

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064178.D
 Acq On : 11 Nov 2019 15:19
 Operator : VA/SY
 Sample : K5676-11
 Misc : 7.85G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 02:48:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	639229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1041775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1038897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	517647	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	317196	60.33	ug/l	0.00
Spiked Amount			Recovery	=	120.66%	
35) Dibromofluoromethane	7.92	113	330017	55.19	ug/l	0.00
Spiked Amount			Recovery	=	110.38%	
50) Toluene-d8	10.34	98	1265717	56.11	ug/l	0.00
Spiked Amount			Recovery	=	112.22%	
62) 4-Bromofluorobenzene	12.64	95	480042	61.45	ug/l	0.00
Spiked Amount			Recovery	=	122.90%	

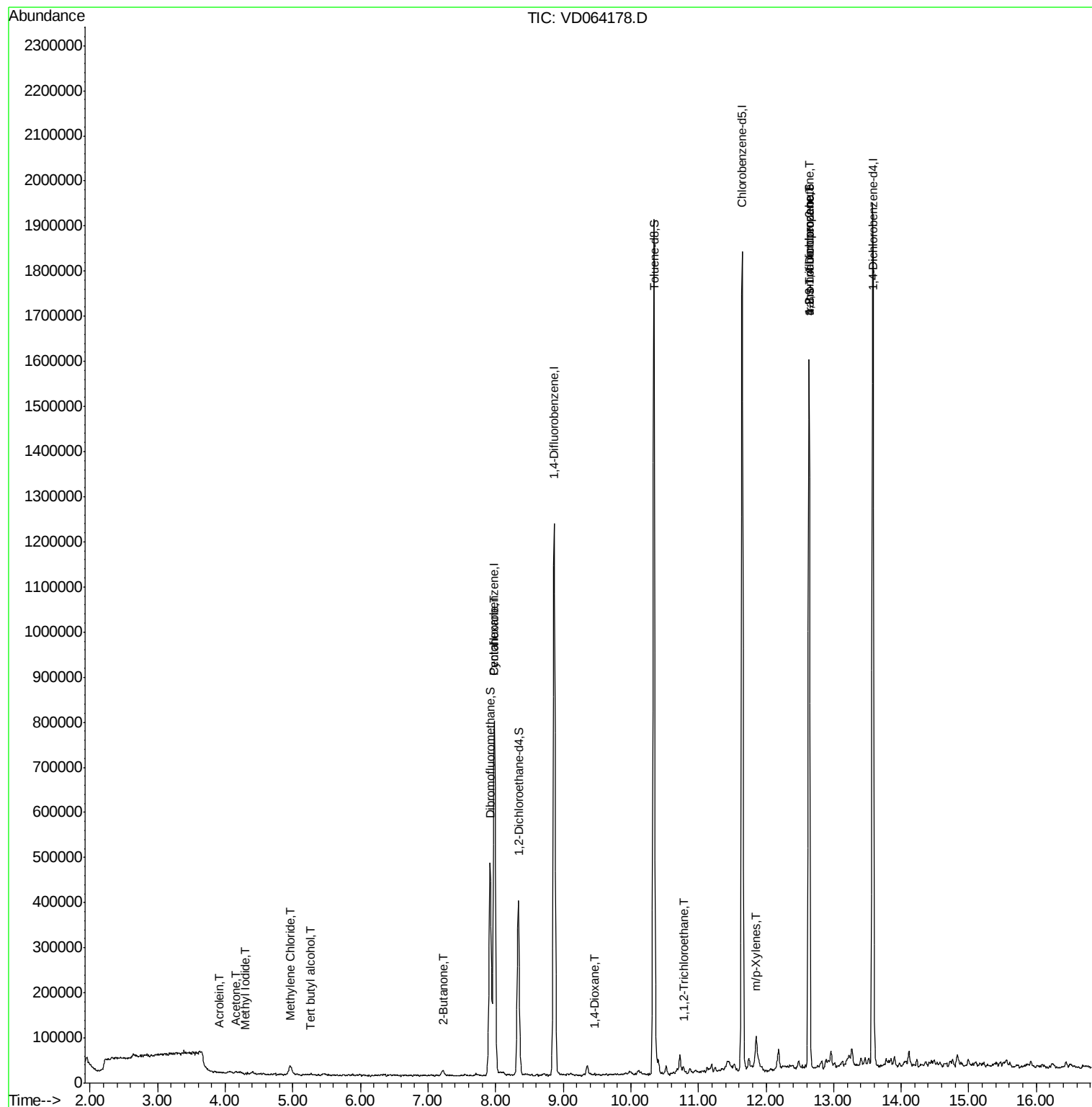
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	555	2.114	ug/l #	55
11) Tert butyl alcohol	5.26	59	3443	9.376	ug/l #	56
13) Acrolein	3.91	56	341	1.098	ug/l #	16
16) Acetone	4.17	43	6229	5.001	ug/l #	78
20) Methylene Chloride	4.95	84	16407	2.608	ug/l	88
25) 2-Butanone	7.23	43	2298	1.428	ug/l #	73
31) Cyclohexane	7.98	56	18920	1.834	ug/l #	48
49) 1,4-Dioxane	9.47	88	59	1.435	ug/l #	1
55) 1,1,2-Trichloroethane	10.78	97	6823	1.469	ug/l #	37
68) m/p-Xylenes	11.85	106	19405	1.325	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	254165	60.958	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	254165	121.087	ug/l #	10

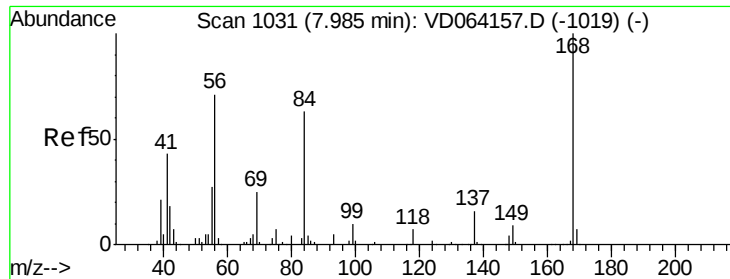
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111119\
Data File : VD064178.D
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MSVOA_D
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Quant Time: Nov 12 02:48:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064178.D

Acq: 11 Nov 2019 15:19

Instrument :

MSVOA_D

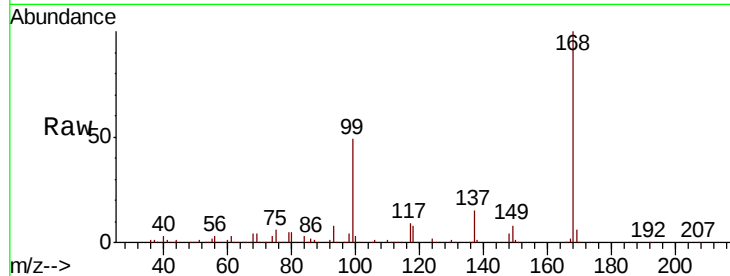
ClientSampleId :

Tot Ion:168 Resp: 639229

Ion Ratio Lower Upper

168 100

99 49.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

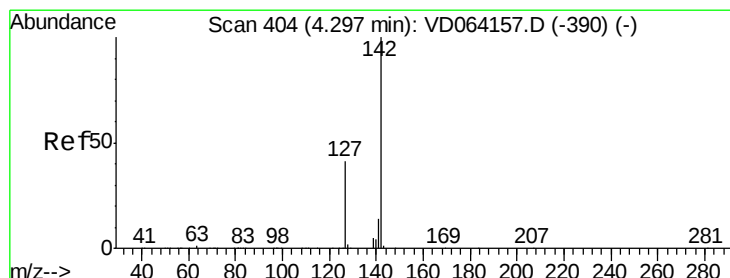
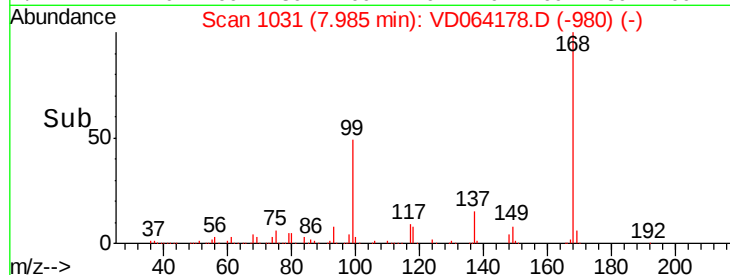
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.114 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064178.D

Acq: 11 Nov 2019 15:19

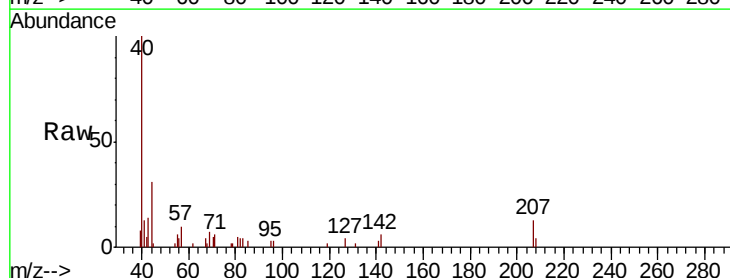
Tgt Ion:142 Resp: 555

Ion Ratio Lower Upper

142 100

127 17.5 34.4 51.6#

141 38.9 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.29

500

400

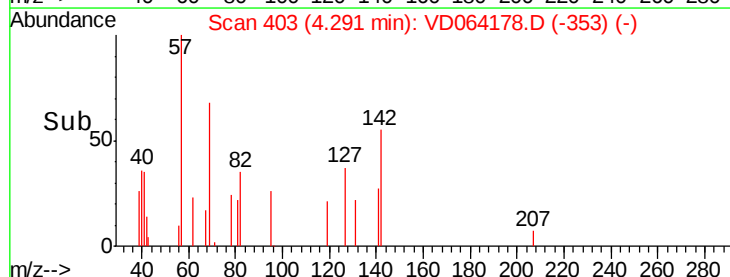
300

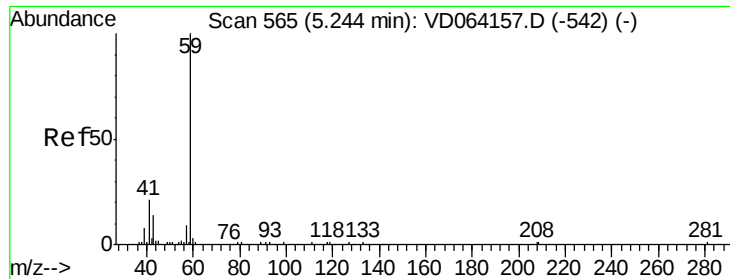
200

100

0

Time-->

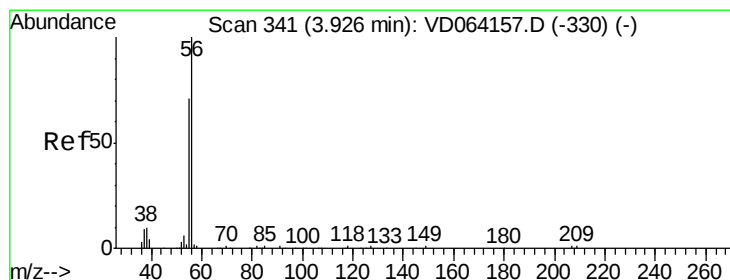
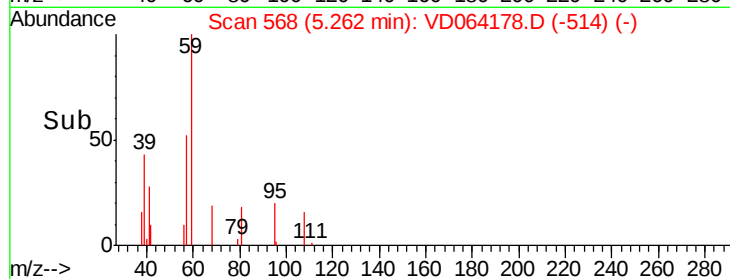
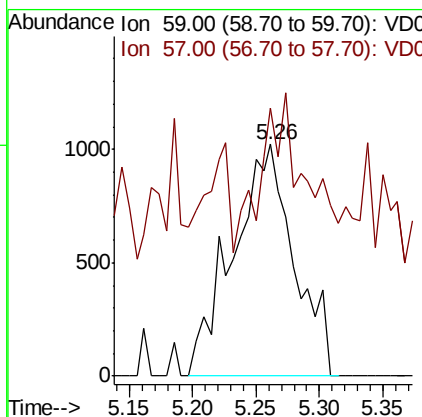
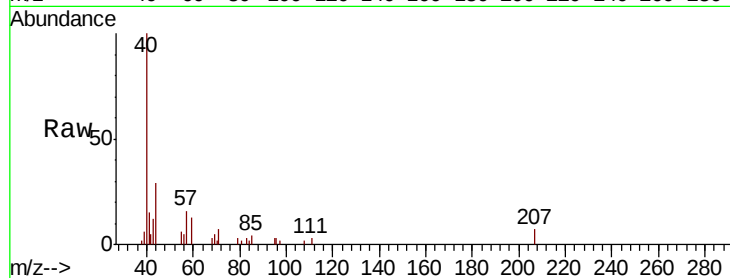




#11
Tert butyl alcohol
Concen: 9.376 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.02 min
Lab File: VD064178.D
Acq: 11 Nov 2019 15:19

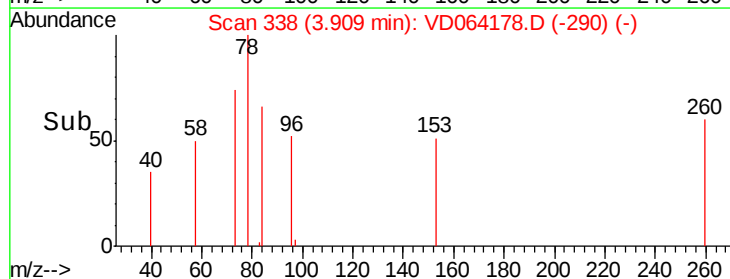
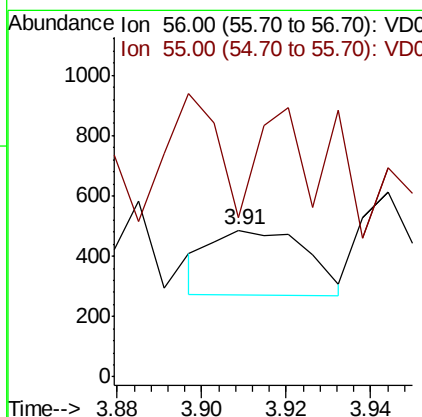
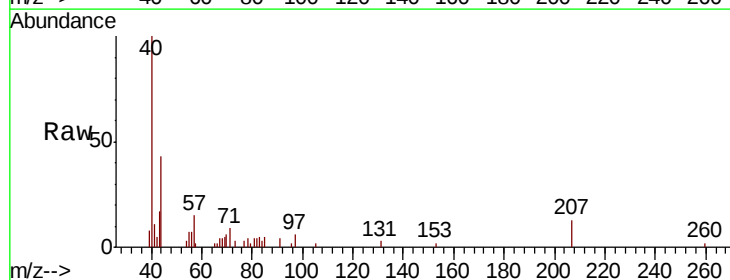
Instrument :
MSVOA_D
ClientSampled :

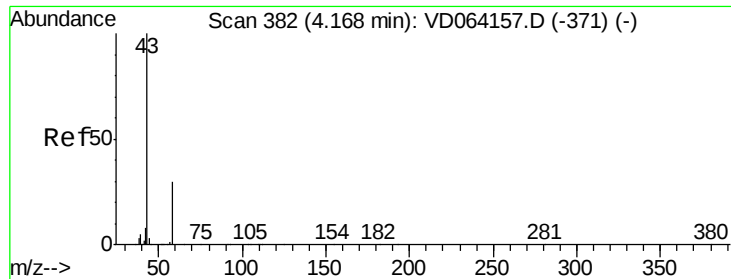
Tot Ion: 59 Resp: 3443
Ion Ratio Lower Upper
59 100
57 28.8 9.4 14.2#



#13
Acrolein
Concen: 1.098 ug/l
RT: 3.91 min Scan# 338
Delta R.T. -0.02 min
Lab File: VD064178.D
Acq: 11 Nov 2019 15:19

Tgt Ion: 56 Resp: 341
Ion Ratio Lower Upper
56 100
55 138.7 56.1 84.1#

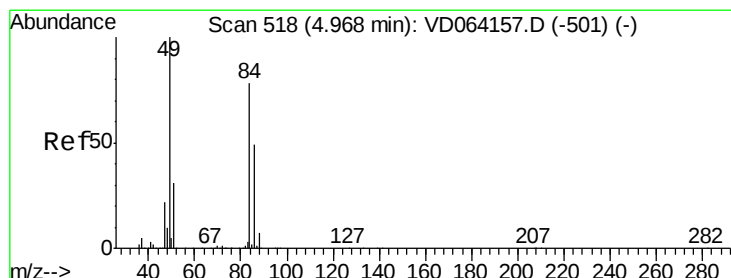
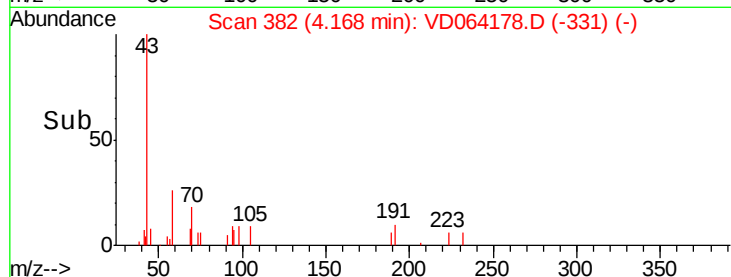
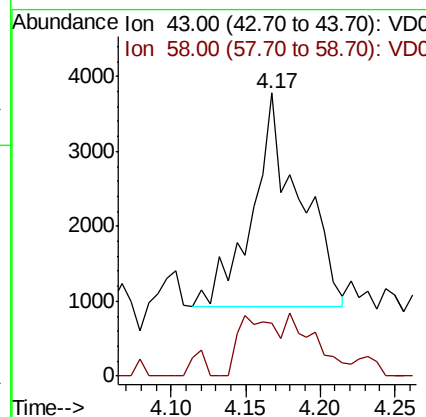
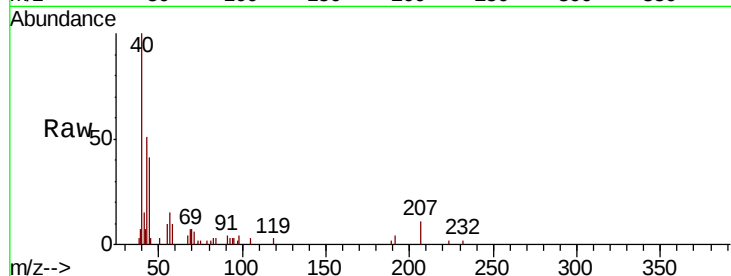




#16
Acetone
Concen: 5.001 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD064178.D
Acq: 11 Nov 2019 15:19

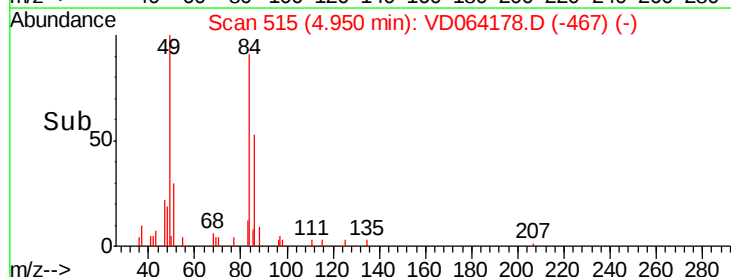
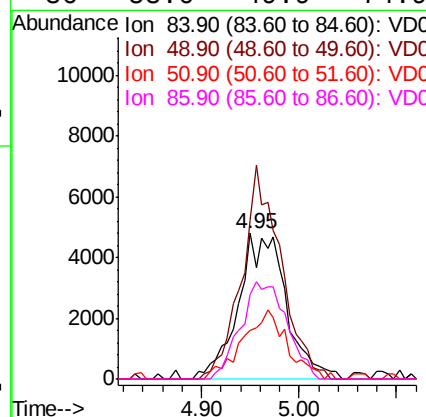
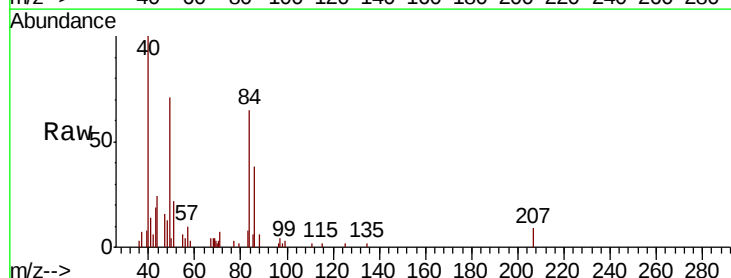
Instrument :
MSVOA_D
ClientSampleId :

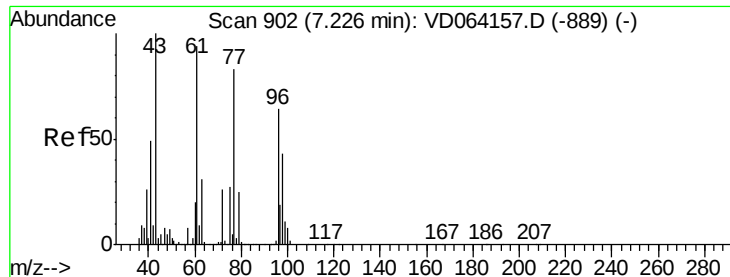
Tot Ion: 43 Resp: 6229
Ion Ratio Lower Upper
43 100
58 18.4 24.1 36.1#



#20
Methylene Chloride
Concen: 2.608 ug/l
RT: 4.95 min Scan# 515
Delta R.T. -0.02 min
Lab File: VD064178.D
Acq: 11 Nov 2019 15:19

Tgt Ion: 84 Resp: 16407
Ion Ratio Lower Upper
84 100
49 109.5 102.1 153.1
51 33.4 32.2 48.2
86 58.0 49.9 74.9

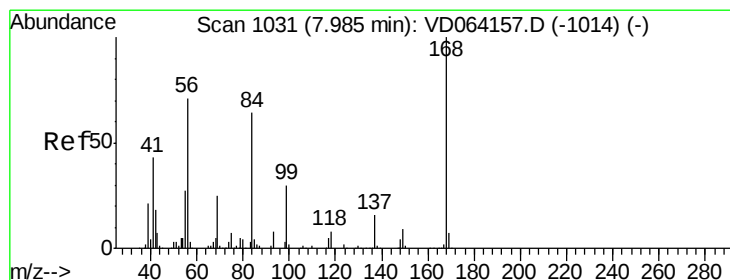
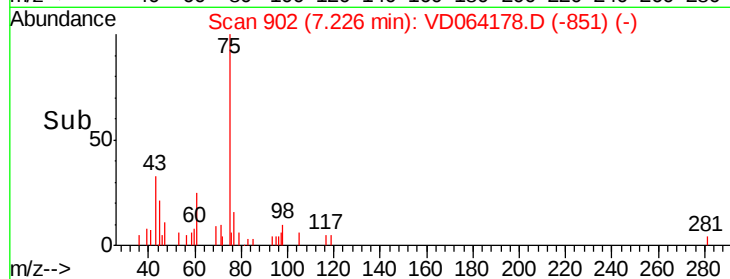
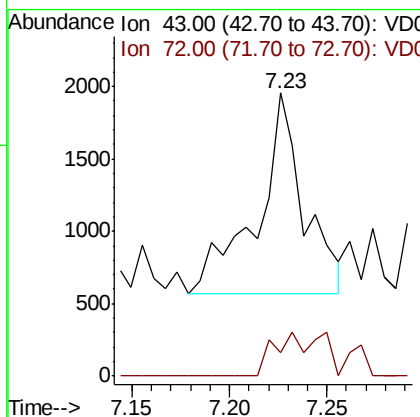
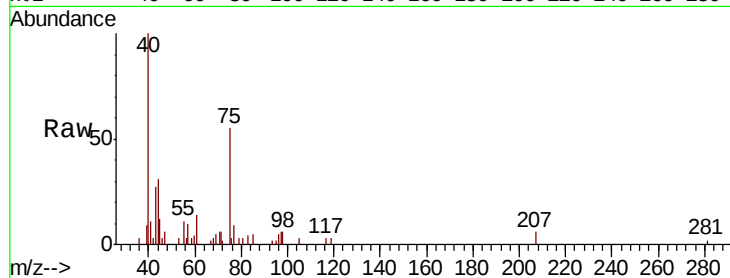




#25
2-Butanone
Concen: 1.428 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064178.D
Acq: 11 Nov 2019 15:19

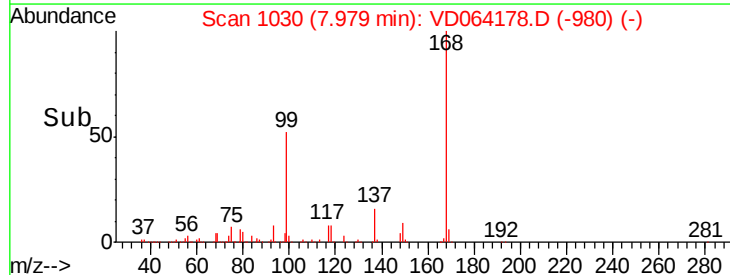
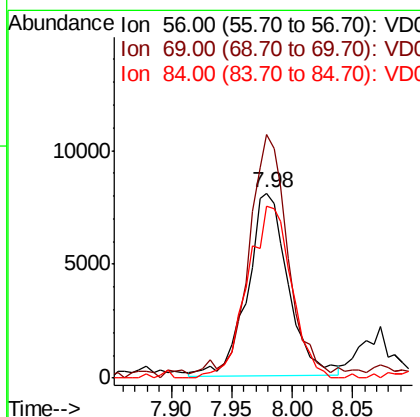
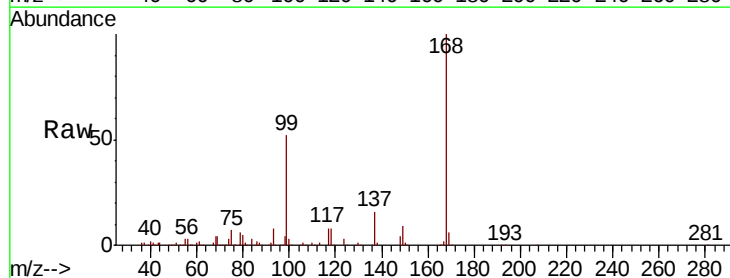
Instrument :
MSVOA_D
ClientSampled :

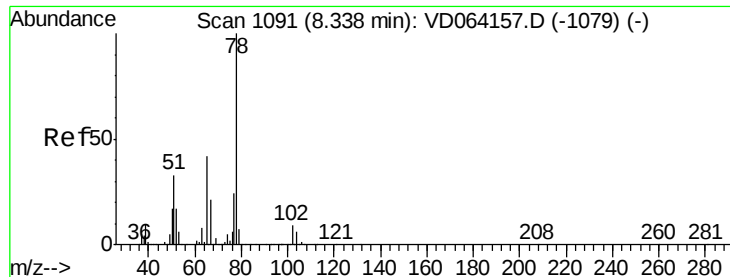
Tot Ion: 43 Resp: 2298
Ion Ratio Lower Upper
43 100
72 11.8 20.6 30.8#



#31
Cyclohexane
Concen: 1.834 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064178.D
Acq: 11 Nov 2019 15:19

Tgt Ion: 56 Resp: 18920
Ion Ratio Lower Upper
56 100
69 133.2 28.2 42.4#
84 95.9 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 60.335 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064178.D

Acq: 11 Nov 2019 15:19

Instrument :

MSVOA_D

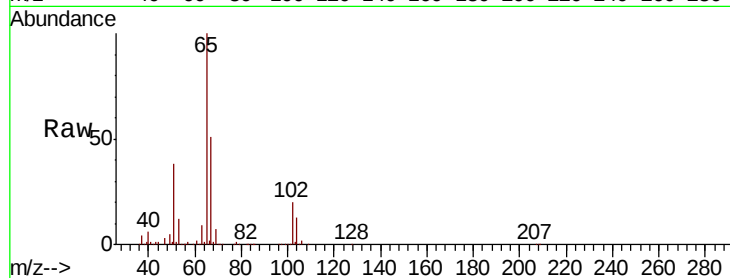
ClientSampleId :

Tot Ion: 65 Resp: 317196

Ion Ratio Lower Upper

65 100

67 49.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

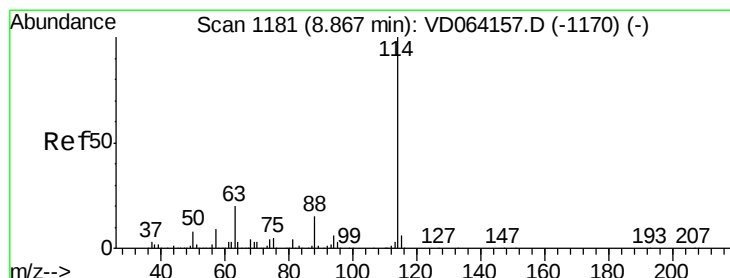
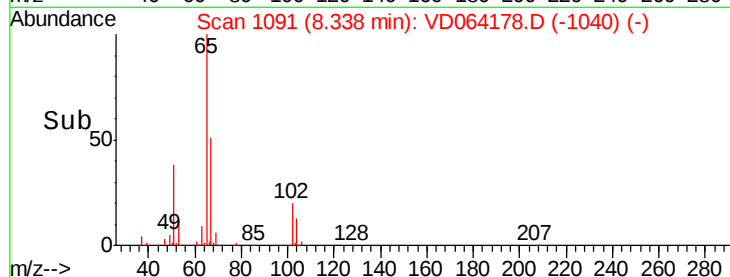
150000

100000

50000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064178.D

Acq: 11 Nov 2019 15:19

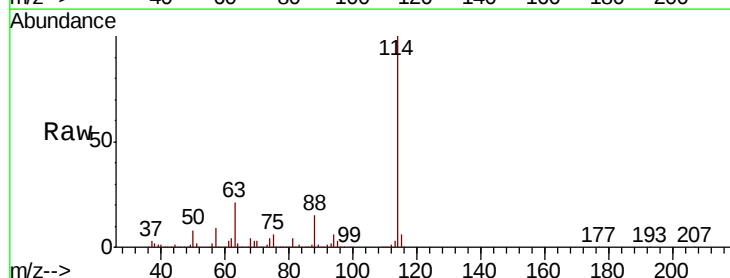
Tgt Ion: 114 Resp: 1041775

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

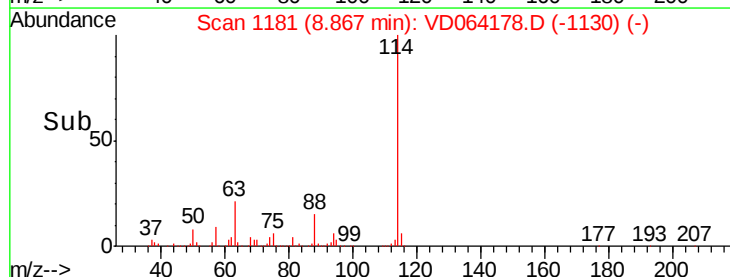
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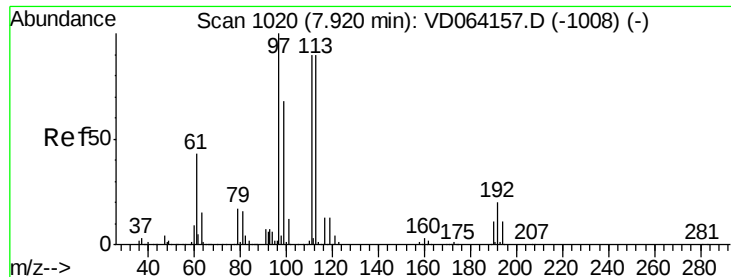
400000

200000

0

Time--> 8.80 8.90

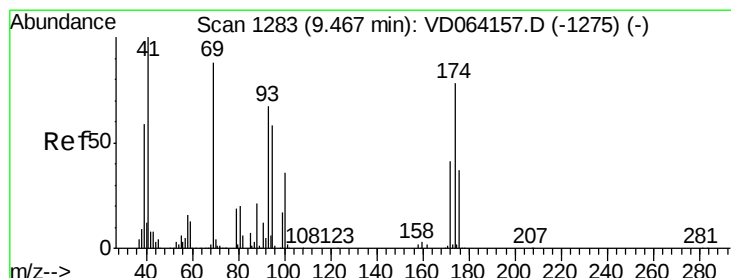
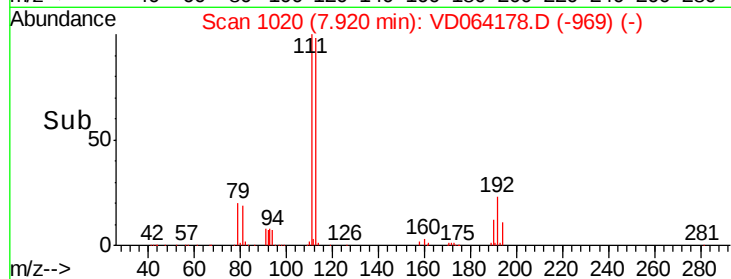
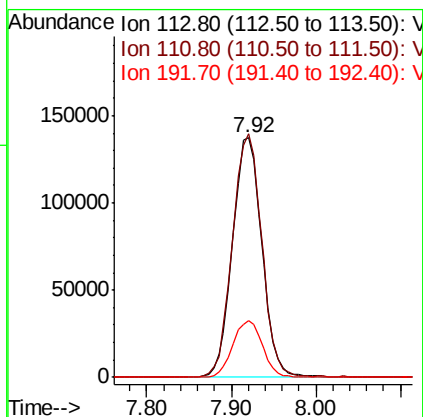
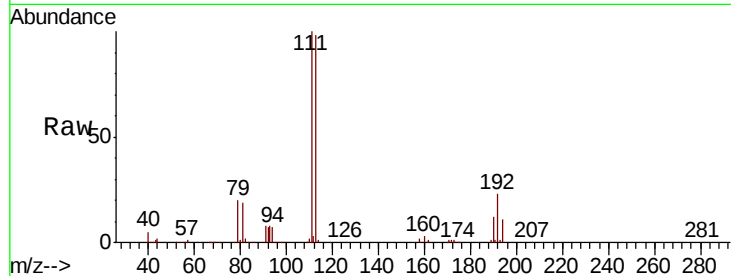




#35
 Dibromofluoromethane
 Concen: 55.187 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064178.D
 Acq: 11 Nov 2019 15:19

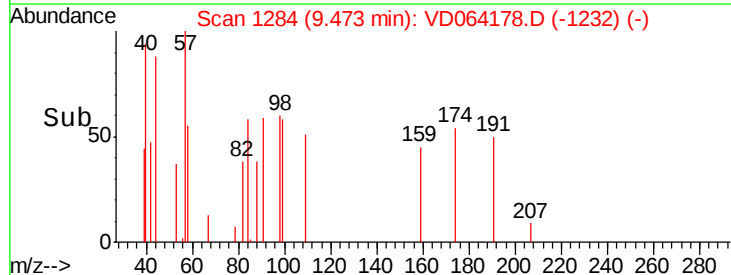
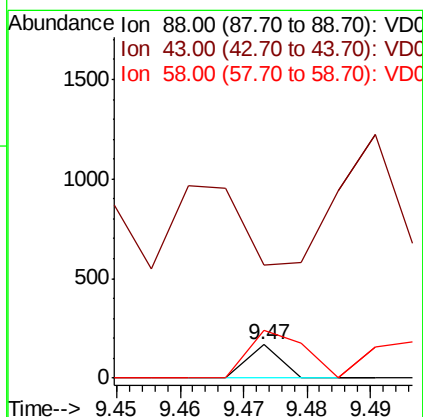
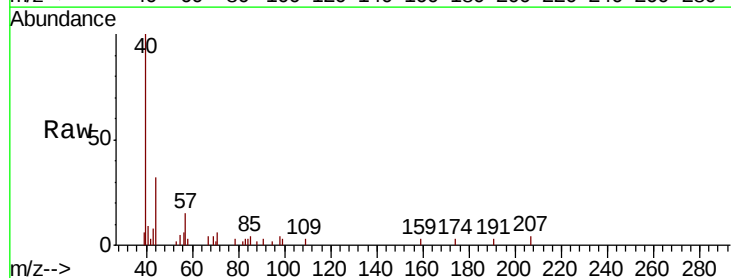
Instrument :
 MSVOA_D
 ClientSampleId :

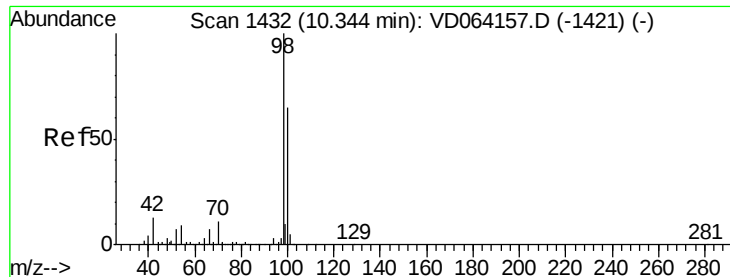
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.5	122.3
192	23.8	18.8	28.2



#49
 1,4-Dioxane
 Concen: 1.435 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD064178.D
 Acq: 11 Nov 2019 15:19

Tgt Ion	Ratio	Lower	Upper
88	100		
43	618.6	29.8	44.8#
58	247.5	58.1	87.1#

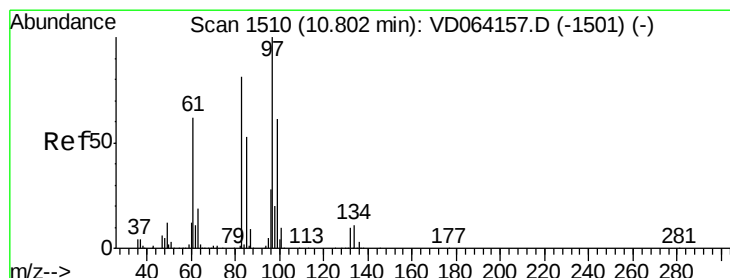
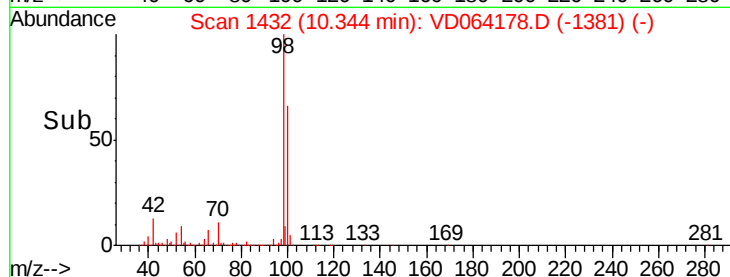
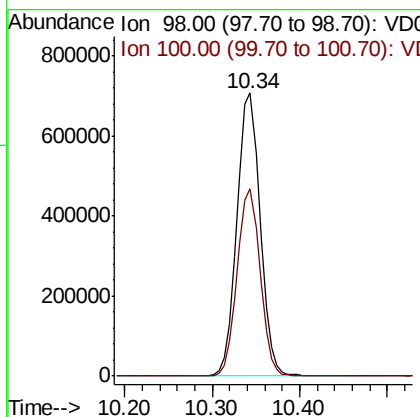
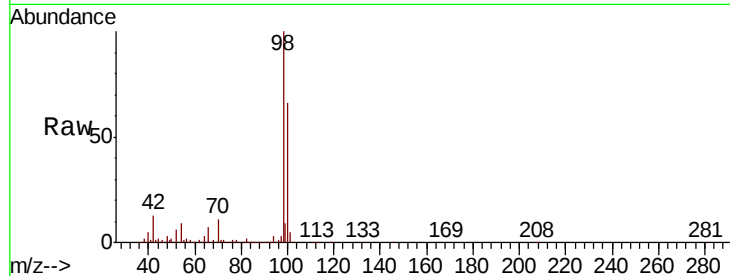




#50
Toluene-d8
Concen: 56.107 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064178.D
Acq: 11 Nov 2019 15:19

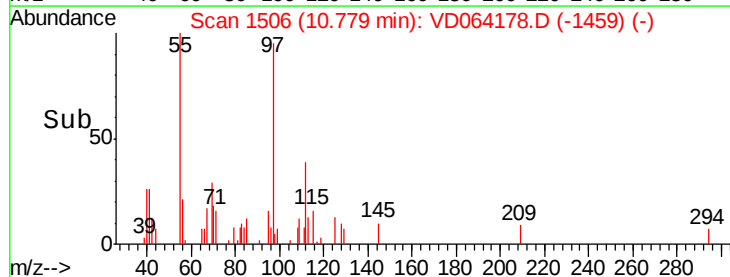
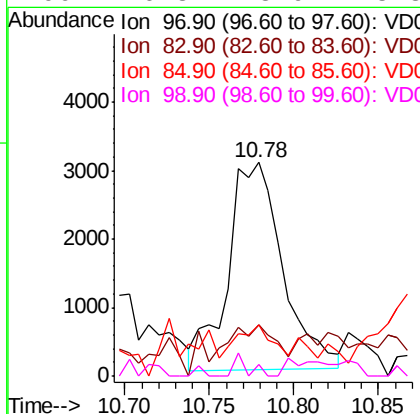
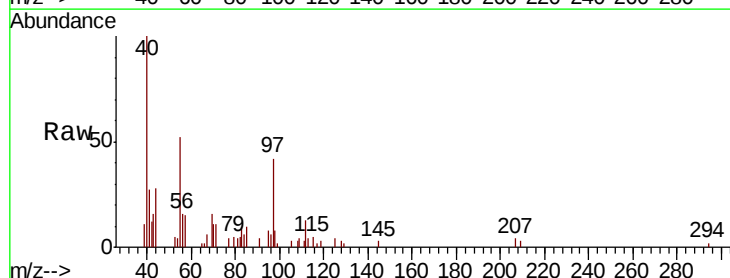
Instrument :
MSVOA_D
ClientSampleId :

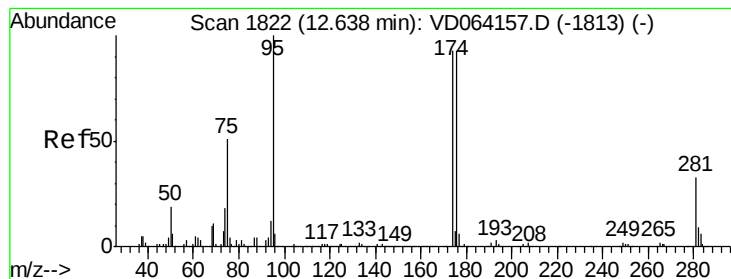
Tot Ion: 98 Resp: 1265717
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#55
1,1,2-Trichloroethane
Concen: 1.469 ug/l
RT: 10.78 min Scan# 1506
Delta R.T. -0.02 min
Lab File: VD064178.D
Acq: 11 Nov 2019 15:19

Tgt Ion: 97 Resp: 6823
Ion Ratio Lower Upper
97 100
83 26.7 65.1 97.7#
85 13.6 42.0 63.0#
99 6.3 48.9 73.3#





#62

4-Bromofluorobenzene

Concen: 61.447 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064178.D

Acq: 11 Nov 2019 15:19

Instrument :

MSVOA_D

ClientSampleId :

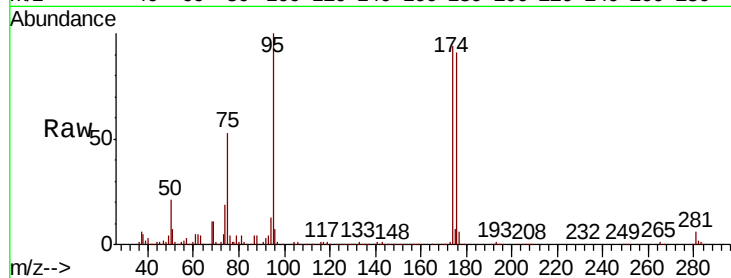
Tot Ion: 95 Resp: 480042

Ion Ratio Lower Upper

95 100

174 93.5 0.0 183.6

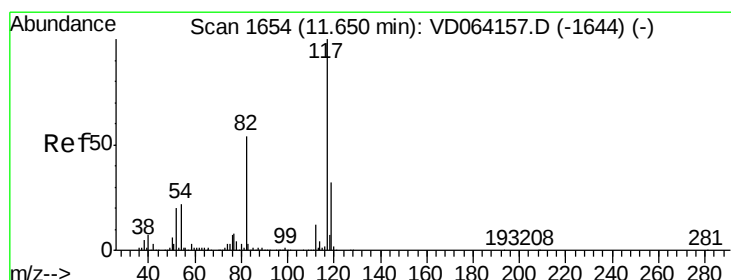
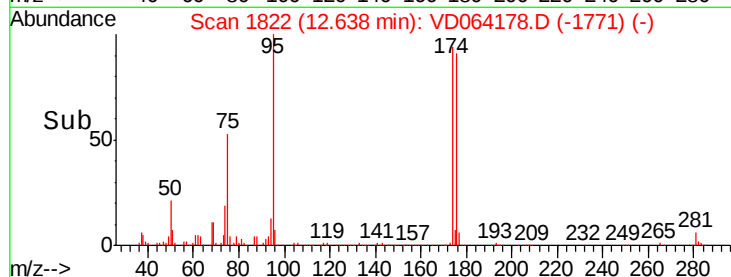
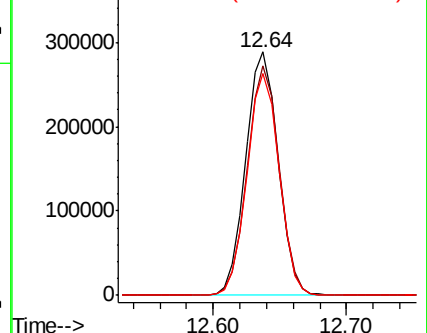
176 90.8 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064178.D

Acq: 11 Nov 2019 15:19

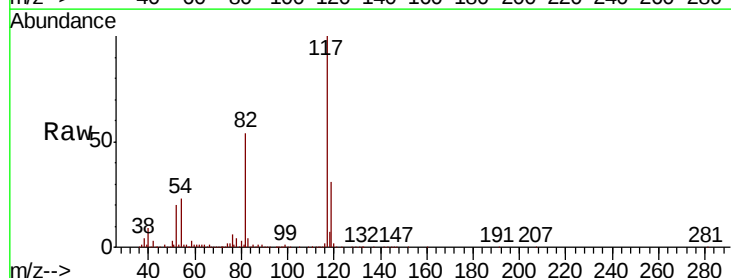
Tgt Ion: 117 Resp: 1038897

Ion Ratio Lower Upper

117 100

82 54.0 42.8 64.2

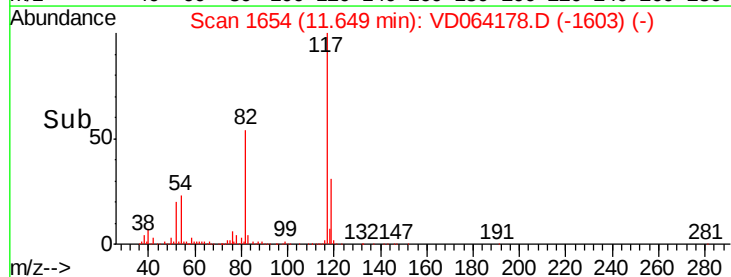
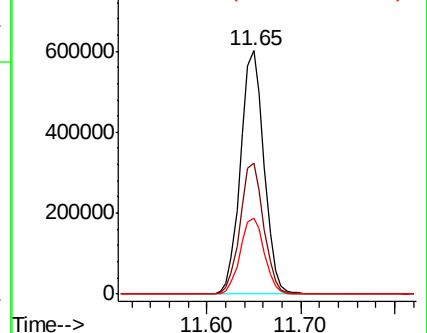
119 31.2 25.6 38.4

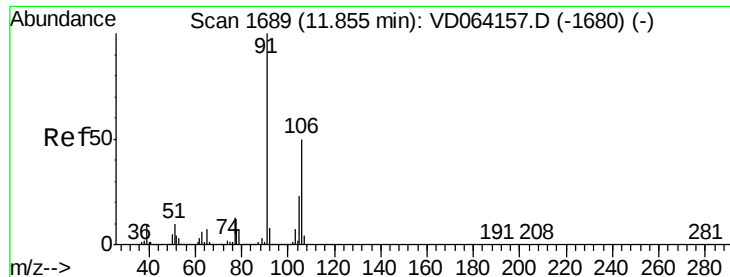


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#68

m/p-Xvlenes

Concen: 1.325 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD064178.D

Acq: 11 Nov 2019 15:19

Instrument :

MSVOA_D

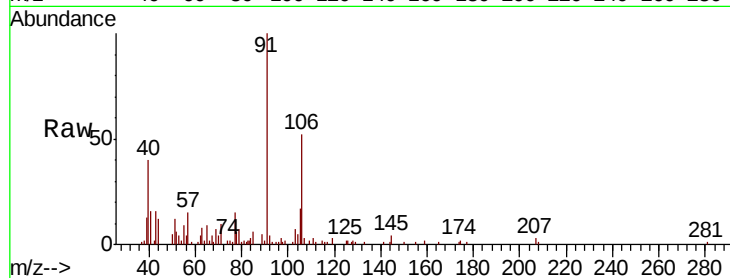
ClientSampleId :

Tot Ion:106 Resp: 19405

Ion Ratio Lower Upper

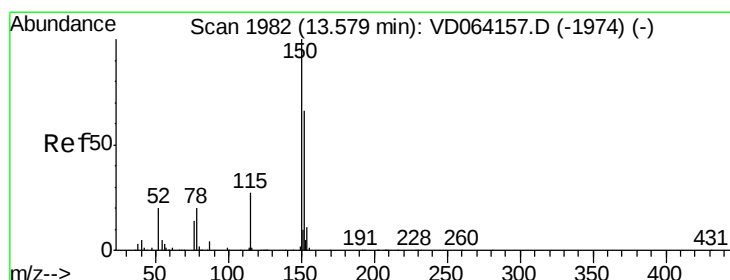
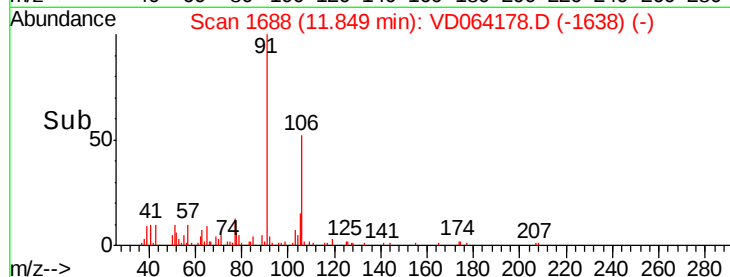
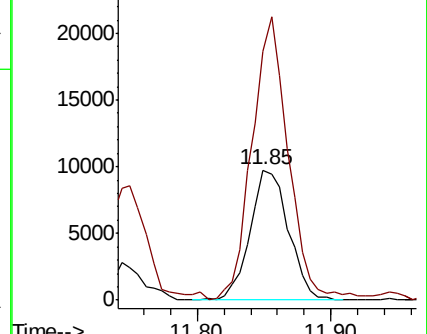
106 100

91 206.7 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD064178.D

Acq: 11 Nov 2019 15:19

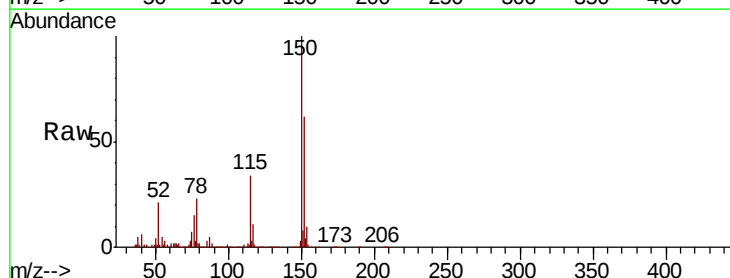
Tgt Ion:152 Resp: 517647

Ion Ratio Lower Upper

152 100

115 55.5 27.4 82.2

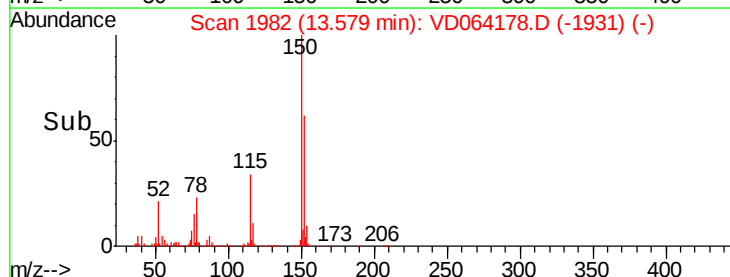
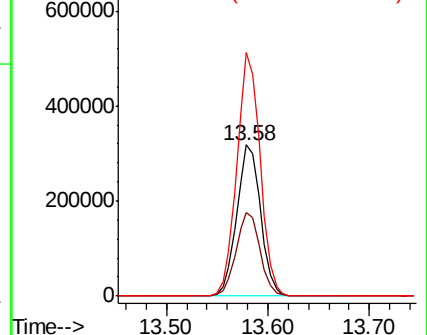
150 157.6 0.0 351.6

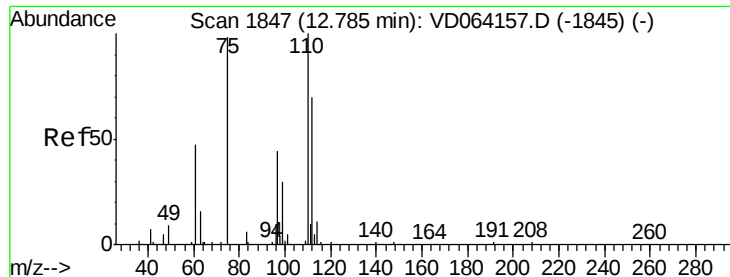


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 60.958 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064178.D

Acq: 11 Nov 2019 15:19

Instrument :

MSVOA_D

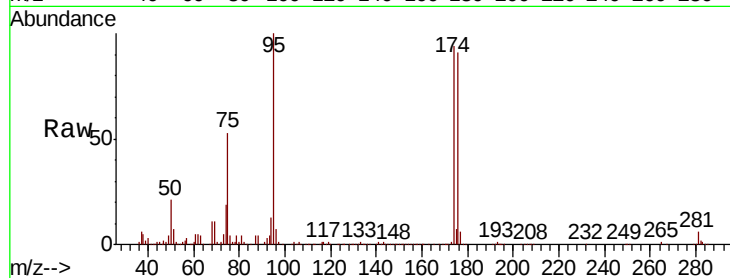
ClientSampleId :

Tot Ion: 75 Resp: 254165

Ion Ratio Lower Upper

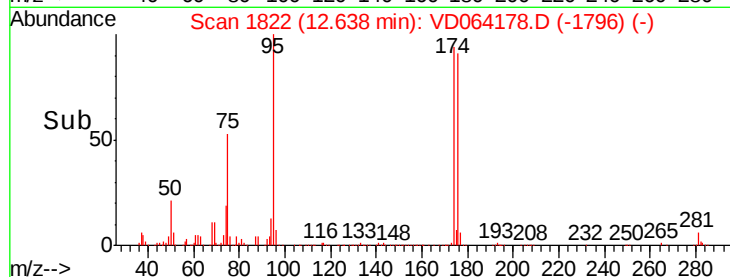
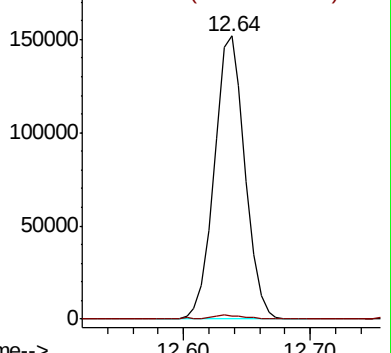
75 100

77 1.5 0.0 0.0#

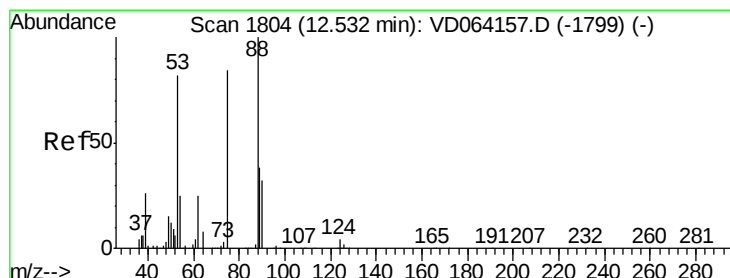


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 121.087 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064178.D

Acq: 11 Nov 2019 15:19

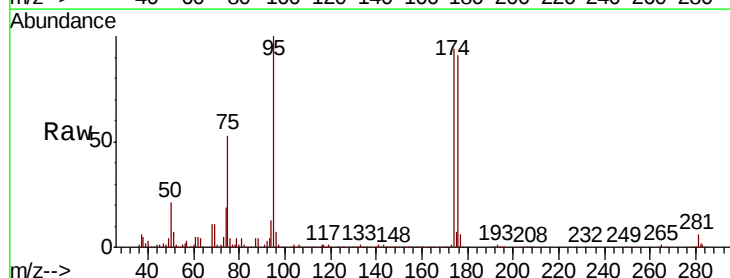
Tgt Ion: 75 Resp: 254165

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

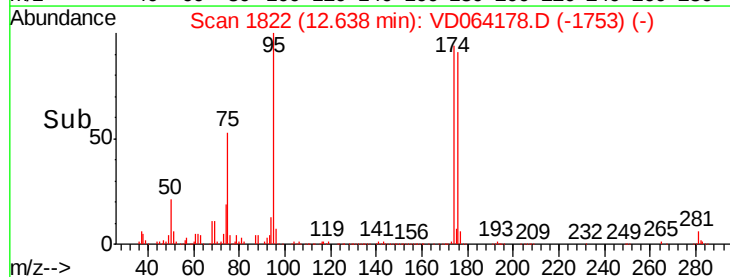
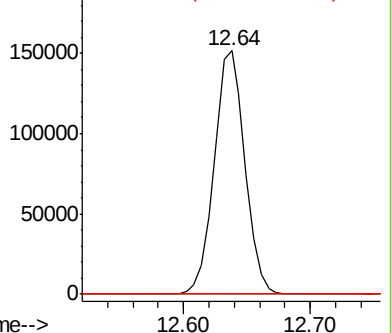
89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



Time-->