

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067513.D
 Acq On : 04 Nov 2020 11:59
 Operator : VA/SY
 Sample : L4596-01
 Misc : 5.48G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-110320

Quant Time: Nov 05 00:35:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	82682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	132565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	133243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	65509	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	50929	70.44	ug/l	0.00
Spiked Amount			Recovery	=	140.88%	
35) Dibromofluoromethane	7.92	113	44851	56.15	ug/l	0.00
Spiked Amount			Recovery	=	112.30%	
50) Toluene-d8	10.34	98	155011	55.23	ug/l	0.00
Spiked Amount			Recovery	=	110.46%	
62) 4-Bromofluorobenzene	12.64	95	54983	56.74	ug/l	0.00
Spiked Amount			Recovery	=	113.48%	

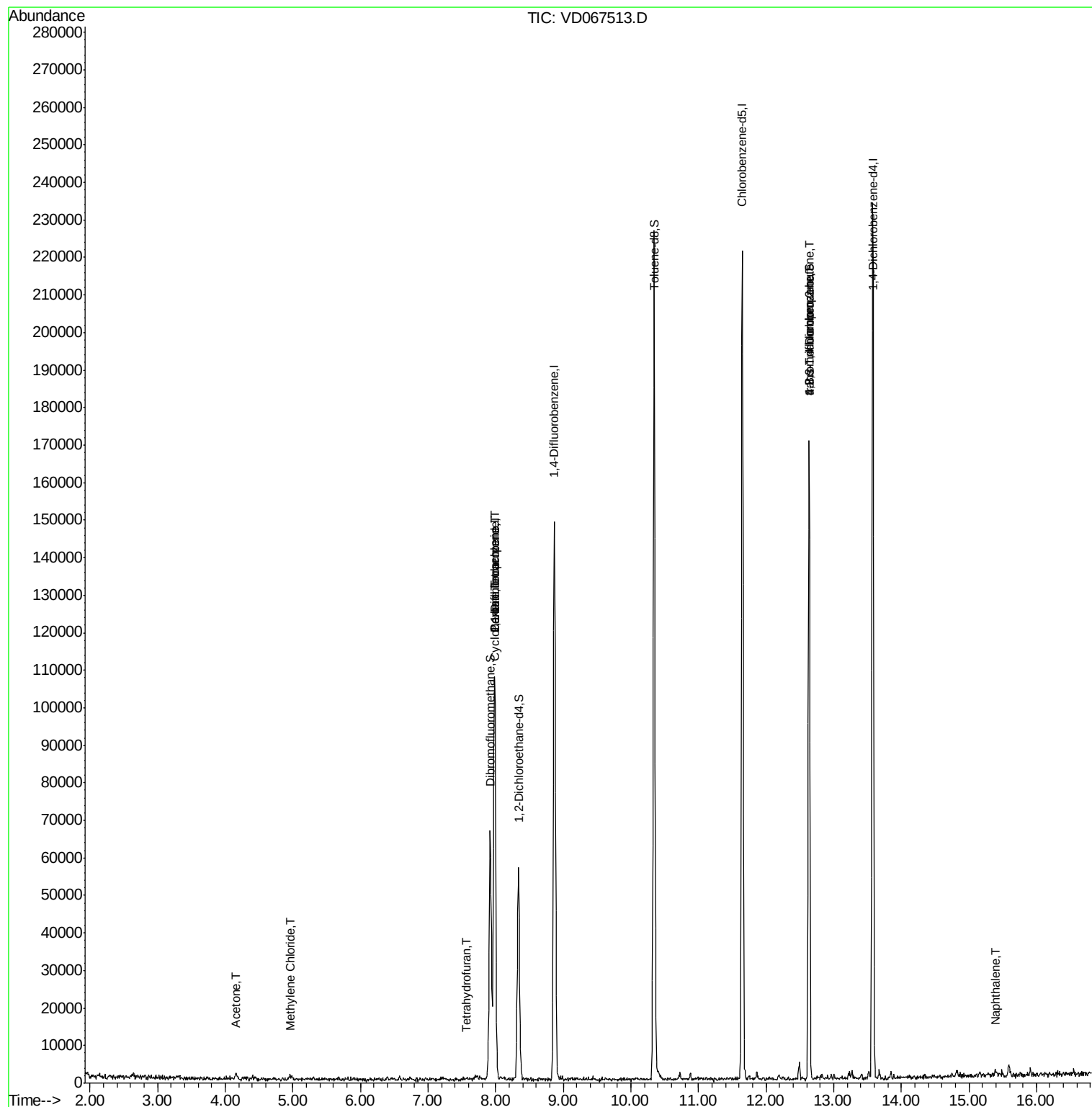
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	70	Below Cal	#	44
11) Tert butyl alcohol	5.30	59	55	Below Cal	#	79
16) Acetone	4.16	43	2466	22.794	ug/l	89
20) Methylene Chloride	4.97	84	1241	1.624	ug/l #	24
29) Tetrahydrofuran	7.58	42	260	3.755	ug/l #	44
31) Cyclohexane	8.00	56	2097	2.000	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	5761	5.077	ug/l #	46
38) Carbon Tetrachloride	7.98	117	8813	5.978	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	27103	68.583	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	27103	139.241	ug/l #	10
95) Naphthalene	15.40	128	1881	1.046	ug/l #	82

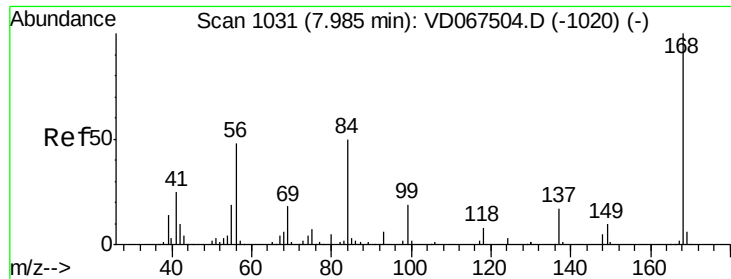
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110420\
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QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067513.D

Acq: 04 Nov 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

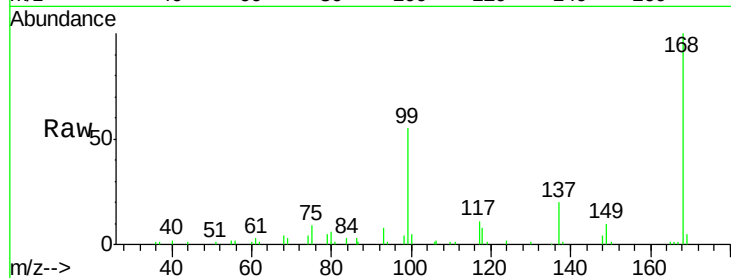
TR-05-110320

Tot Ion:168 Resp: 82682

Ion Ratio Lower Upper

168 100

99 54.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

30000

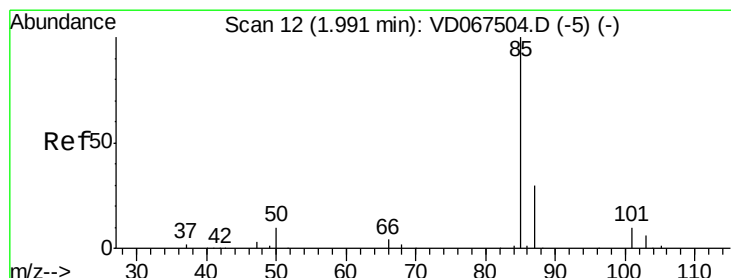
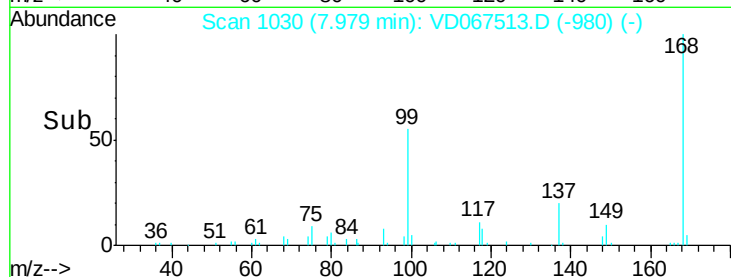
20000

10000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067513.D

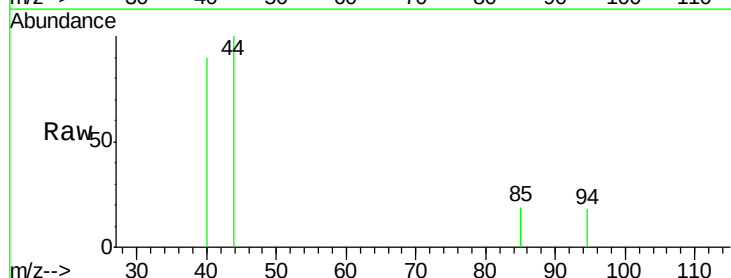
Acq: 04 Nov 2020 11:59

Tgt Ion: 85 Resp: 70

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

200

150

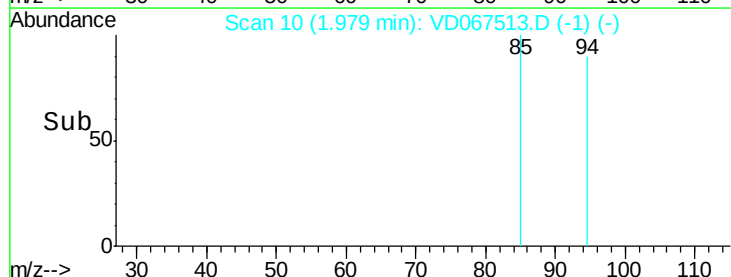
100

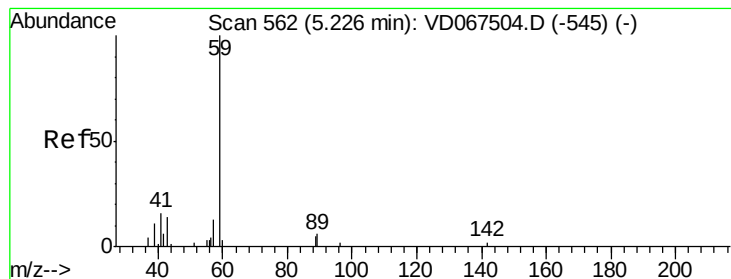
50

0

1.96 1.97 1.98 1.99

Time-->



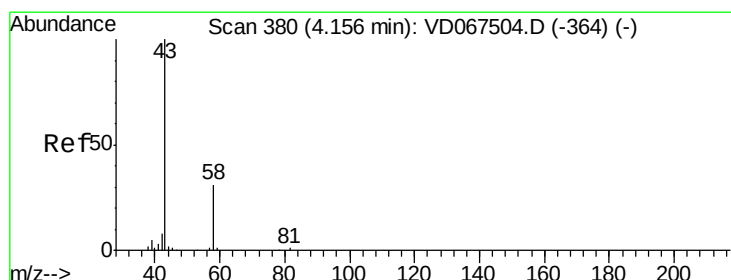
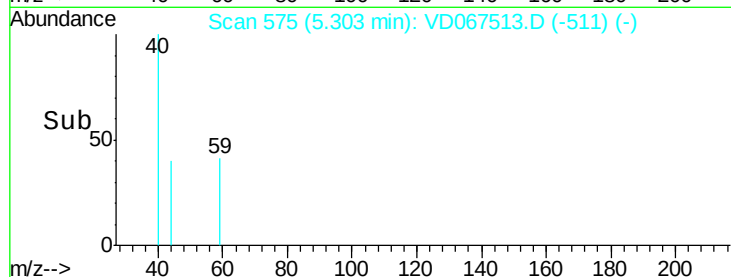
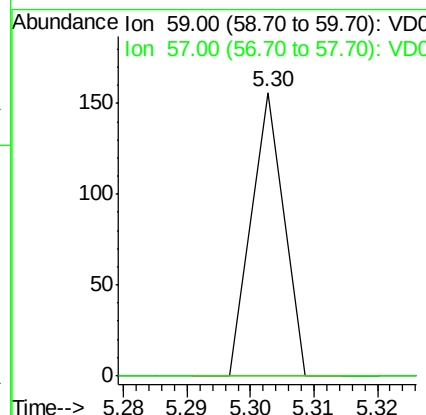
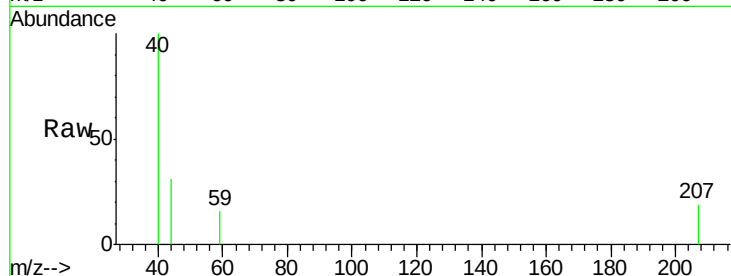


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.30 min Scan# 575
 Delta R.T. 0.08 min
 Lab File: VD067513.D
 Acq: 04 Nov 2020 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-110320

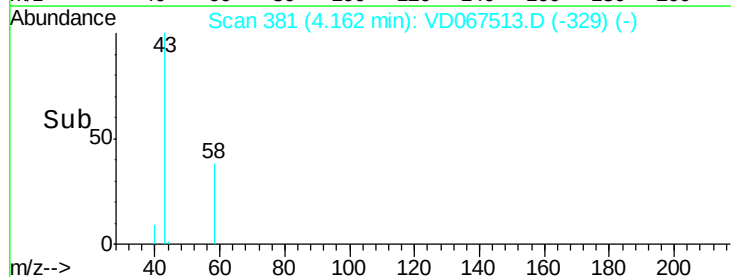
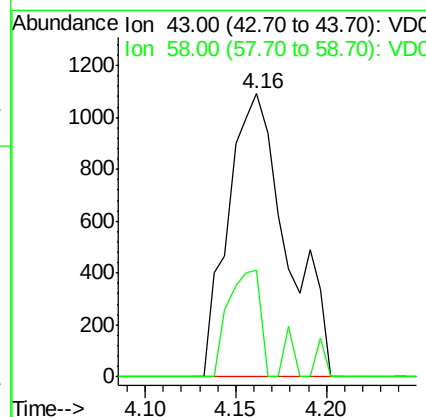
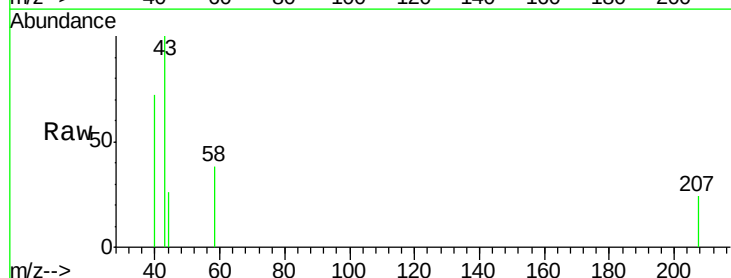
Tot Ion: 59 Resp: 55
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

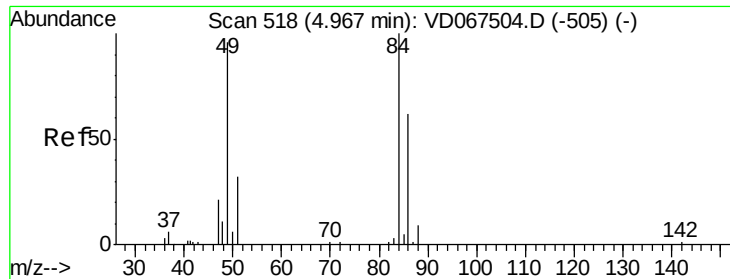


#16

Acetone
 Concen: 22.794 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD067513.D
 Acq: 04 Nov 2020 11:59

Tgt Ion: 43 Resp: 2466
 Ion Ratio Lower Upper
 43 100
 58 37.8 25.2 37.8

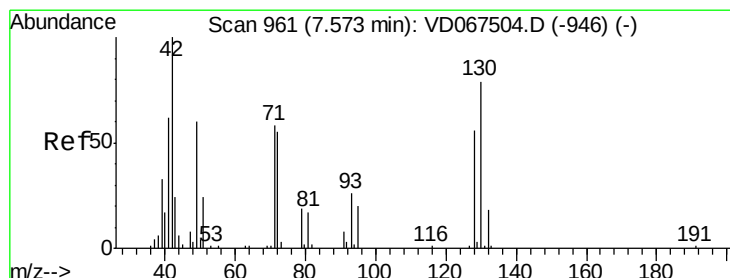
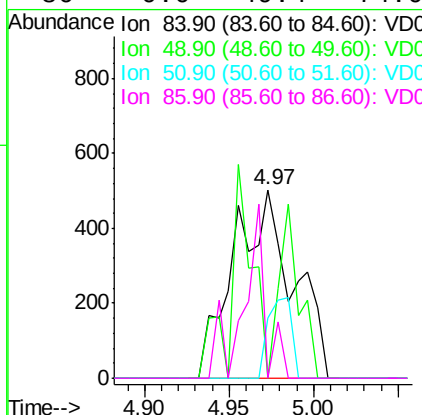
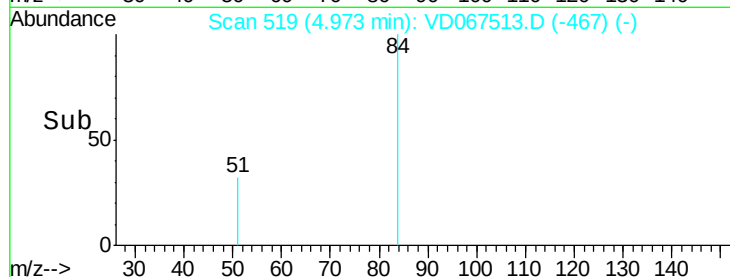
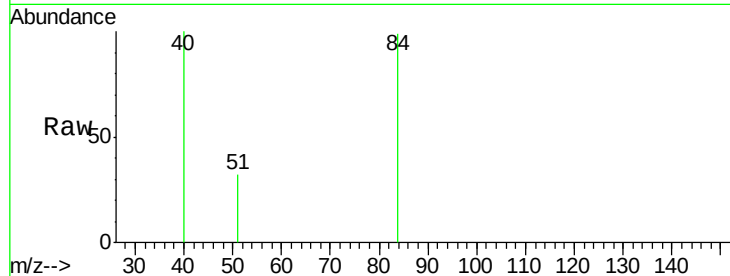




#20
Methvlene Chloride
Concen: 1.624 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067513.D
Acq: 04 Nov 2020 11:59

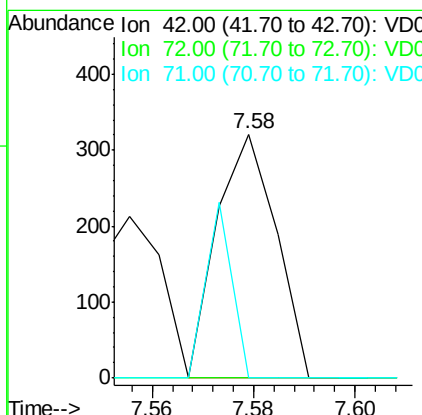
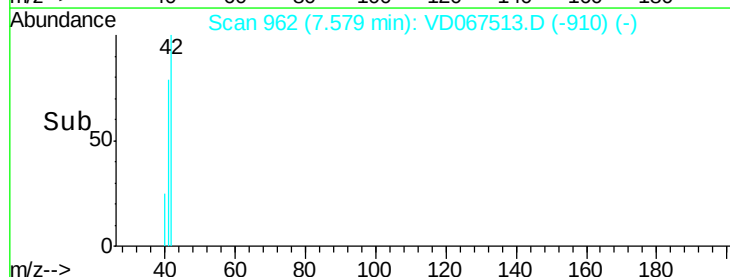
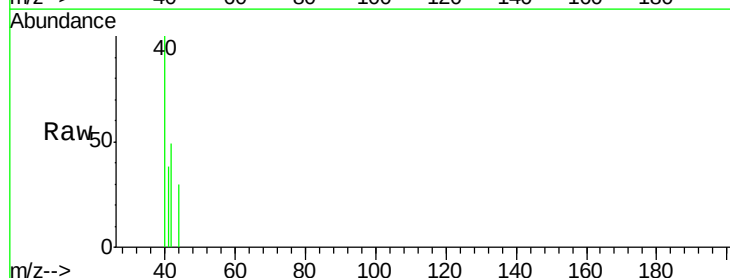
Instrument :
MSVOA_D
ClientSampleId :
TR-05-110320

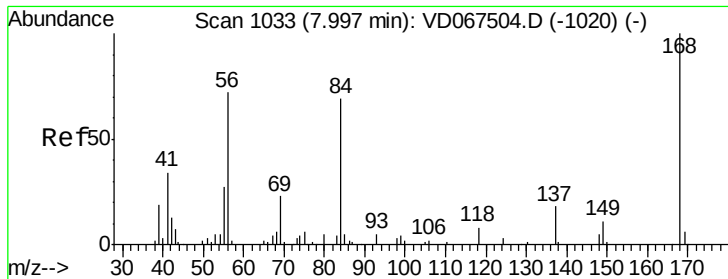
Tot Ion: 84 Resp: 1241
Ion Ratio Lower Upper
84 100
49 0.0 77.0 115.4#
51 32.2 25.4 38.2
86 0.0 49.4 74.0#



#29
Tetrahydrofuran
Concen: 3.755 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD067513.D
Acq: 04 Nov 2020 11:59

Tgt Ion: 42 Resp: 260
Ion Ratio Lower Upper
42 100
72 0.0 46.3 69.5#
71 31.5 44.0 66.0#

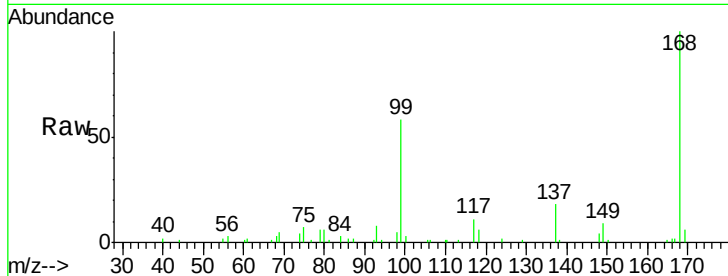




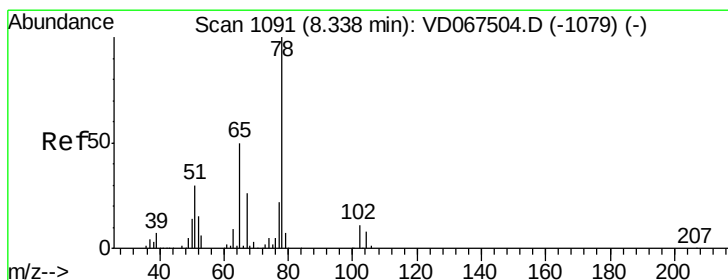
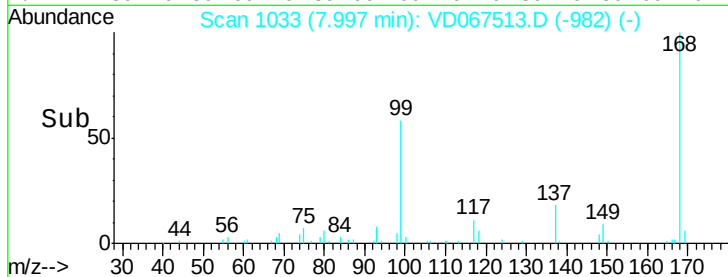
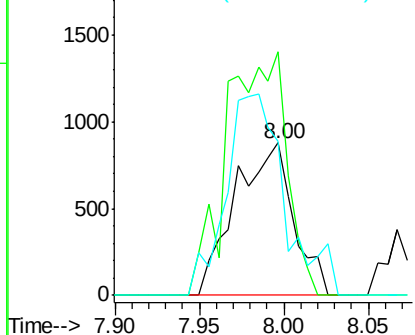
#31
Cyclohexane
Concen: 2.000 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VD067513.D
Acq: 04 Nov 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
TR-05-110320

Tot Ion: 56 Resp: 2097
Ion Ratio Lower Upper
56 100
69 160.0 25.9 38.9#
84 101.6 76.2 114.4

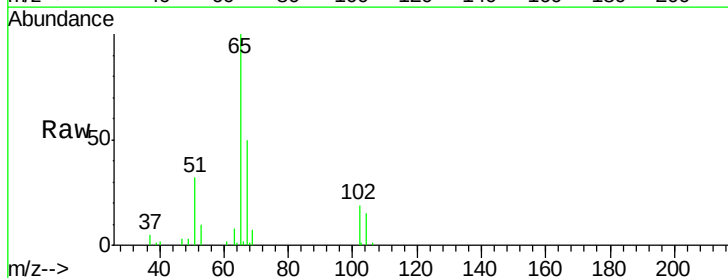


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

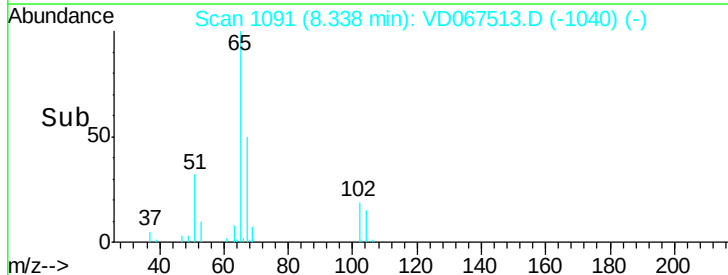
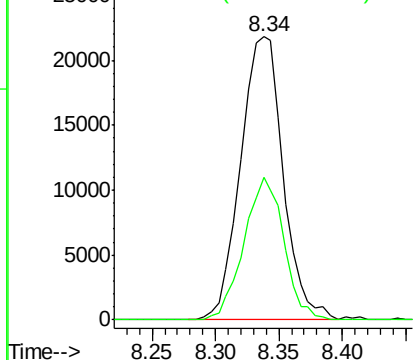


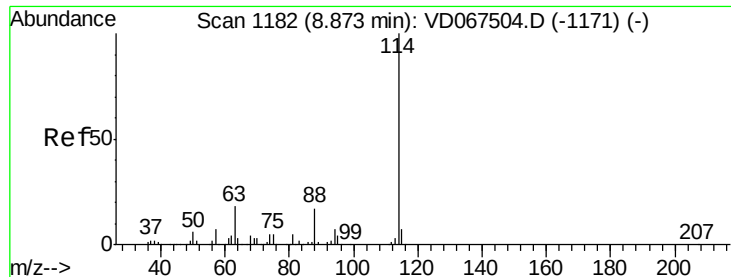
#33
1,2-Dichloroethane-d4
Concen: 70.445 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD067513.D
Acq: 04 Nov 2020 11:59

Tgt Ion: 65 Resp: 50929
Ion Ratio Lower Upper
65 100
67 47.2 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

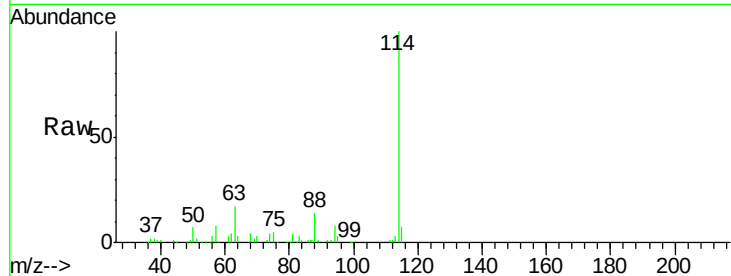




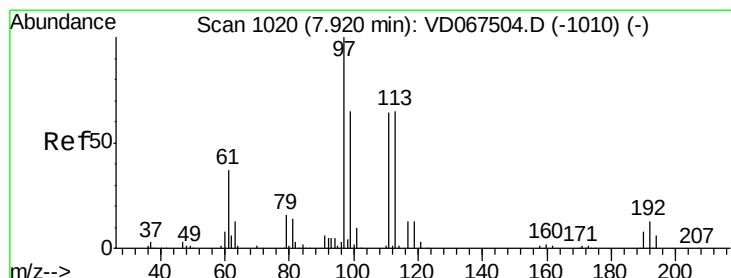
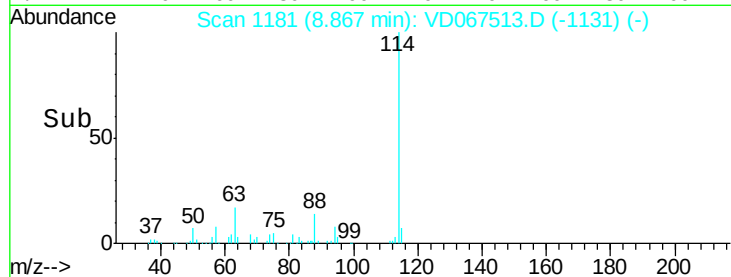
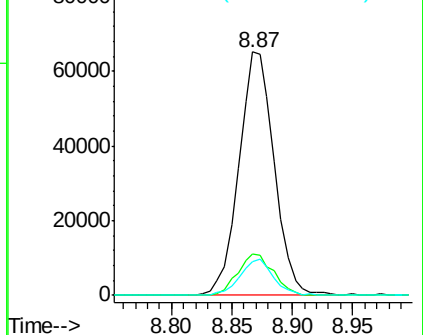
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD067513.D
Acq: 04 Nov 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :
TR-05-110320

Tot Ion:114 Resp: 132565
Ion Ratio Lower Upper
114 100
63 16.9 0.0 35.0
88 13.9 0.0 33.0

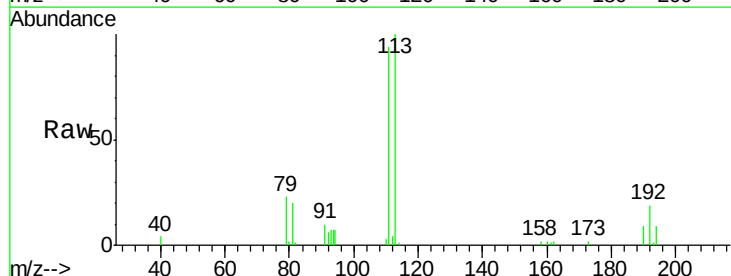


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

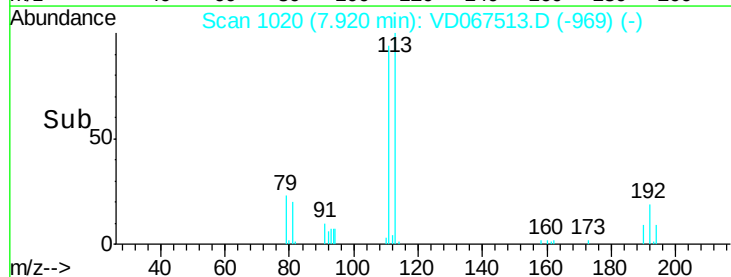
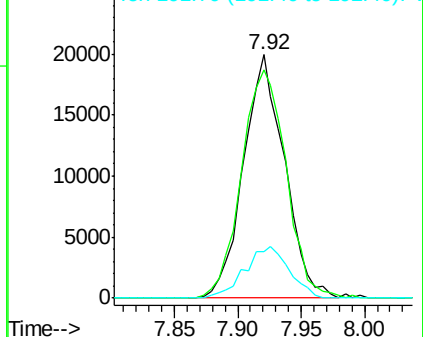


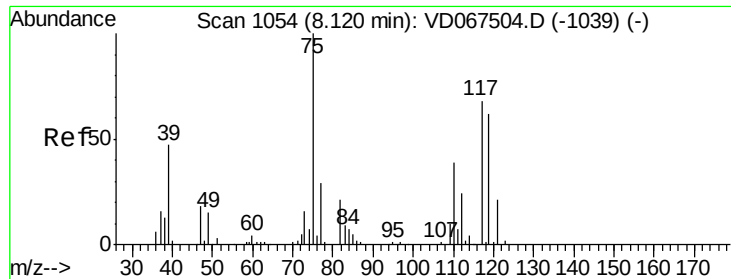
#35
Dibromofluoromethane
Concen: 56.155 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD067513.D
Acq: 04 Nov 2020 11:59

Tgt Ion:113 Resp: 44851
Ion Ratio Lower Upper
113 100
111 102.0 80.0 120.0
192 22.8 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.077 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067513.D

Acq: 04 Nov 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

TR-05-110320

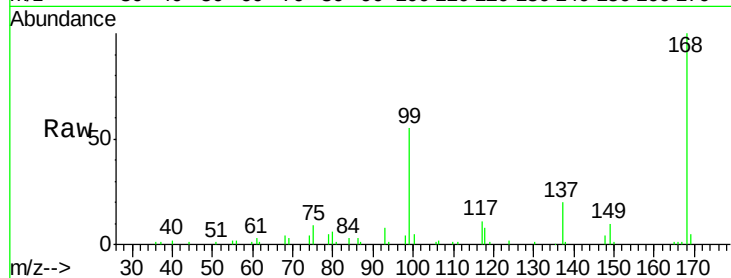
Tot Ion: 75 Resp: 5761

Ion Ratio Lower Upper

75 100

110 7.3 19.9 59.7#

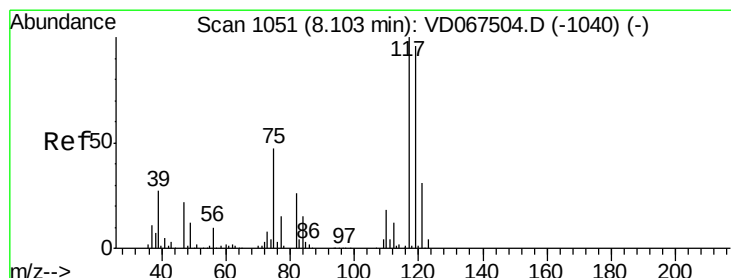
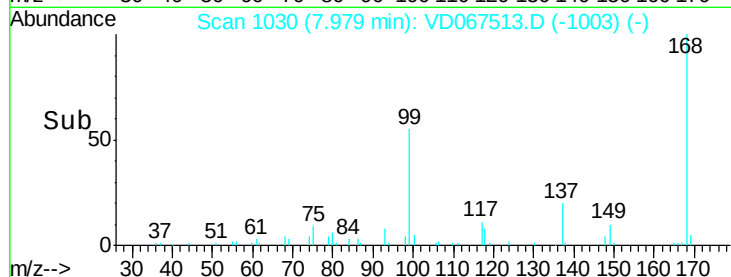
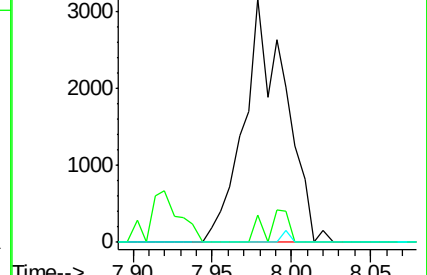
77 0.9 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.978 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067513.D

Acq: 04 Nov 2020 11:59

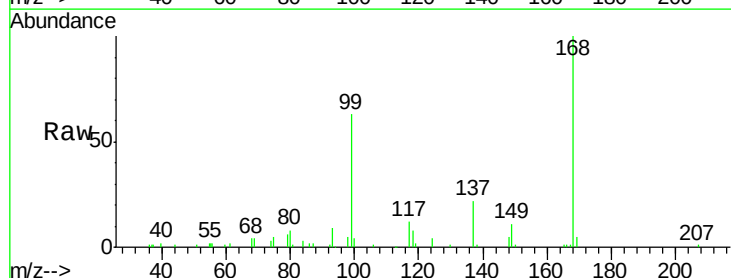
Tgt Ion: 117 Resp: 8813

Ion Ratio Lower Upper

117 100

119 13.0 76.9 115.3#

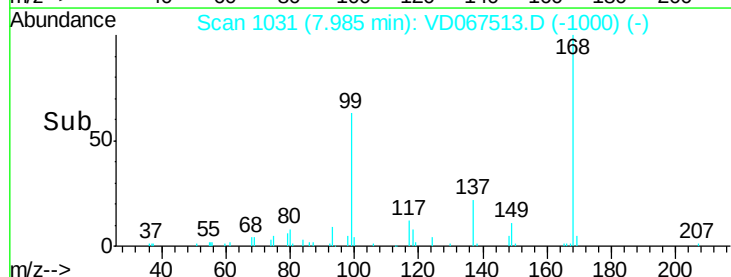
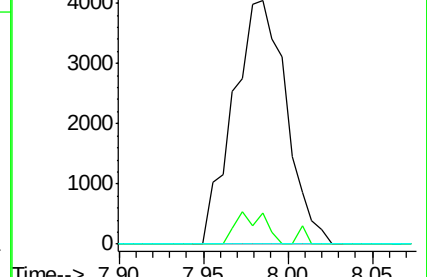
121 0.0 24.5 36.7#

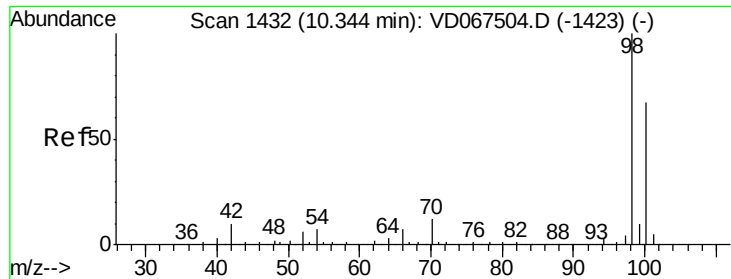


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

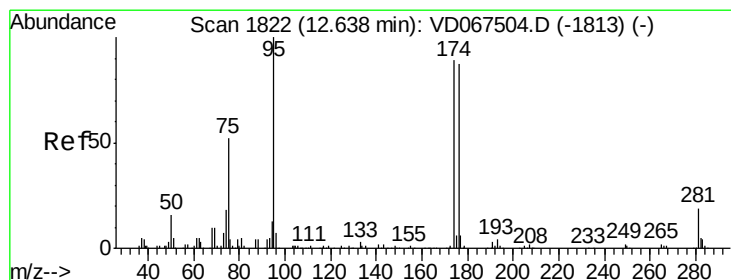
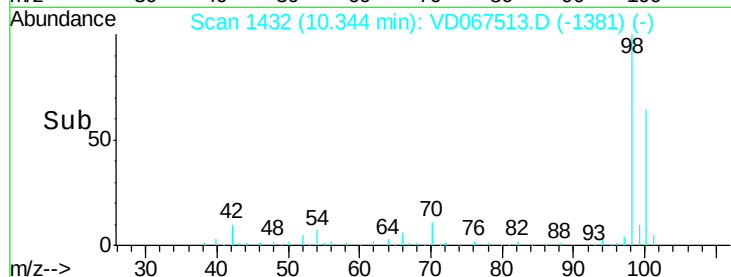
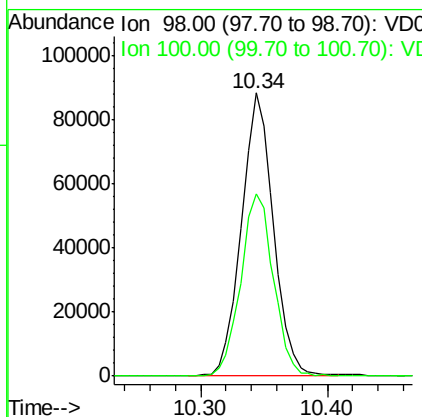
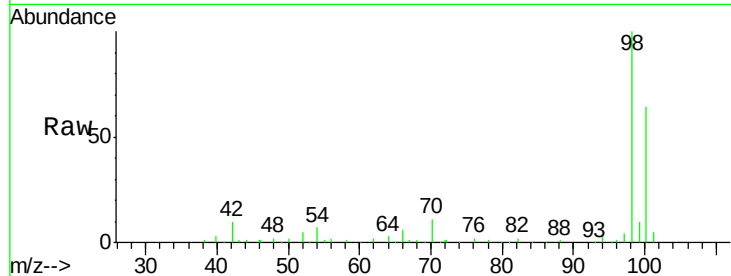




#50
Toluene-d8
Concen: 55.227 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067513.D
Acq: 04 Nov 2020 11:59

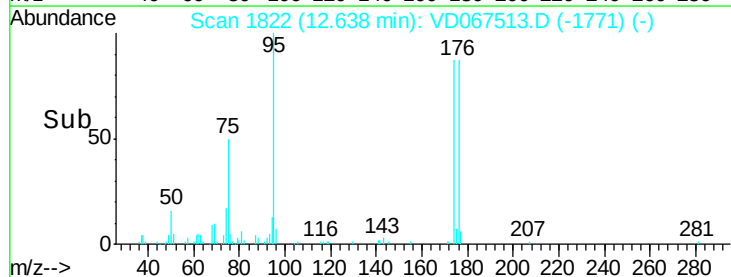
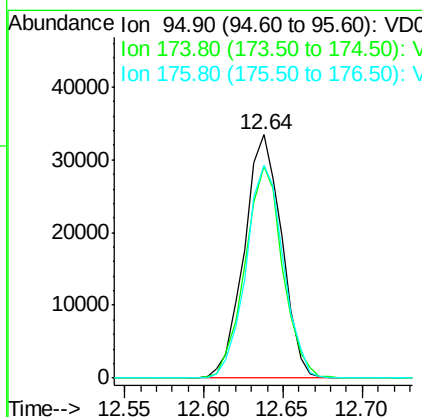
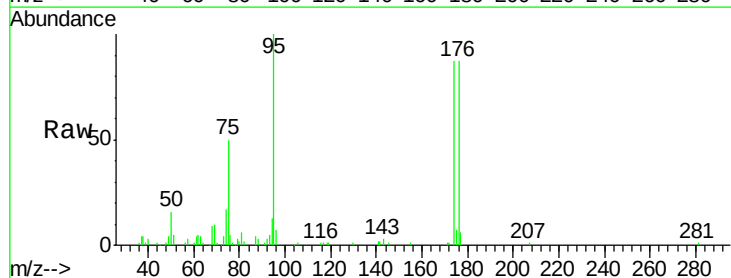
Instrument :
MSVOA_D
ClientSampleId :
TR-05-110320

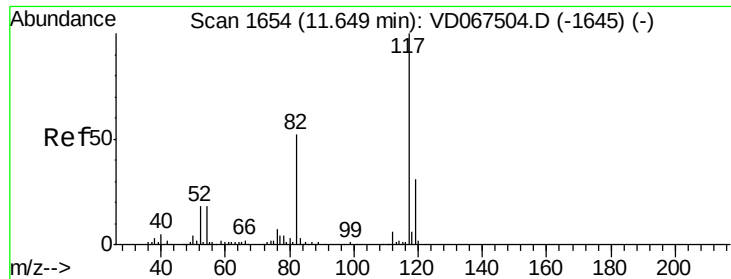
Tot Ion: 98 Resp: 155011
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 56.739 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067513.D
Acq: 04 Nov 2020 11:59

Tgt Ion: 95 Resp: 54983
Ion Ratio Lower Upper
95 100
174 87.3 0.0 177.8
176 86.8 0.0 172.0

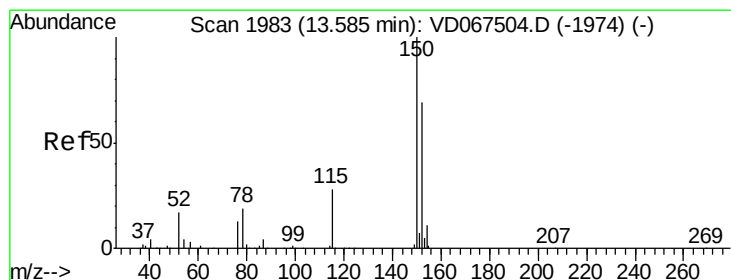
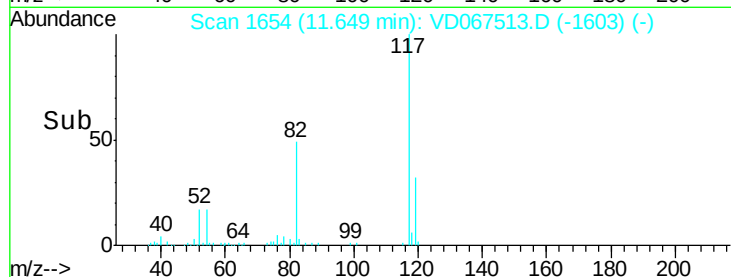
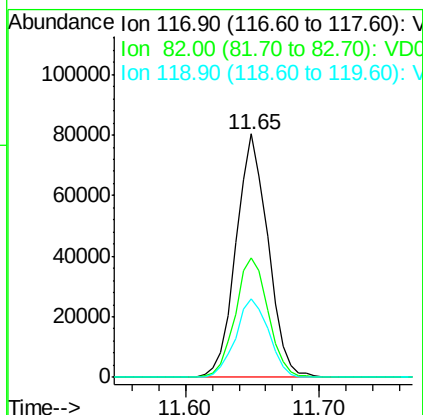
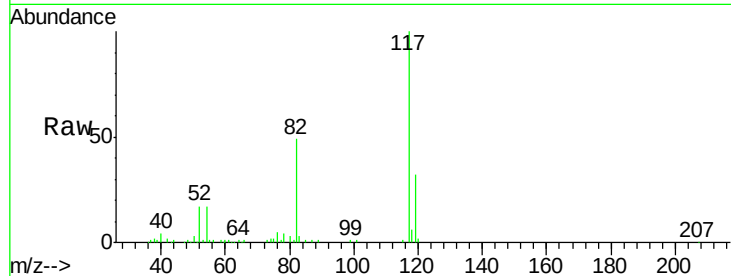




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067513.D
Acq: 04 Nov 2020 11:59

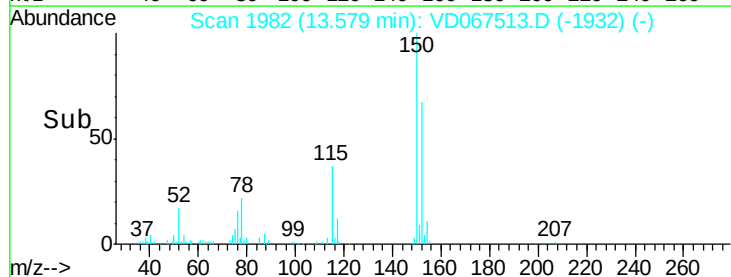
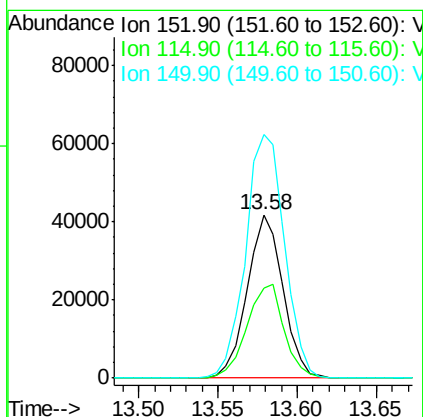
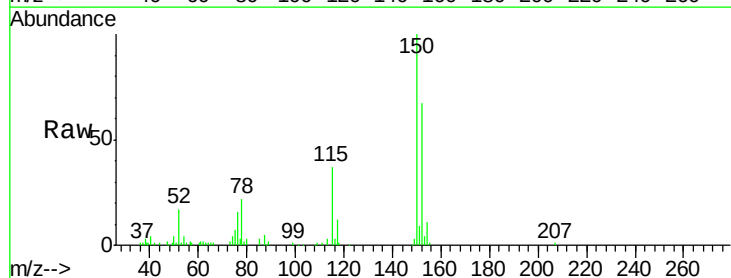
Instrument :
MSVOA_D
ClientSampleId :
TR-05-110320

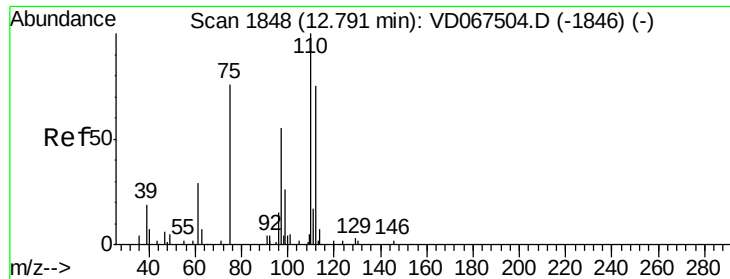
Tot Ion:117 Resp: 133243
Ion Ratio Lower Upper
117 100
82 49.0 41.6 62.4
119 32.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067513.D
Acq: 04 Nov 2020 11:59

Tgt Ion:152 Resp: 65509
Ion Ratio Lower Upper
152 100
115 59.6 29.3 88.0
150 161.9 0.0 338.2

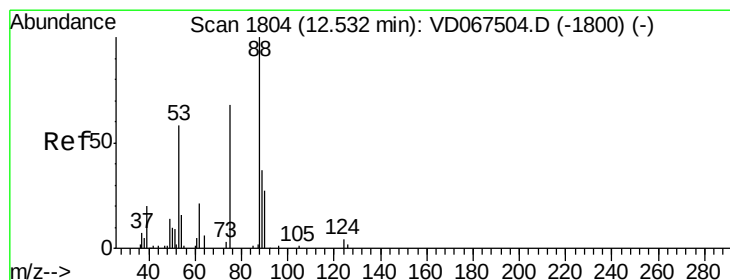
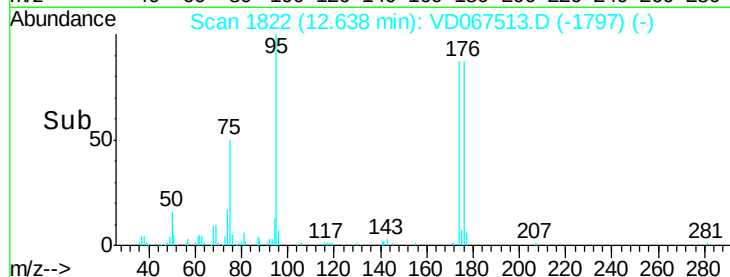
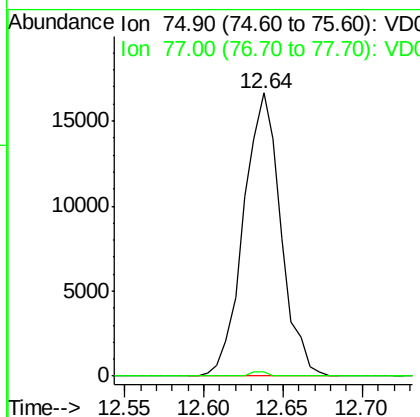
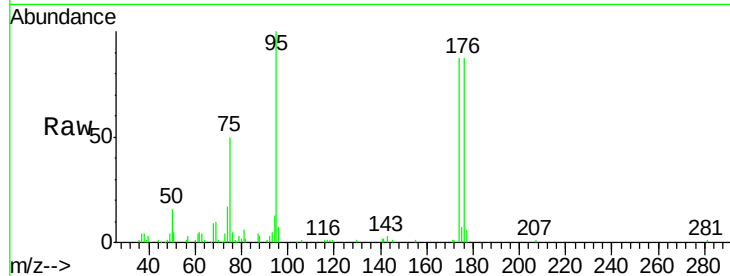




#76
 1,2,3-Trichloropropane
 Concen: 68.583 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067513.D
 Acq: 04 Nov 2020 11:59

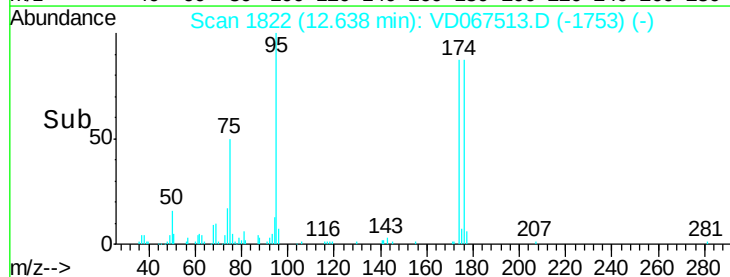
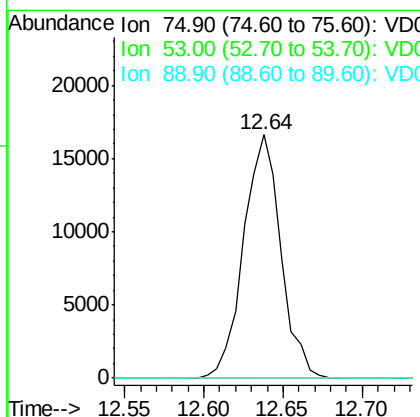
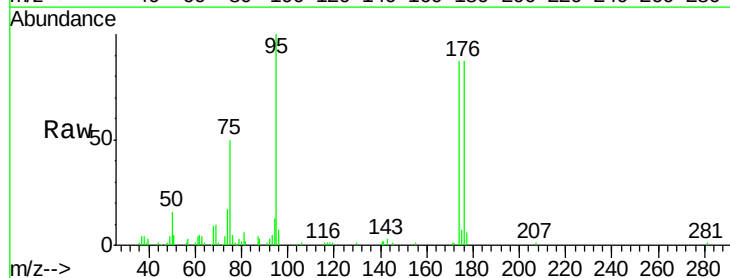
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-110320

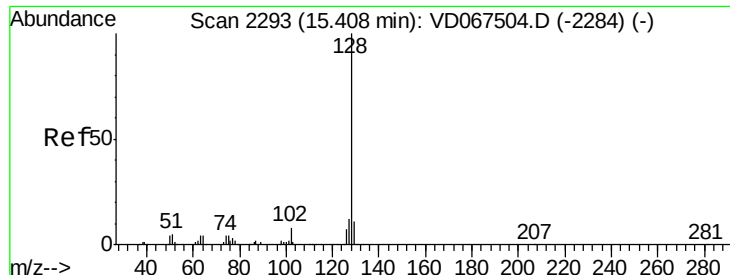
Tot Ion: 75 Resp: 27103
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.241 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067513.D
 Acq: 04 Nov 2020 11:59

Tgt Ion: 75 Resp: 27103
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.9 113.9#
 89 0.0 44.6 67.0#





#95

Naphthalene

Concen: 1.046 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067513.D

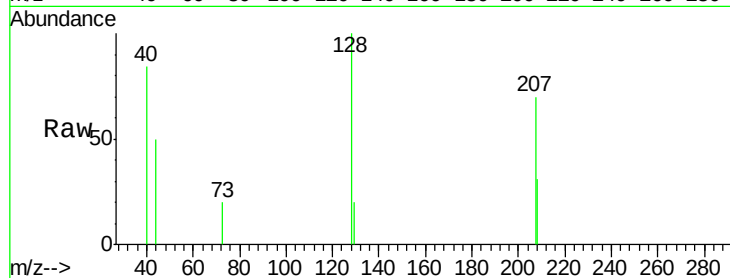
Acq: 04 Nov 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

TR-05-110320



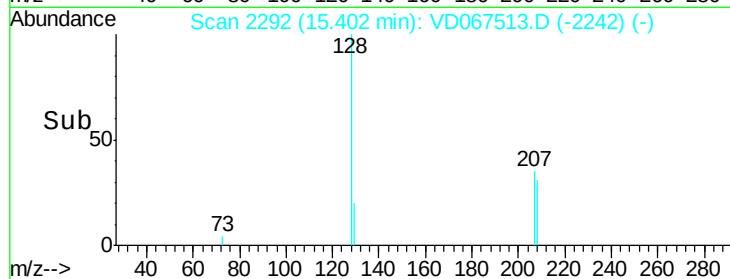
Tot Ion:128 Resp: 1881

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 10.5 8.9 13.3



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

