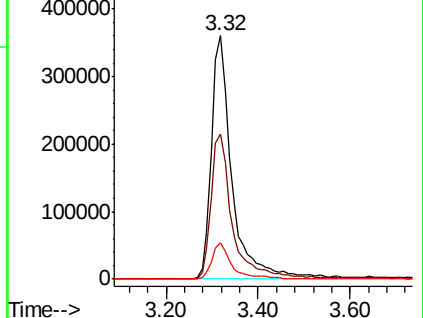
141 14.7 11.4 17.0

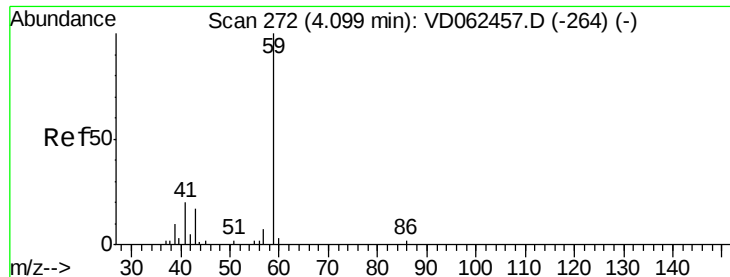


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



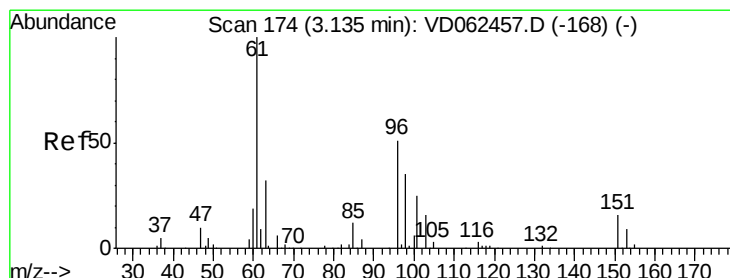
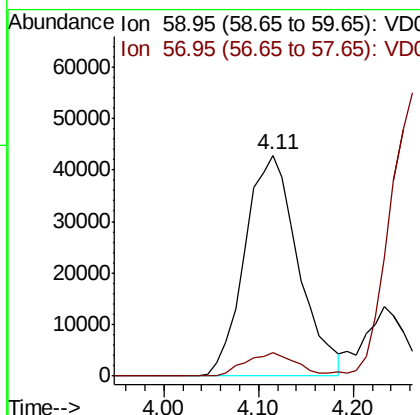
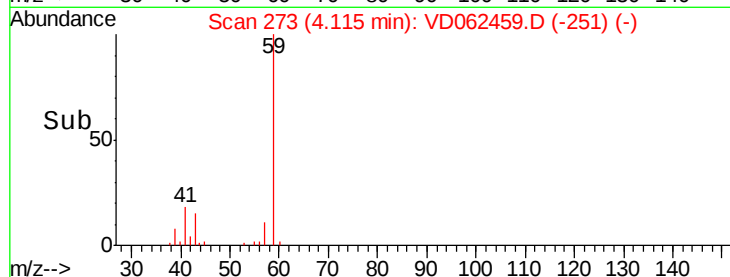
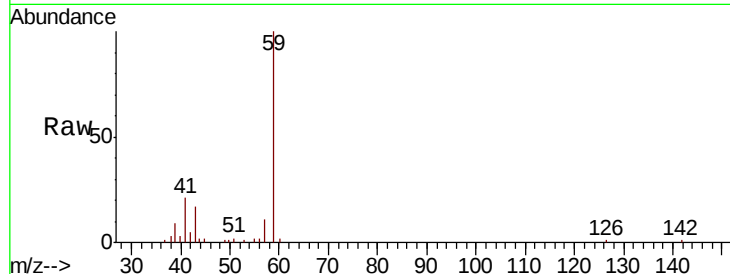


#11

Tert butyl alcohol
 Concen: 483.945 ug/l
 RT: 4.11 min Scan# 273
 Delta R.T. 0.02 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

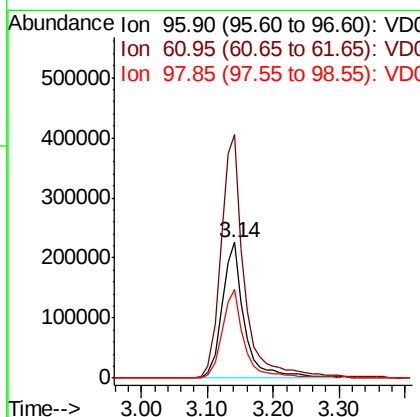
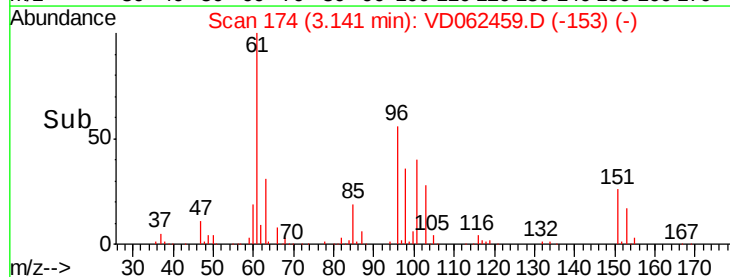
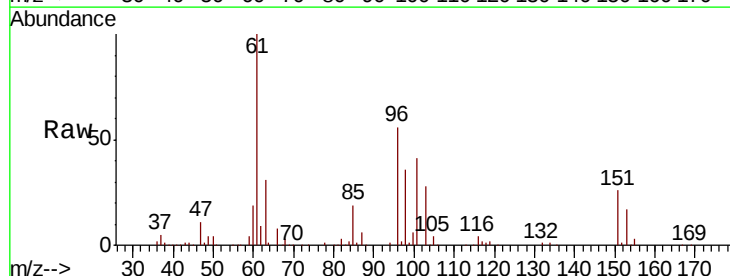
Tgt Ion: 59 Resp: 167788
 Ion Ratio Lower Upper
 59 100
 57 10.5 6.9 10.3#

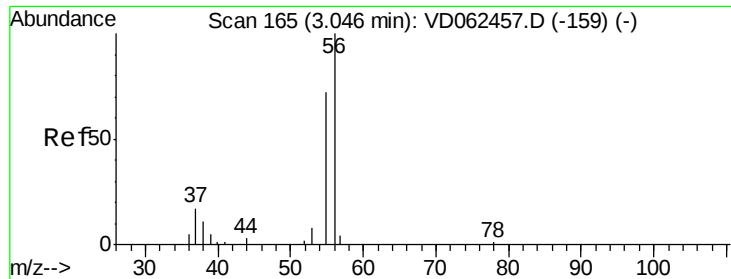


#12

1,1-Dichloroethene
 Concen: 95.800 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion: 96 Resp: 533889
 Ion Ratio Lower Upper
 96 100
 61 179.0 129.8 194.8
 98 64.8 51.2 76.8





#13

Acrolein

Concen: 352.175 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

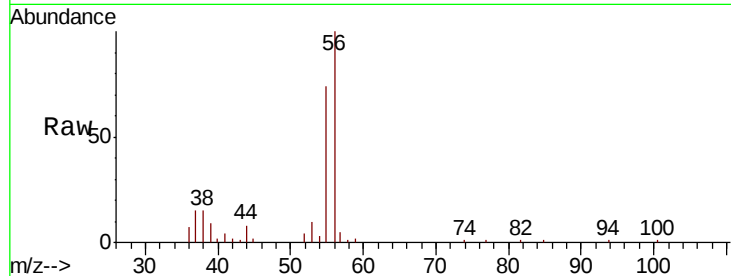
VSTDIC100

Tgt Ion: 56 Resp: 126291

Ion Ratio Lower Upper

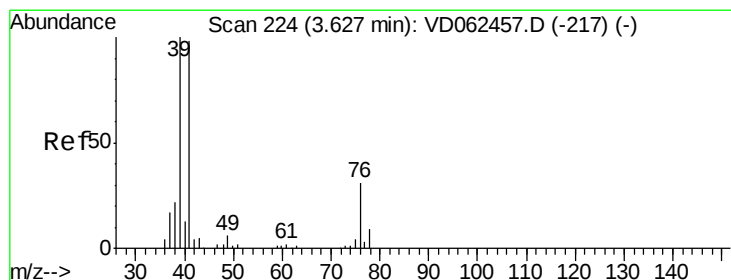
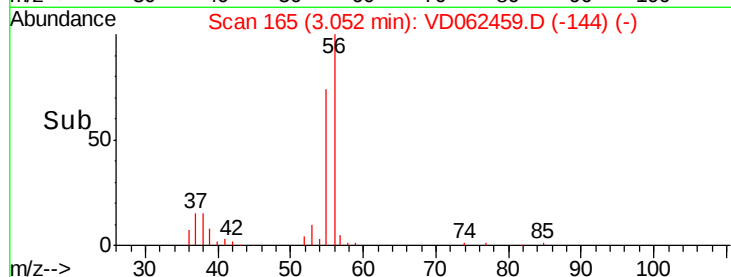
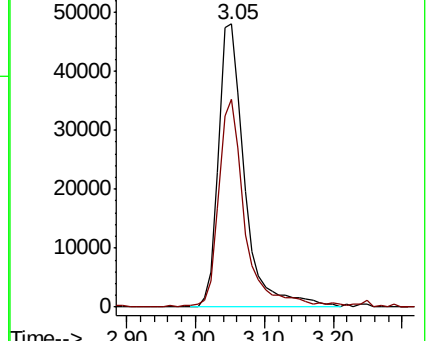
56 100

55 73.6 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 94.451 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

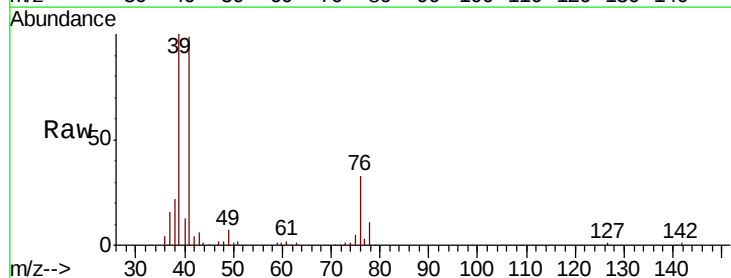
Tgt Ion: 41 Resp: 765339

Ion Ratio Lower Upper

41 100

39 101.0 60.5 90.7#

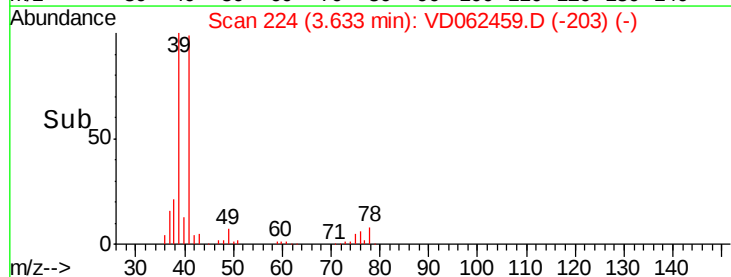
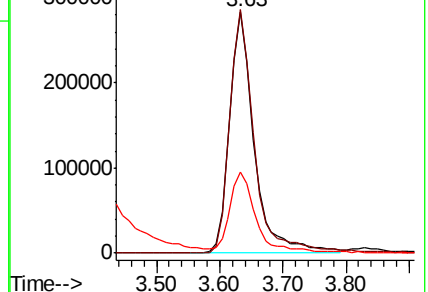
76 33.8 31.8 47.8

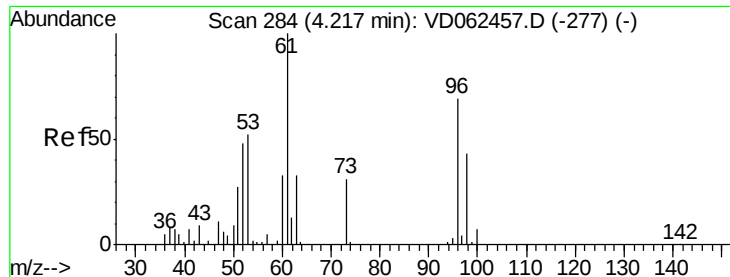


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

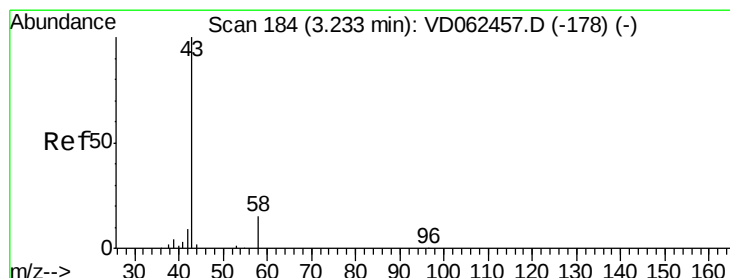
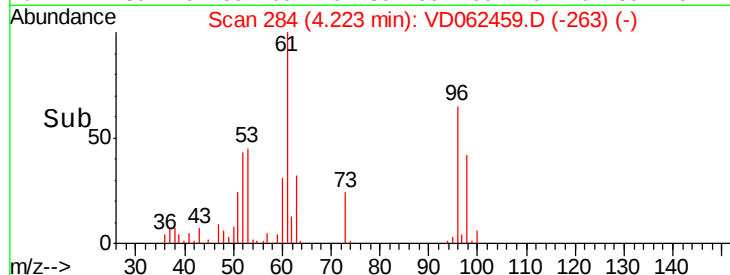
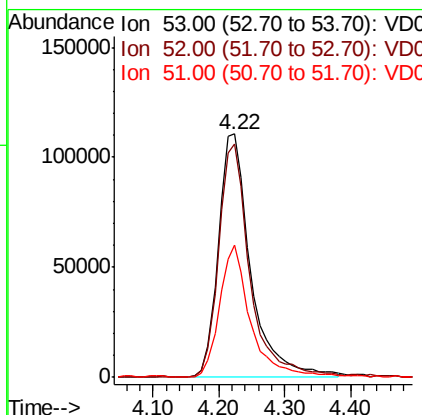
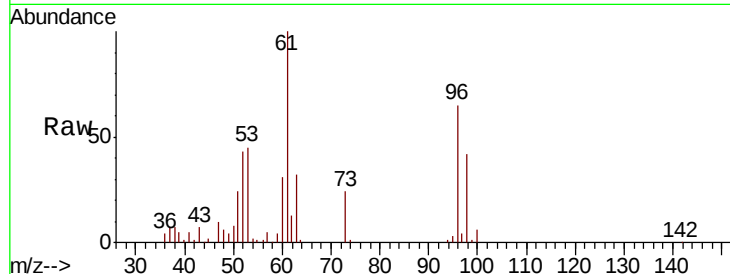




#15
 Acrylonitrile
 Concen: 416.497 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

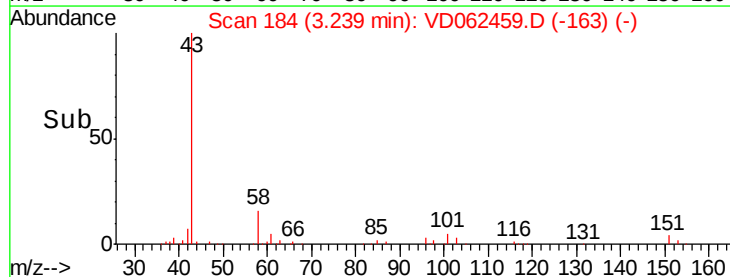
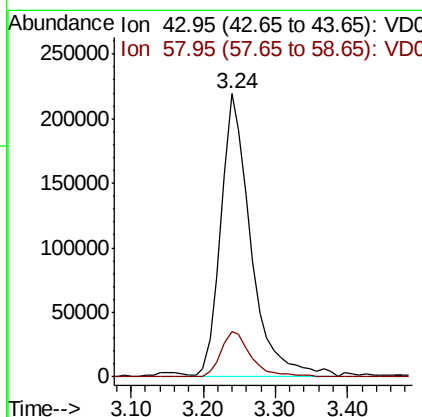
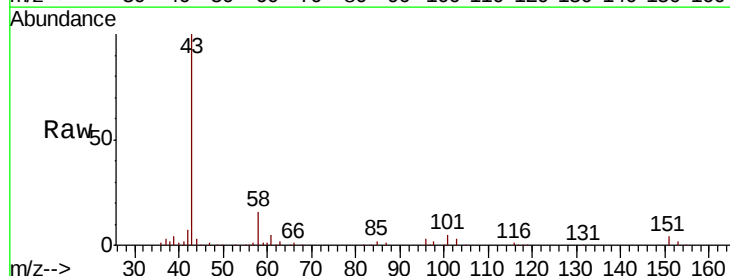
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

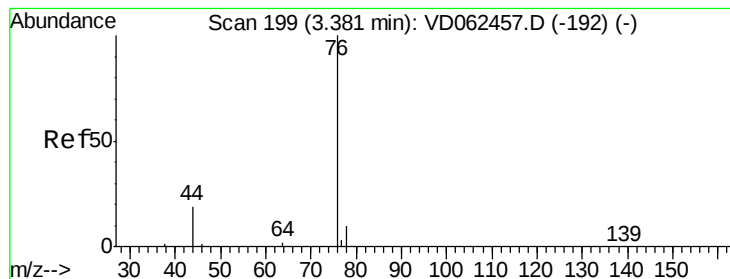
Tgt Ion: 53 Resp: 379557
 Ion Ratio Lower Upper
 53 100
 52 95.7 65.0 97.4
 51 54.1 32.6 48.8#



#16
 Acetone
 Concen: 444.629 ug/l
 RT: 3.24 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion: 43 Resp: 633336
 Ion Ratio Lower Upper
 43 100
 58 16.1 19.9 29.9#





#17

Carbon Disulfide

Concen: 104.810 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

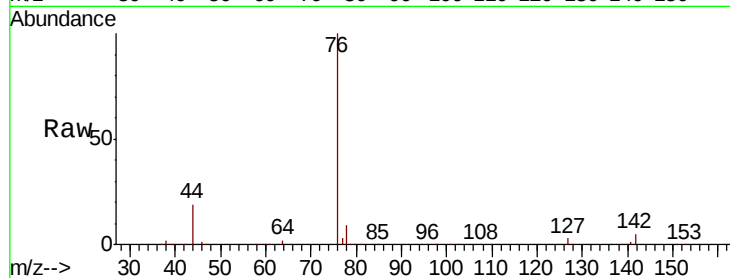
VSTDIC100

Tgt Ion: 76 Resp: 1680272

Ion Ratio Lower Upper

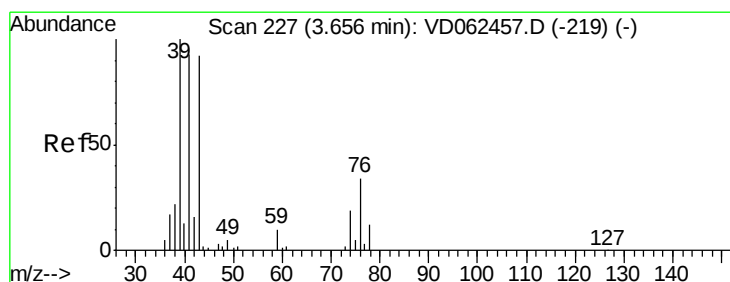
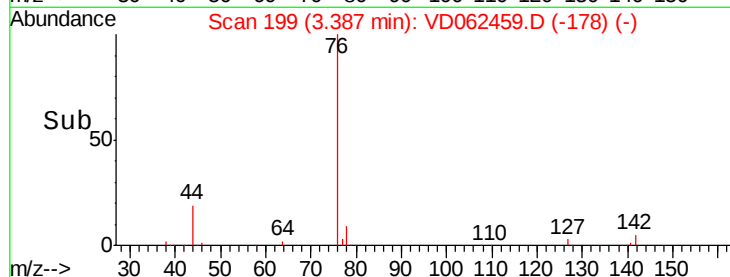
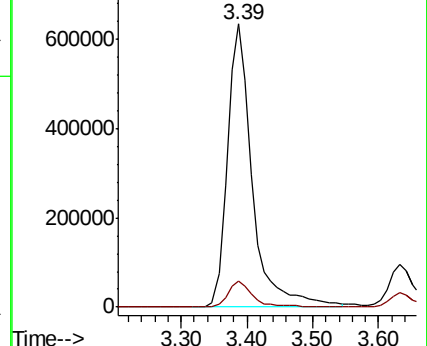
76 100

78 9.3 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 81.655 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD062459.D

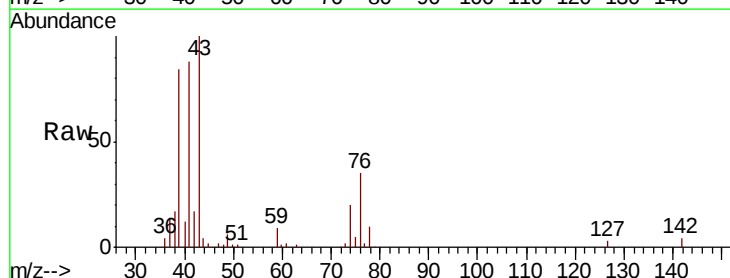
Acq: 20 May 2019 16:37

Tgt Ion: 43 Resp: 228129

Ion Ratio Lower Upper

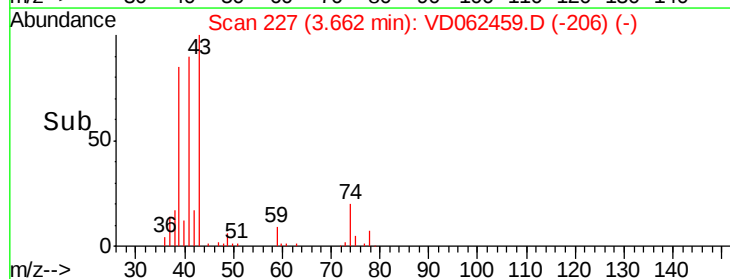
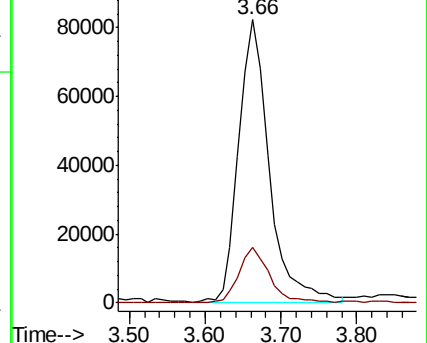
43 100

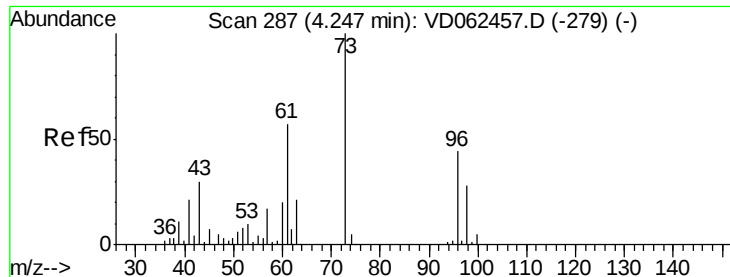
74 19.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



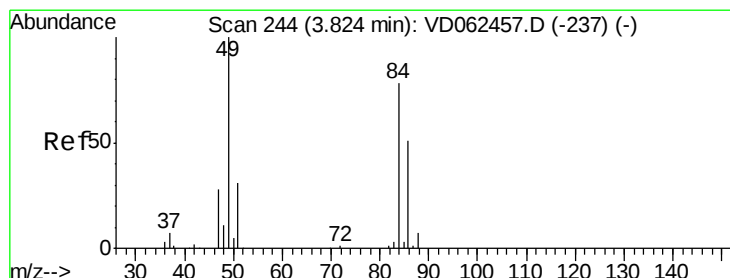
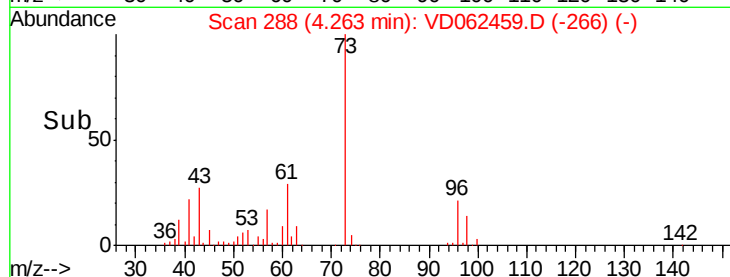
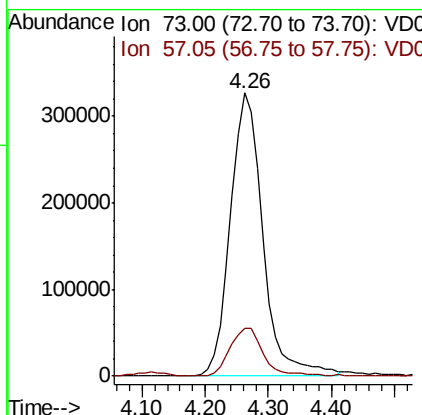
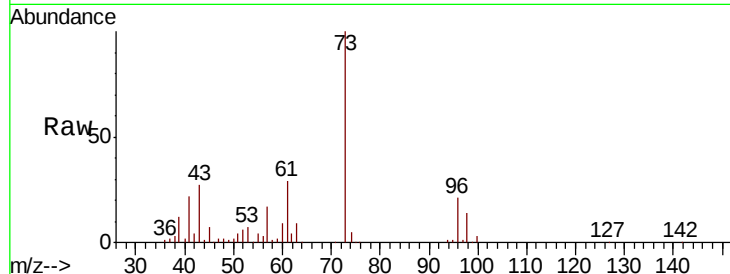


#19

Methyl tert-butyl Ether
 Concen: 97.840 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.02 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

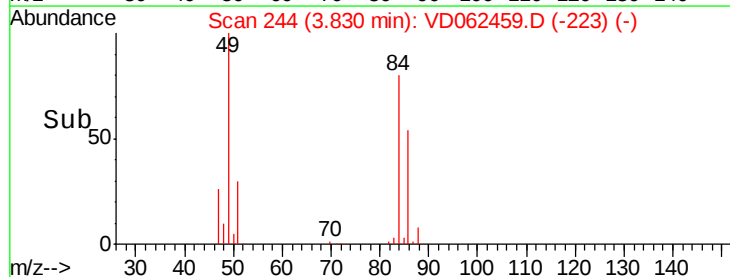
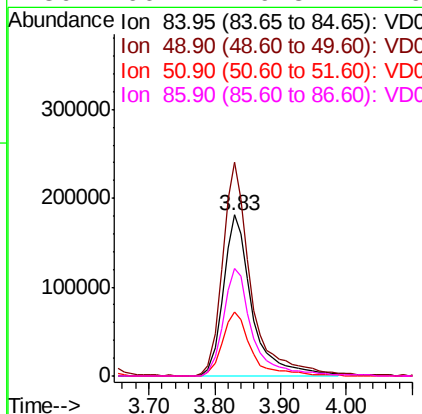
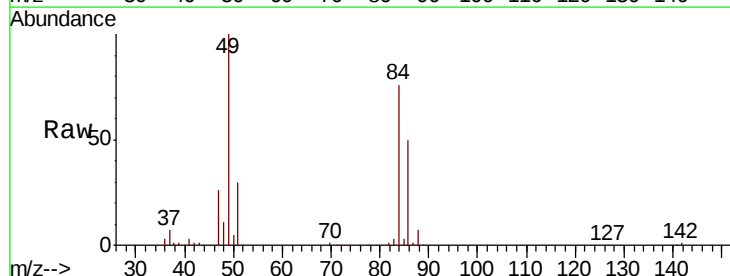
Tgt Ion: 73 Resp: 1168724
 Ion Ratio Lower Upper
 73 100
 57 16.8 16.3 24.5

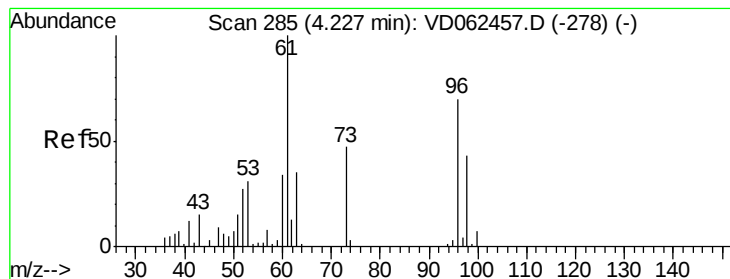


#20

Methylene Chloride
 Concen: 93.058 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion: 84 Resp: 553459
 Ion Ratio Lower Upper
 84 100
 49 132.4 94.0 141.0
 51 40.0 29.0 43.4
 86 66.7 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 97.194 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

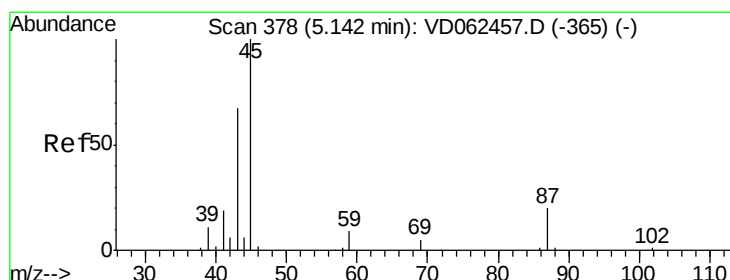
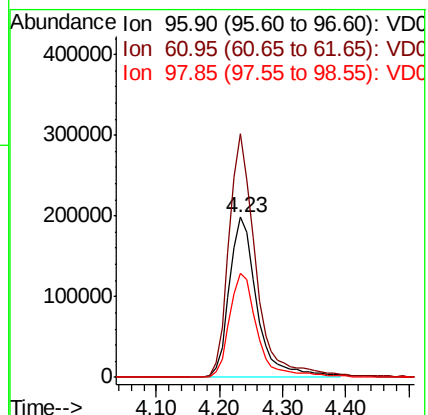
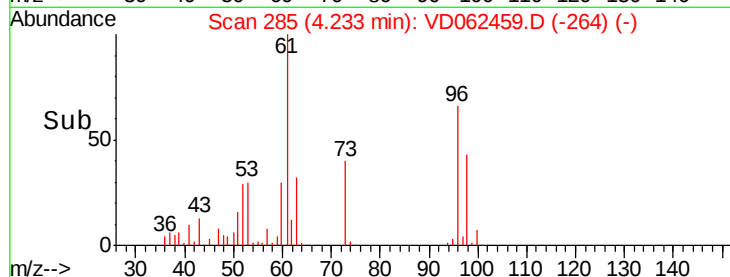
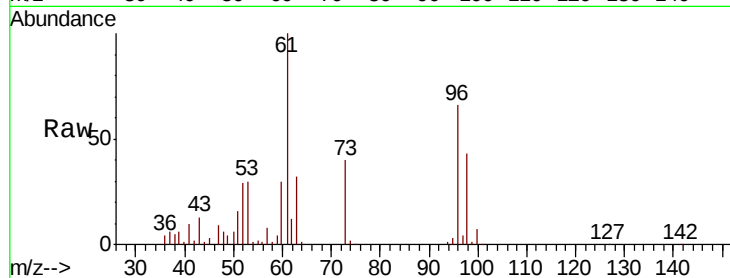
Tgt Ion: 96 Resp: 602739

Ion Ratio Lower Upper

96 100

61 152.1 104.4 156.6

98 64.8 51.8 77.8



#22

Diisopropyl ether

Concen: 97.183 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Tgt Ion: 45 Resp: 1675737

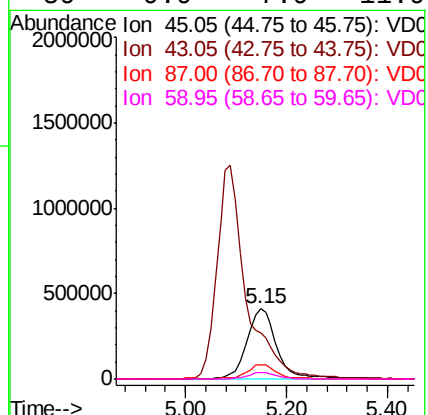
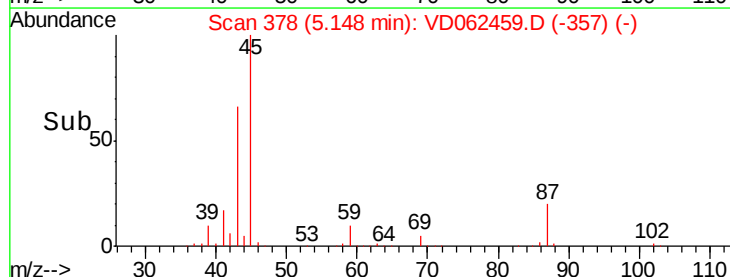
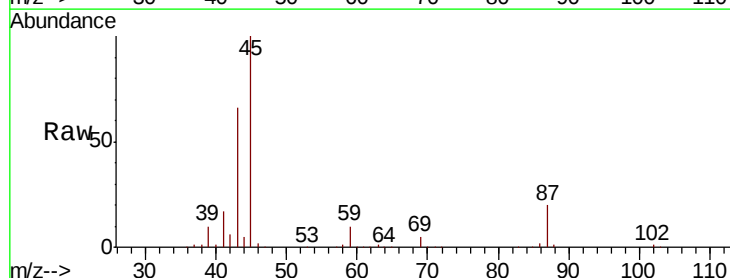
Ion Ratio Lower Upper

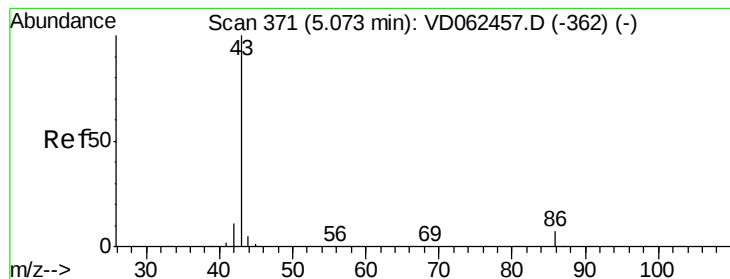
45 100

43 65.6 46.2 69.2

87 20.3 15.9 23.9

59 9.9 7.9 11.9





#23

Vinyl Acetate

Concen: 552.117 ug/l

RT: 5.09 min Scan# 372

Delta R.T. 0.02 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

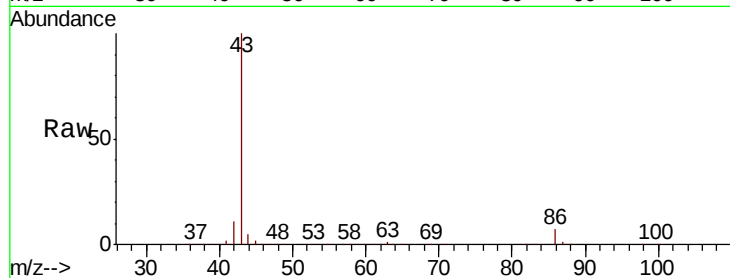
VSTDICC100

Tgt Ion: 43 Resp: 5022950

Ion Ratio Lower Upper

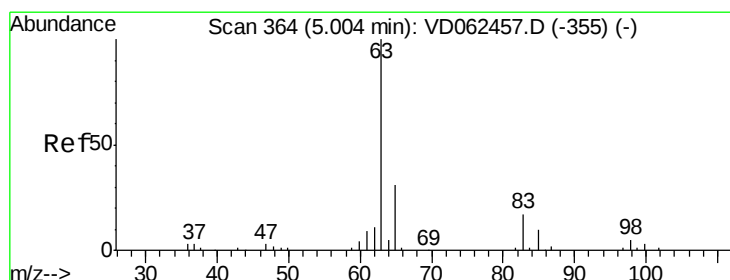
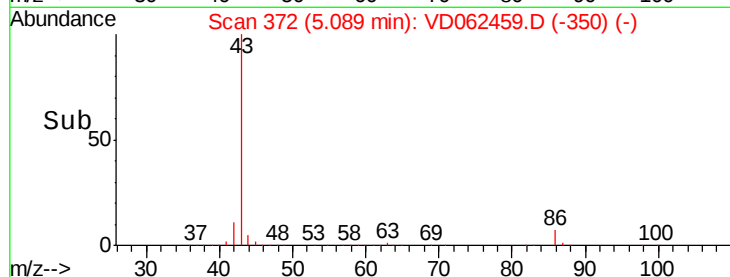
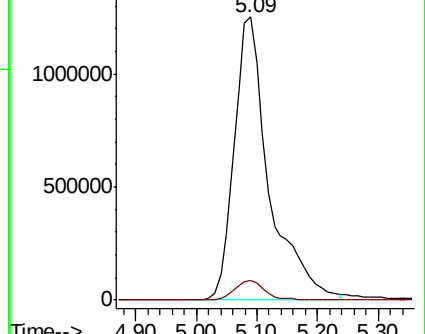
43 100

86 7.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 108.547 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

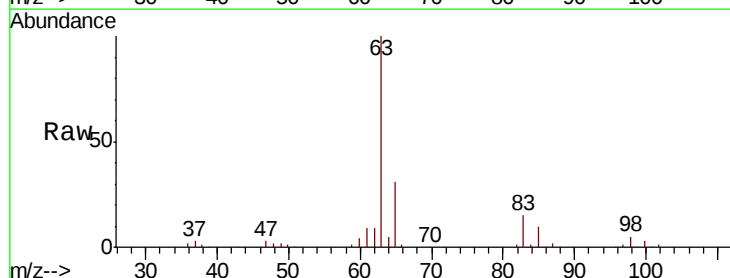
Tgt Ion: 63 Resp: 1129122

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.4

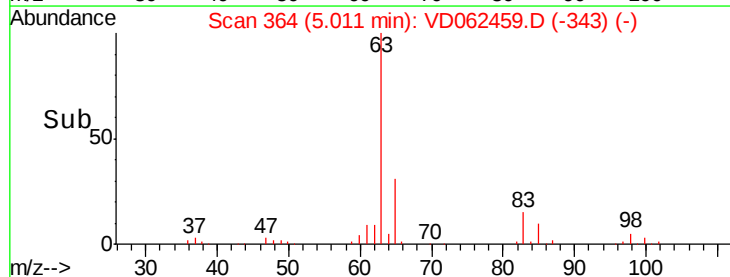
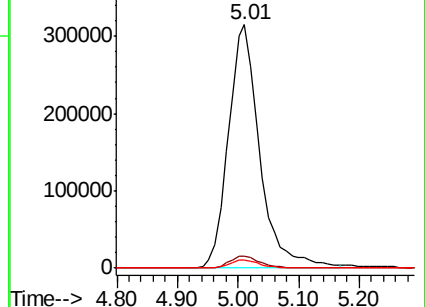
100 3.3 1.8 5.5

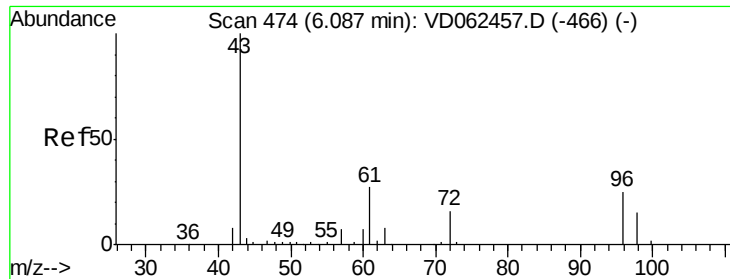


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 452.497 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.02 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

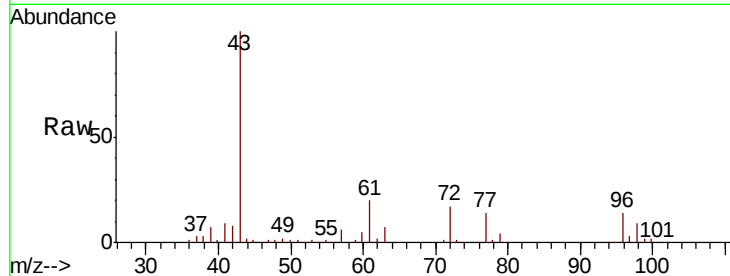
VSTDICC100

Tgt Ion: 43 Resp: 703041

Ion Ratio Lower Upper

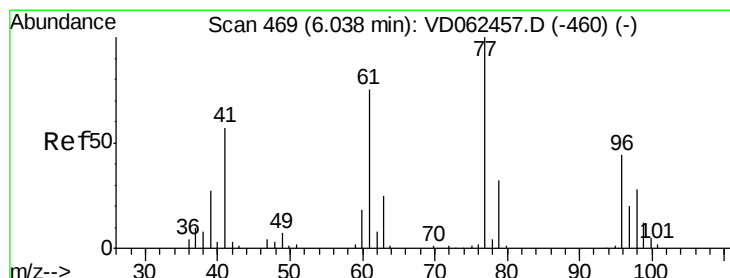
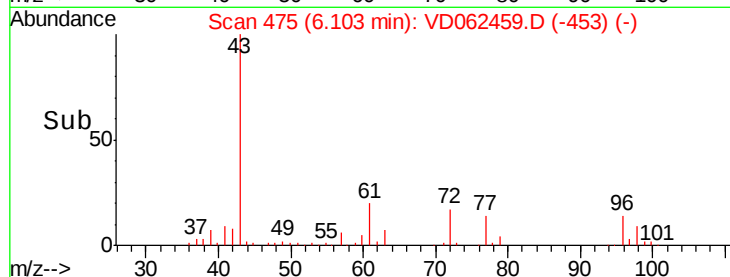
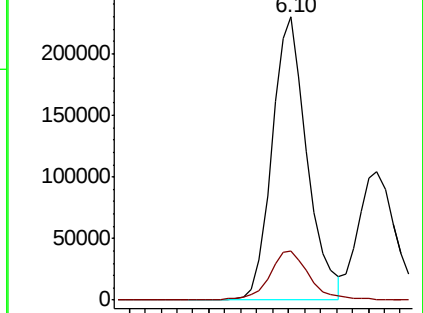
43 100

72 17.2 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: 110.356 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD062459.D

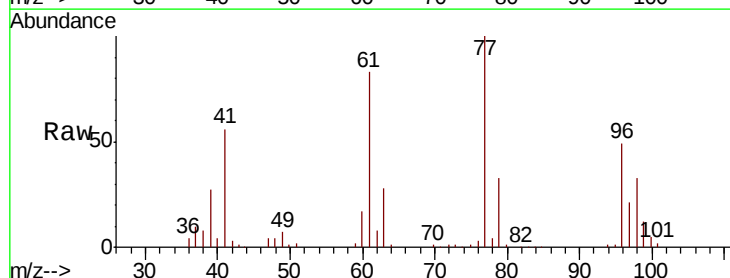
Acq: 20 May 2019 16:37

Tgt Ion: 77 Resp: 1143472

Ion Ratio Lower Upper

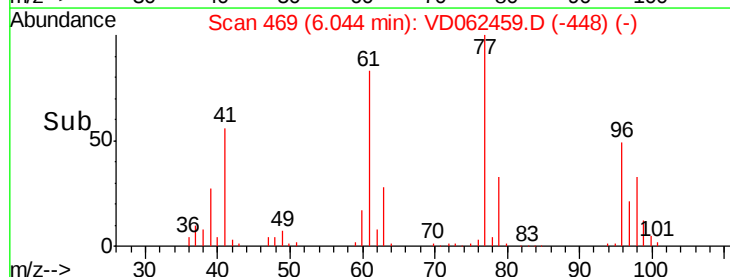
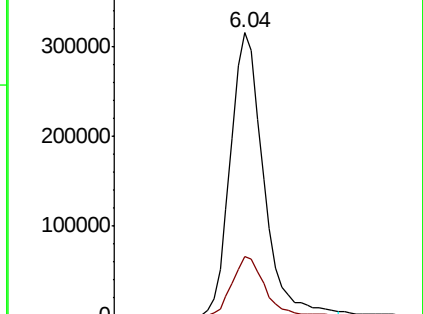
77 100

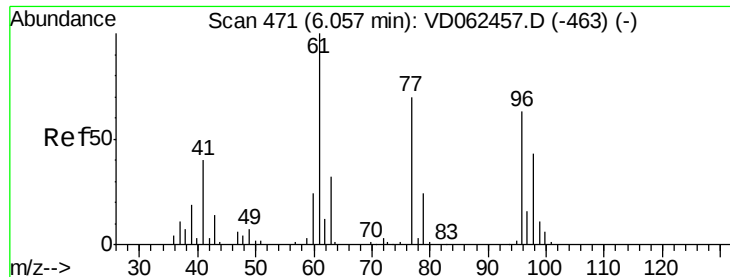
97 20.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



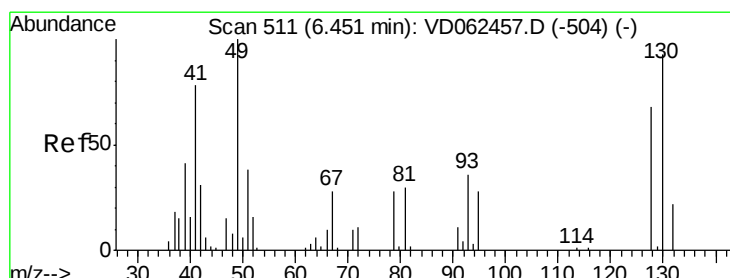
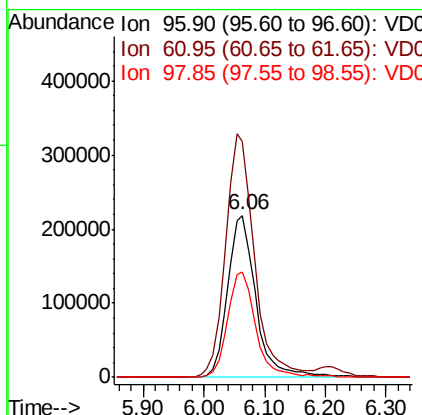
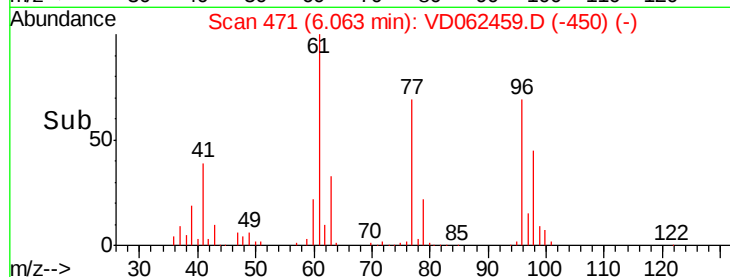
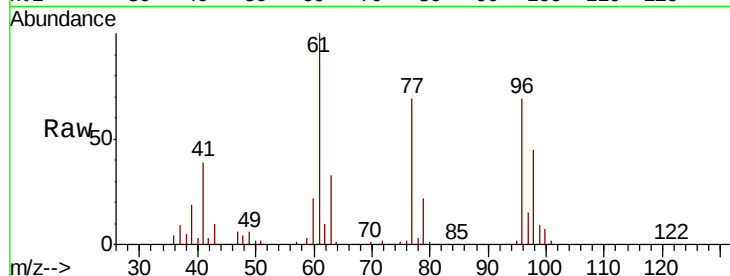


#27

cis-1,2-Dichloroethene
Concen: 101.414 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

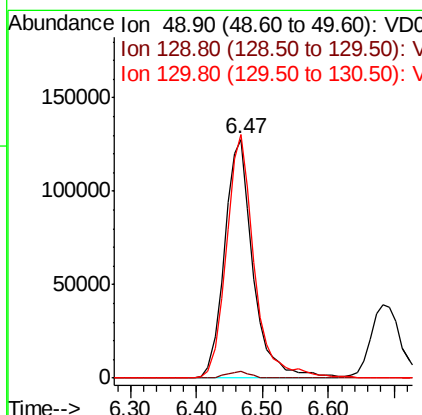
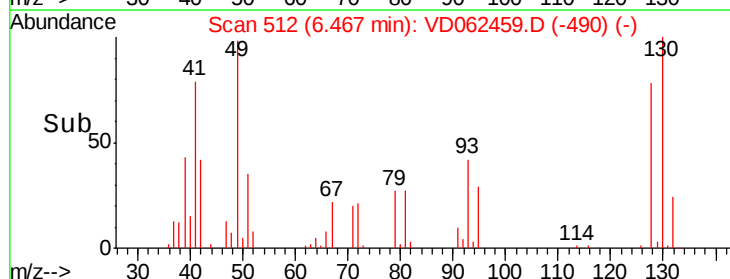
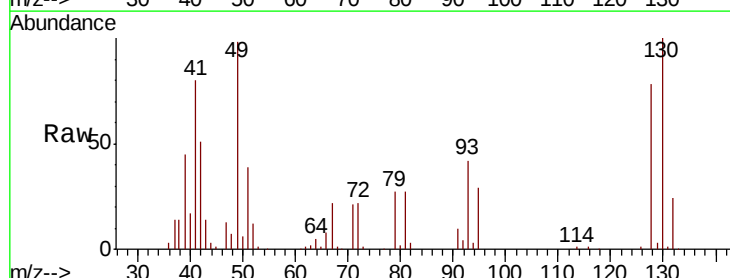
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	279.8
98	64.9	0.0	136.0

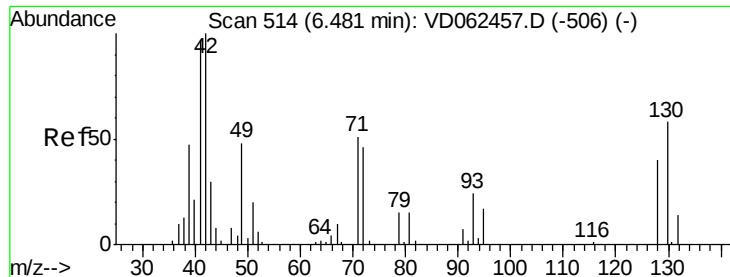


#28

Bromochloromethane
Concen: 94.374 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	6.6
130	101.9	86.7	130.1

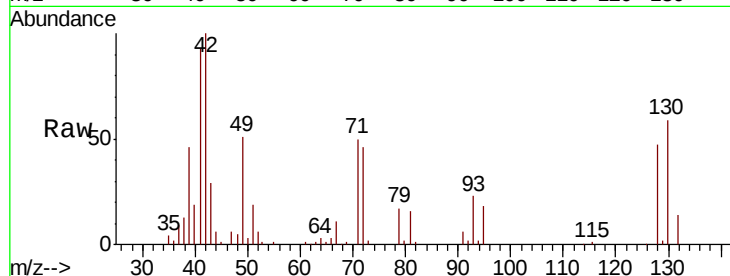




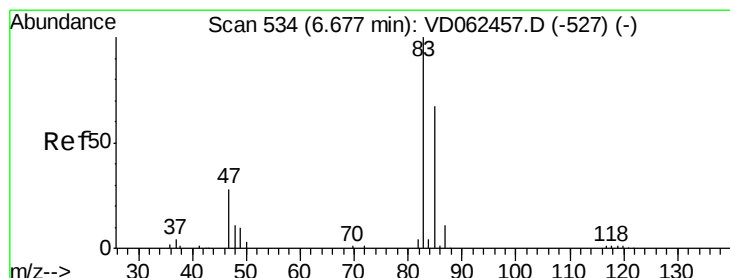
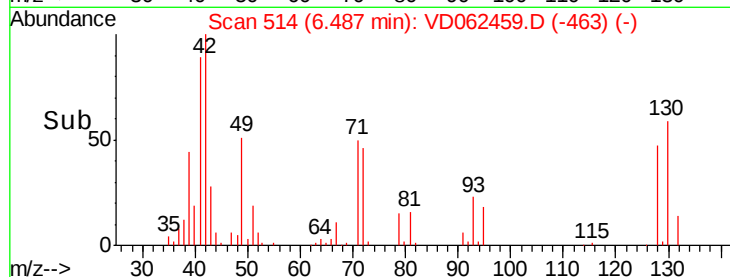
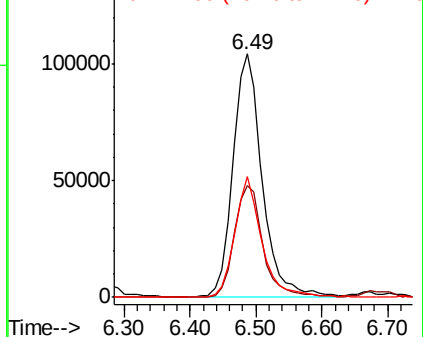
#29
Tetrahydrofuran
Concen: 454.056 ug/l
RT: 6.49 min Scan# 514
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 325049
Ion Ratio Lower Upper
42 100
72 44.8 37.8 56.6
71 45.9 36.7 55.1

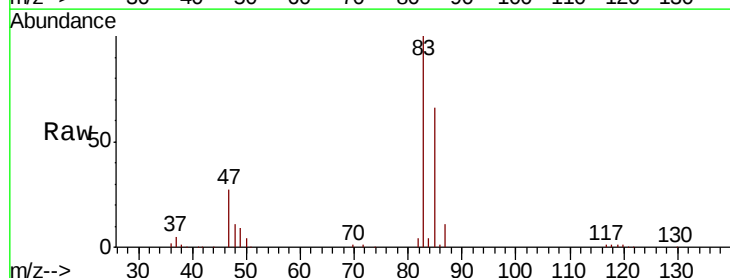


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

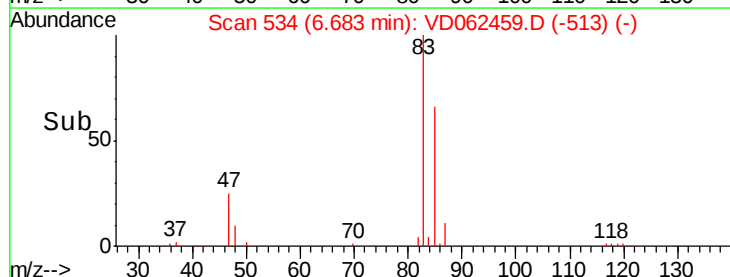
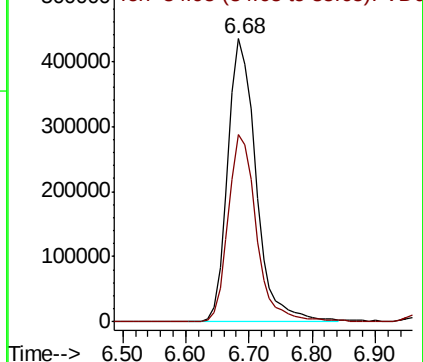


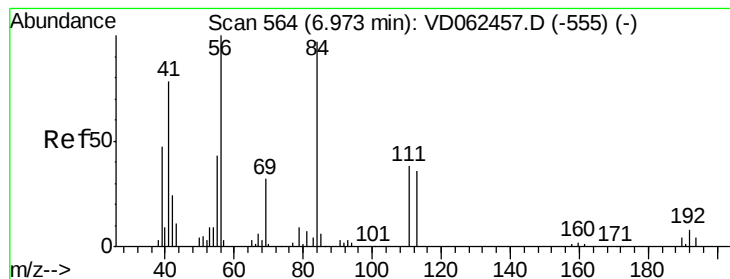
#30
Chloroform
Concen: 107.720 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

Tgt Ion: 83 Resp: 1350423
Ion Ratio Lower Upper
83 100
85 66.3 51.7 77.5



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





#31

Cyclohexane

Concen: 106.323 ug/l

RT: 6.98 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

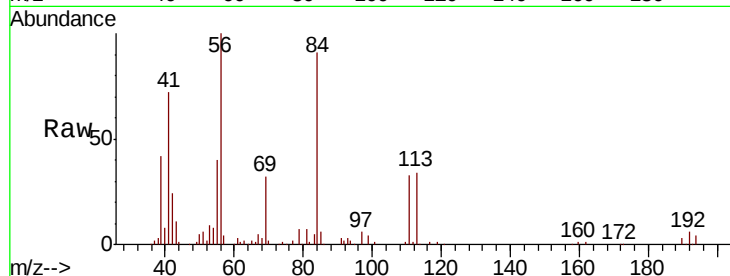
Tgt Ion: 56 Resp: 757712

Ion Ratio Lower Upper

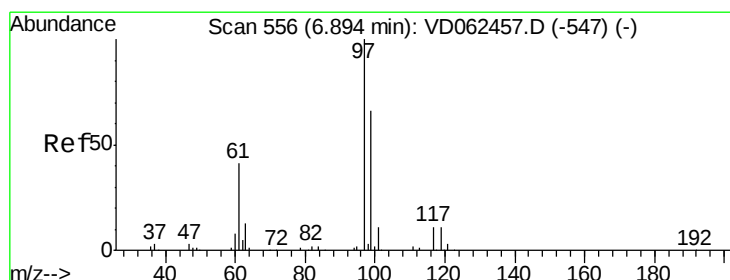
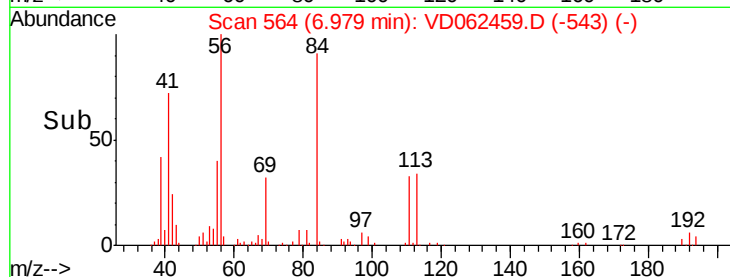
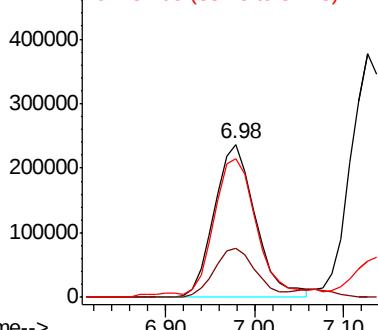
56 100

69 32.1 25.8 38.6

84 91.1 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: 116.065 ug/l

RT: 6.89 min Scan# 555

Delta R.T. -0.00 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

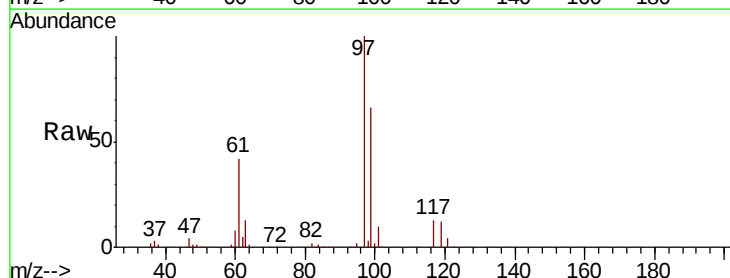
Tgt Ion: 97 Resp: 1375275

Ion Ratio Lower Upper

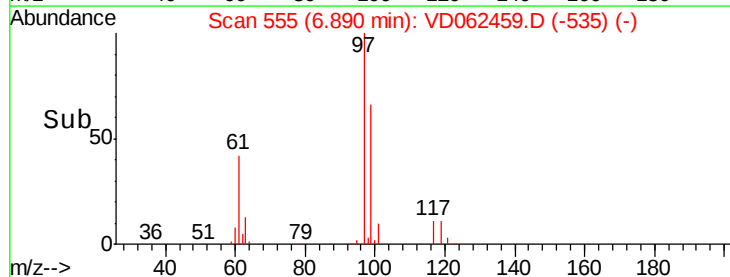
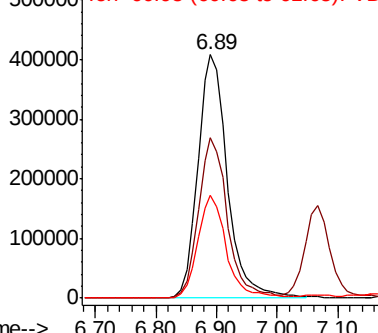
97 100

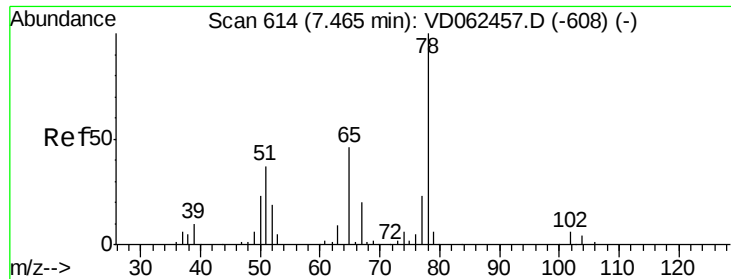
99 66.1 52.2 78.2

61 42.0 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

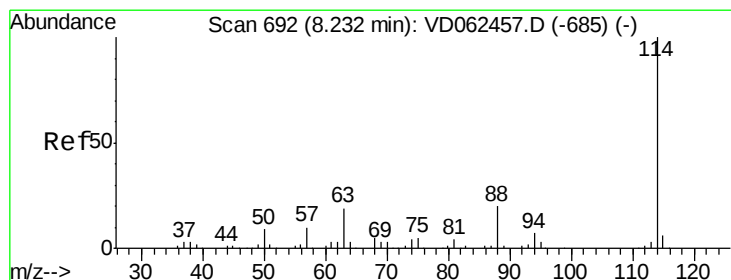
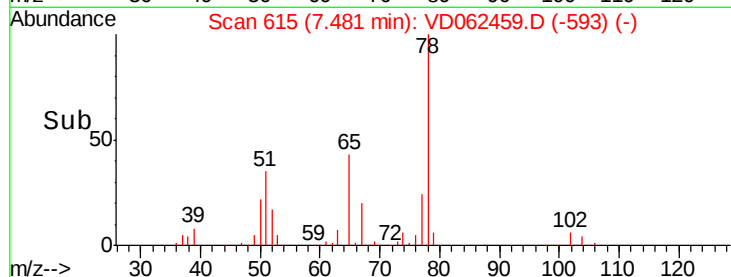
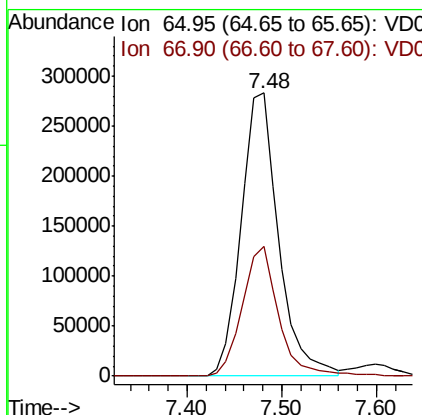
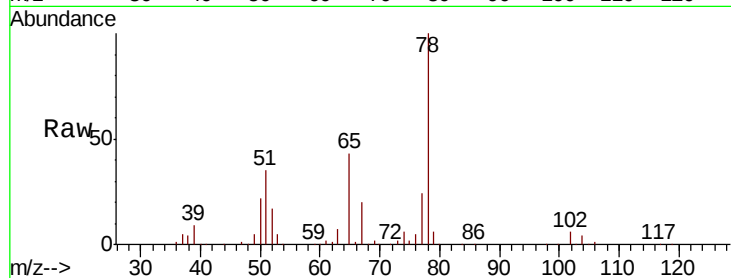




#33
 1,2-Dichloroethane-d4
 Concen: 114.163 ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.02 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

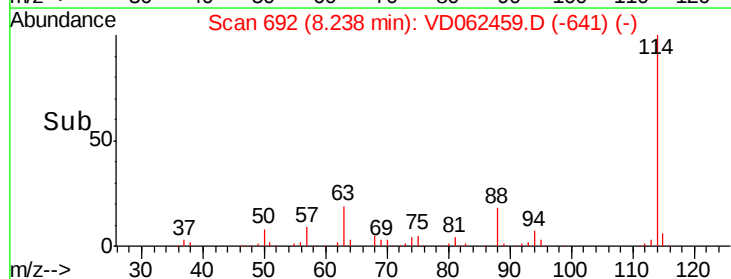
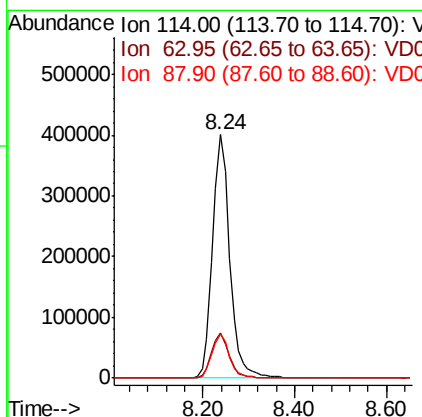
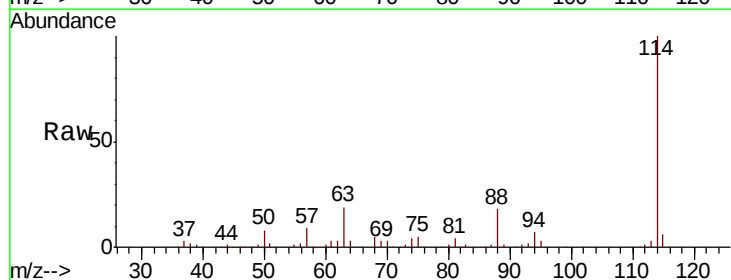
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

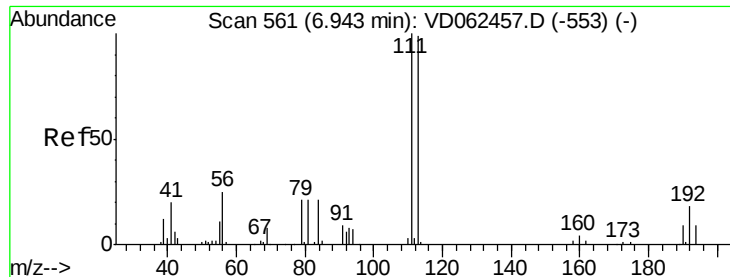
Tgt Ion: 65 Resp: 775427
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion: 114 Resp: 1032523
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 32.4
 88 18.0 0.0 33.6

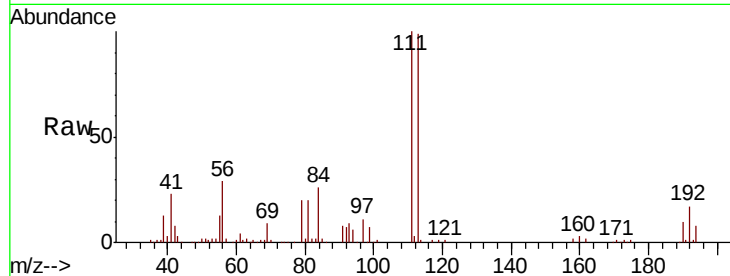




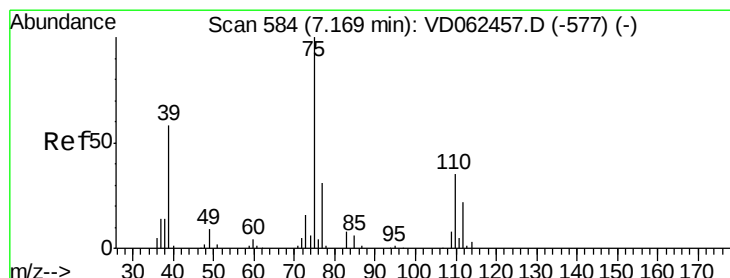
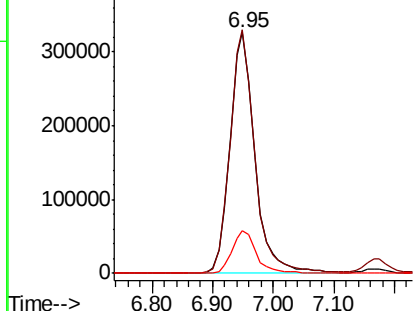
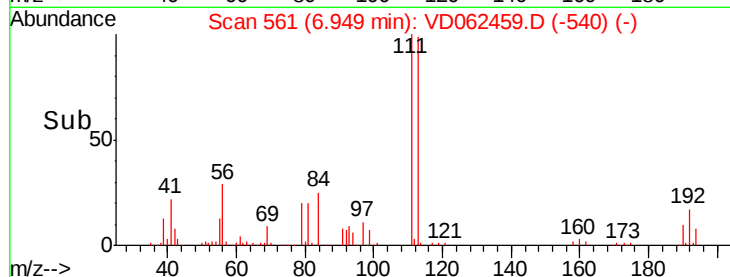
#35
 Dibromofluoromethane
 Concen: 108.630 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:113 Resp: 930626
 Ion Ratio Lower Upper
 113 100
 111 101.1 78.5 117.7
 192 17.7 13.0 19.4

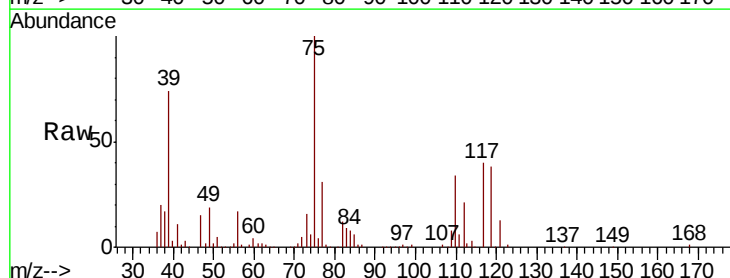


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

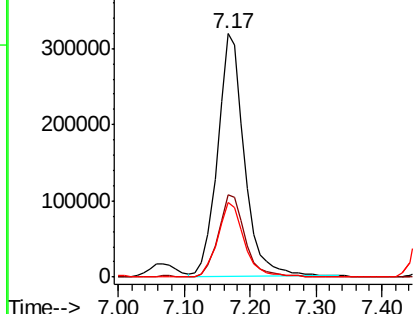
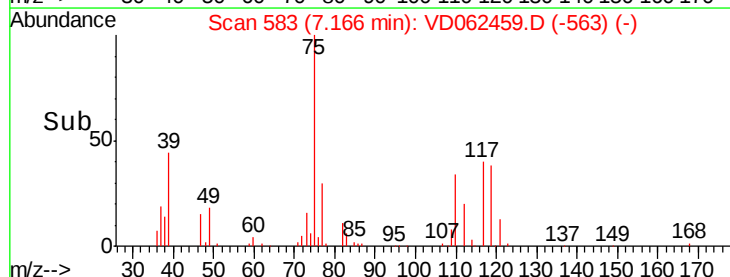


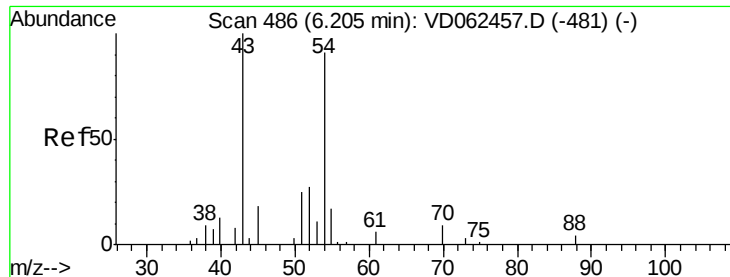
#36
 1,1-Dichloropropene
 Concen: 106.541 ug/l
 RT: 7.17 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion: 75 Resp: 901946
 Ion Ratio Lower Upper
 75 100
 110 33.7 19.1 57.1
 77 30.5 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: 96.924 ug/l

RT: 6.21 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

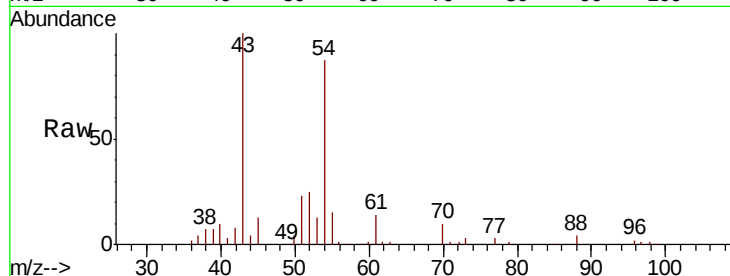
Tgt Ion: 43 Resp: 347976

Ion Ratio Lower Upper

43 100

61 13.7 14.7 22.1#

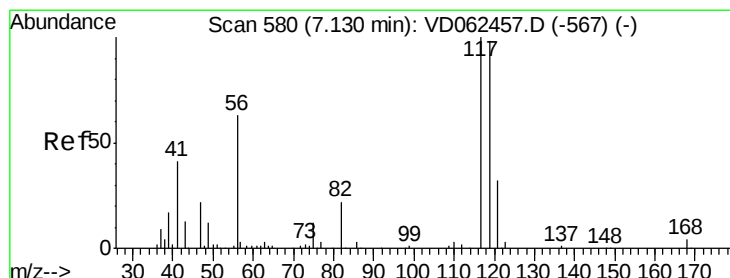
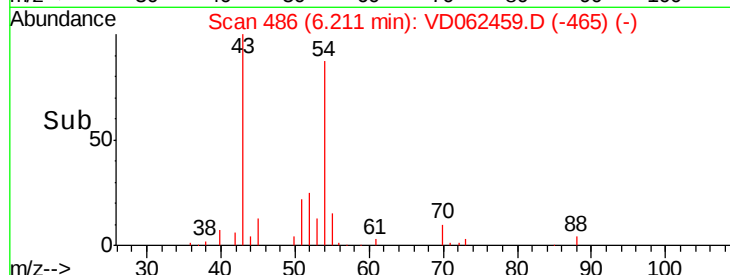
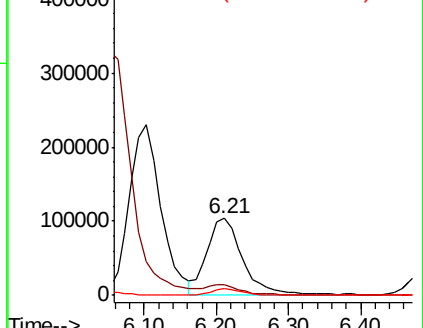
70 9.6 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 122.450 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

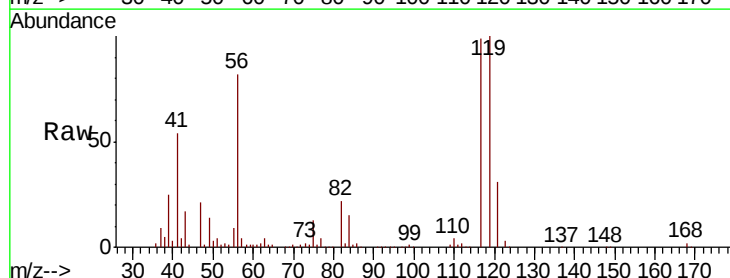
Tgt Ion: 117 Resp: 1434786

Ion Ratio Lower Upper

117 100

119 100.8 75.8 113.8

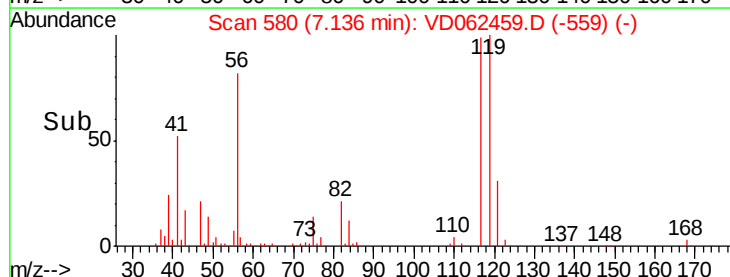
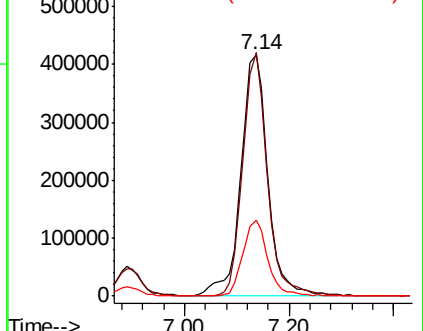
121 31.5 25.9 38.9

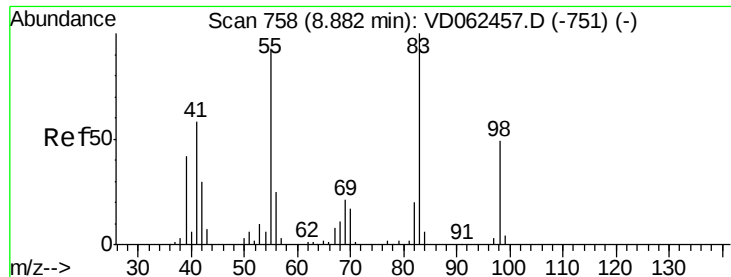


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

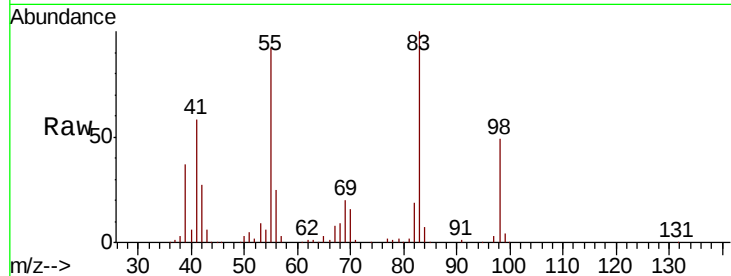




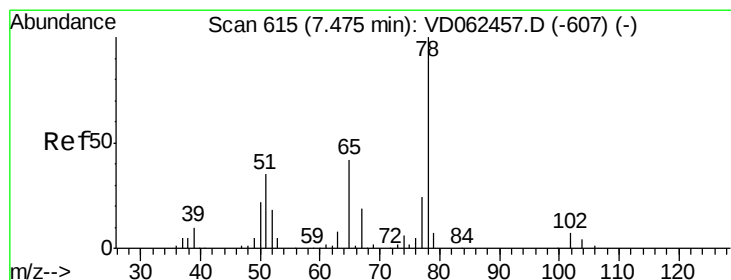
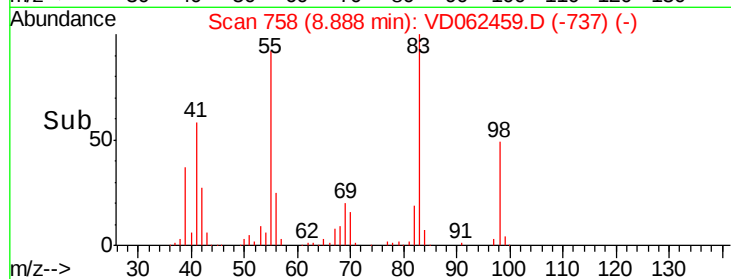
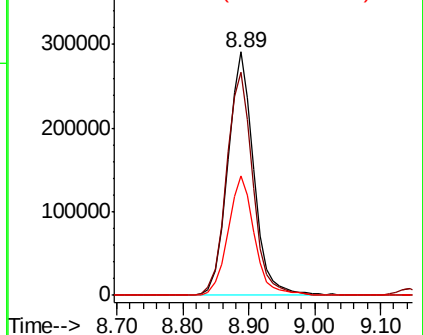
#39
Methylcyclohexane
Concen: 99.117 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 83 Resp: 803960
Ion Ratio Lower Upper
83 100
55 91.6 68.2 102.4
98 48.9 38.2 57.4

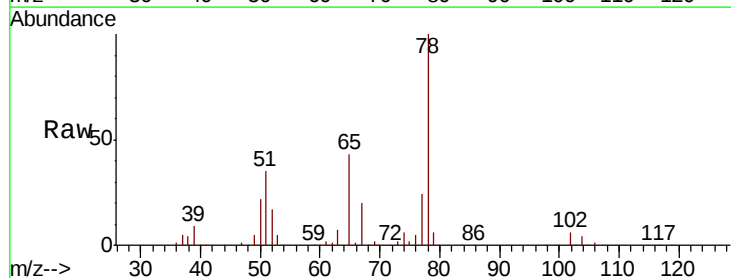


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

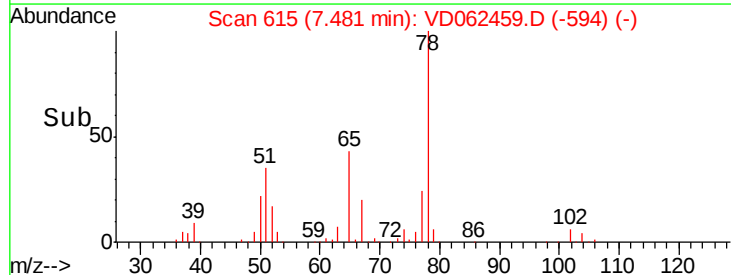
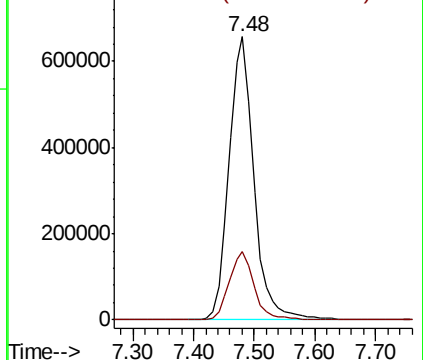


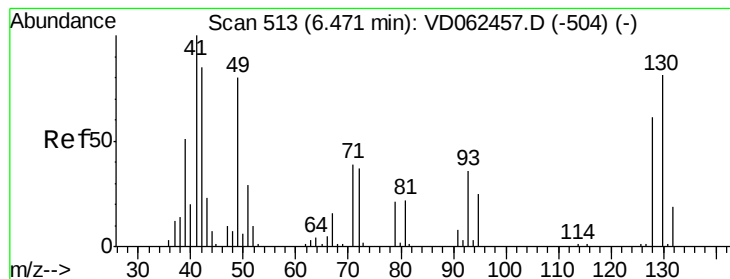
#40
Benzene
Concen: 97.906 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

Tgt Ion: 78 Resp: 1871617
Ion Ratio Lower Upper
78 100
77 24.1 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: 97.989 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 429917

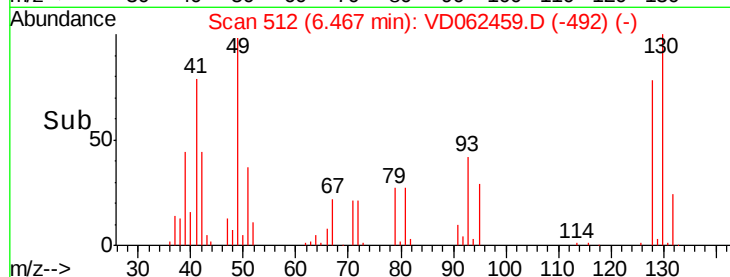
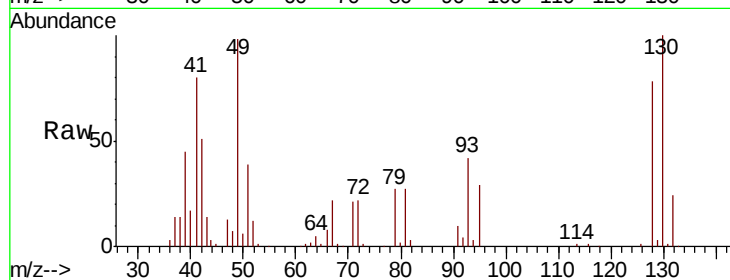
Ion Ratio Lower Upper

41 100

39 56.5 34.1 51.1#

67 27.4 23.8 35.6

52 15.5 8.8 13.2#

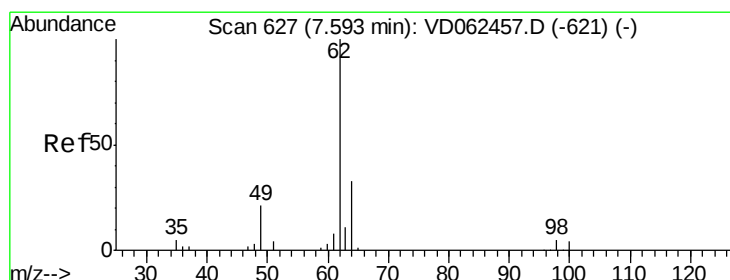
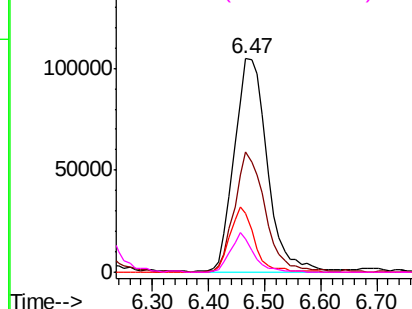


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 117.771 ug/l

RT: 7.60 min Scan# 627

Delta R.T. 0.01 min

Lab File: VD062459.D

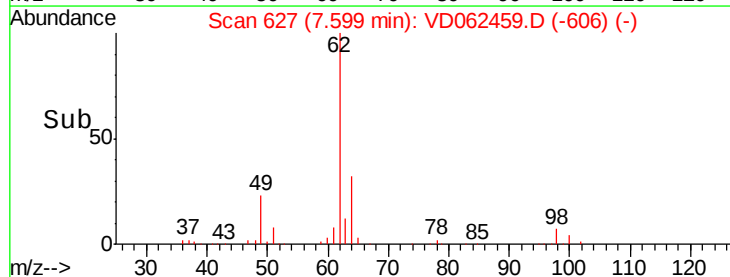
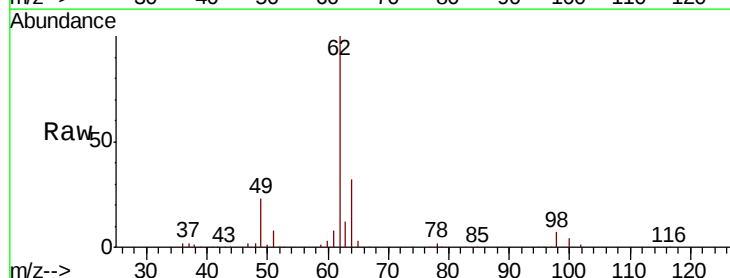
Acq: 20 May 2019 16:37

Tgt Ion: 62 Resp: 953869

Ion Ratio Lower Upper

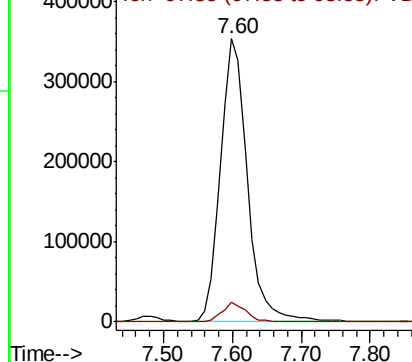
62 100

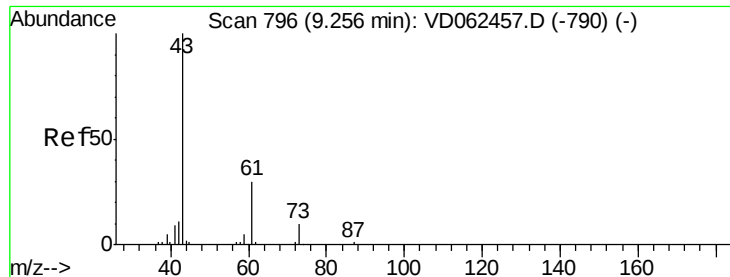
98 6.8 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 97.613 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

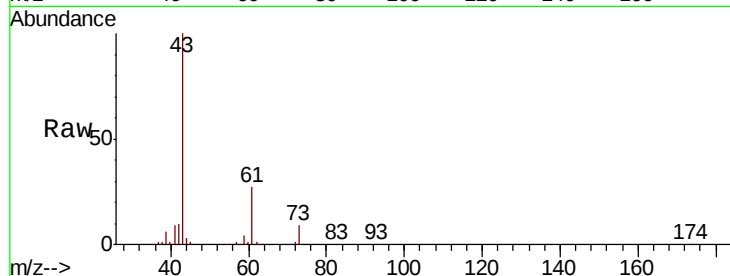
Tgt Ion: 43 Resp: 497017

Ion Ratio Lower Upper

43 100

61 27.0 25.1 37.7

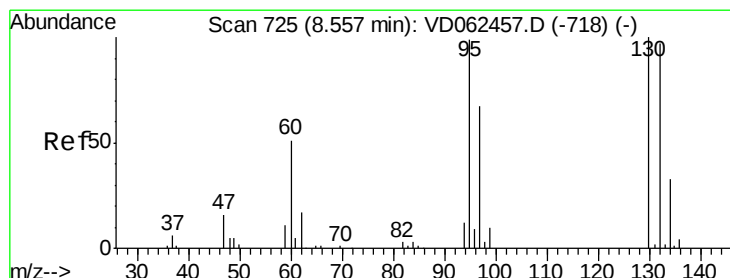
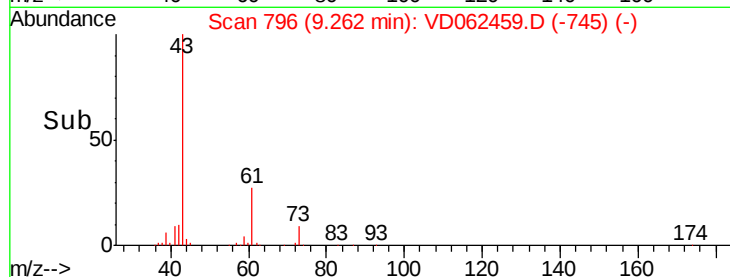
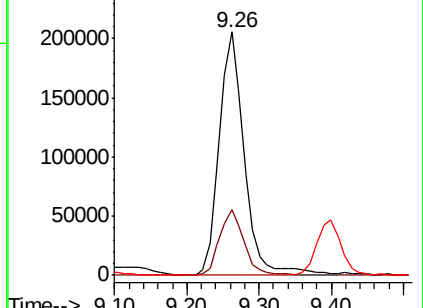
87 0.2 0.0 0.0#



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: 106.070 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD062459.D

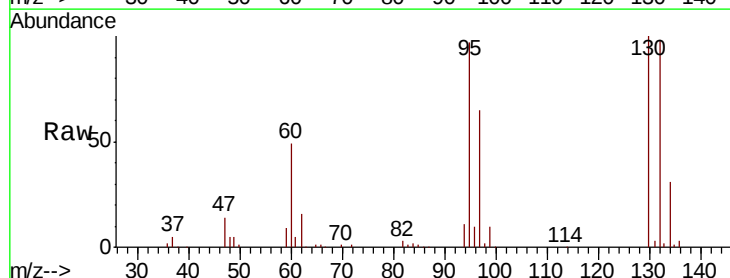
Acq: 20 May 2019 16:37

Tgt Ion: 130 Resp: 772667

Ion Ratio Lower Upper

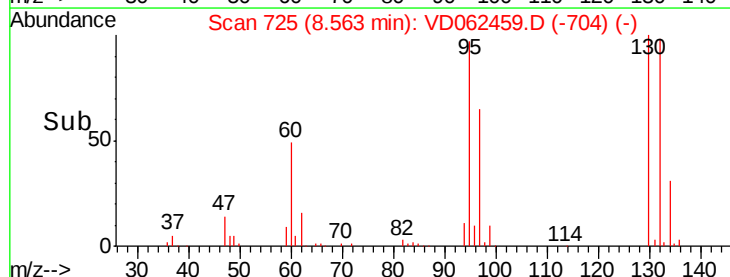
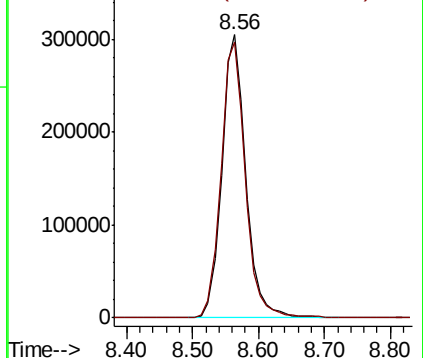
130 100

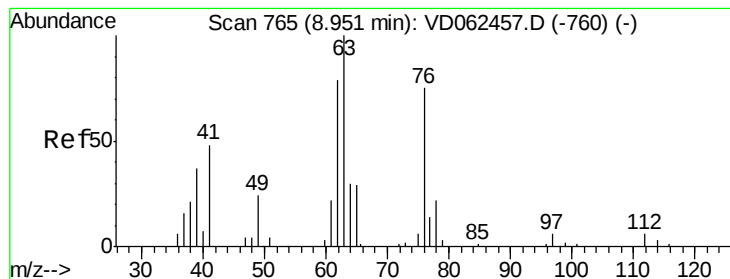
95 97.3 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 99.558 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

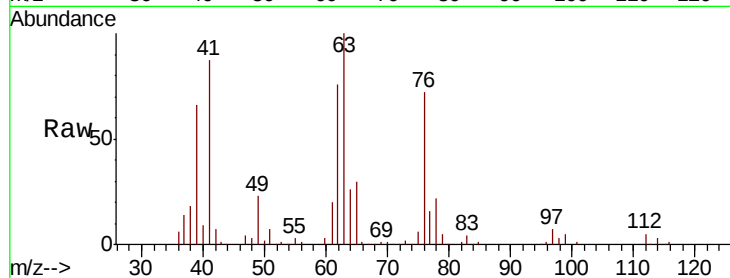
VSTDIC100

Tgt Ion: 63 Resp: 470761

Ion Ratio Lower Upper

63 100

65 30.0 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.96

200000

150000

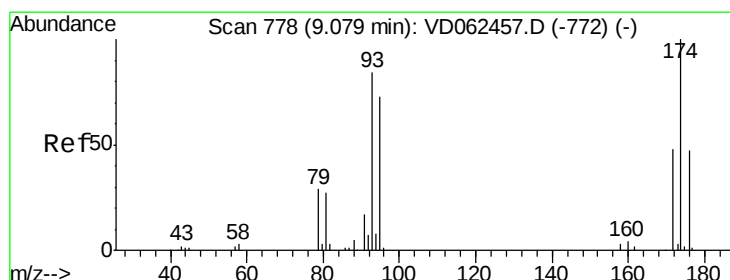
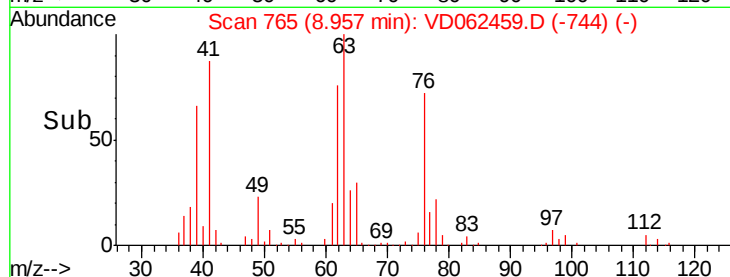
100000

50000

0

8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 106.054 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

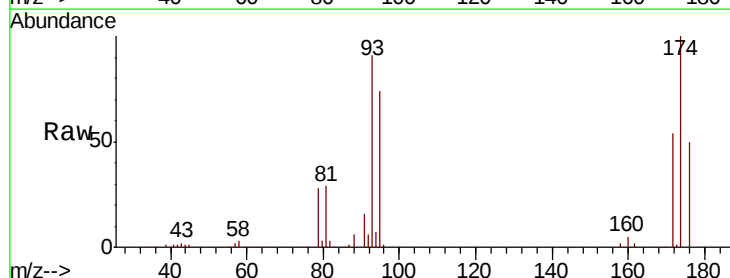
Tgt Ion: 93 Resp: 407794

Ion Ratio Lower Upper

93 100

95 81.2 64.8 97.2

174 110.0 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

9.08

250000

200000

150000

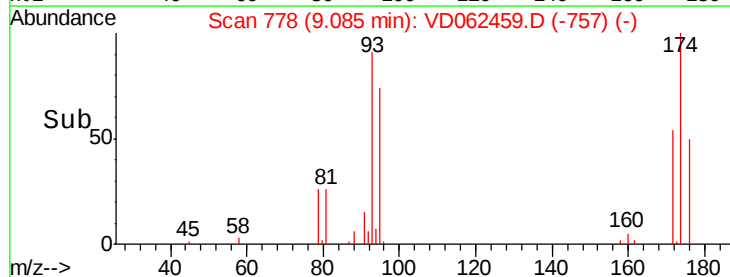
100000

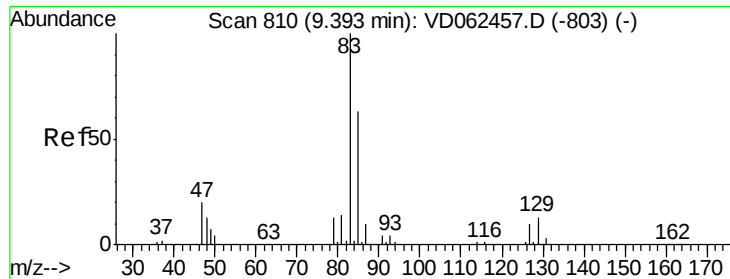
50000

0

9.00 9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 114.301 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

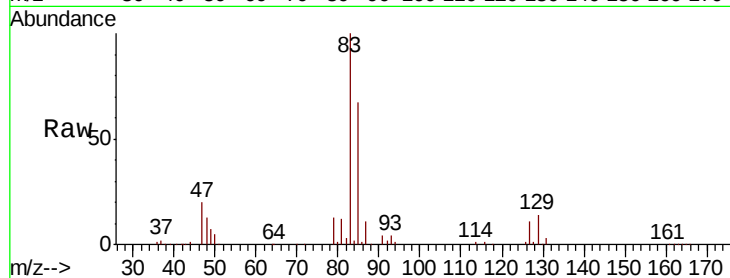
Tgt Ion: 83 Resp: 1075041

Ion Ratio Lower Upper

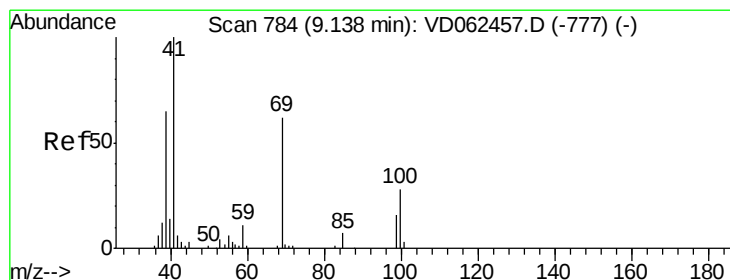
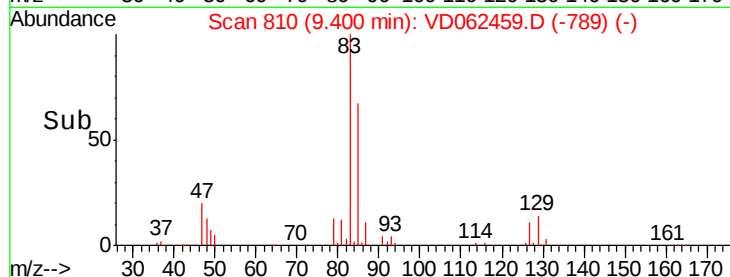
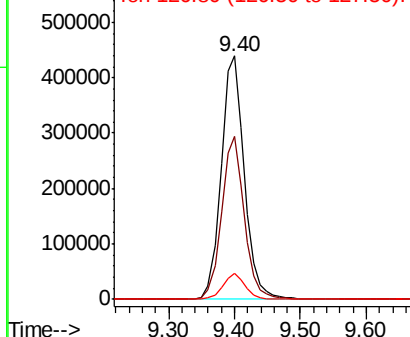
83 100

85 66.7 50.9 76.3

127 10.5 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: 103.260 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

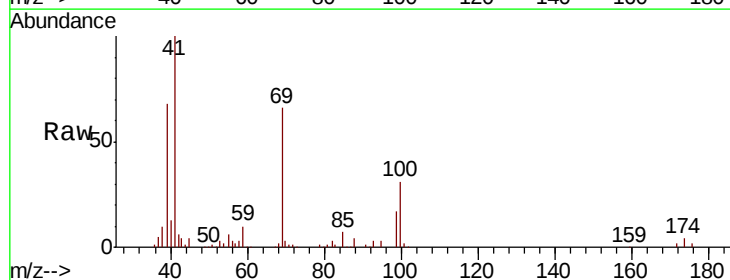
Tgt Ion: 41 Resp: 323851

Ion Ratio Lower Upper

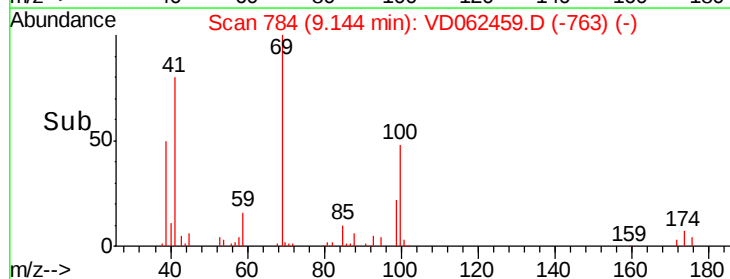
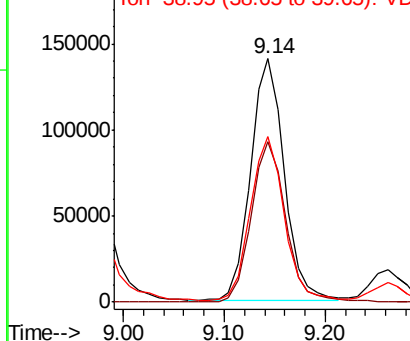
41 100

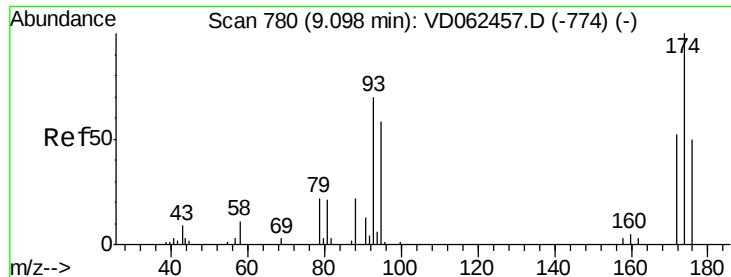
69 65.9 64.2 96.2

39 68.1 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

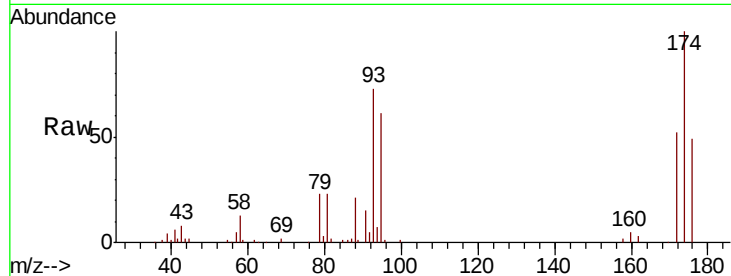




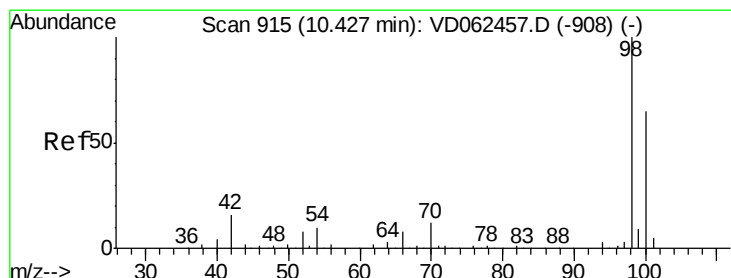
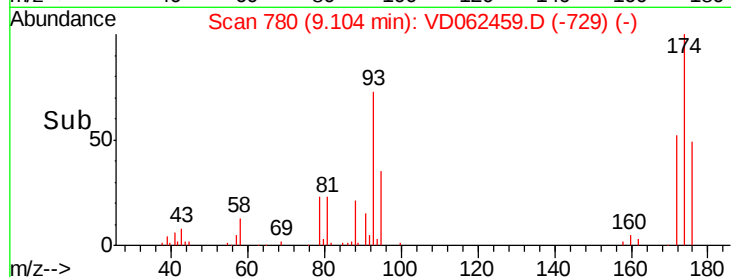
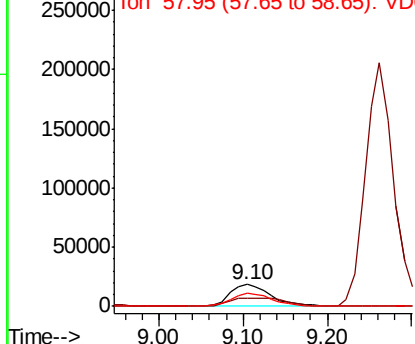
#49
 1,4-Dioxane
 Concen: 1807.209 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 88 Resp: 61154
 Ion Ratio Lower Upper
 88 100
 43 39.1 23.4 35.0#
 58 60.7 44.0 66.0

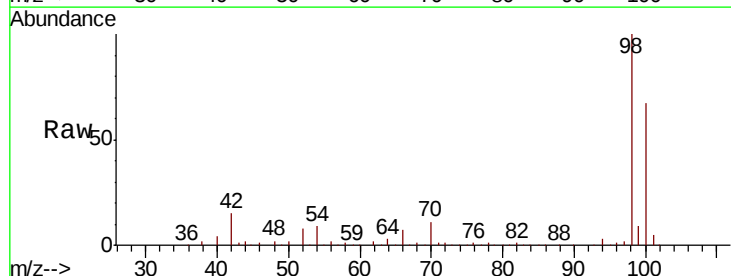


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

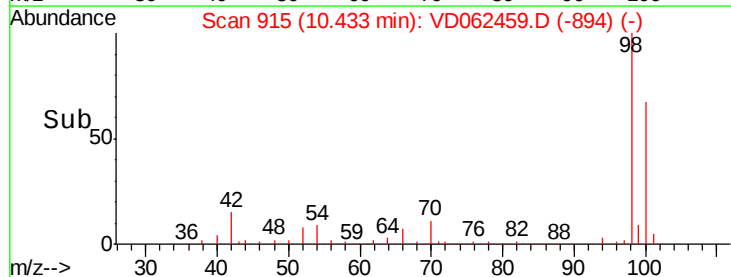
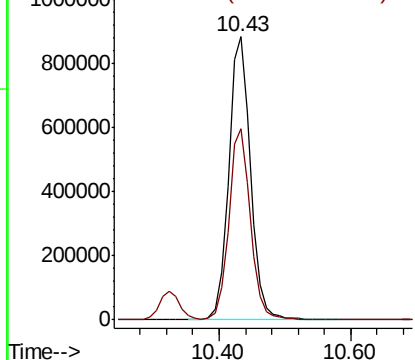


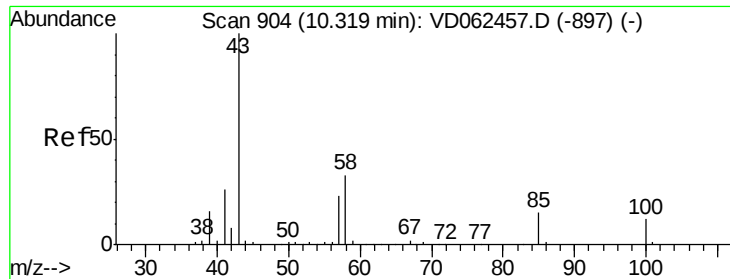
#50
 Toluene-d8
 Concen: 98.689 ug/l
 RT: 10.43 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion: 98 Resp: 2038484
 Ion Ratio Lower Upper
 98 100
 100 67.4 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: 487.315 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

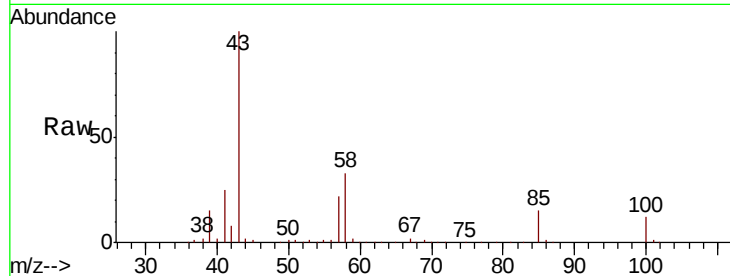
VSTDIC100

Tgt Ion: 43 Resp: 1594975

Ion Ratio Lower Upper

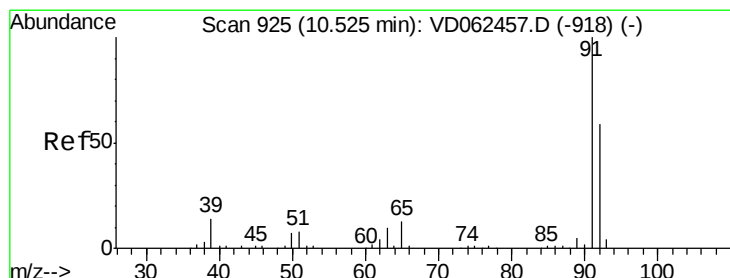
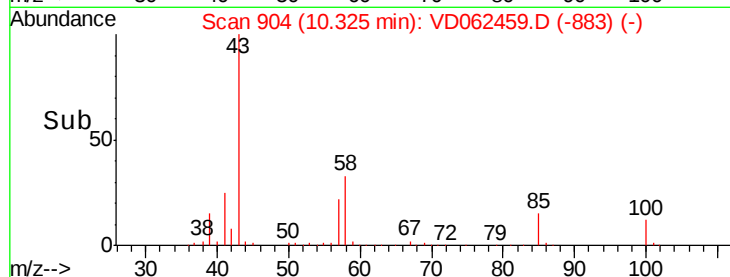
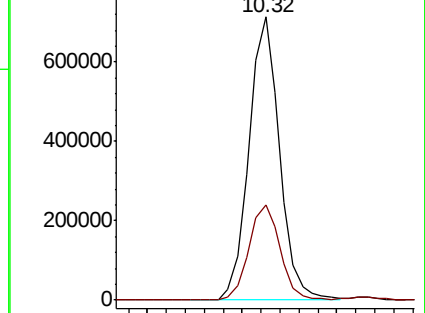
43 100

58 33.4 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 102.305 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062459.D

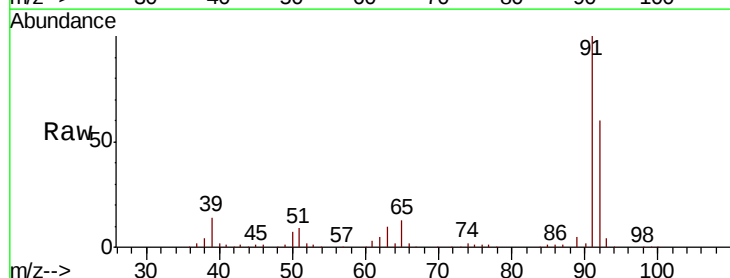
Acq: 20 May 2019 16:37

Tgt Ion: 92 Resp: 1272475

Ion Ratio Lower Upper

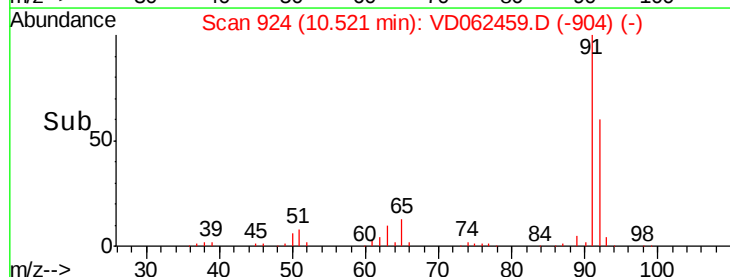
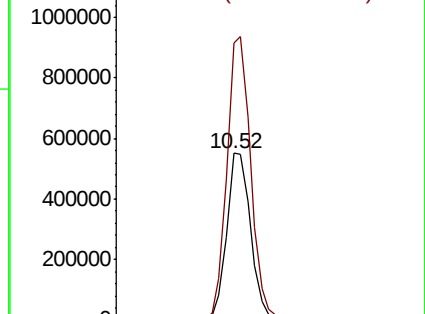
92 100

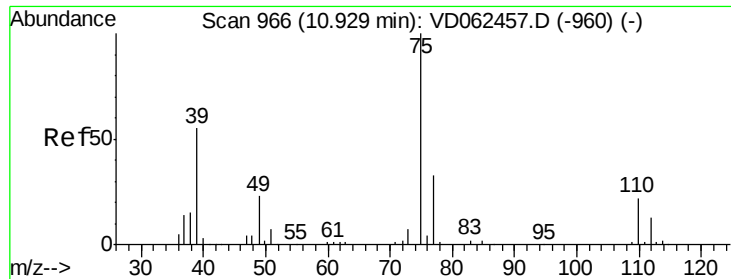
91 166.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

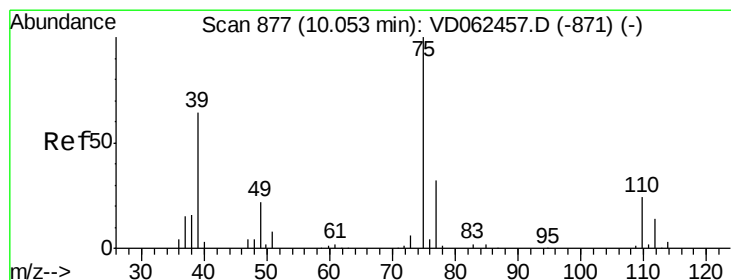
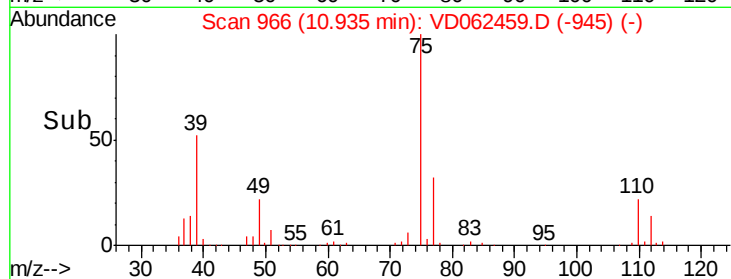
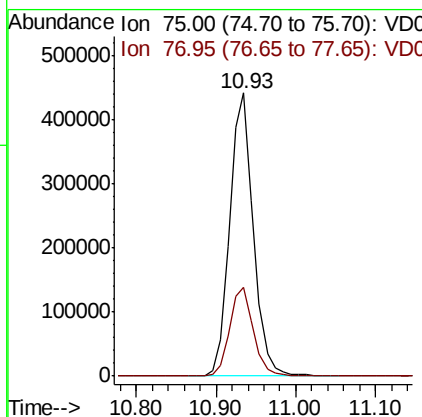
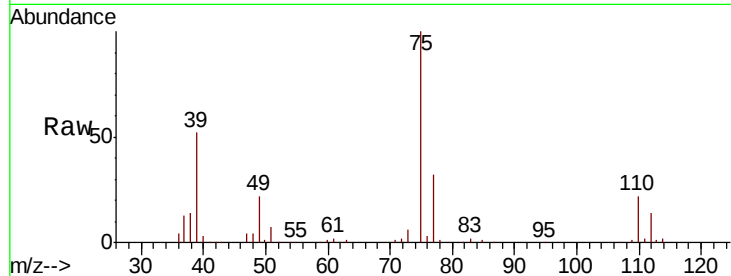




#53
 t-1,3-Dichloropropene
 Concen: 112.380 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

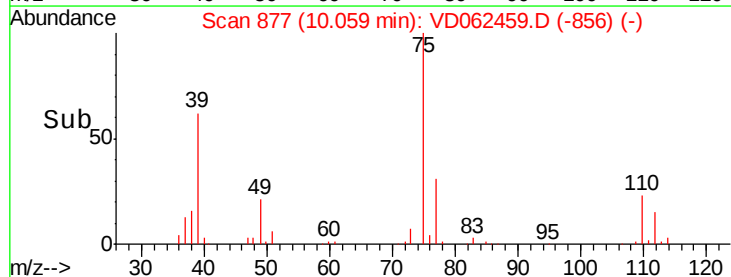
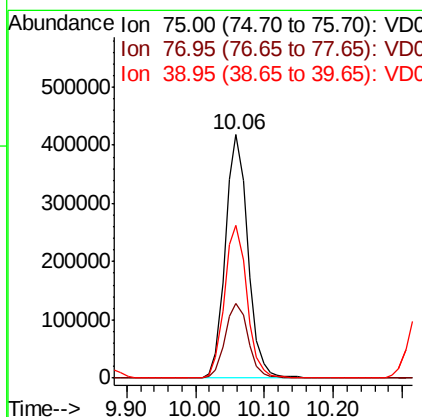
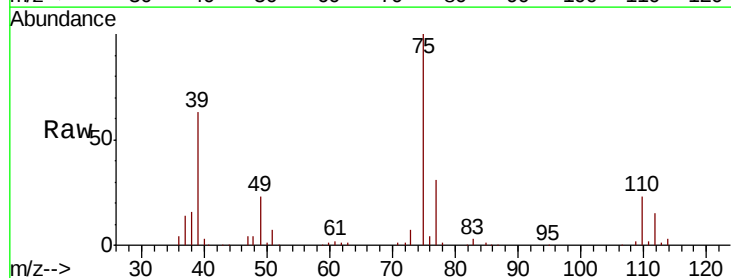
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

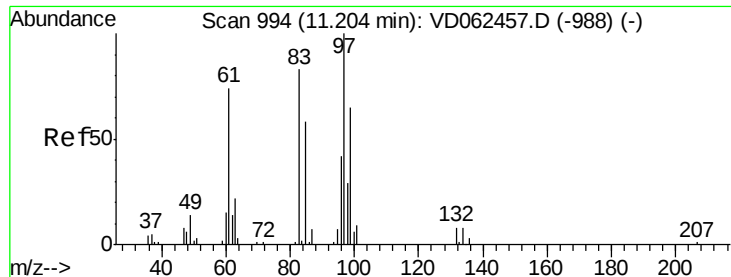
Tgt Ion: 75 Resp: 913520
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 106.730 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion: 75 Resp: 946476
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.5 38.3
 39 62.7 39.4 59.2#

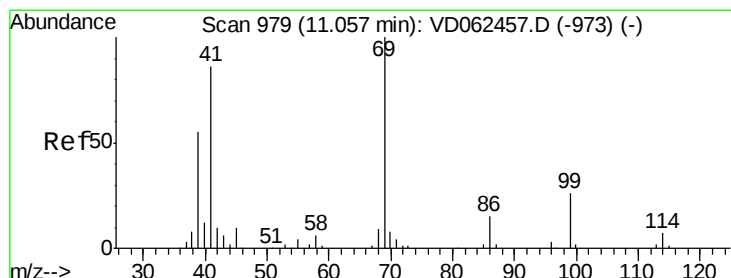
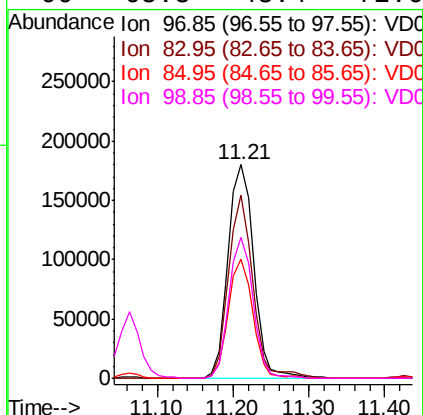
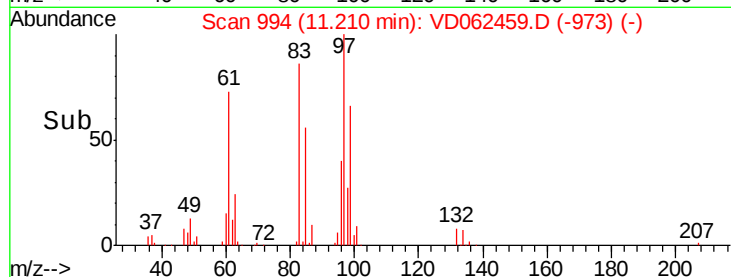
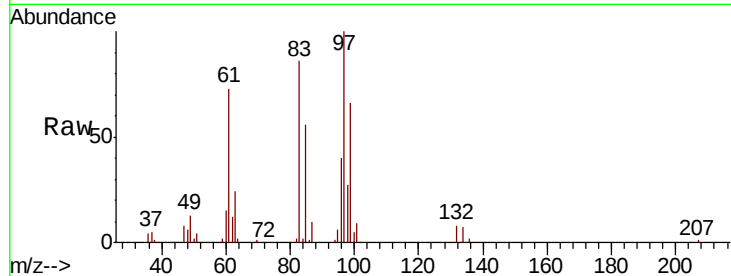




#55
 1,1,2-Trichloroethane
 Concen: 95.764 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

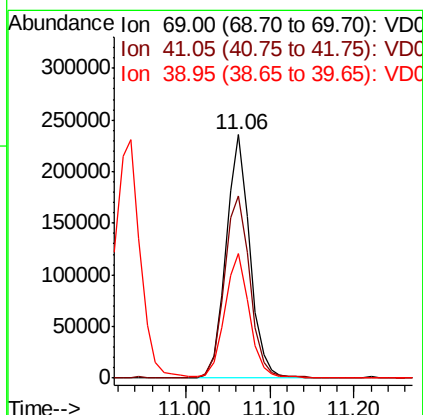
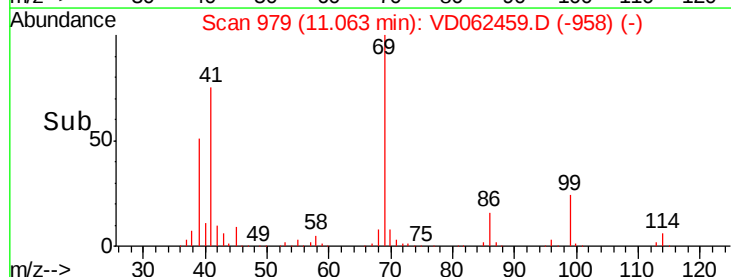
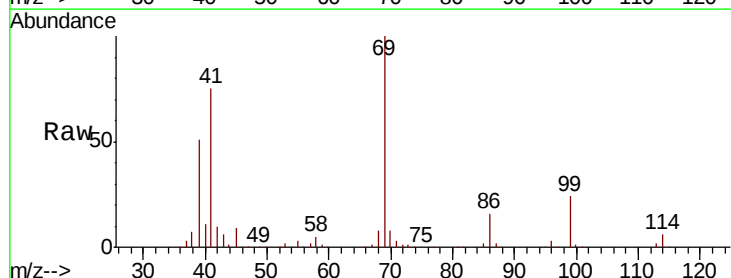
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

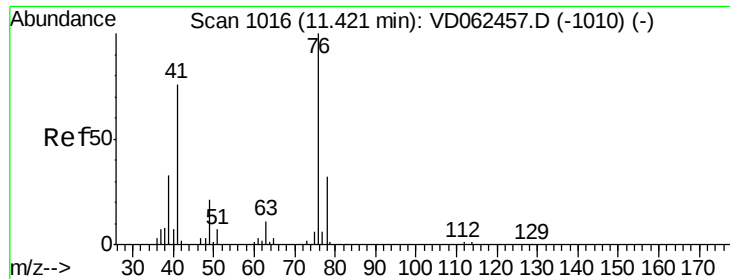
Tgt Ion: 97 Resp: 421443
 Ion Ratio Lower Upper
 97 100
 83 85.5 65.7 98.5
 85 55.7 45.6 68.4
 99 65.8 48.4 72.6



#56
 Ethyl methacrylate
 Concen: 100.733 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion: 69 Resp: 460668
 Ion Ratio Lower Upper
 69 100
 41 74.9 56.3 84.5
 39 51.2 29.4 44.2#





#57

1,3-Dichloropropane

Concen: 103.485 ug/l

RT: 11.43 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

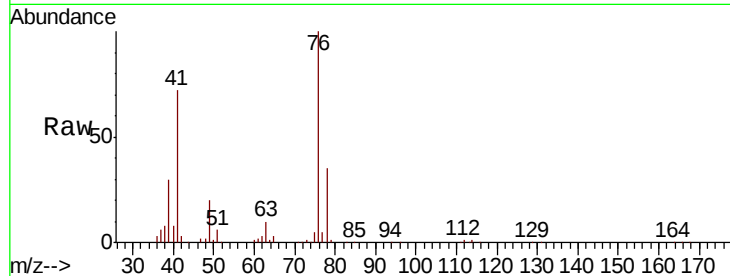
VSTDIC100

Tgt Ion: 76 Resp: 688034

Ion Ratio Lower Upper

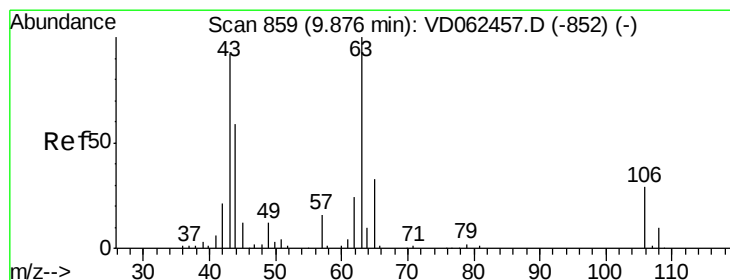
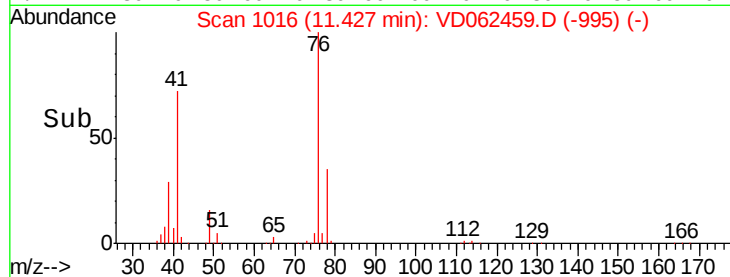
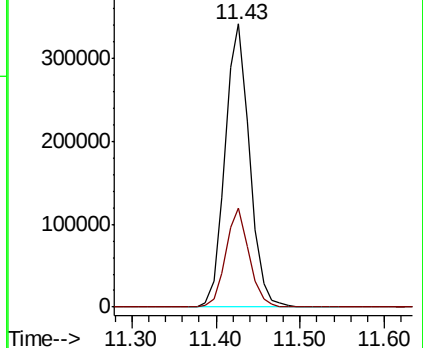
76 100

78 35.1 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 431.951 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.01 min

Lab File: VD062459.D

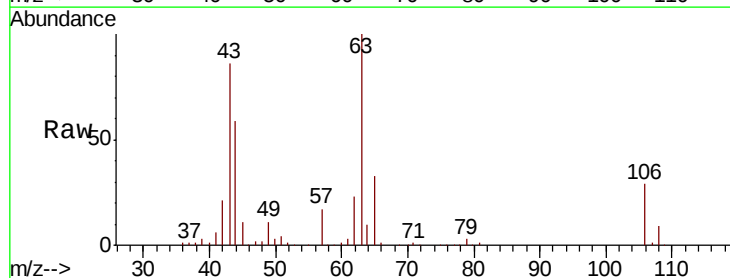
Acq: 20 May 2019 16:37

Tgt Ion: 63 Resp: 1079020

Ion Ratio Lower Upper

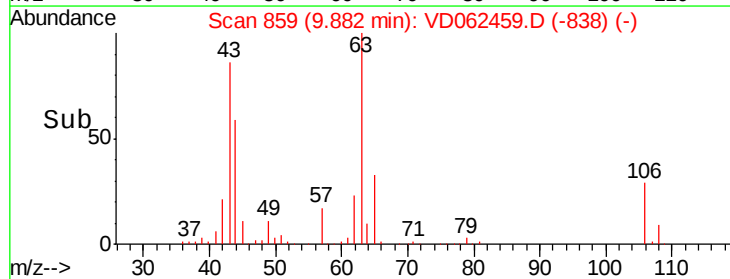
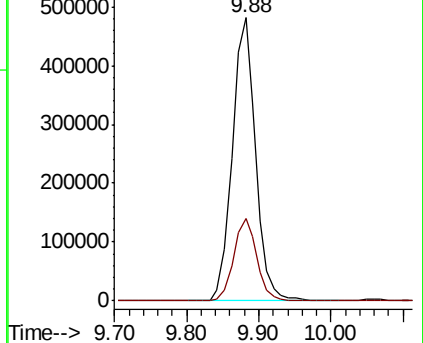
63 100

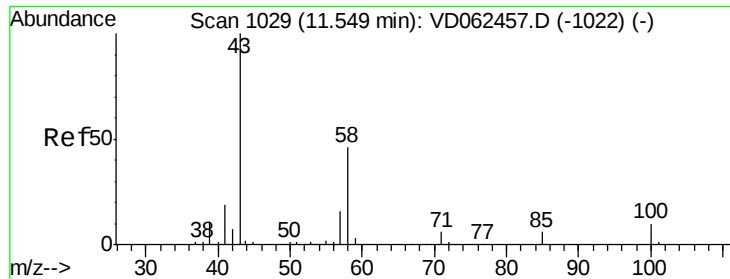
106 29.2 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

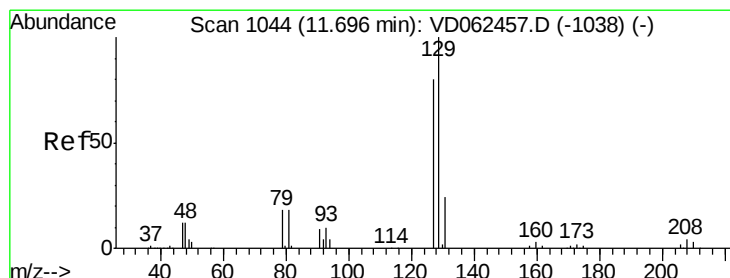
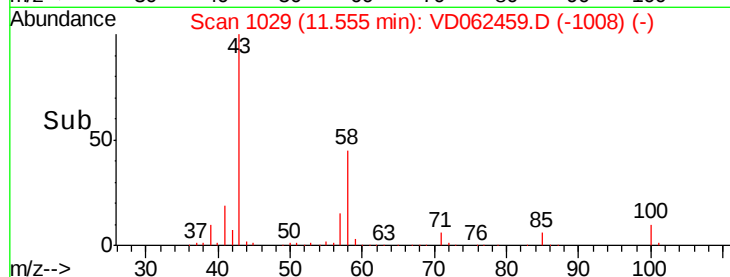
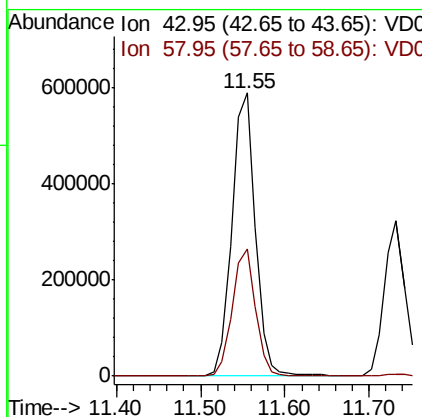
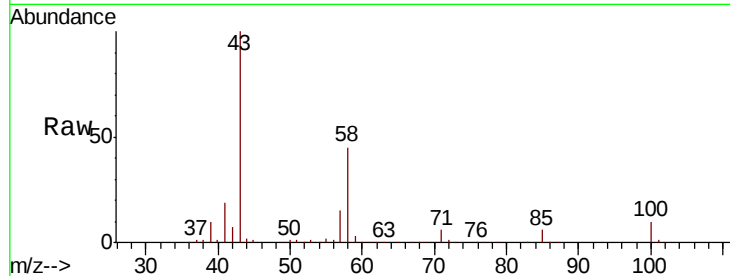




#59
2-Hexanone
Concen: 471.184 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

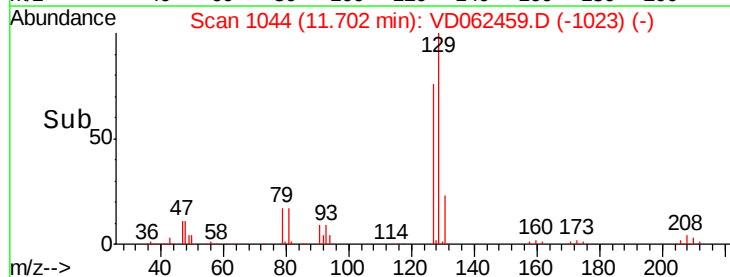
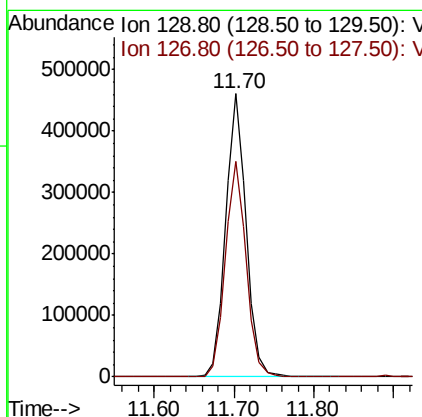
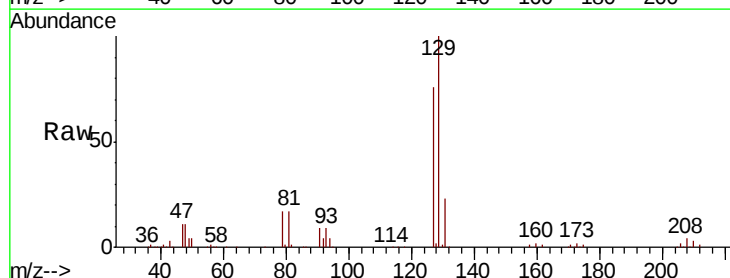
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

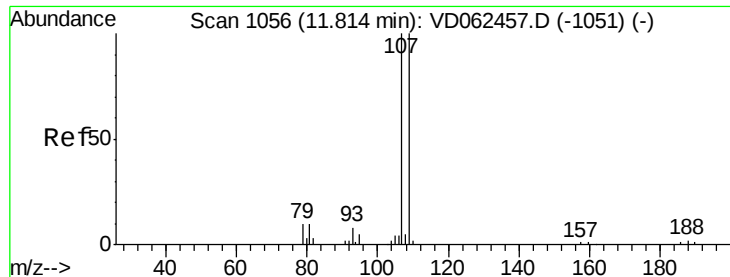
Tgt Ion: 43 Resp: 1136643
Ion Ratio Lower Upper
43 100
58 44.7 25.4 76.4



#60
Dibromochloromethane
Concen: 110.015 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

Tgt Ion: 129 Resp: 836731
Ion Ratio Lower Upper
129 100
127 76.3 38.0 113.9

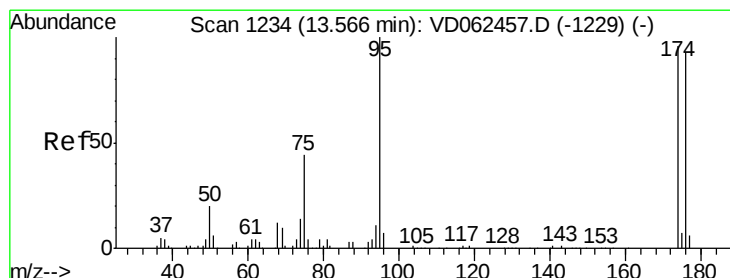
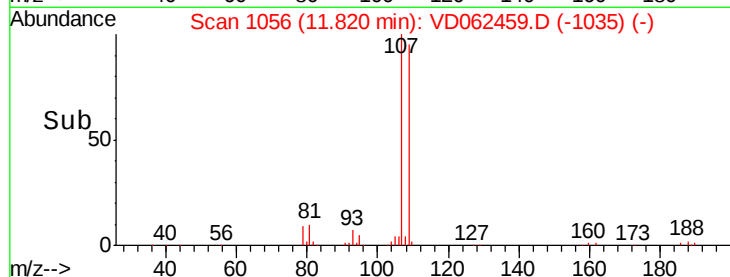
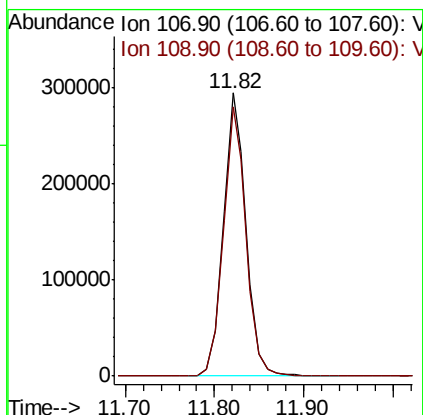
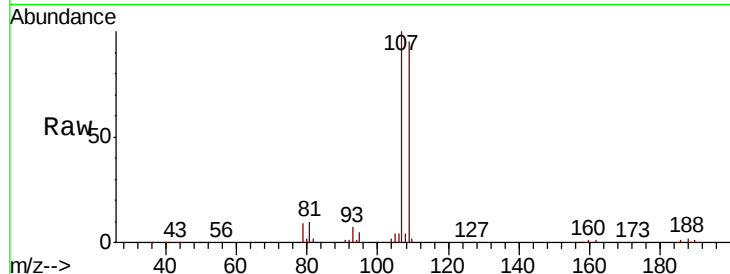




#61
 1,2-Dibromoethane
 Concen: 97.871 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

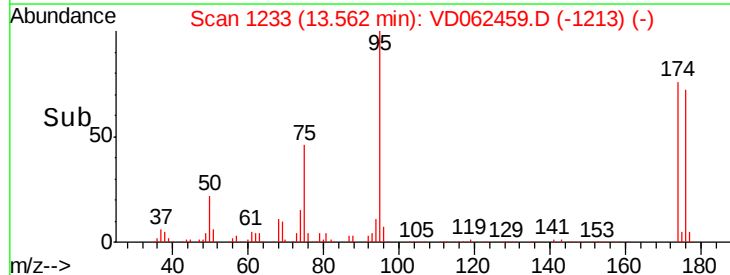
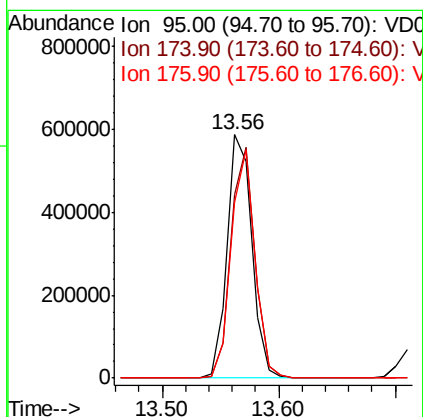
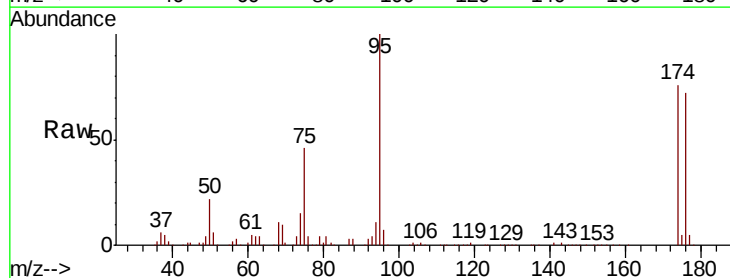
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

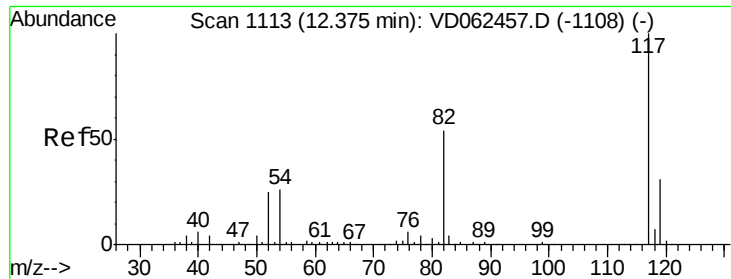
Tgt Ion: 107 Resp: 523652
 Ion Ratio Lower Upper
 107 100
 109 95.1 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 104.381 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion: 95 Resp: 865793
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 181.8
 176 72.0 0.0 174.4

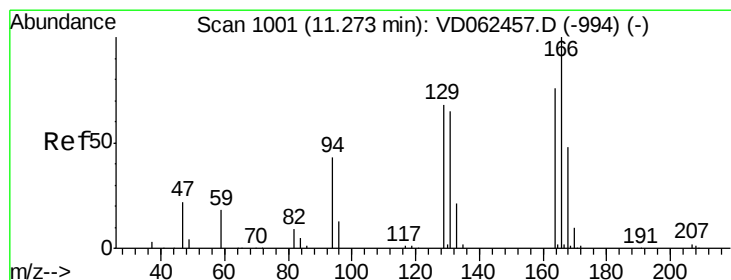
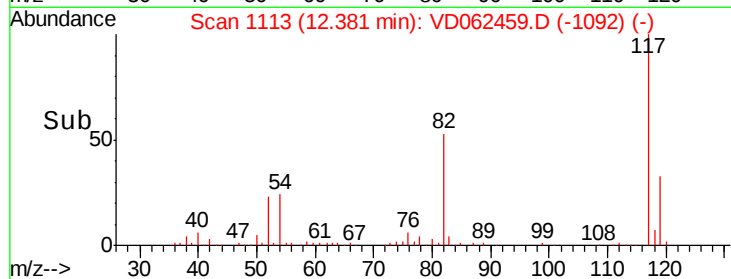
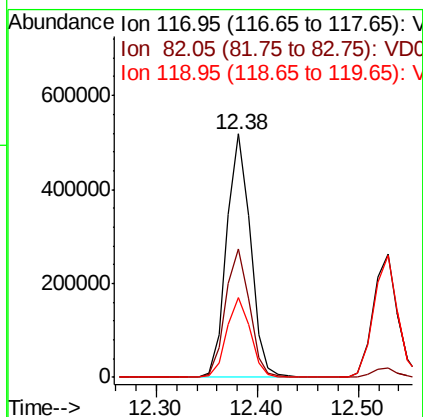
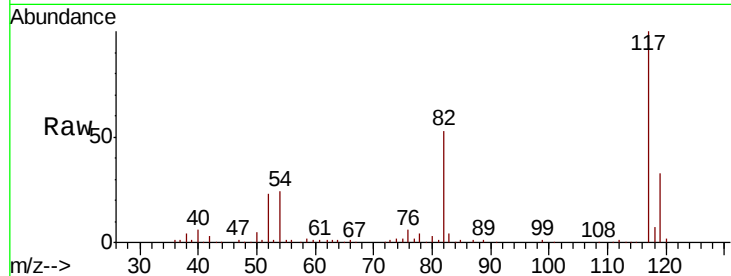




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

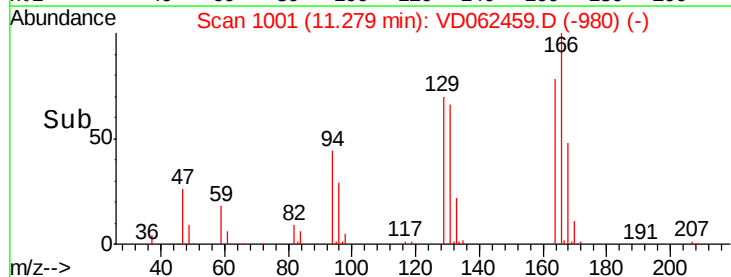
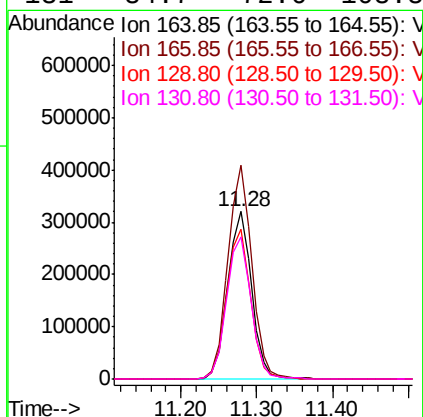
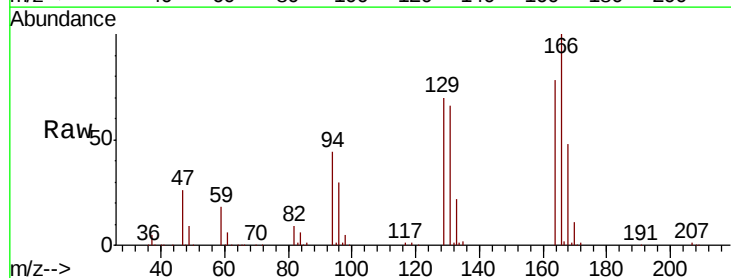
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

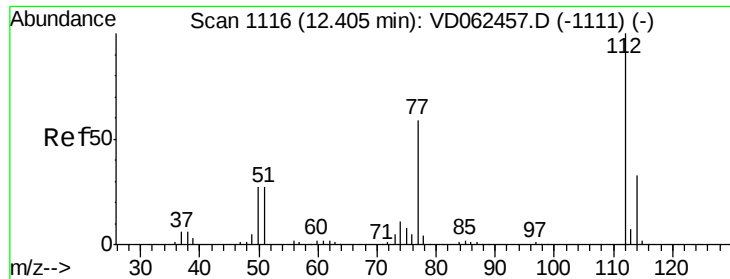
Tgt Ion:117 Resp: 849408
Ion Ratio Lower Upper
117 100
82 53.0 36.2 54.2
119 32.8 26.2 39.4



#64
Tetrachloroethene
Concen: 104.814 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

Tgt Ion:164 Resp: 696178
Ion Ratio Lower Upper
164 100
166 127.7 101.5 152.3
129 89.7 74.6 112.0
131 84.7 72.6 108.8

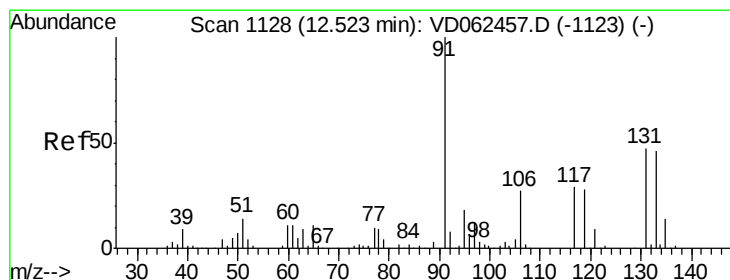
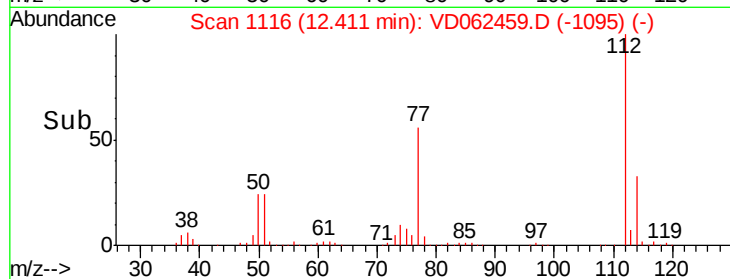
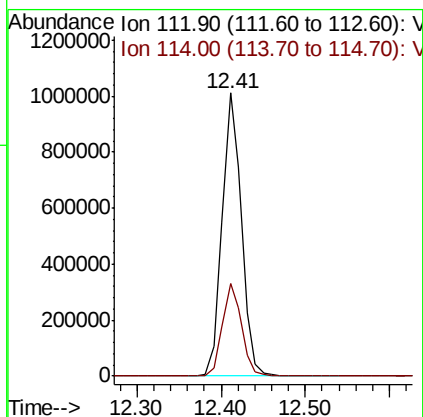
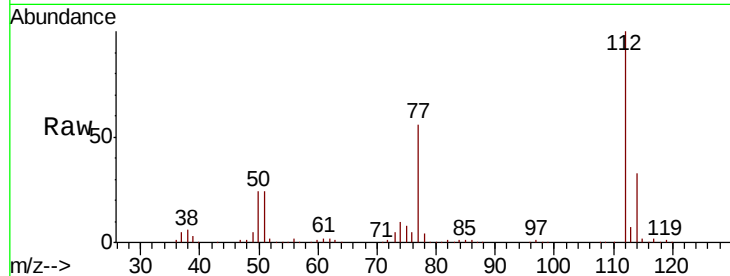




#65
Chlorobenzene
Concen: 101.707 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

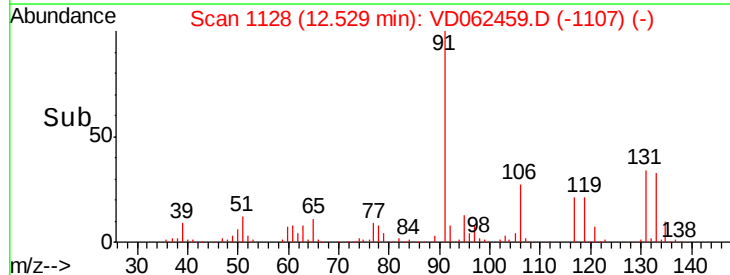
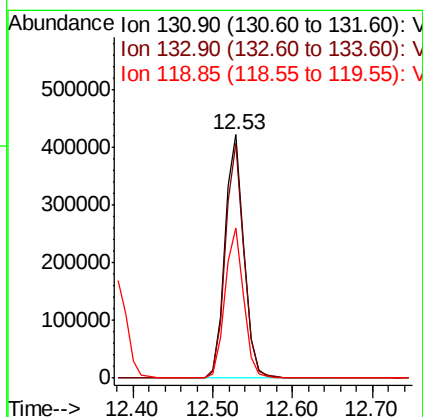
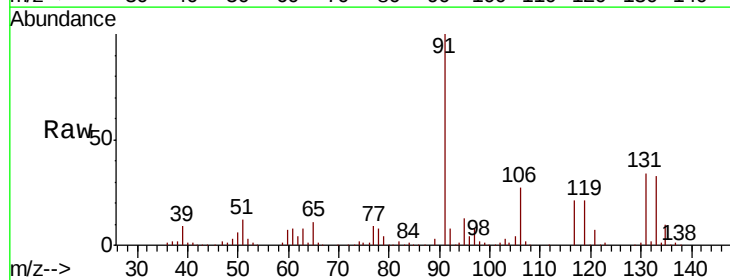
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

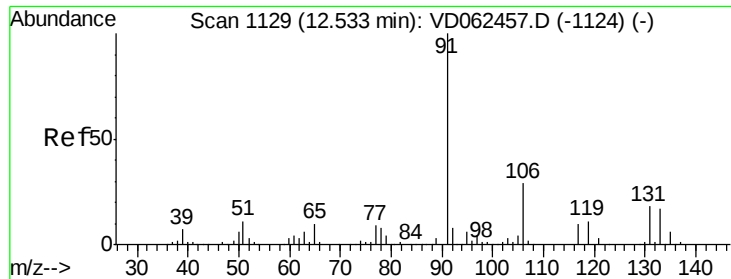
Tgt Ion:112 Resp: 1609056
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 102.407 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

Tgt Ion:131 Resp: 705101
Ion Ratio Lower Upper
131 100
133 96.4 48.6 145.8
119 61.4 34.7 104.1

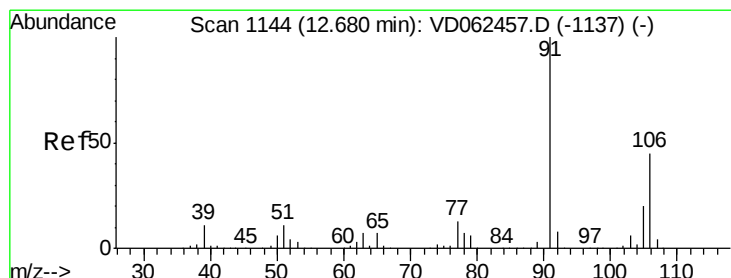
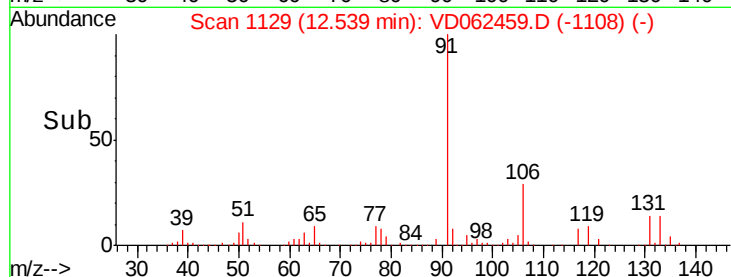
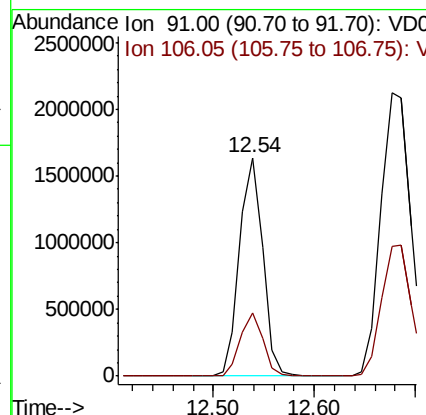
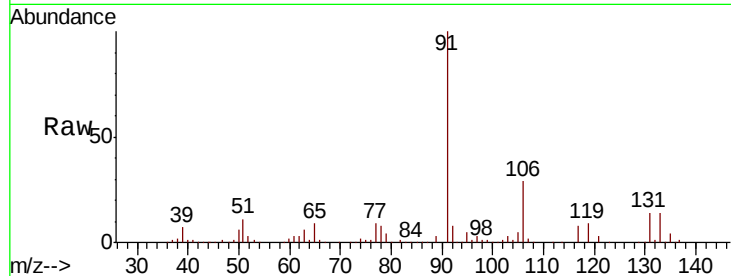




#67
Ethyl Benzene
Concen: 99.465 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

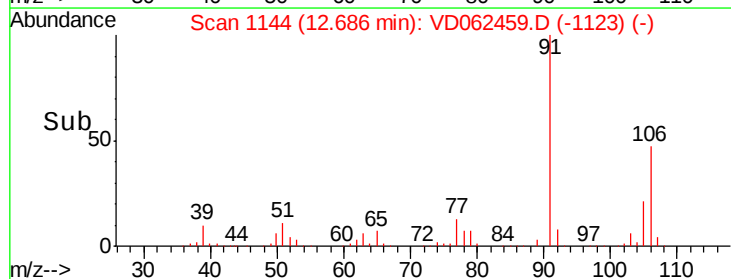
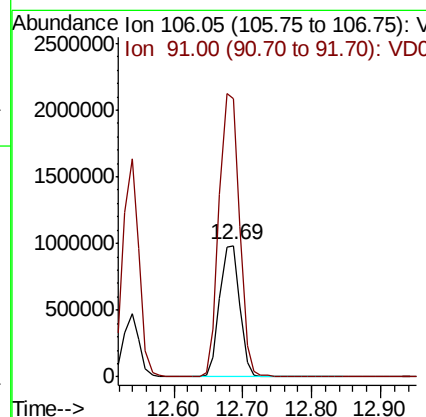
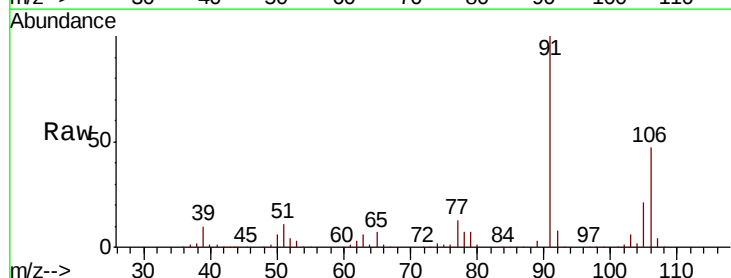
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

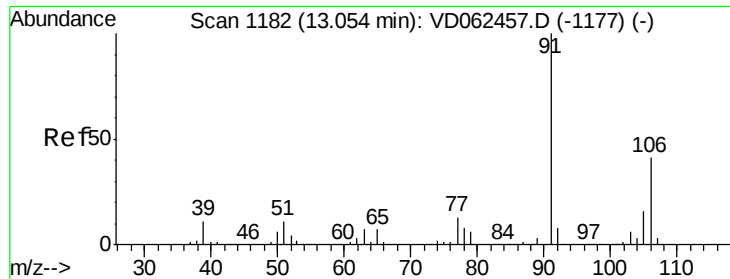
Tgt Ion: 91 Resp: 2634407
Ion Ratio Lower Upper
91 100
106 28.7 24.7 37.1



#68
m/p-Xylenes
Concen: 207.325 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

Tgt Ion: 106 Resp: 1997819
Ion Ratio Lower Upper
106 100
91 211.5 164.0 246.0

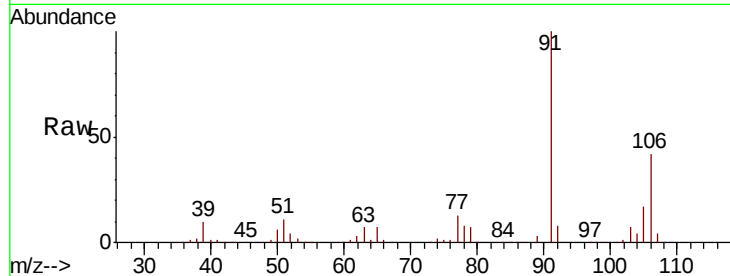




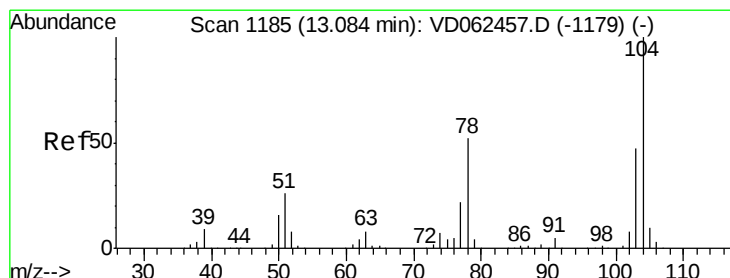
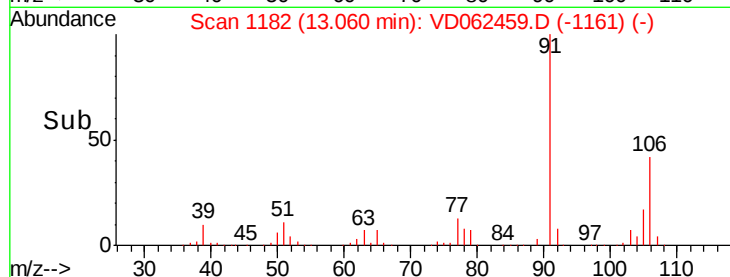
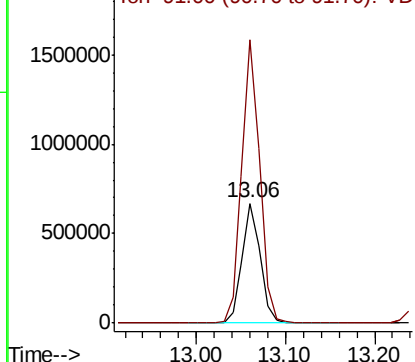
#69
o-Xylene
Concen: 106.558 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 954614
Ion Ratio Lower Upper
106 100
91 235.7 106.7 319.9

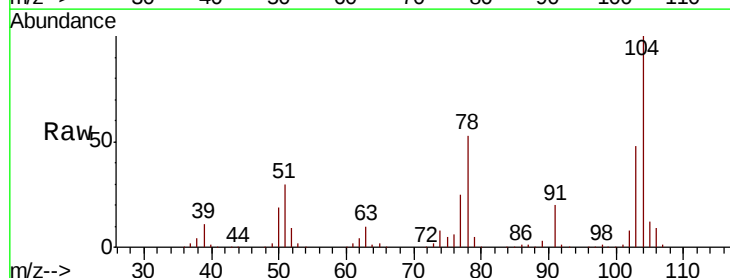


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

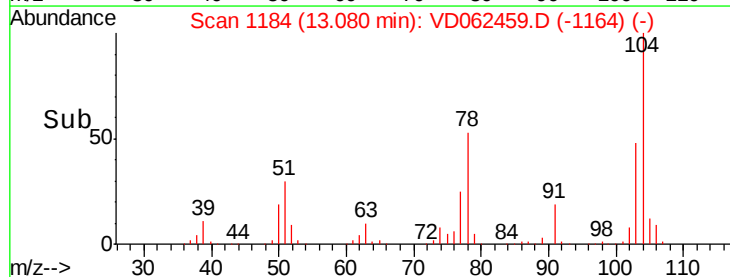
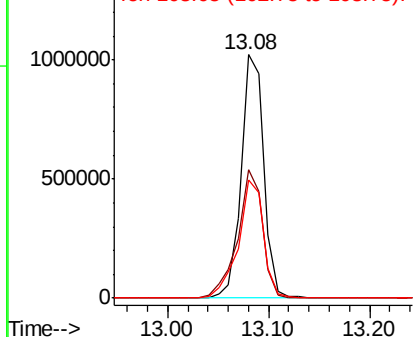


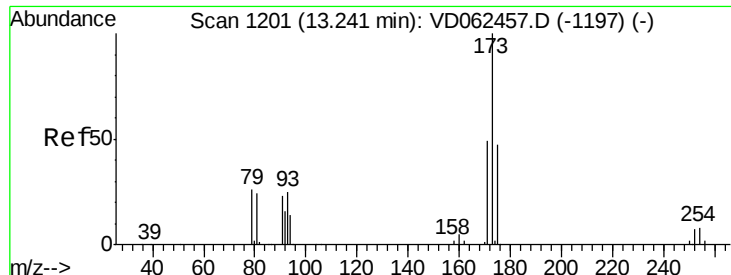
#70
Styrene
Concen: 104.579 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062459.D
Acq: 20 May 2019 16:37

Tgt Ion:104 Resp: 1587092
Ion Ratio Lower Upper
104 100
78 52.7 35.4 53.2
103 48.4 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: 104.095 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

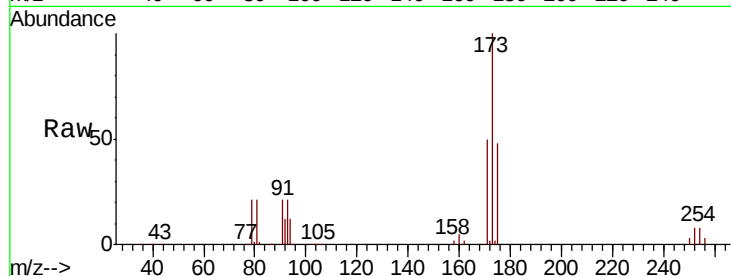
Tgt Ion:173 Resp: 498651

Ion Ratio Lower Upper

173 100

175 47.6 24.4 73.4

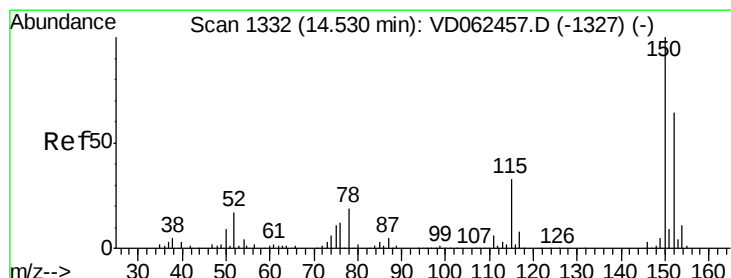
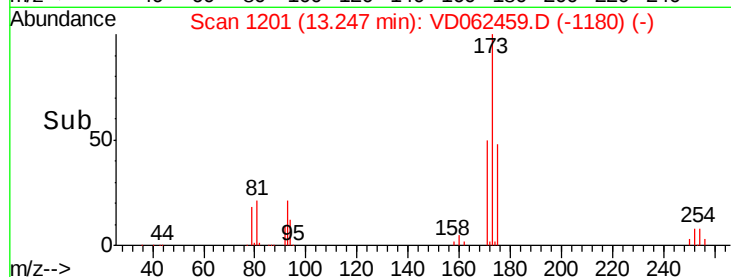
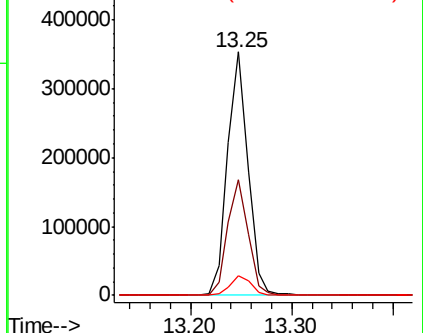
254 8.3 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

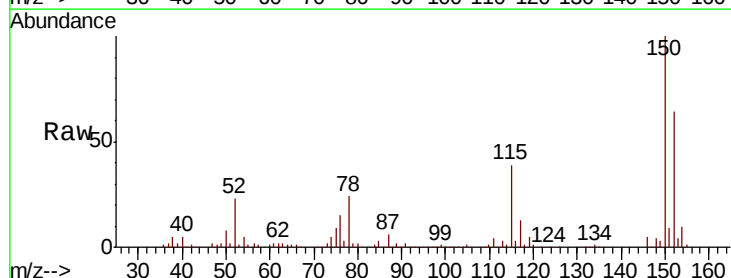
Tgt Ion:152 Resp: 415196

Ion Ratio Lower Upper

152 100

115 60.5 30.9 92.7

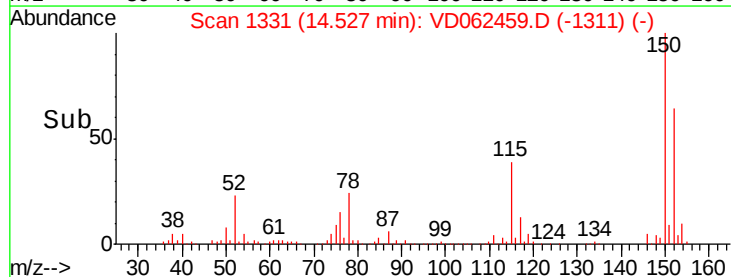
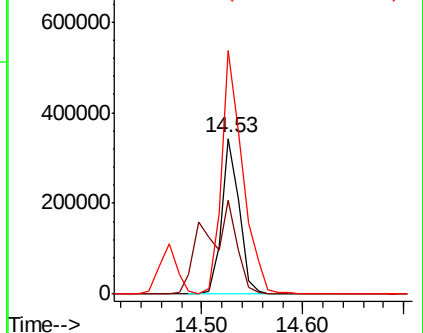
150 156.5 0.0 314.8

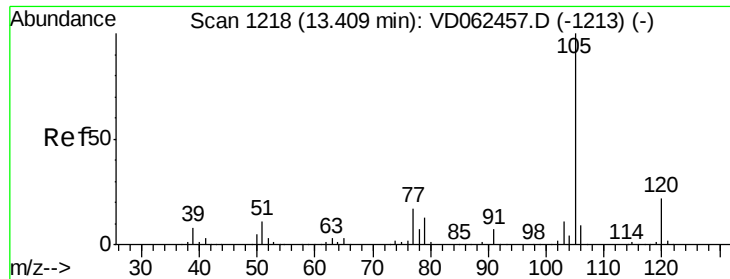


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 104.959 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

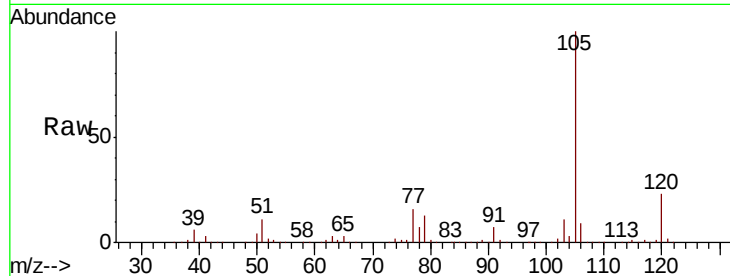
VSTDIC100

Tgt Ion:105 Resp: 2612231

Ion Ratio Lower Upper

105 100

120 23.2 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2000000

1500000

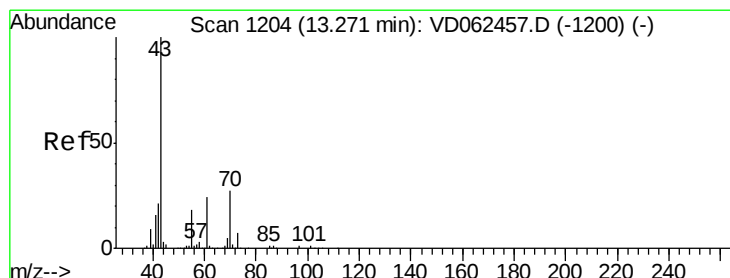
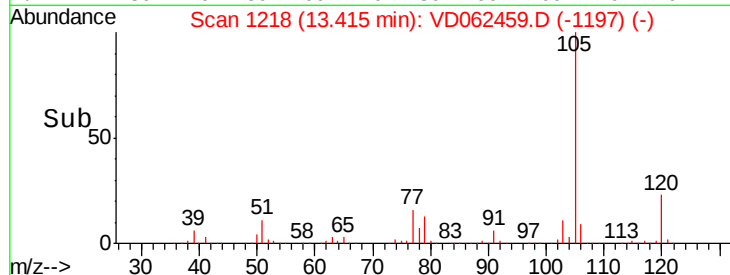
1000000

500000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 103.962 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Tgt Ion: 43 Resp: 678371

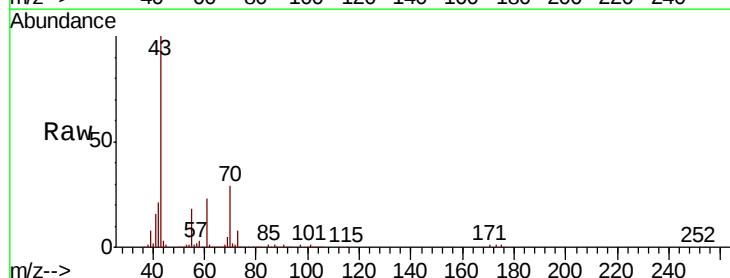
Ion Ratio Lower Upper

43 100

70 28.5 24.2 36.4

55 18.4 16.0 24.0

61 23.3 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

800000

600000

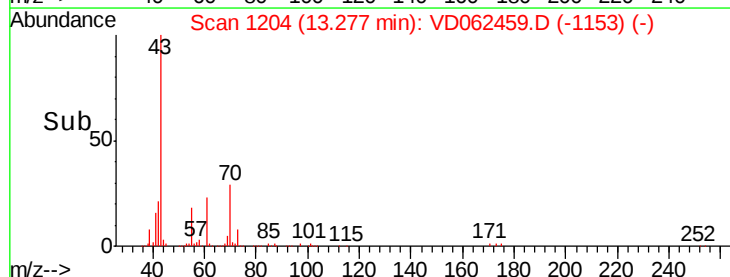
400000

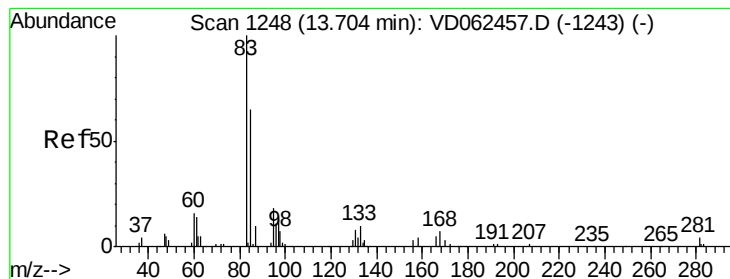
200000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 99.740 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

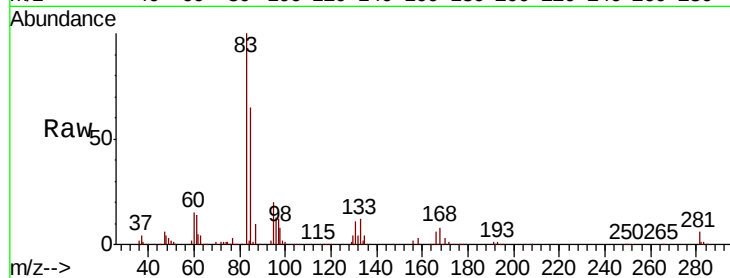
Tgt Ion: 83 Resp: 469940

Ion Ratio Lower Upper

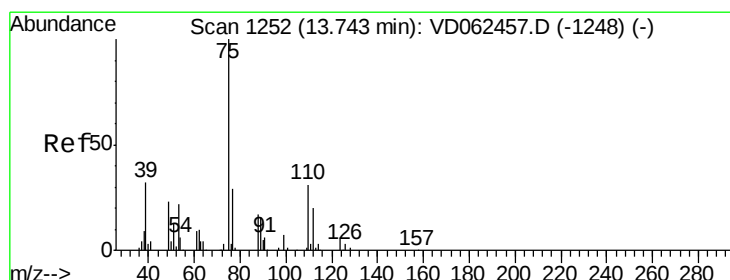
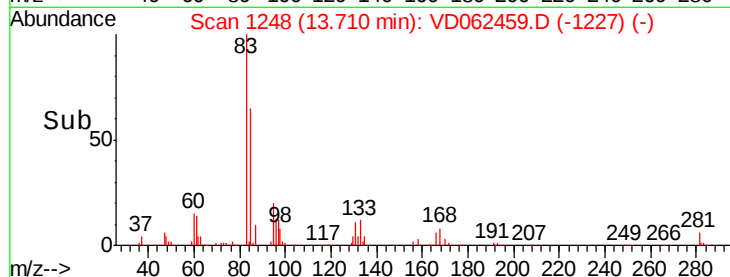
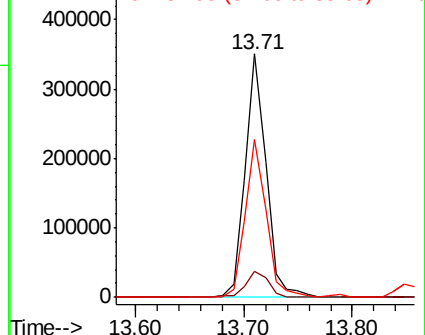
83 100

131 10.9 5.0 14.9

85 64.9 32.6 97.7



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



#76

1,2,3-Trichloropropane

Concen: 102.992 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062459.D

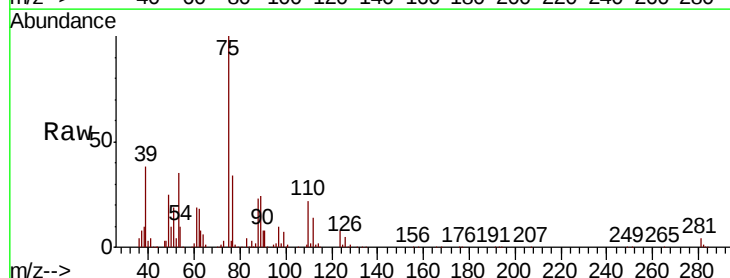
Acq: 20 May 2019 16:37

Tgt Ion: 75 Resp: 508190

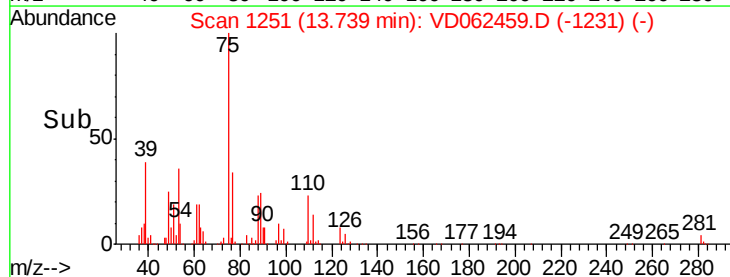
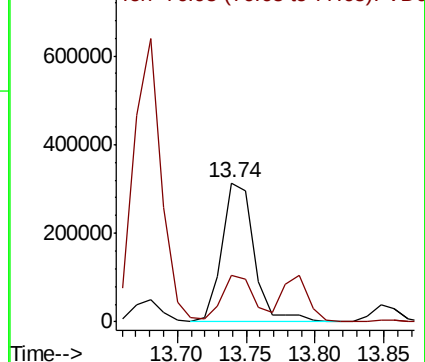
Ion Ratio Lower Upper

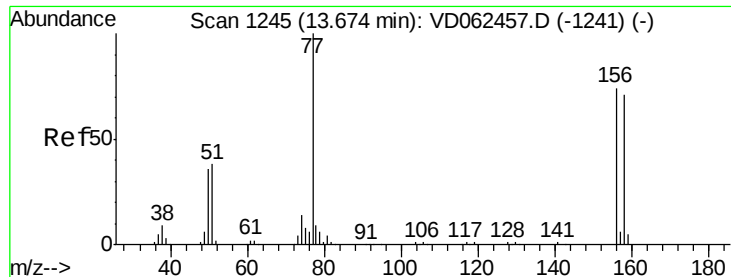
75 100

77 33.7 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: 105.699 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

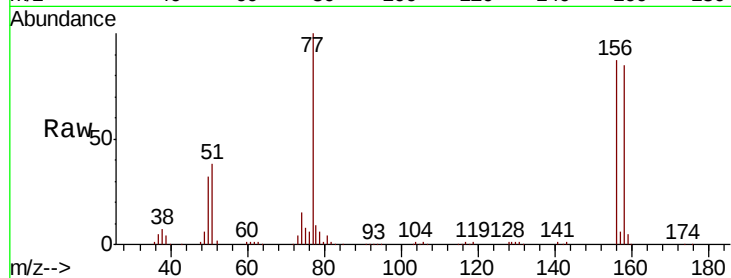
Tgt Ion:156 Resp: 736414

Ion Ratio Lower Upper

156 100

77 115.5 53.1 159.4

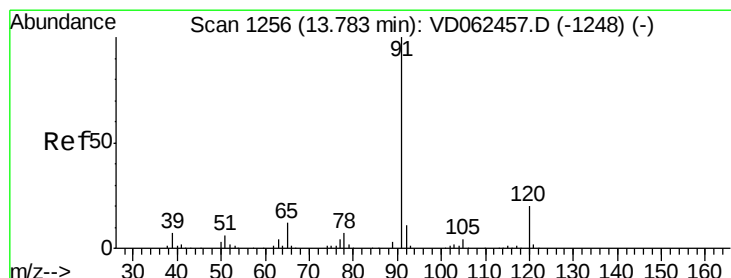
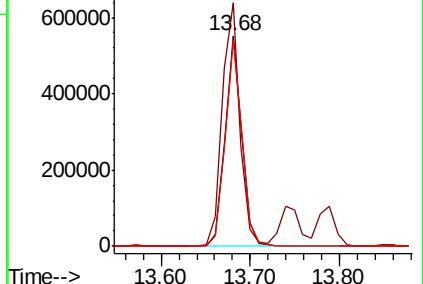
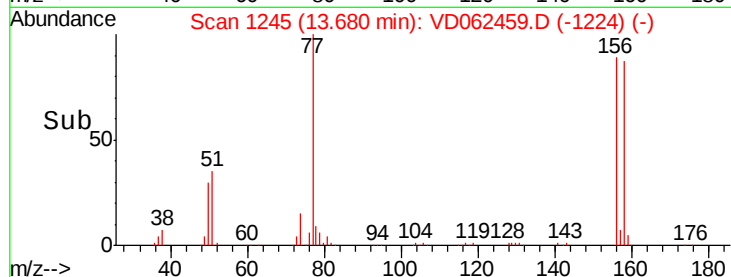
158 97.8 49.4 148.0



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: 111.081 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD062459.D

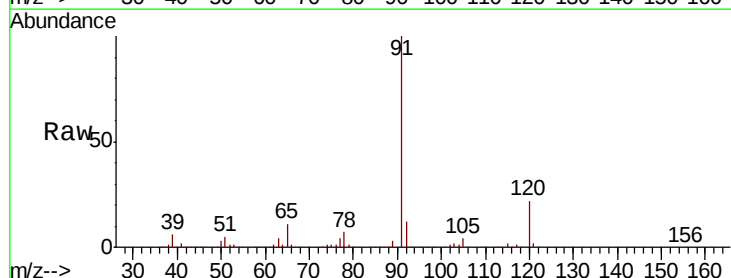
Acq: 20 May 2019 16:37

Tgt Ion: 91 Resp: 3297843

Ion Ratio Lower Upper

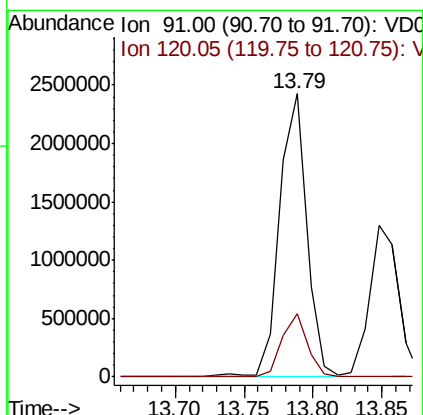
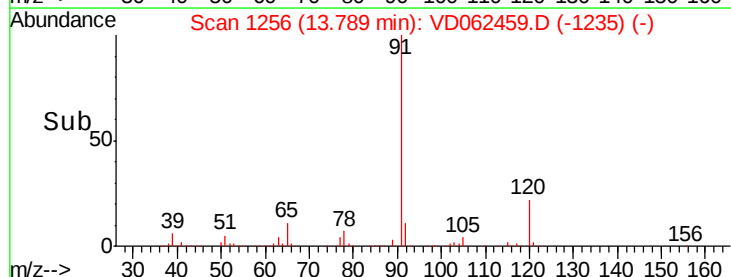
91 100

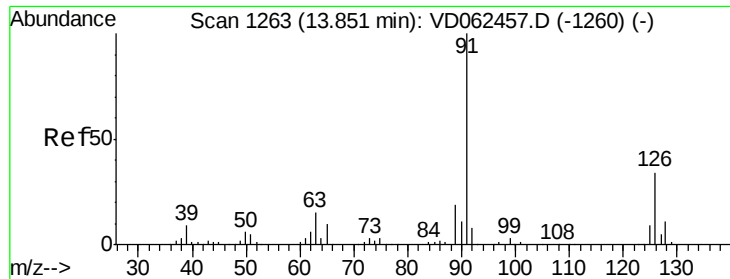
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

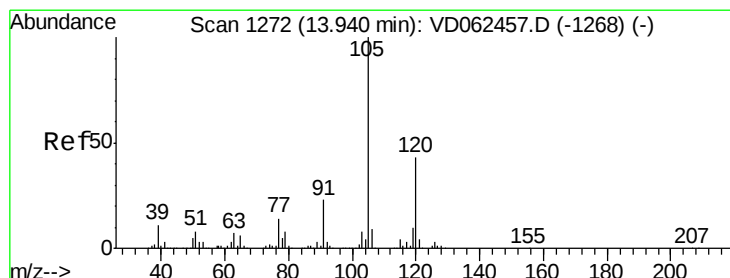
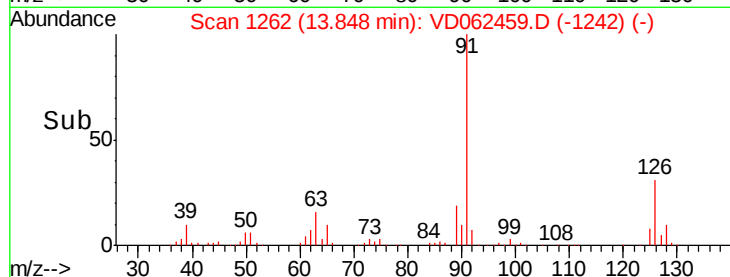
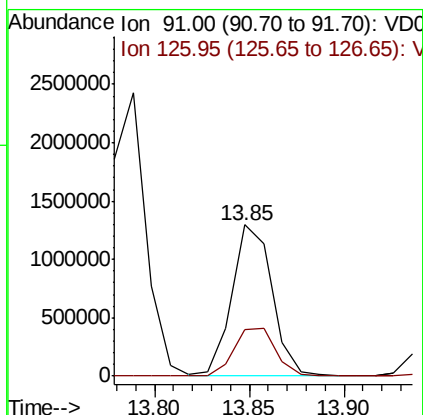
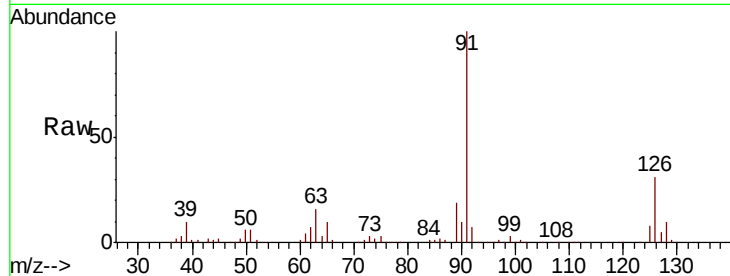




#79
 2-Chlorotoluene
 Concen: 111.224 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

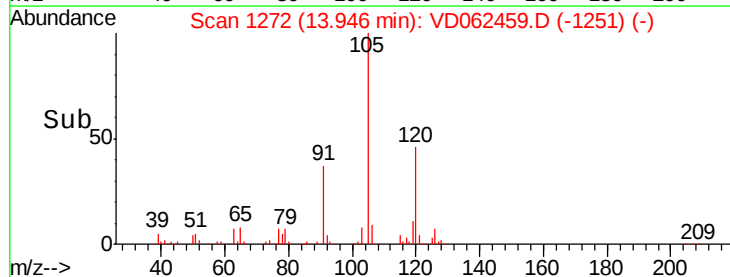
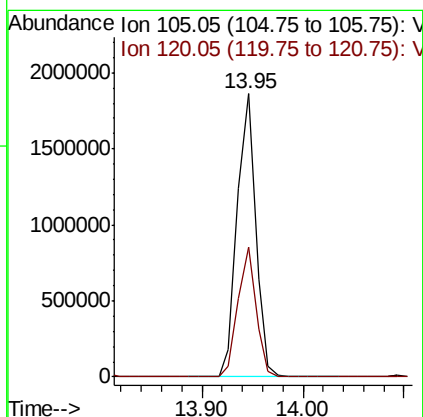
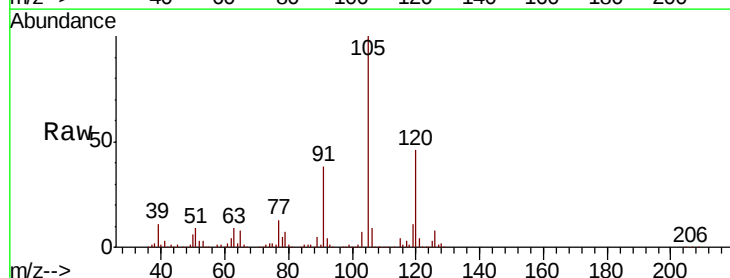
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

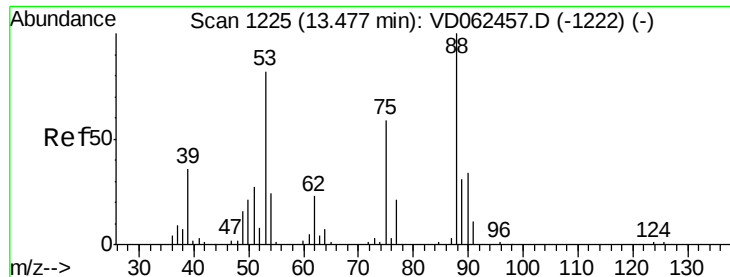
Tgt Ion: 91 Resp: 1891173
 Ion Ratio Lower Upper
 91 100
 126 31.0 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 113.351 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion: 105 Resp: 2375589
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 103.049 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

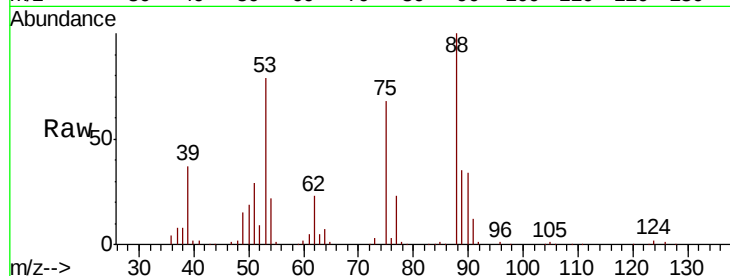
Tgt Ion: 75 Resp: 143544

Ion Ratio Lower Upper

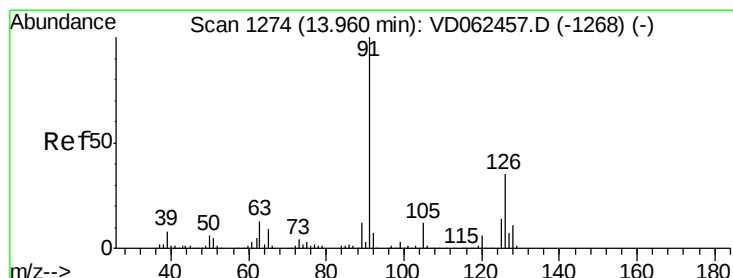
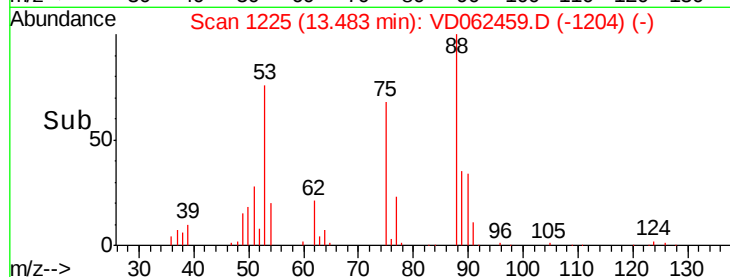
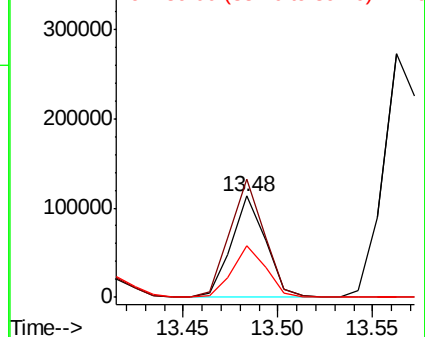
75 100

53 116.6 65.8 98.8#

89 50.9 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 107.510 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD062459.D

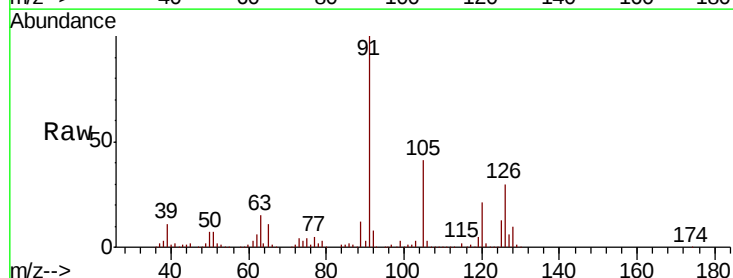
Acq: 20 May 2019 16:37

Tgt Ion: 91 Resp: 2151126

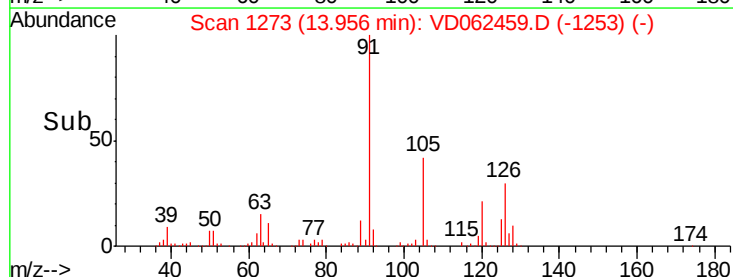
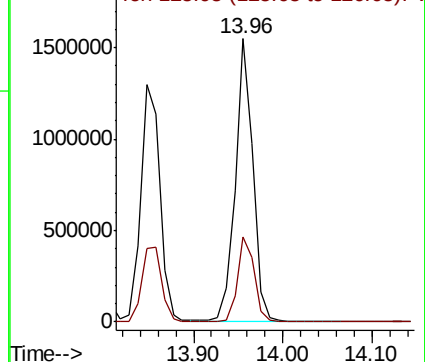
Ion Ratio Lower Upper

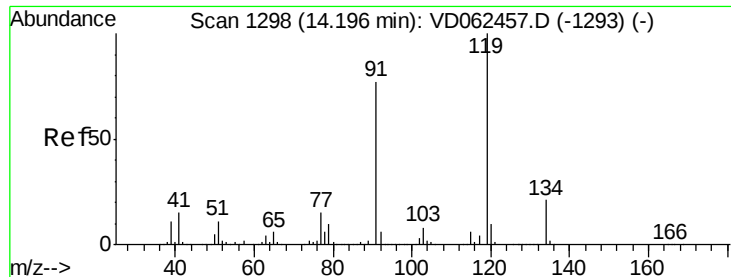
91 100

126 30.1 19.1 57.5



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

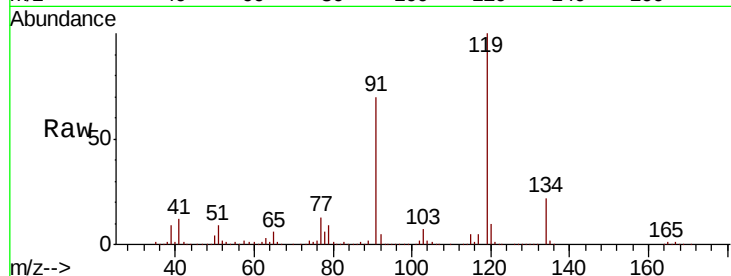




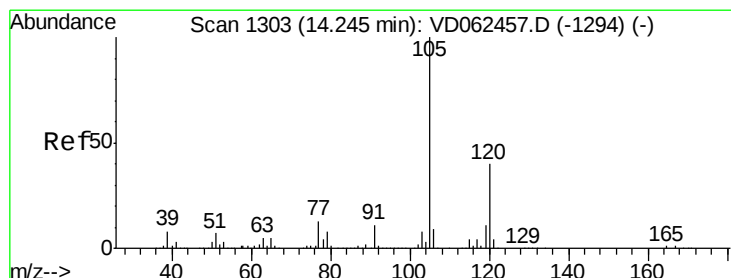
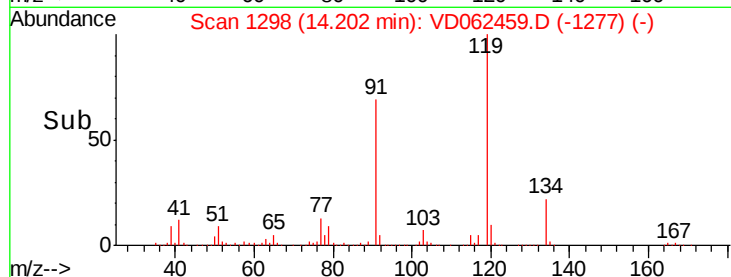
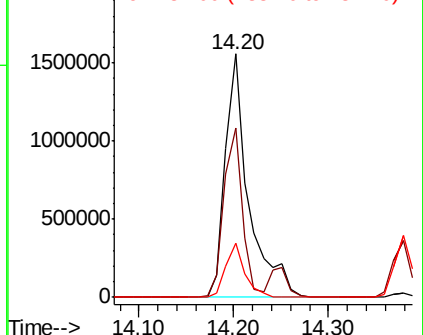
#83
 tert-Butylbenzene
 Concen: 113.518 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 2674072
 Ion Ratio Lower Upper
 119 100
 91 69.7 34.2 102.6
 134 22.1 12.0 36.0

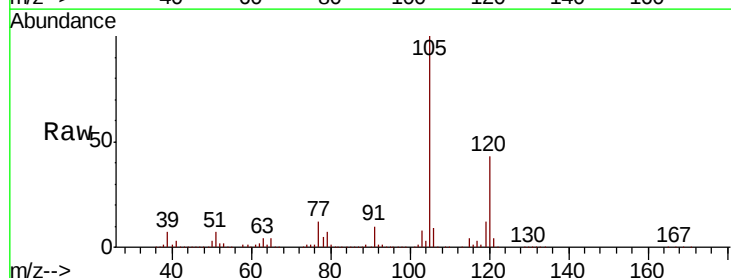


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

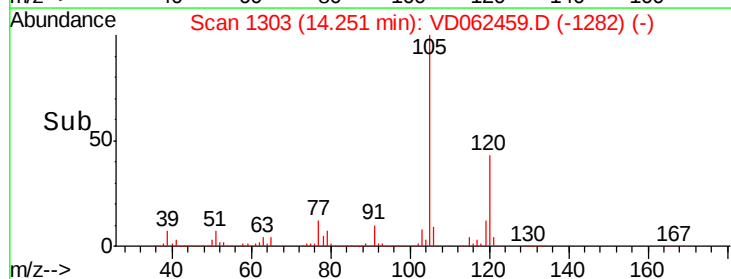
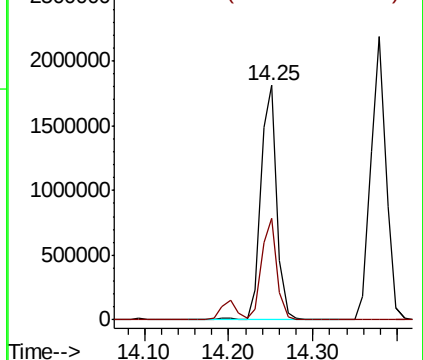


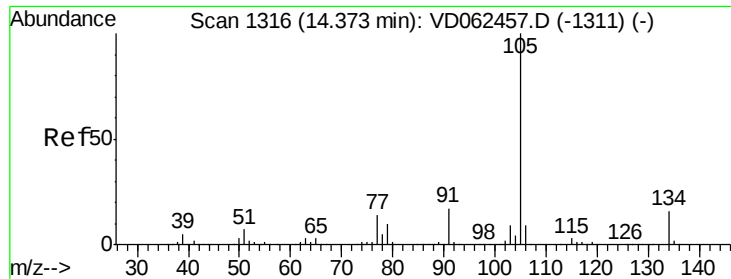
#84
 1,2,4-Trimethylbenzene
 Concen: 114.933 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion:105 Resp: 2417180
 Ion Ratio Lower Upper
 105 100
 120 43.1 23.1 69.2



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

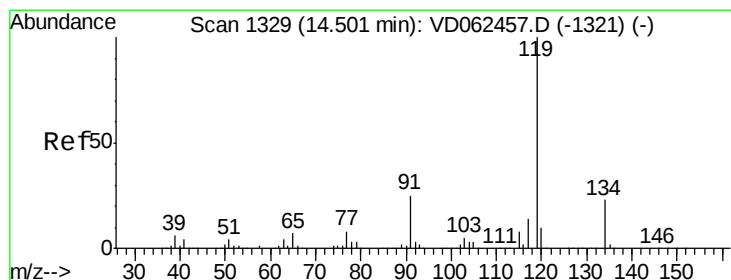
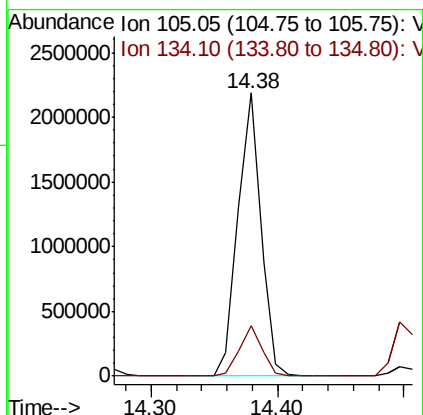
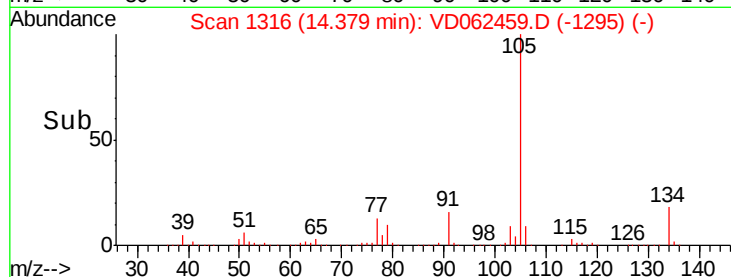
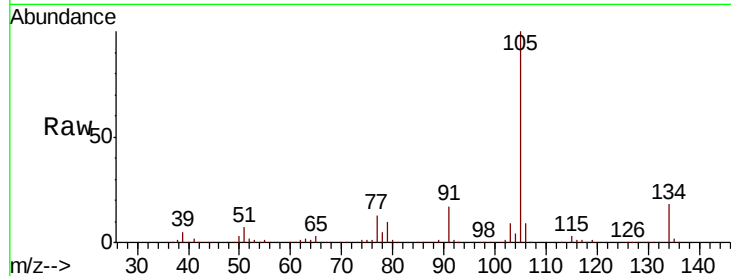




#85
 sec-Butylbenzene
 Concen: 106.694 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

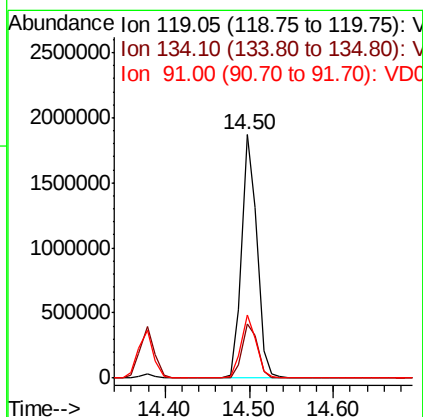
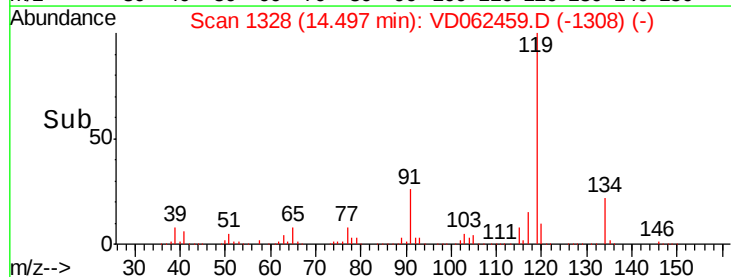
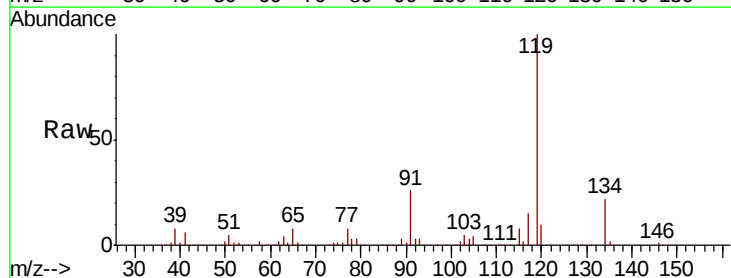
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

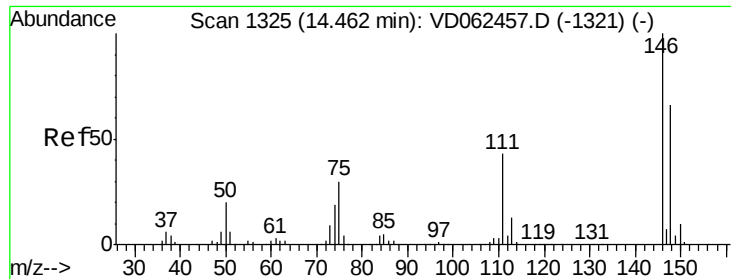
Tgt Ion:105 Resp: 2755626
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 102.518 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion:119 Resp: 2365630
 Ion Ratio Lower Upper
 119 100
 134 22.2 12.8 38.3
 91 26.2 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 101.532 ug/l

RT: 14.47 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

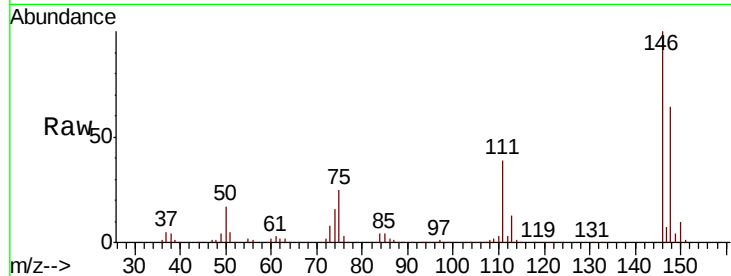
Tgt Ion:146 Resp: 1292218

Ion Ratio Lower Upper

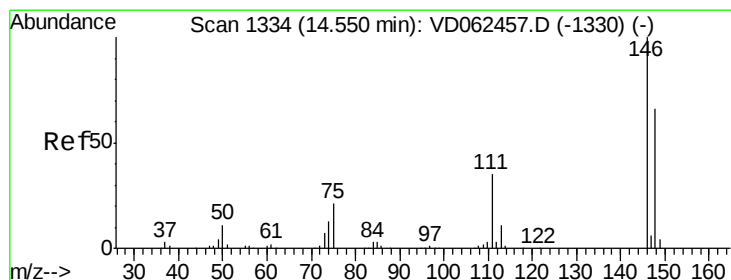
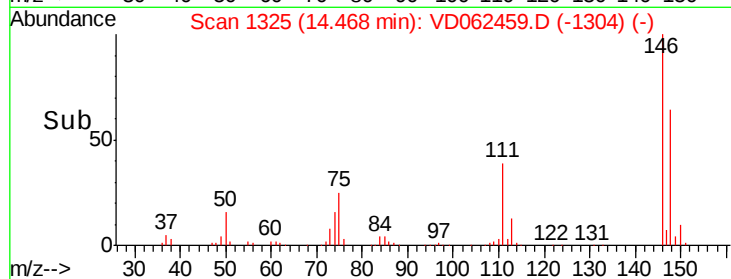
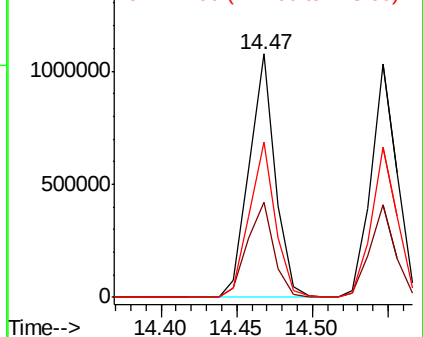
146 100

111 38.9 20.0 60.0

148 63.6 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: 98.882 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

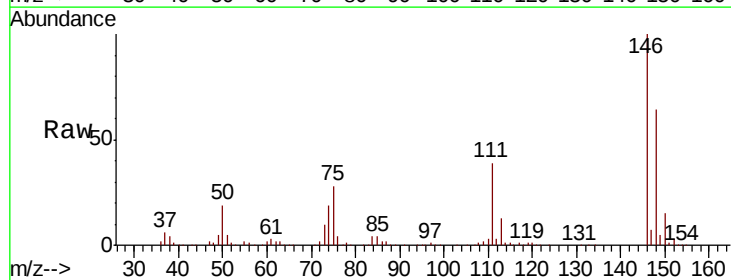
Tgt Ion:146 Resp: 1236558

Ion Ratio Lower Upper

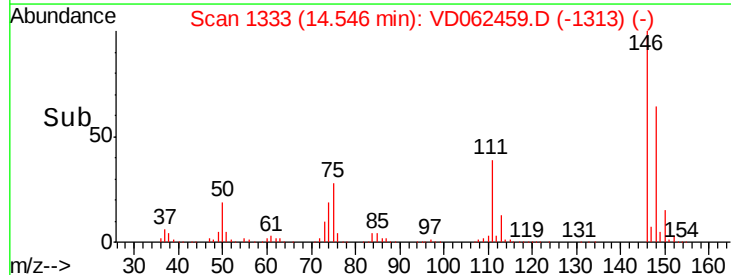
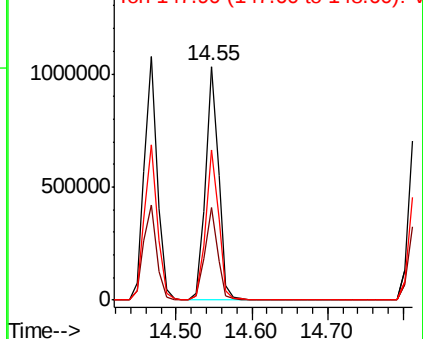
146 100

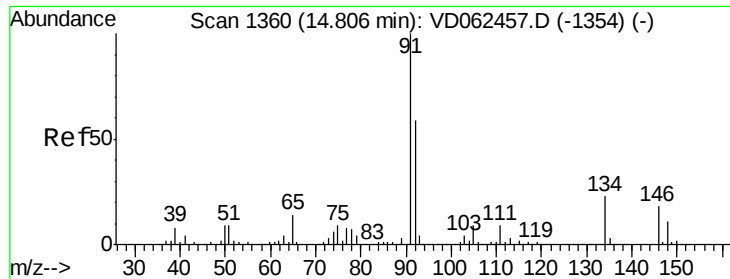
111 39.4 20.2 60.5

148 64.5 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: 111.446 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

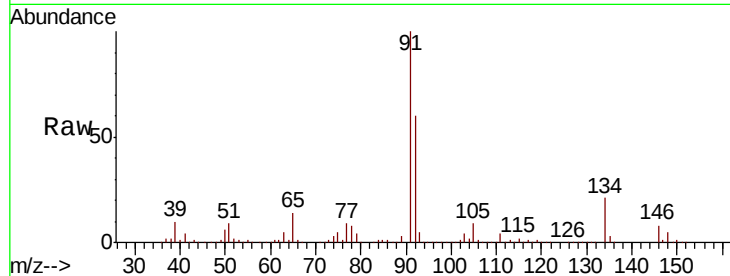
Tgt Ion: 91 Resp: 2308241

Ion Ratio Lower Upper

91 100

92 59.9 30.3 91.0

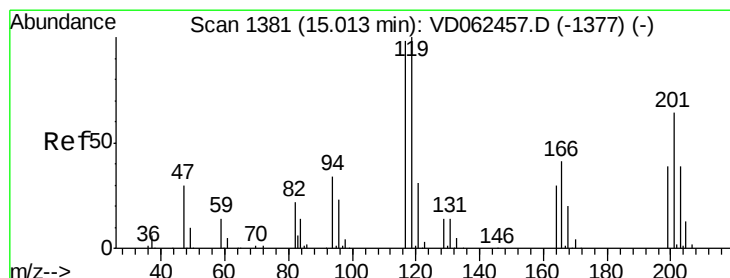
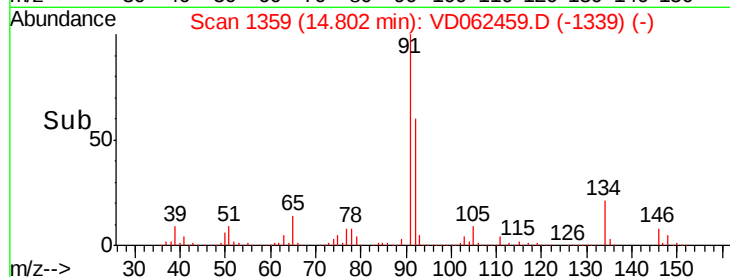
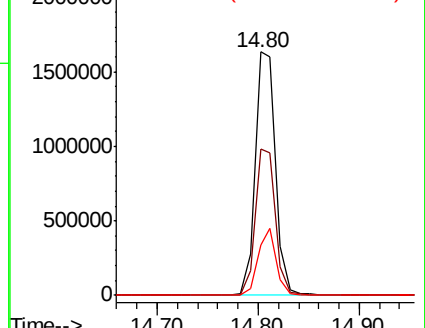
134 20.9 14.5 43.6



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: 117.268 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062459.D

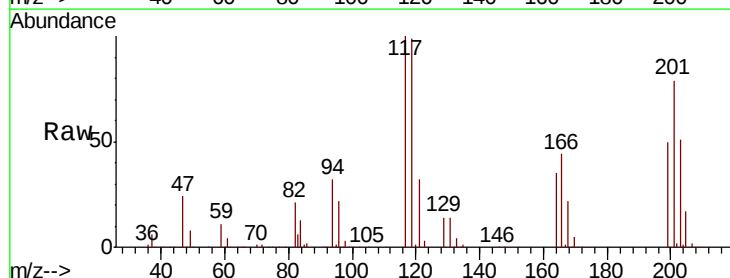
Acq: 20 May 2019 16:37

Tgt Ion: 117 Resp: 735890

Ion Ratio Lower Upper

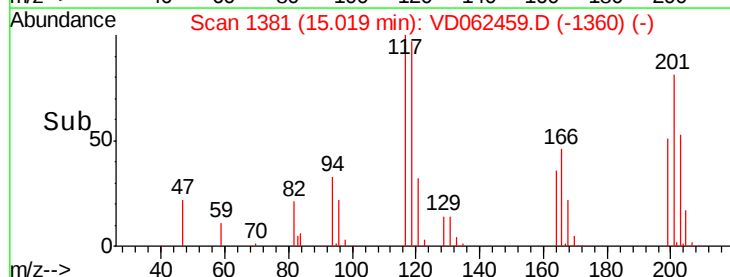
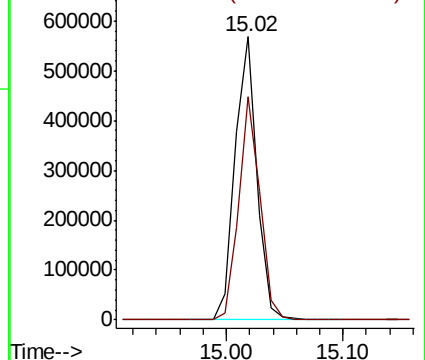
117 100

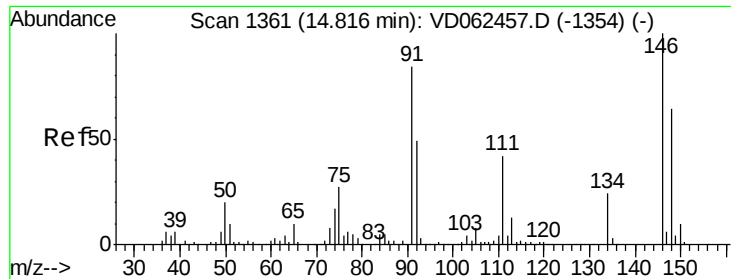
201 78.9 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

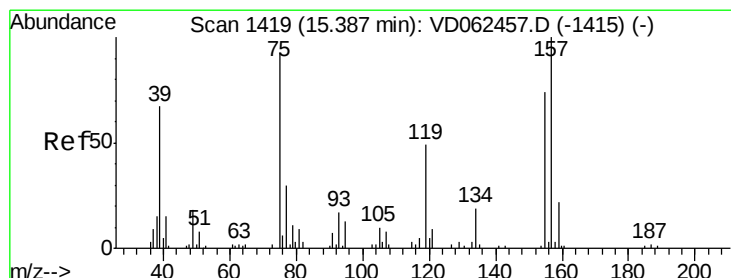
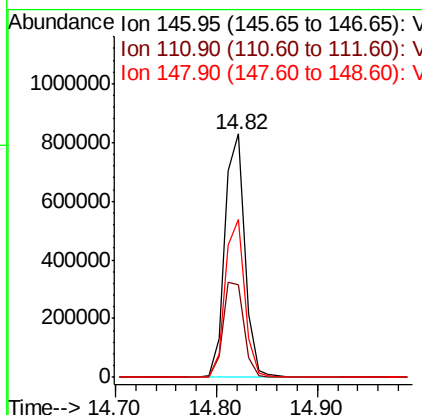
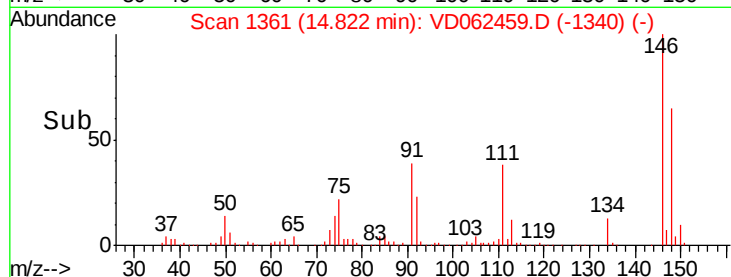
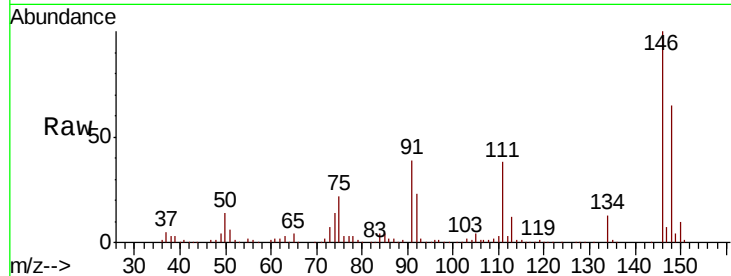




#91
 1,2-Dichlorobenzene
 Concen: 108.143 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

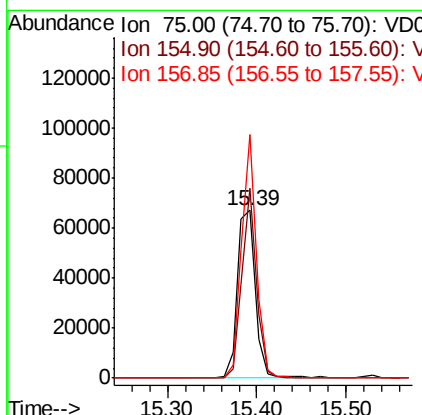
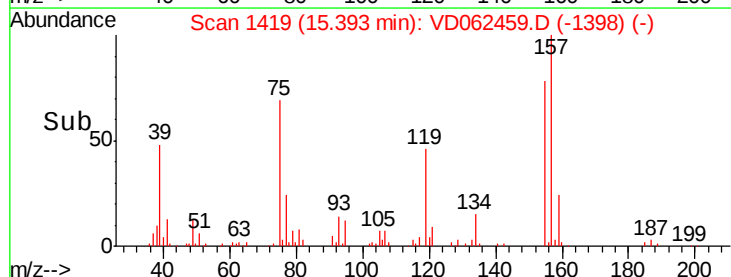
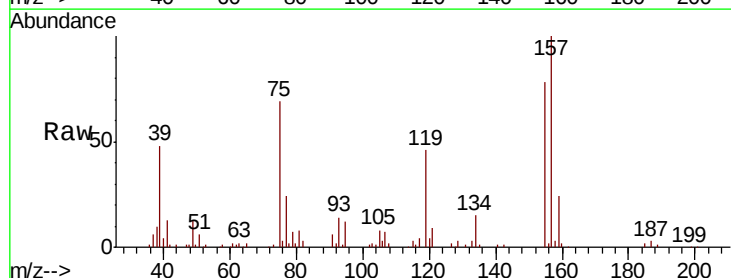
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

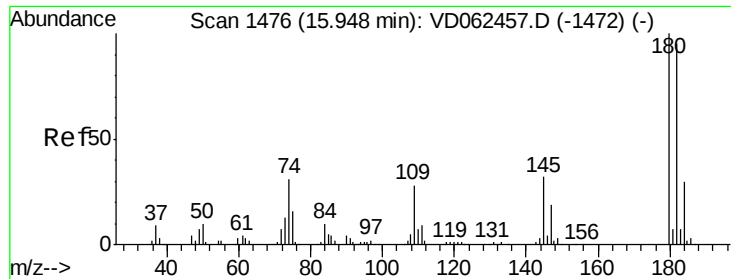
Tgt Ion: 146 Resp: 1133516
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.0 59.9
 148 64.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 124.219 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion: 75 Resp: 96074
 Ion Ratio Lower Upper
 75 100
 155 113.0 55.3 165.8
 157 145.3 67.8 203.2

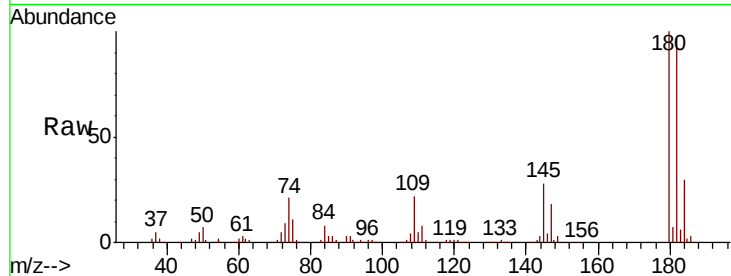




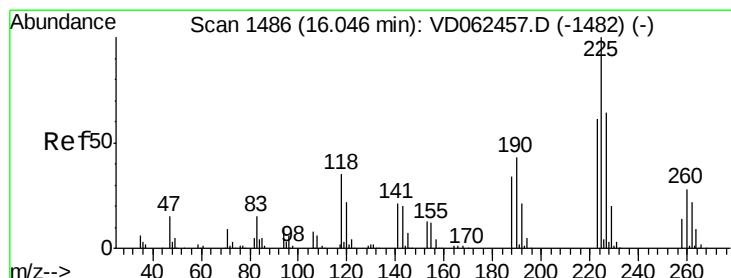
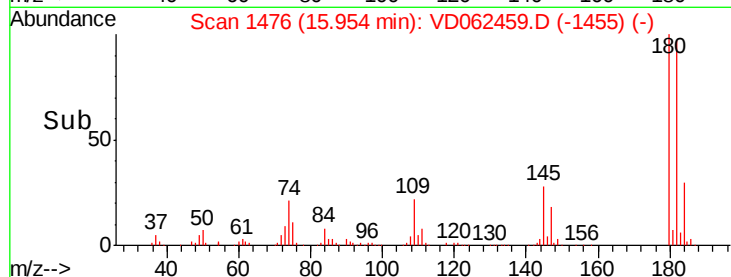
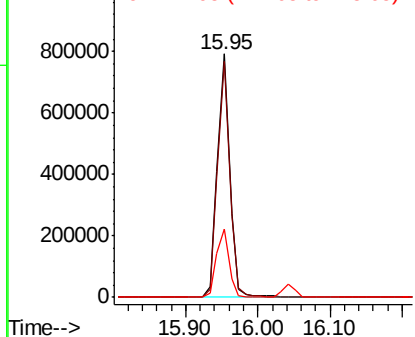
#93
 1,2,4-Trichlorobenzene
 Concen: 121.979 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tgt Ion:180 Resp: 930602
 Ion Ratio Lower Upper
 180 100
 182 96.9 49.3 147.8
 145 28.1 16.2 48.6

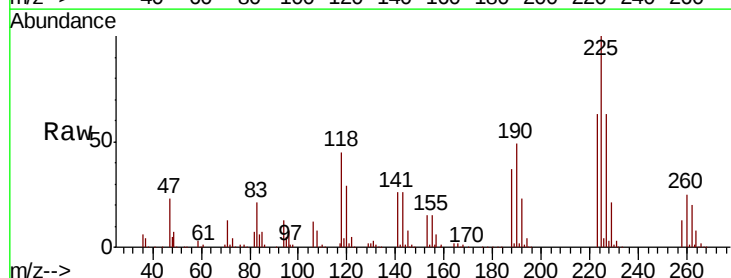


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

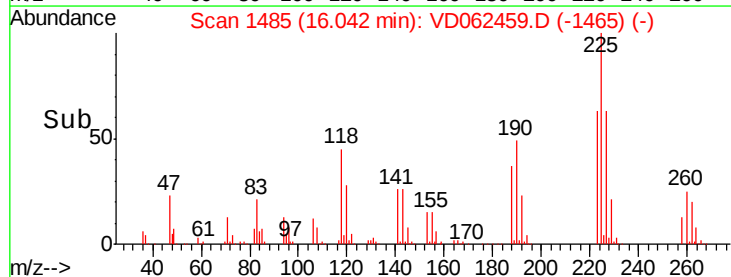
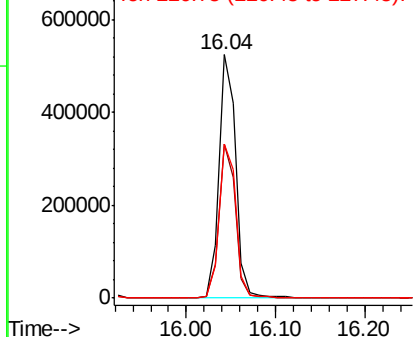


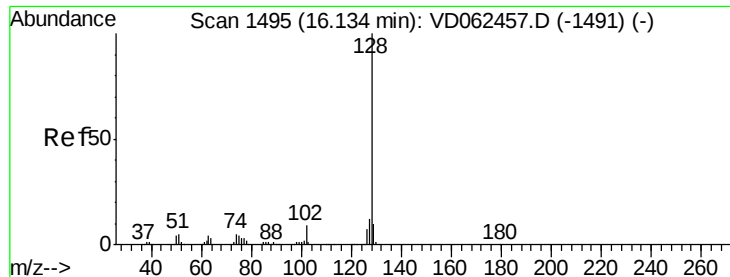
#94
 Hexachlorobutadiene
 Concen: 121.908 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062459.D
 Acq: 20 May 2019 16:37

Tgt Ion:225 Resp: 691749
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.6 92.0
 227 63.2 32.0 96.2



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





#95

Naphthalene

Concen: 120.691 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

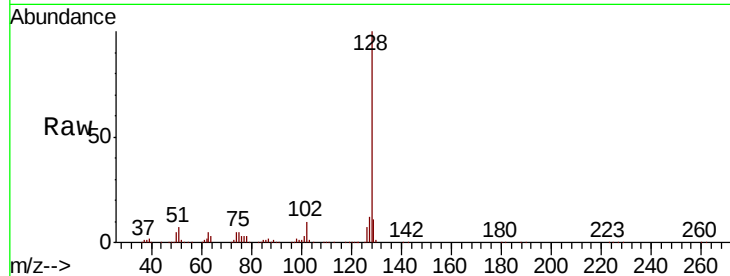
Tgt Ion:128 Resp: 1285505

Ion Ratio Lower Upper

128 100

127 12.1 9.8 14.8

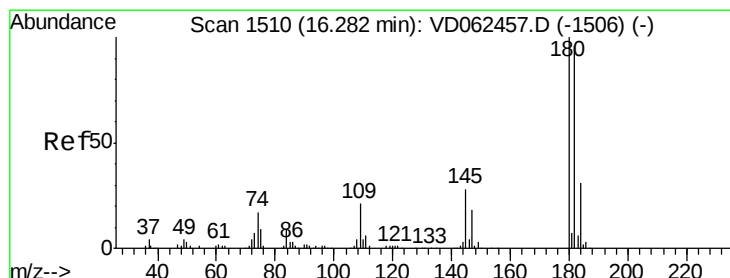
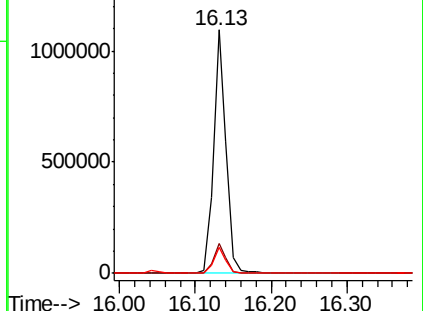
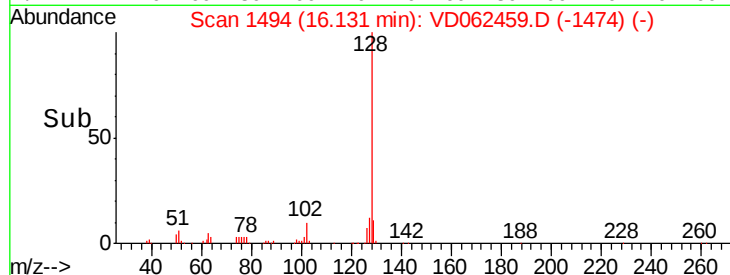
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 155.151 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD062459.D

Acq: 20 May 2019 16:37

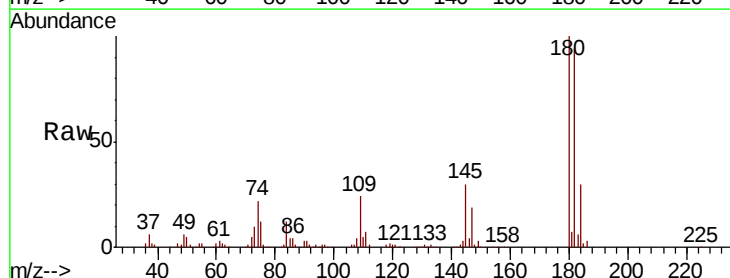
Tgt Ion:180 Resp: 744227

Ion Ratio Lower Upper

180 100

182 94.5 47.0 141.0

145 30.1 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

