

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067440.D
 Acq On : 28 Oct 2020 18:19
 Operator : VA/SY
 Sample : L4530-03
 Misc : 5.42G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124021

Quant Time: Oct 29 00:46:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	315811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	505211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	514158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250667	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	168570	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
35) Dibromofluoromethane	7.92	113	166430	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
50) Toluene-d8	10.34	98	596001	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.64	95	218538	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

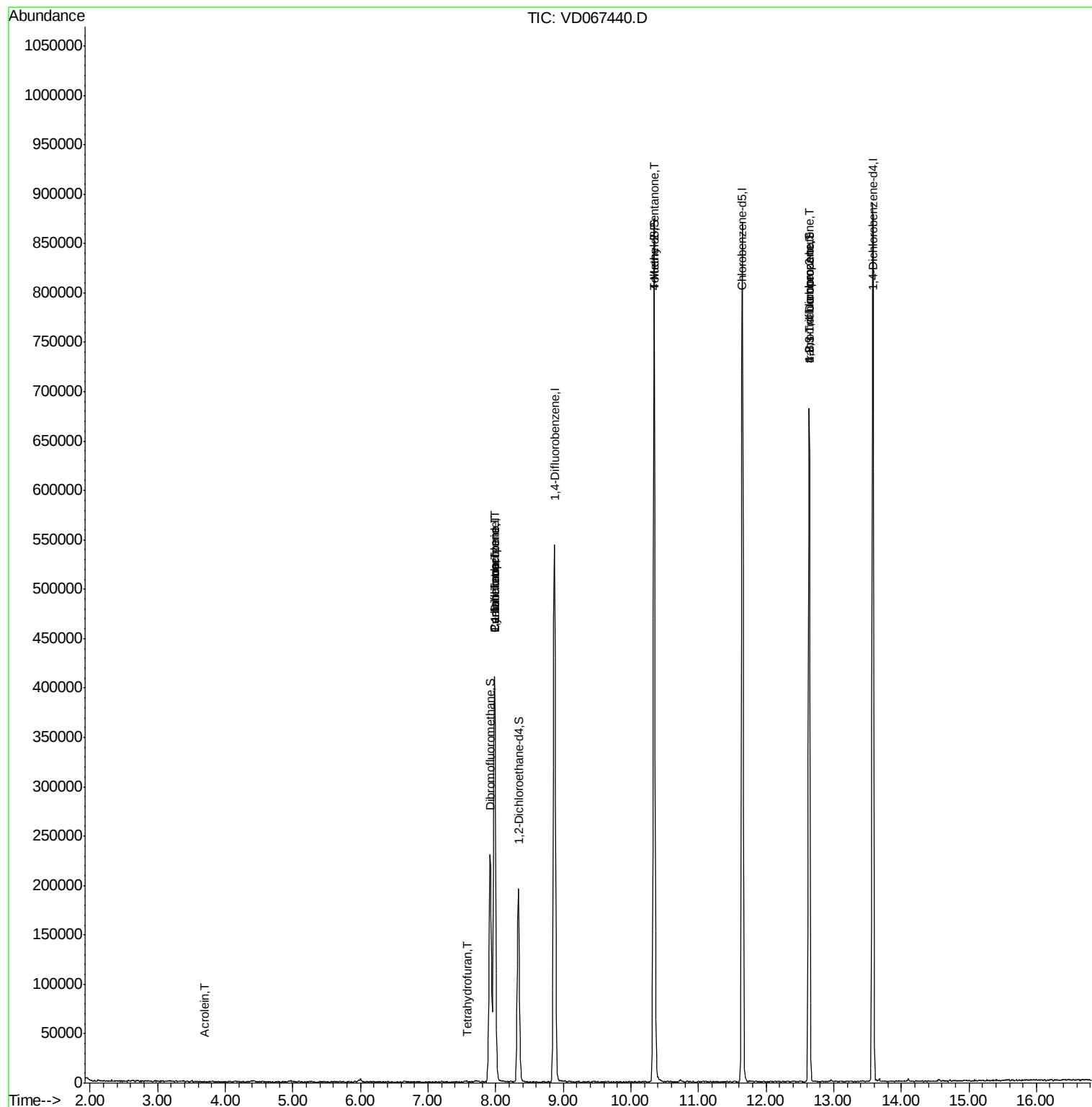
					Qvalue
2) Dichlorodifluoromethane	1.99	85	174	Below Cal	# 44
5) Bromomethane	2.78	94	53	Below Cal	# 3
13) Acrolein	3.70	56	78	22.041	ug/l # 15
20) Methylene Chloride	4.97	84	632	Below Cal	# 46
29) Tetrahydrofuran	7.57	42	323	1.150	ug/l # 43
31) Cyclohexane	7.98	56	6557	1.799	ug/l # 19
36) 1,1-Dichloropropene	7.98	75	22409	5.233	ug/l # 50
38) Carbon Tetrachloride	7.98	117	32046	5.856	ug/l # 18
51) 4-Methyl-2-Pentanone	10.34	43	2110	1.692	ug/l # 1
76) 1,2,3-Trichloropropane	12.64	75	111925	64.422	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.64	75	111925	146.091	ug/l # 10

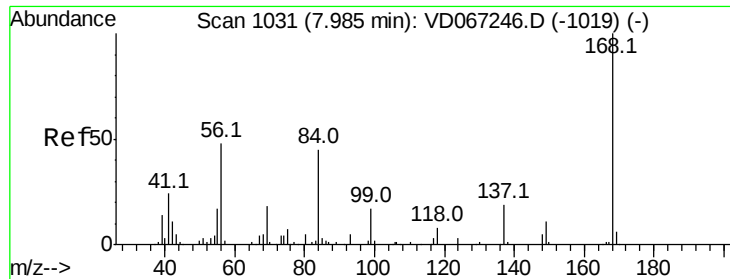
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102820\
Data File : VD067440.D
Acq On : 28 Oct 2020 18:19
Operator : VA/SY
Sample : L4530-03
Misc : 5.42G/5.00ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
124021

Quant Time: Oct 29 00:46:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
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: VD067440.D

Acq: 28 Oct 2020 18:19

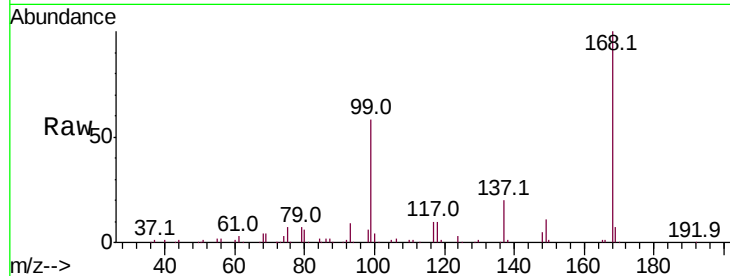
Instrument :
MSVOA_D
ClientSampleId :
124021

Tot Ion:168 Resp: 315811

Ion Ratio Lower Upper

168 100

99 57.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

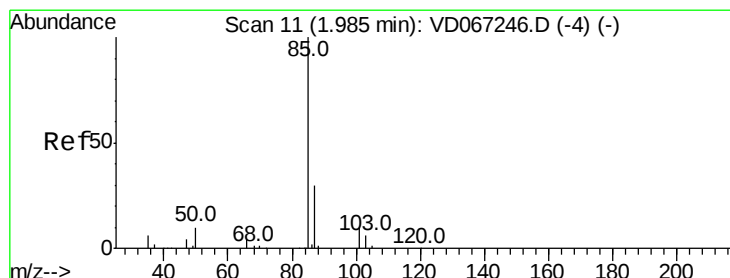
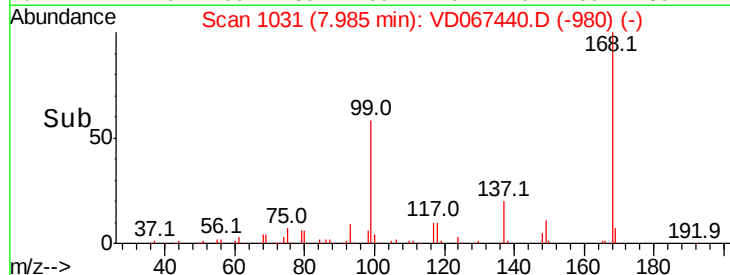
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067440.D

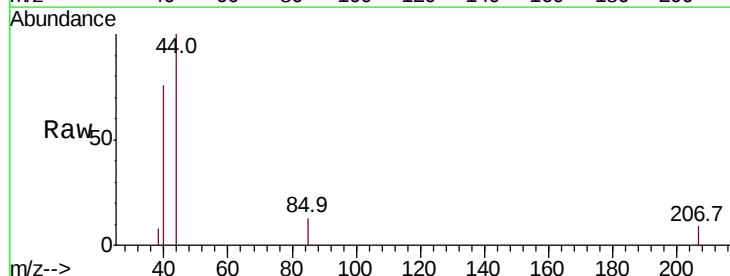
Acq: 28 Oct 2020 18:19

Tgt Ion: 85 Resp: 174

Ion Ratio Lower Upper

85 100

87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

250

200

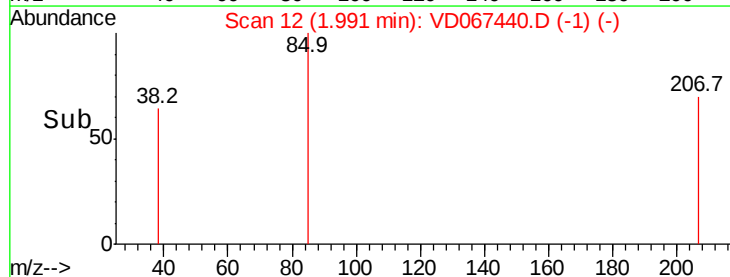
150

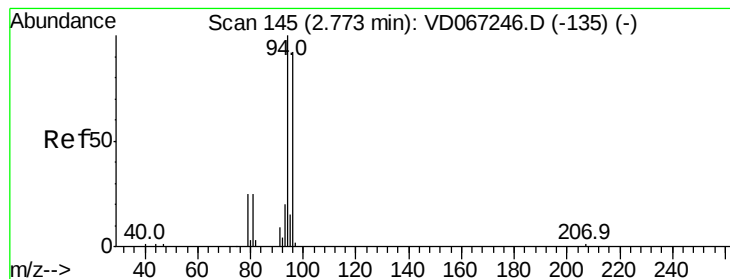
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067440.D

Acq: 28 Oct 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

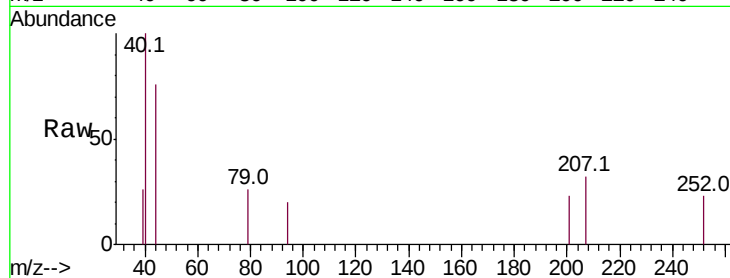
124021

Tot Ion: 94 Resp: 53

Ion Ratio Lower Upper

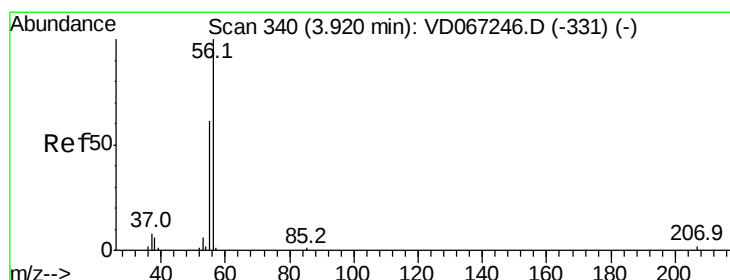
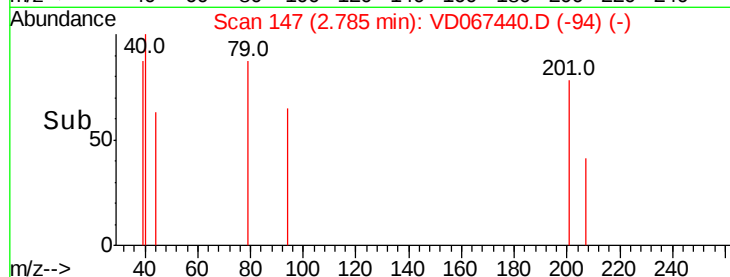
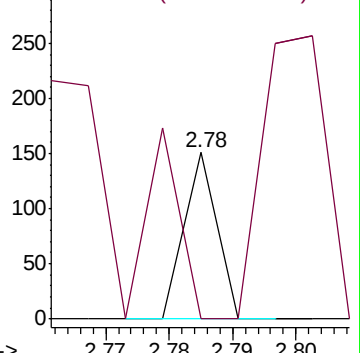
94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#13

Acrolein

Concen: 22.041 ug/l

RT: 3.70 min Scan# 302

Delta R.T. -0.22 min

Lab File: VD067440.D

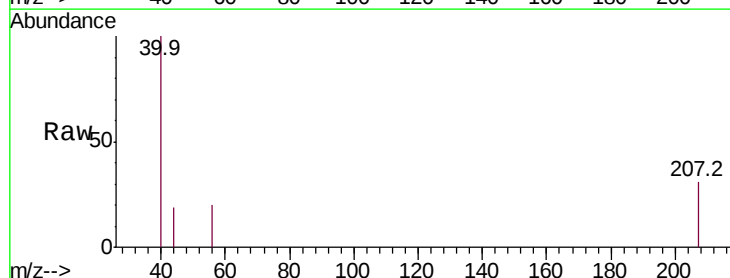
Acq: 28 Oct 2020 18:19

Tgt Ion: 56 Resp: 78

Ion Ratio Lower Upper

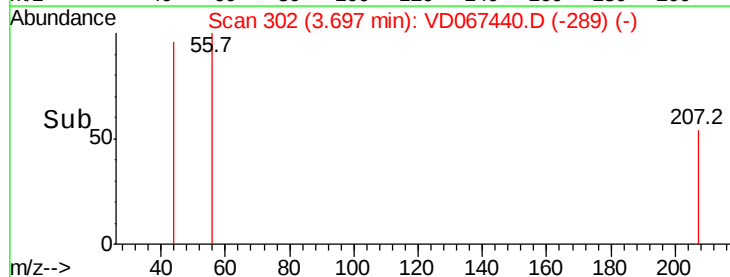
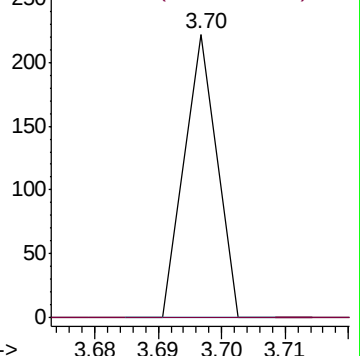
56 100

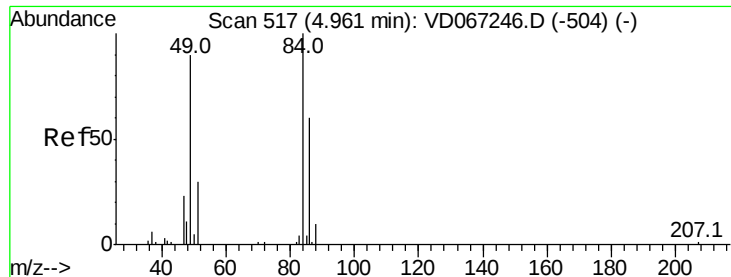
55 0.0 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067440.D

Acq: 28 Oct 2020 18:19

Instrument :

MSVOA_D

ClientSampleID :

124021

Tot Ion: 84 Resp: 632

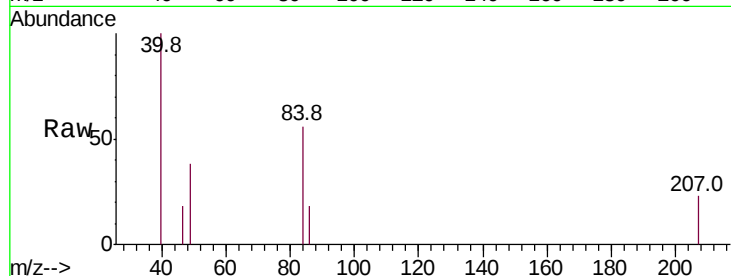
Ion Ratio Lower Upper

84 100

49 29.7 72.2 108.2#

51 0.0 23.8 35.8#

86 32.2 48.2 72.4#

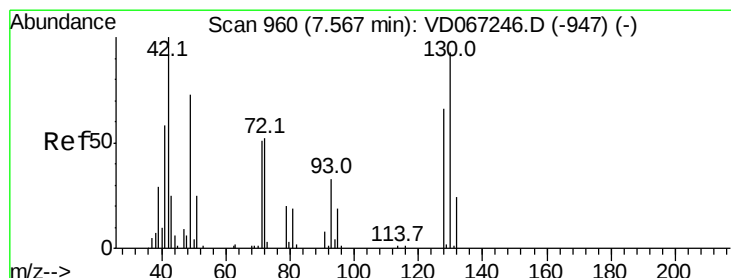
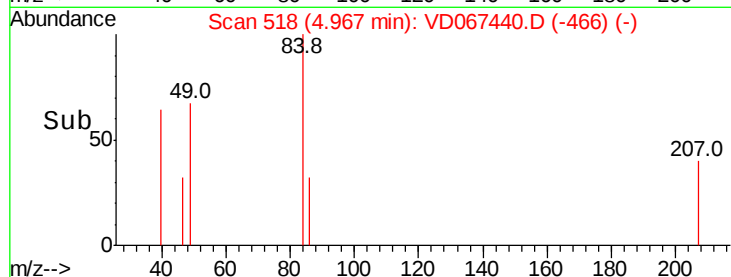
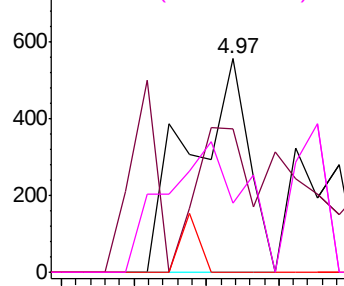


Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#29

Tetrahydrofuran

Concen: 1.150 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD067440.D

Acq: 28 Oct 2020 18:19

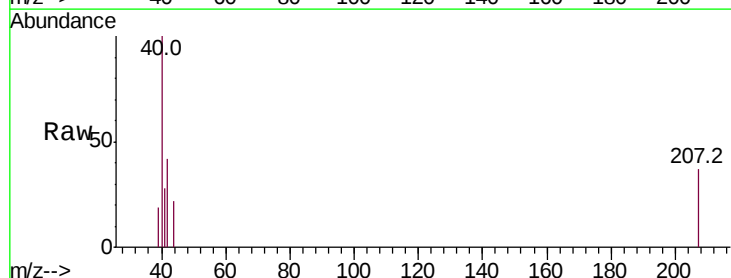
Tgt Ion: 42 Resp: 323

Ion Ratio Lower Upper

42 100

72 0.0 43.2 64.8#

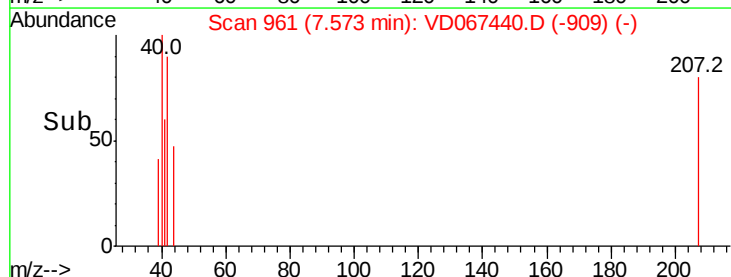
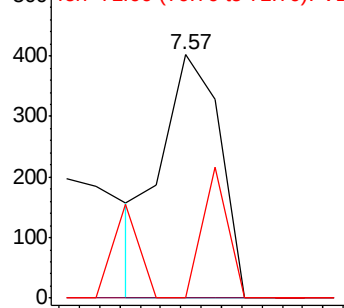
71 23.5 39.4 59.0#

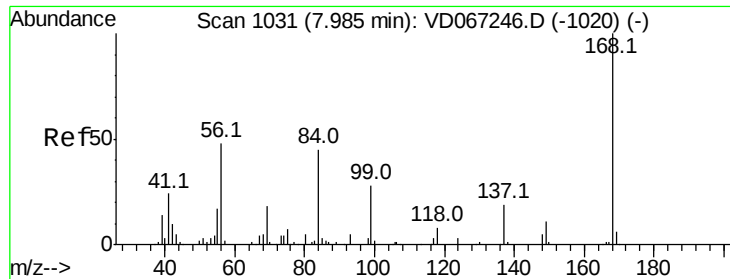


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

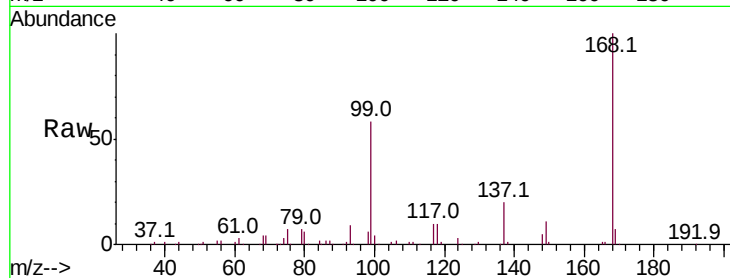




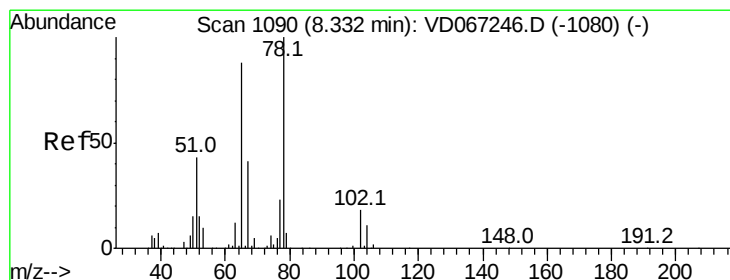
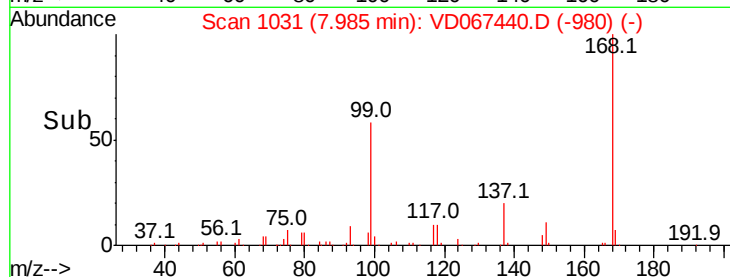
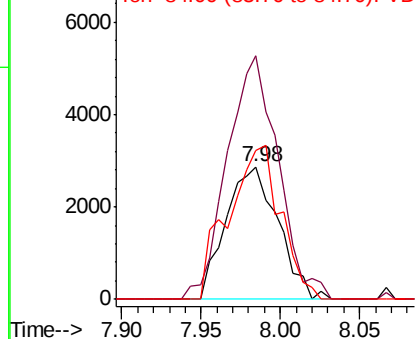
#31
Cyclohexane
Concen: 1.799 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067440.D
Acq: 28 Oct 2020 18:19

Instrument :
MSVOA_D
ClientSampled :
124021

Tot Ion: 56 Resp: 6557
Ion Ratio Lower Upper
56 100
69 183.7 29.8 44.6#
84 112.1 76.6 114.8

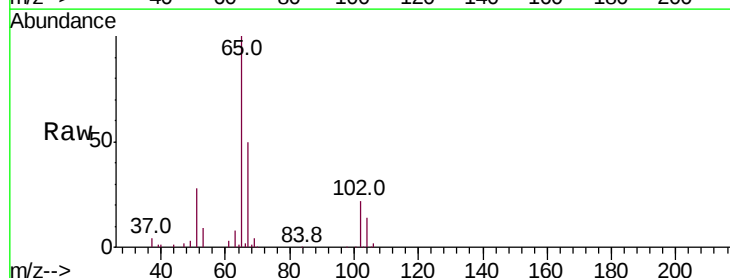


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

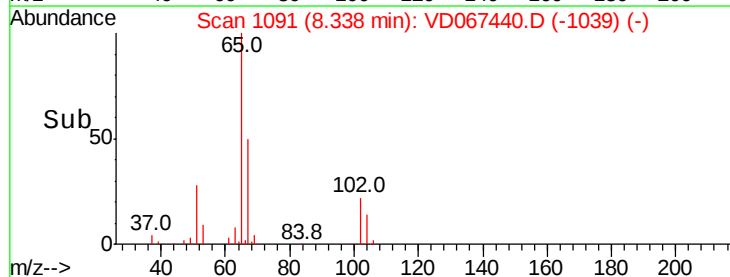
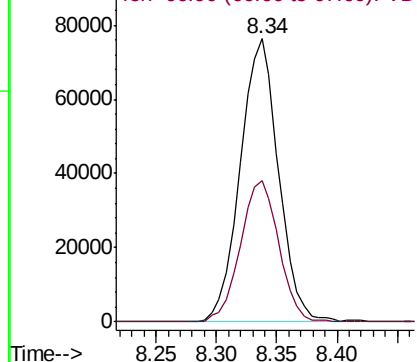


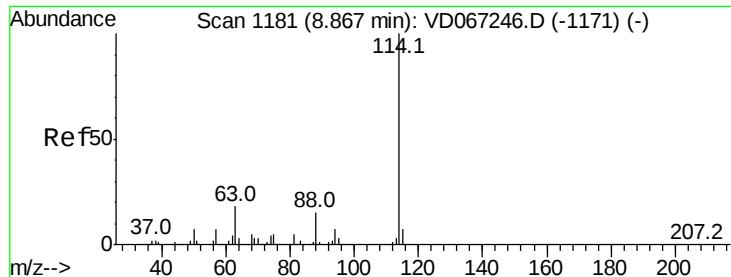
#33
1,2-Dichloroethane-d4
Concen: 53.278 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067440.D
Acq: 28 Oct 2020 18:19

Tgt Ion: 65 Resp: 168570
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.8



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

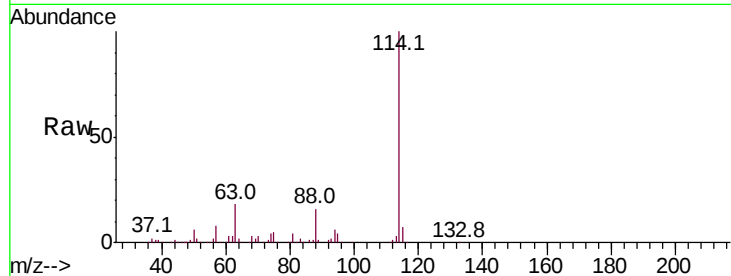




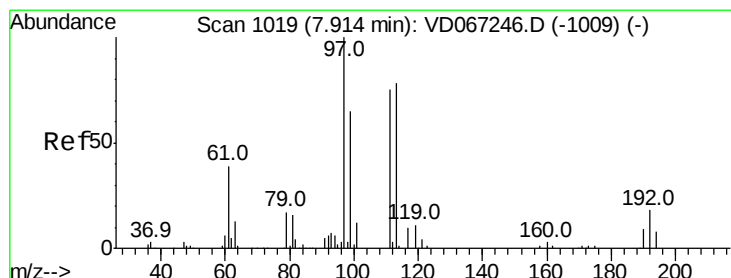
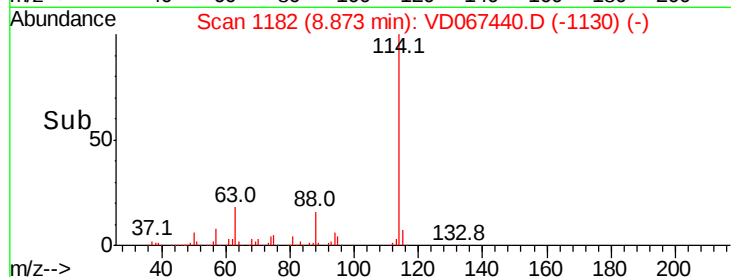
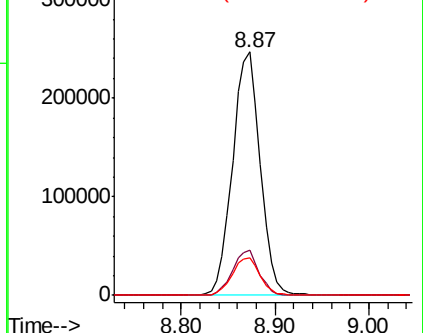
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD067440.D
Acq: 28 Oct 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
124021

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	35.0
88	15.5	0.0	30.6

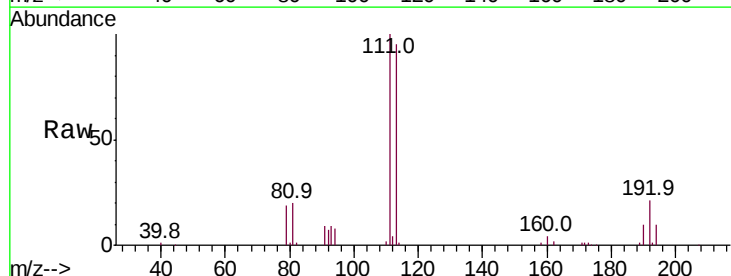


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

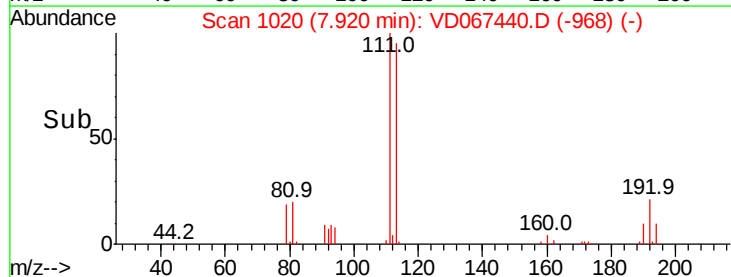
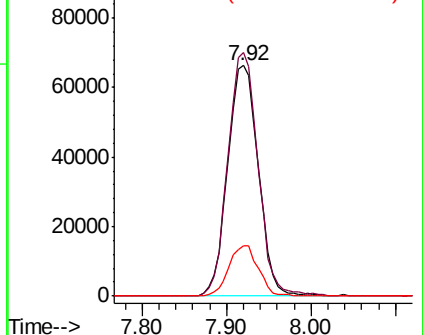


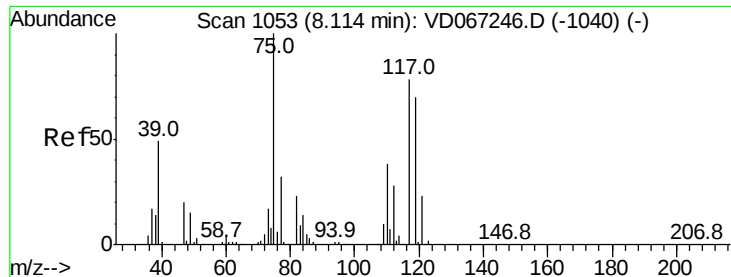
#35
Dibromofluoromethane
Concen: 49.501 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067440.D
Acq: 28 Oct 2020 18:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.6	122.4
192	21.1	17.0	25.4



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: 5.233 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067440.D

Acq: 28 Oct 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

124021

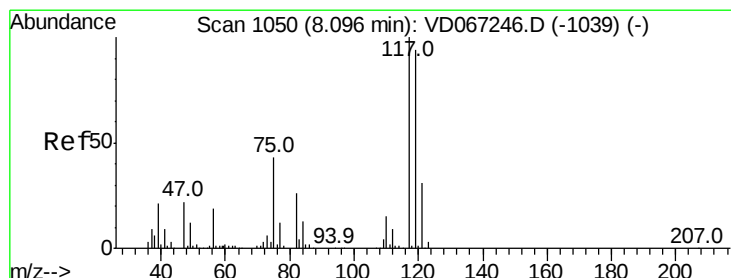
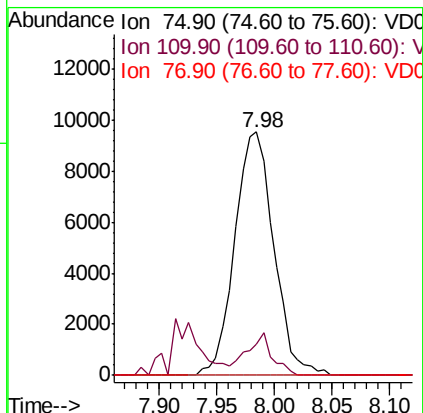
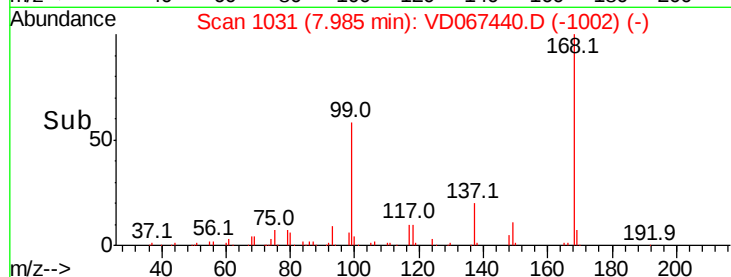
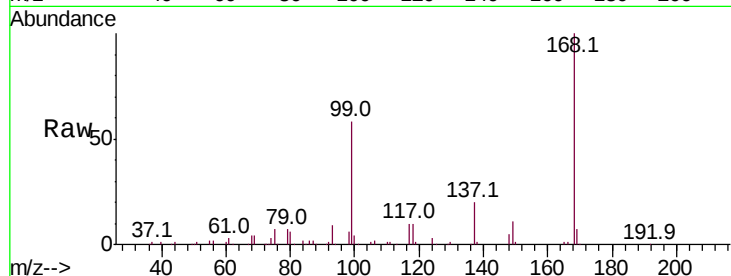
Tot Ion: 75 Resp: 22409

Ion Ratio Lower Upper

75 100

110 11.2 19.6 58.7#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.856 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067440.D

Acq: 28 Oct 2020 18:19

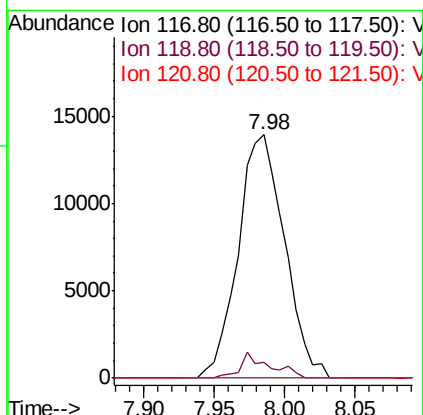
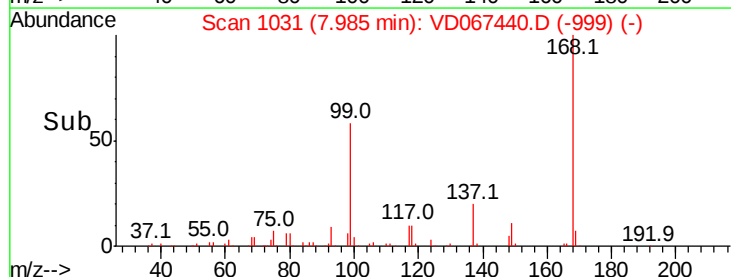
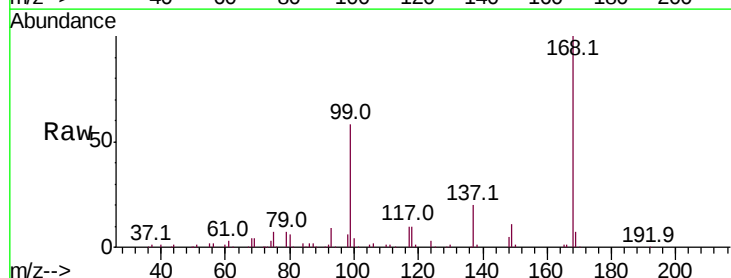
Tgt Ion: 117 Resp: 32046

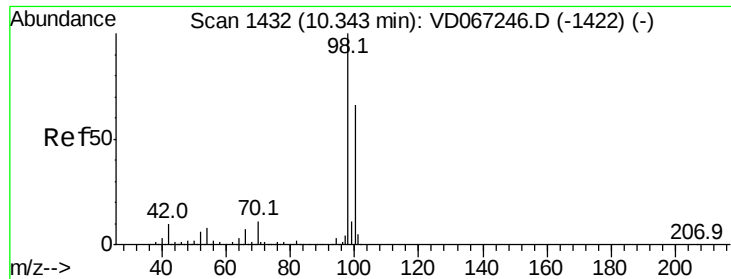
Ion Ratio Lower Upper

117 100

119 6.7 75.0 112.4#

121 0.0 24.9 37.3#

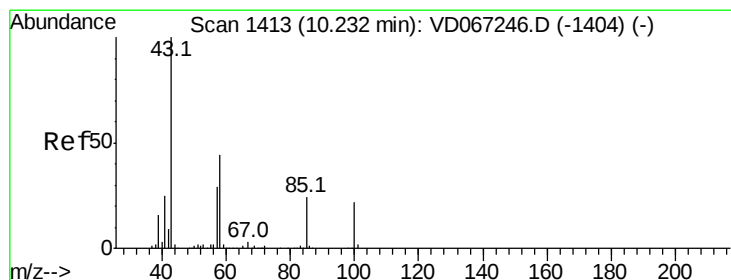
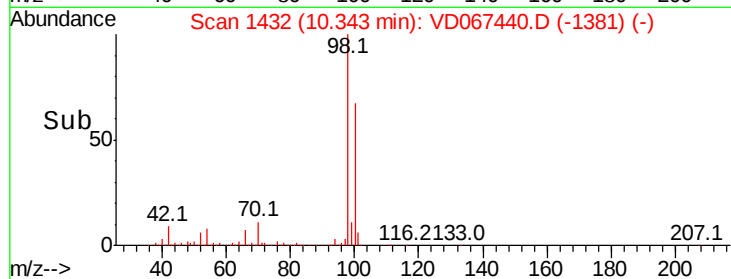
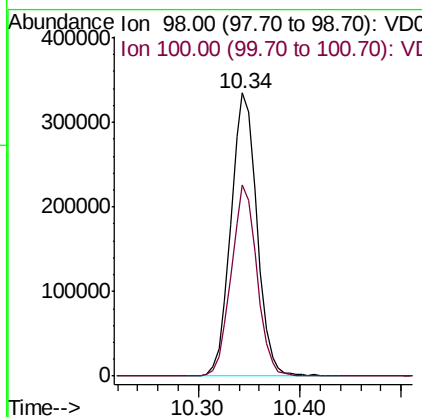
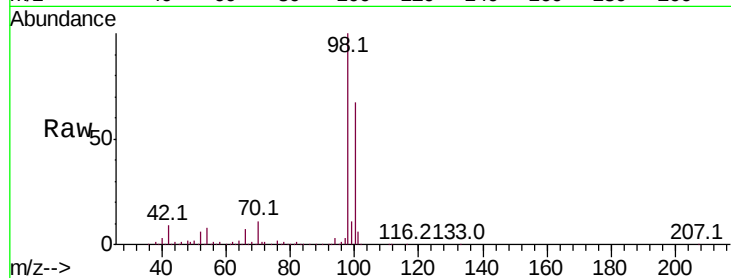




#50
Toluene-d8
Concen: 48.983 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067440.D
Acq: 28 Oct 2020 18:19

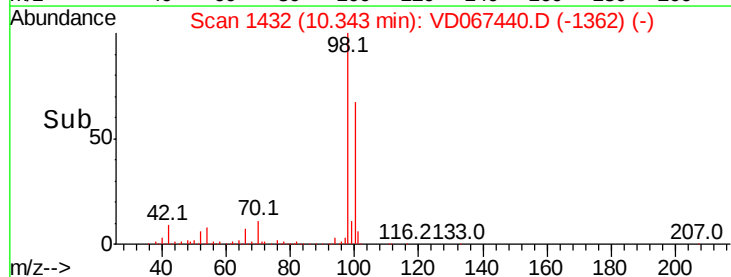
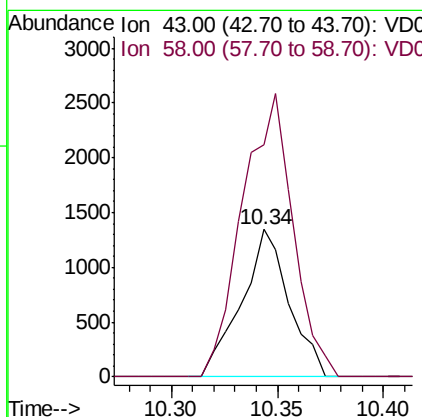
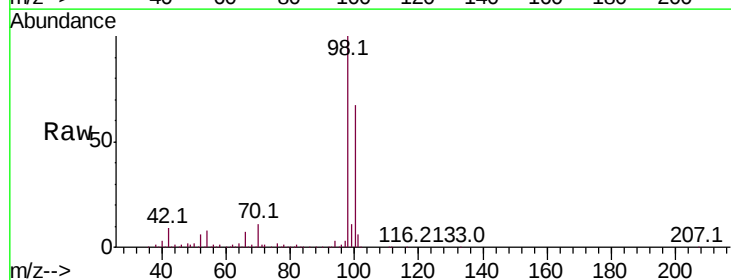
Instrument :
MSVOA_D
ClientSampleId :
124021

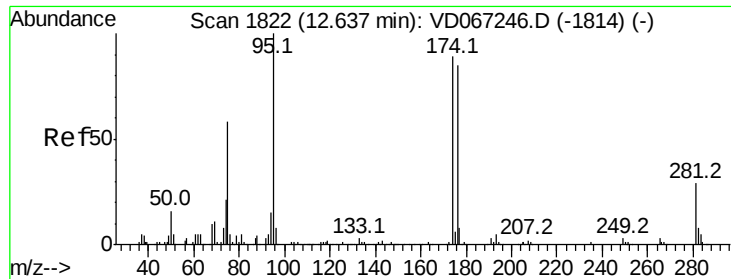
Tot Ion: 98 Resp: 596001
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.692 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067440.D
Acq: 28 Oct 2020 18:19

Tgt Ion: 43 Resp: 2110
Ion Ratio Lower Upper
43 100
58 203.9 35.7 53.5#

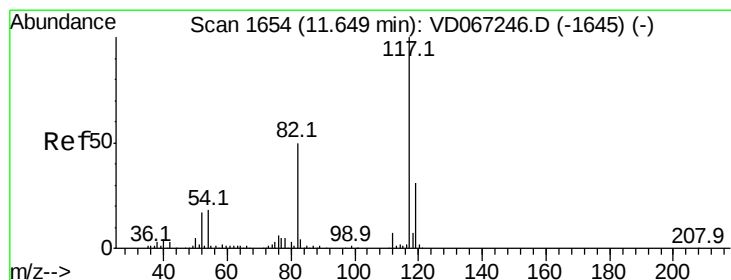
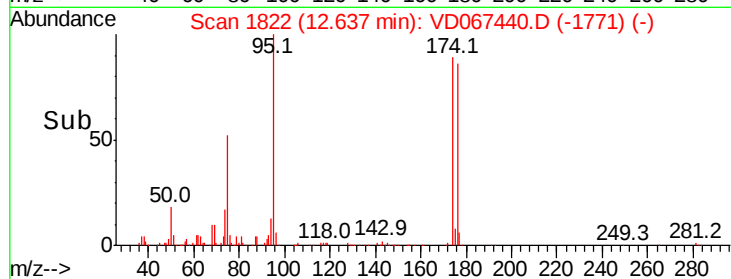
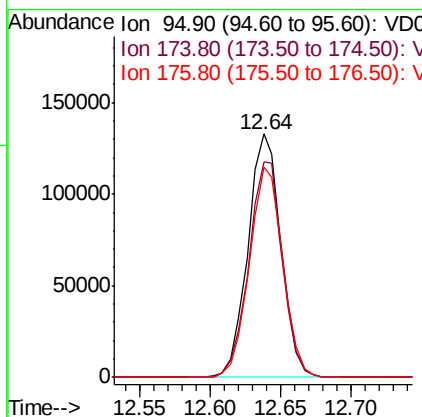
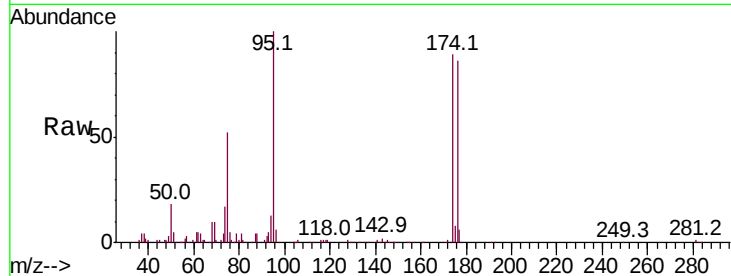




#62
4-Bromofluorobenzene
Concen: 51.653 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067440.D
Acq: 28 Oct 2020 18:19

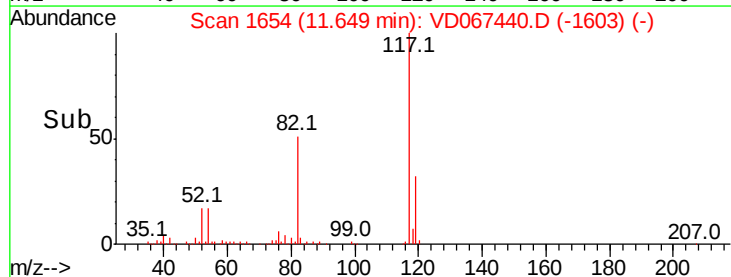
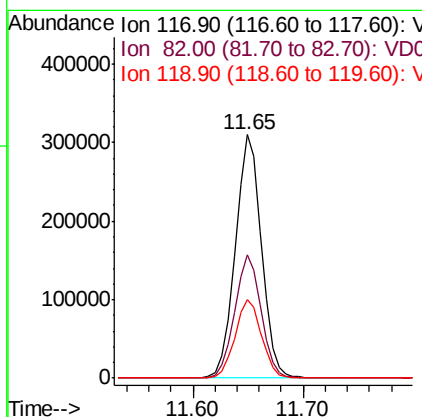
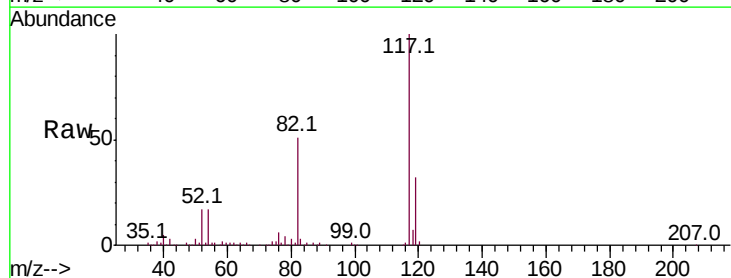
Instrument :
MSVOA_D
ClientSampleId :
124021

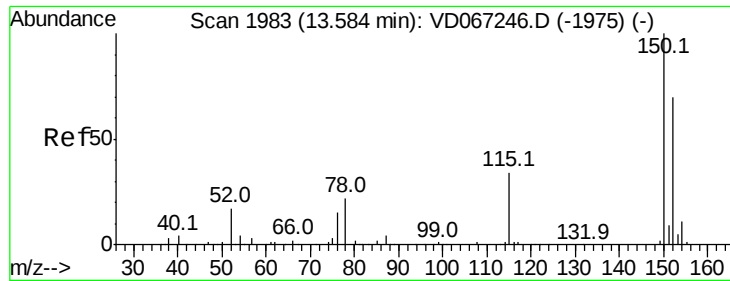
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	175.2
176	87.2	0.0	168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067440.D
Acq: 28 Oct 2020 18:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.8	39.9	59.9
119	32.3	24.9	37.3



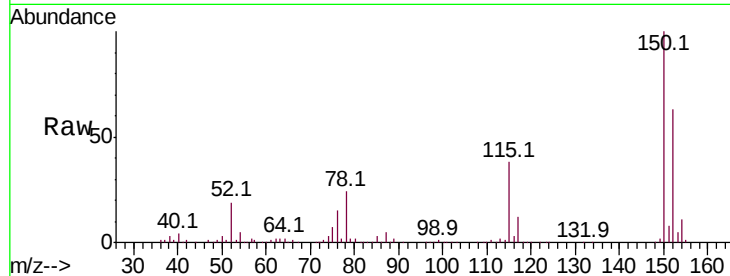


#72

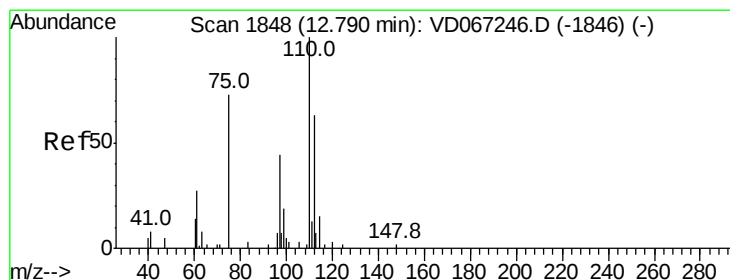
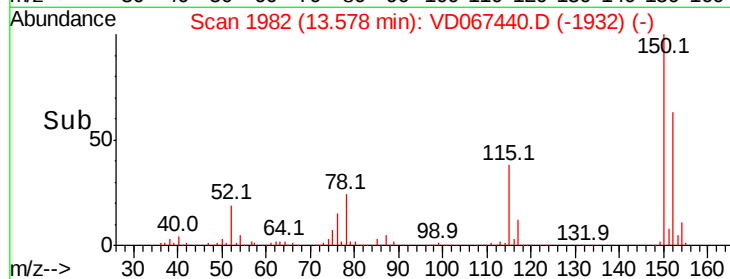
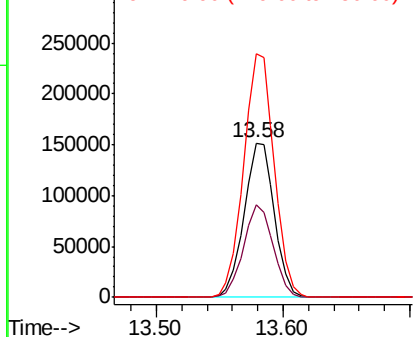
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067440.D
Acq: 28 Oct 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
124021

Tot Ion:152 Resp: 250667
Ion Ratio Lower Upper
152 100
115 58.8 29.3 87.9
150 159.7 0.0 339.0



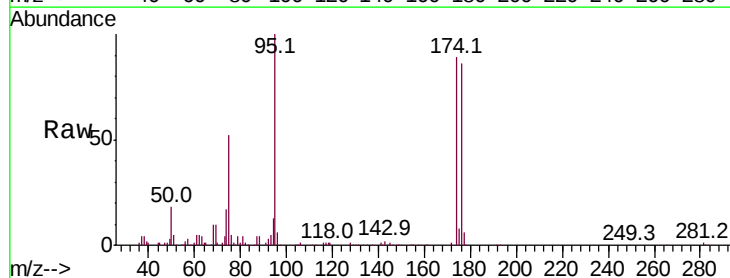
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



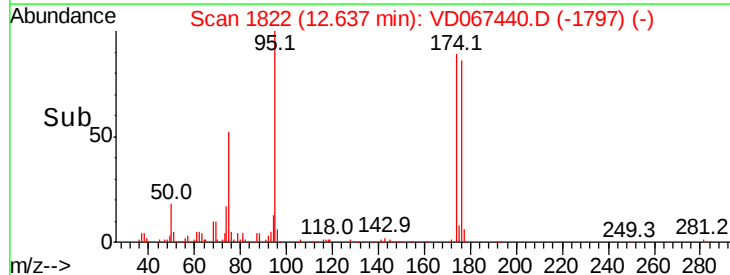
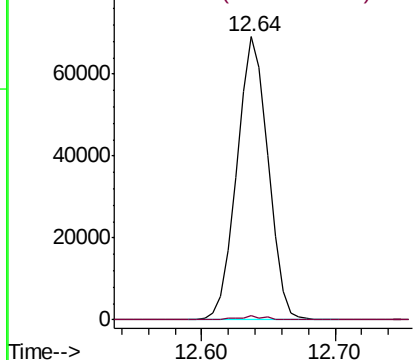
#76

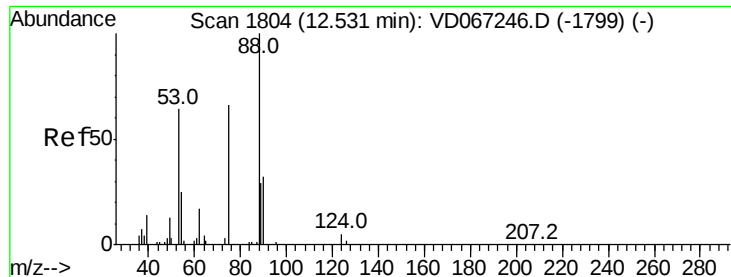
1,2,3-Trichloropropane
Concen: 64.422 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067440.D
Acq: 28 Oct 2020 18:19

Tgt Ion: 75 Resp: 111925
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 146.091 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067440.D

Acq: 28 Oct 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

124021

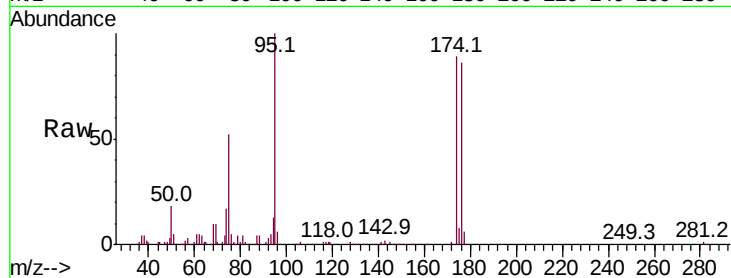
Tot Ion: 75 Resp: 111925

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#



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

