

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
 Data File : VD067491.D
 Acq On : 02 Nov 2020 15:04
 Operator : VA/SY
 Sample : L4541-01
 Misc : 4.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124031

Quant Time: Nov 03 00:29:15 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

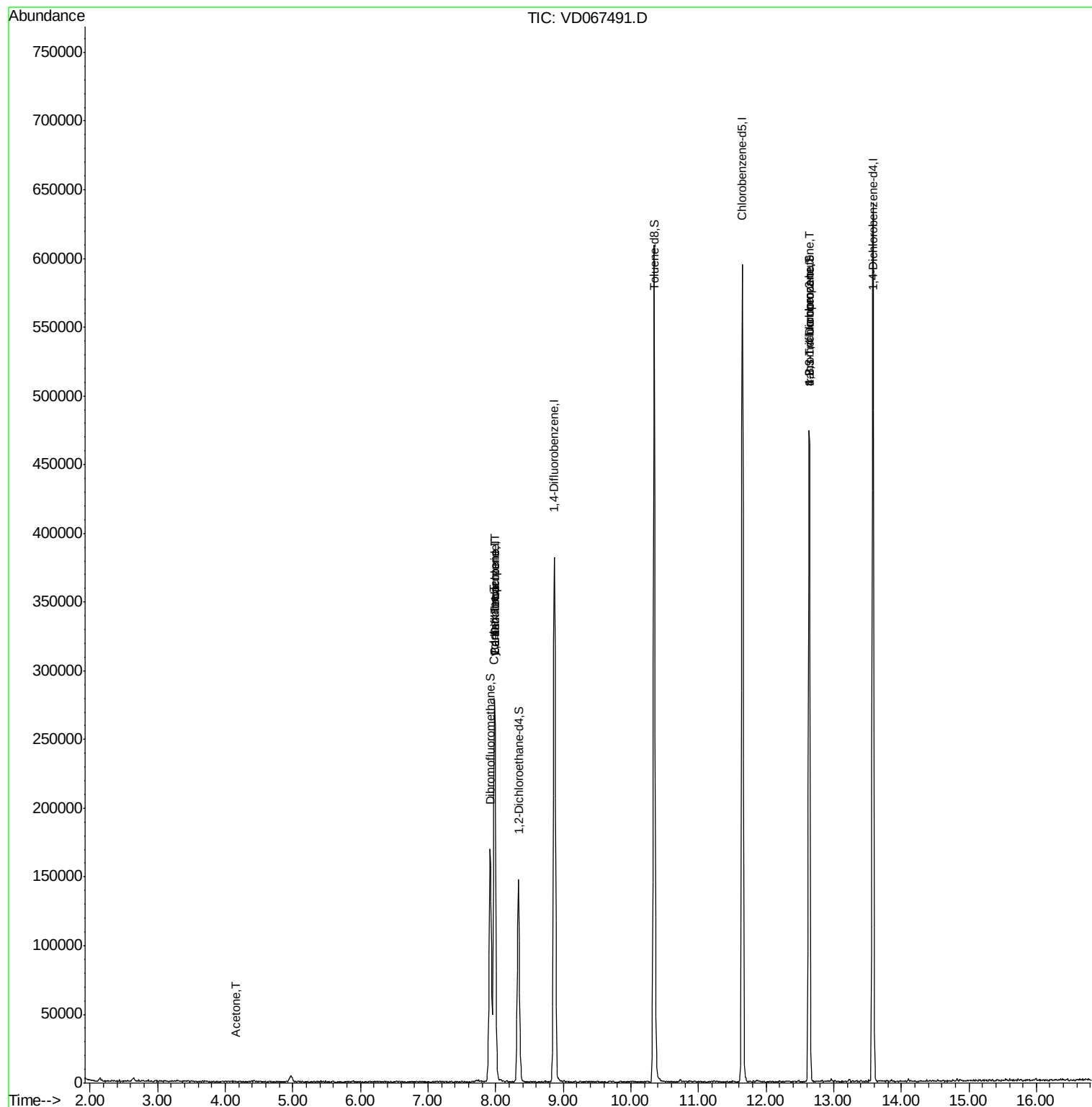
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	212097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	349749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	360000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177199	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	128460	60.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.90%	
35) Dibromofluoromethane	7.92	113	118629	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	10.34	98	419079	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.64	95	155827	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	283	Below Cal	#	44
5) Bromomethane	2.79	94	56	Below Cal	#	32
16) Acetone	4.16	43	307	1.032	ug/l #	42
20) Methylene Chloride	4.96	84	3689	Below Cal	#	90
31) Cyclohexane	7.97	56	4503	1.840	ug/l #	57
36) 1,1-Dichloropropene	7.98	75	14870	5.016	ug/l #	43
38) Carbon Tetrachloride	7.98	117	22158	5.848	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	79109	64.413	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	79109	146.069	ug/l #	10

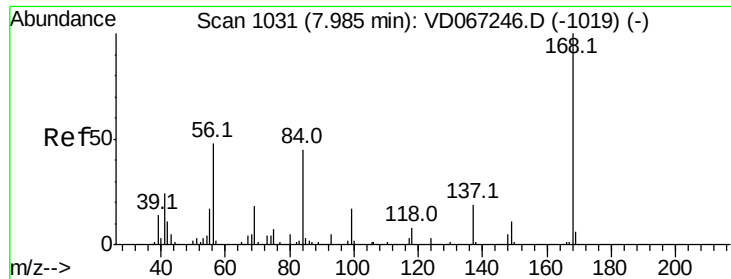
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.01 min

Lab File: VD067491.D

Acq: 02 Nov 2020 15:04

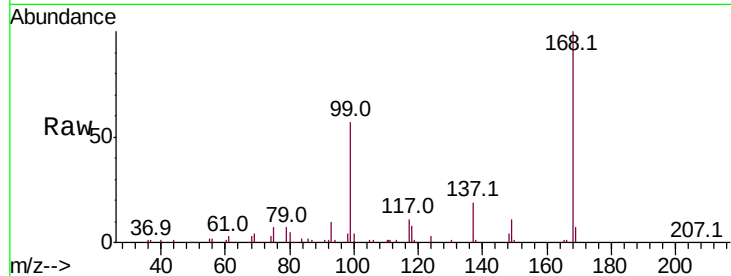
Instrument :
MSVOA_D
ClientSampleId :
124031

Tot Ion:168 Resp: 212097

Ion Ratio Lower Upper

168 100

99 56.9 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

100000

80000

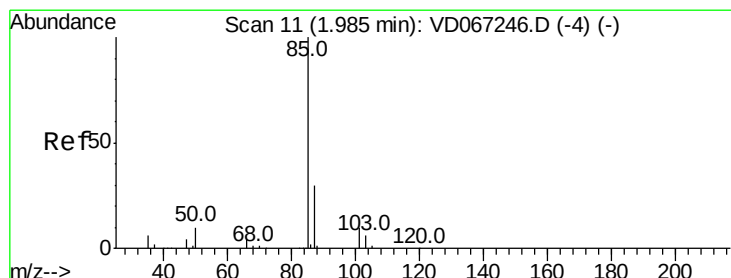
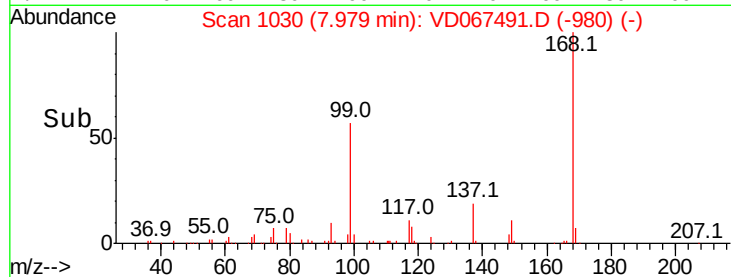
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067491.D

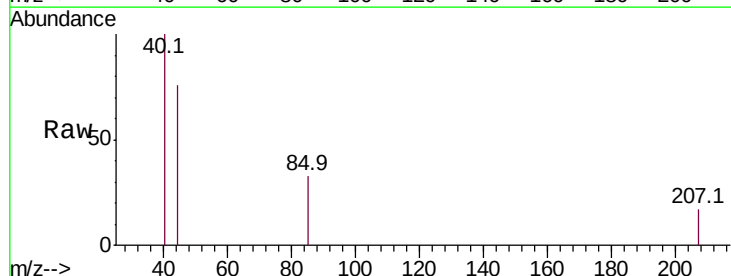
Acq: 02 Nov 2020 15:04

Tgt Ion: 85 Resp: 283

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

400

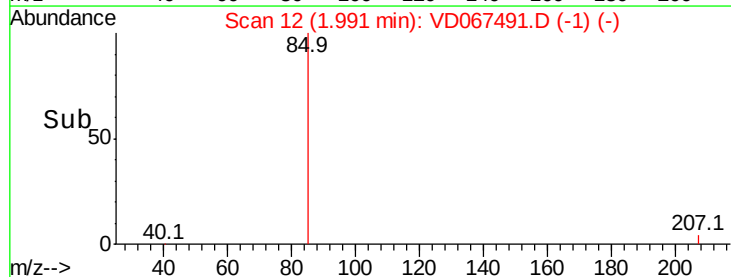
300

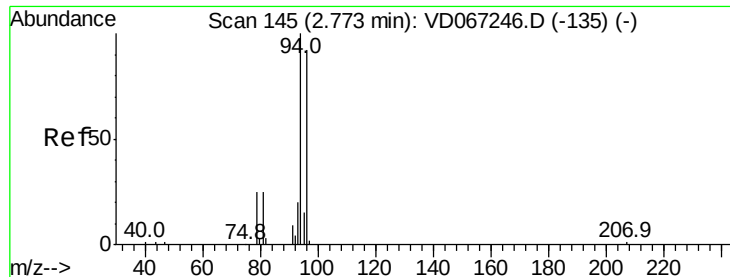
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067491.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

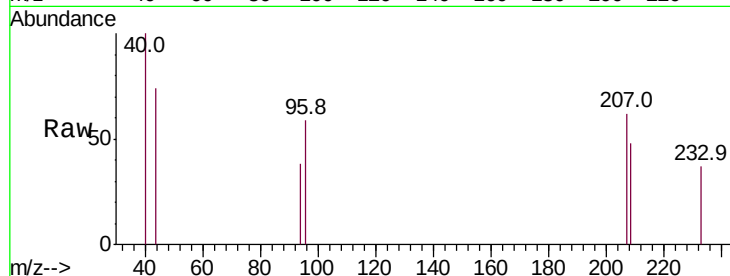
124031

Tot Ion: 94 Resp: 56

Ion Ratio Lower Upper

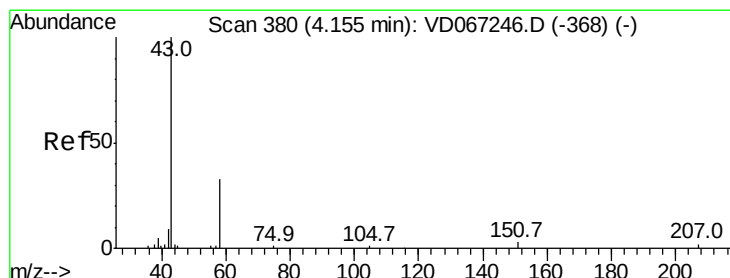
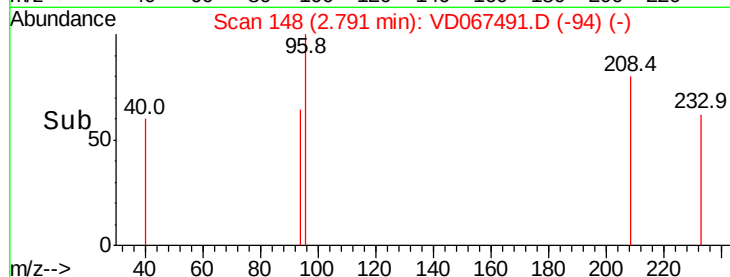
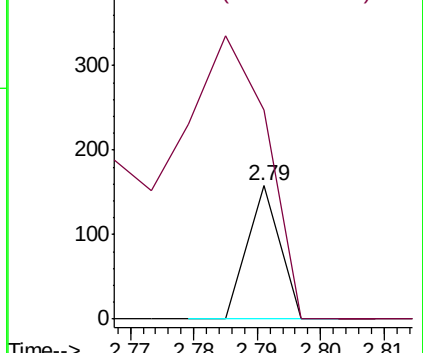
94 100

96 157.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 1.032 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067491.D

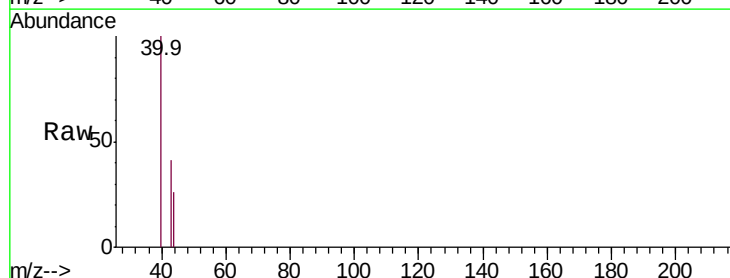
Acq: 02 Nov 2020 15:04

Tgt Ion: 43 Resp: 307

Ion Ratio Lower Upper

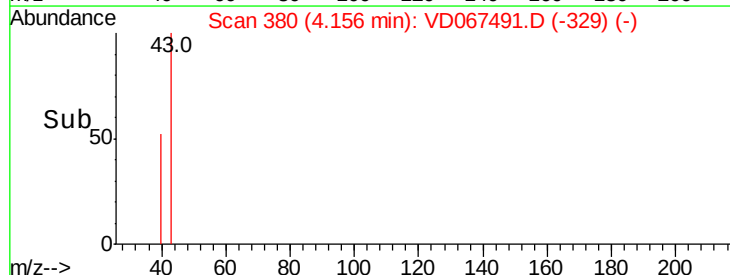
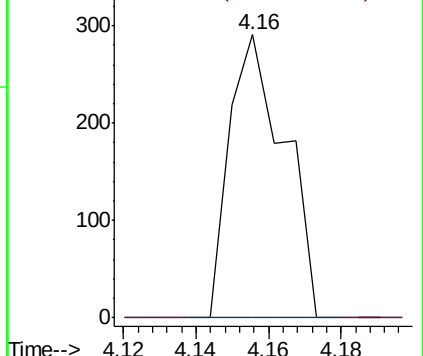
43 100

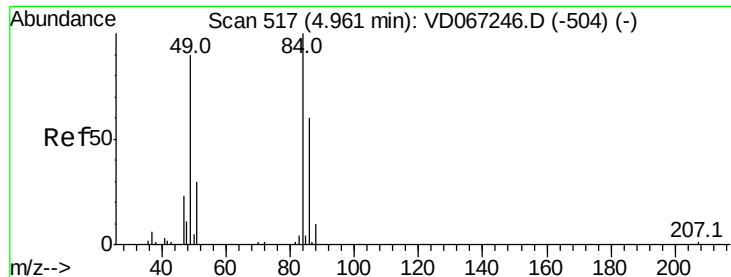
58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

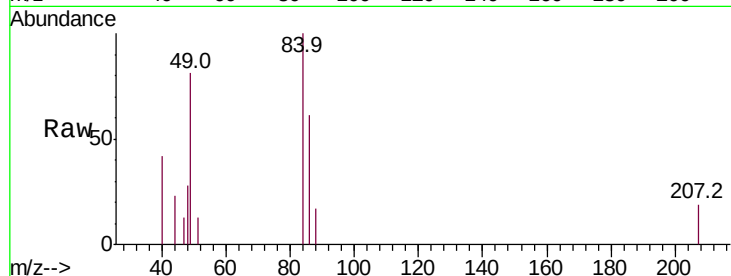




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067491.D
Acq: 02 Nov 2020 15:04

Instrument :
MSVOA_D
ClientSampleID :
124031

Tot Ion: 84 Resp: 3689
Ion Ratio Lower Upper
84 100
49 81.3 72.2 108.2
51 13.1 23.8 35.8#
86 61.0 48.2 72.4



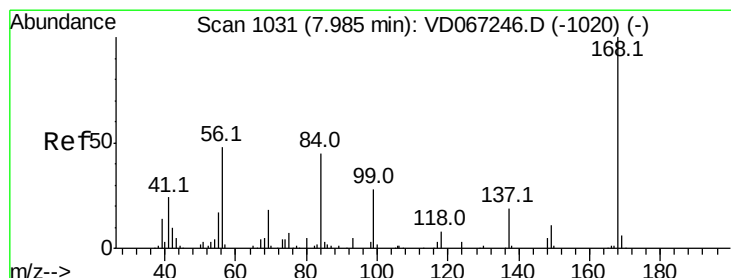
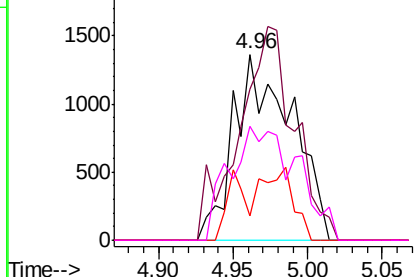
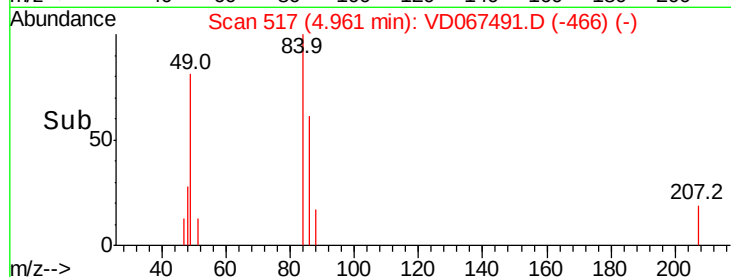
Abundance

Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

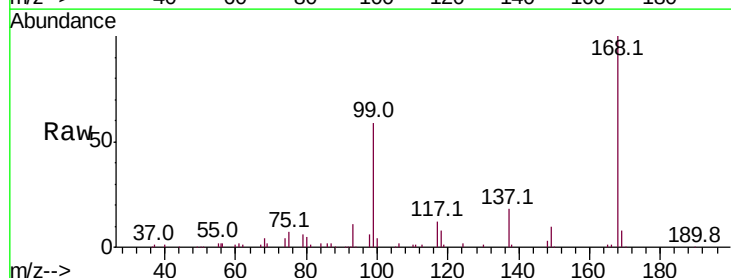
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#31
Cyclohexane
Concen: 1.840 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067491.D
Acq: 02 Nov 2020 15:04

Tgt Ion: 56 Resp: 4503
Ion Ratio Lower Upper
56 100
69 66.1 29.8 44.6#
84 56.0 76.6 114.8#

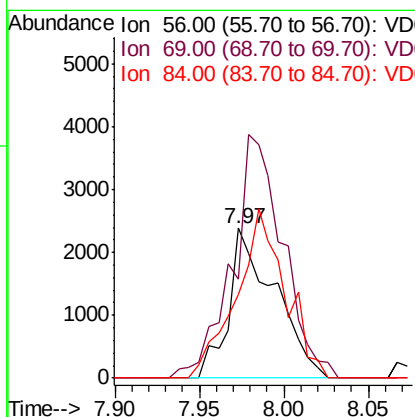
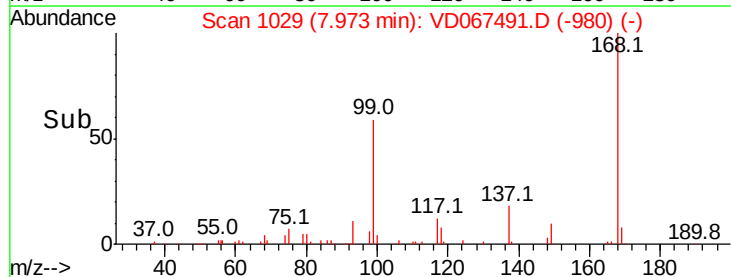


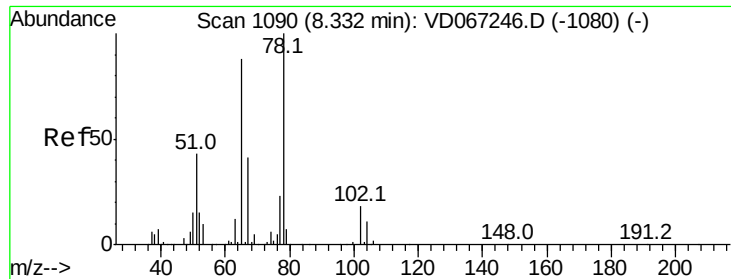
Abundance

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

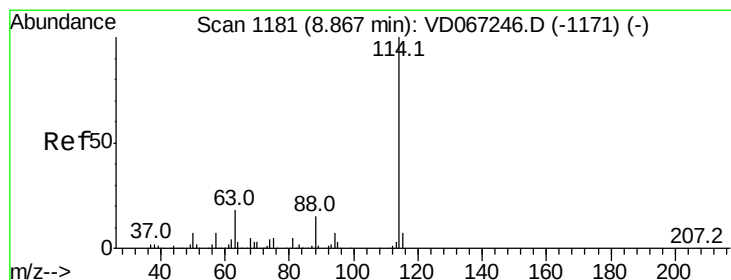
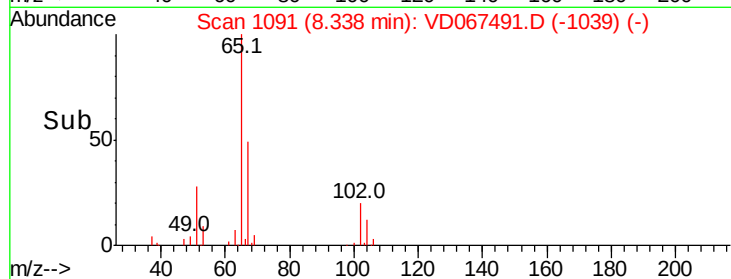
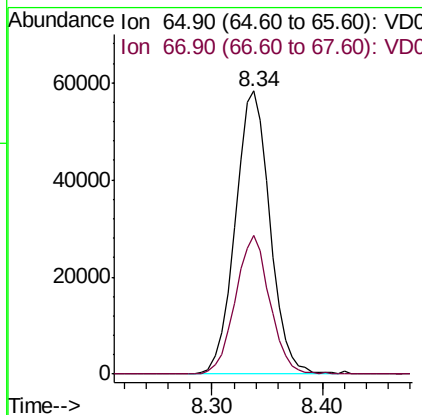
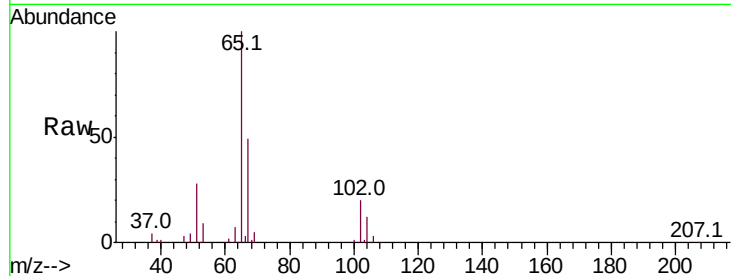




#33
 1,2-Dichloroethane-d4
 Concen: 60.455 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067491.D
 Acq: 02 Nov 2020 15:04

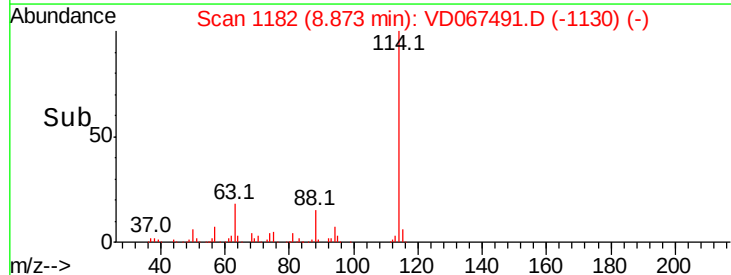
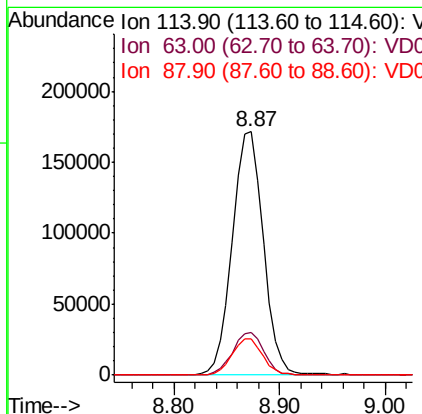
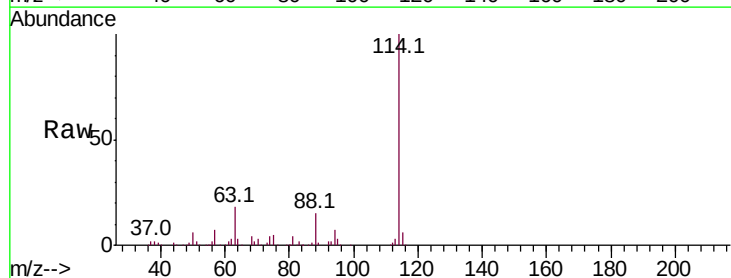
Instrument :
 MSVOA_D
 ClientSampleId :
 124031

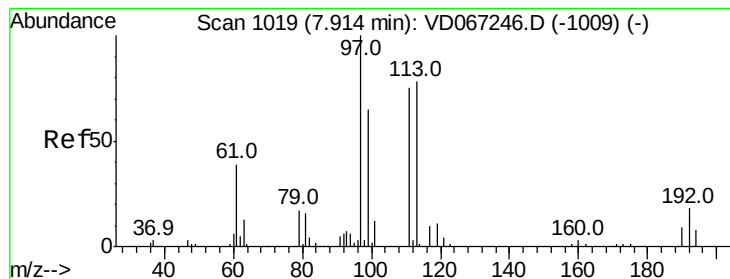
Tot Ion: 65 Resp: 128460
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD067491.D
 Acq: 02 Nov 2020 15:04

Tgt Ion: 114 Resp: 349749
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.0
 88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.967 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067491.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

124031

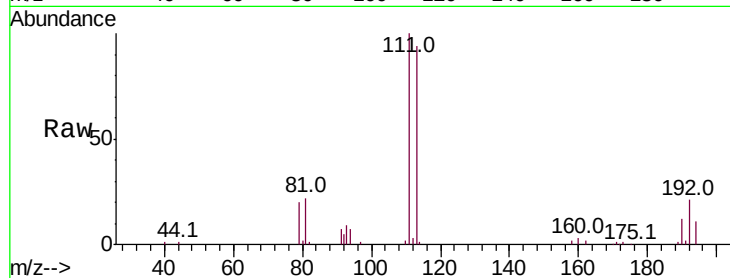
Tot Ion:113 Resp: 118629

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

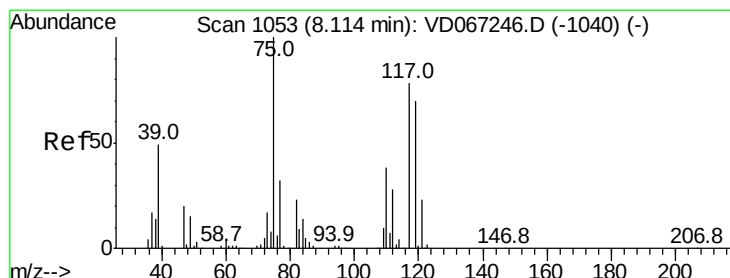
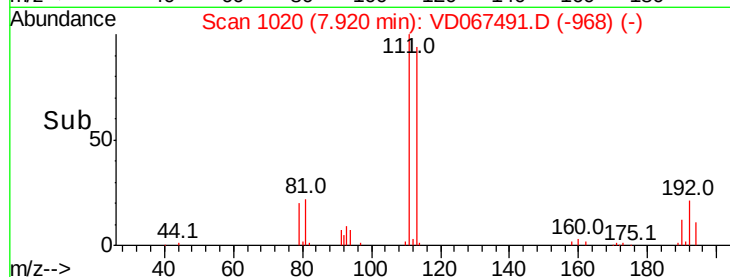
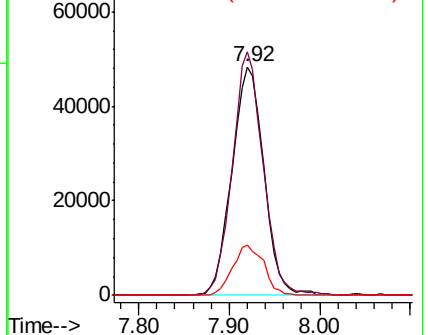
192 21.3 17.0 25.4



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: 5.016 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067491.D

Acq: 02 Nov 2020 15:04

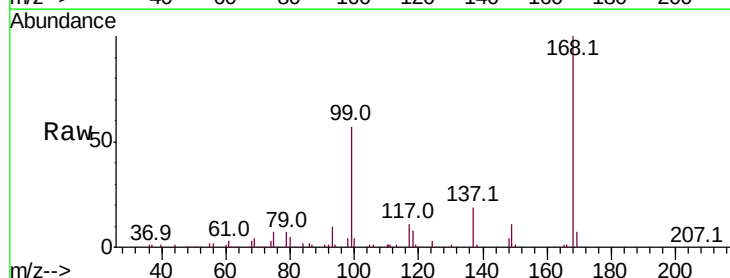
Tgt Ion: 75 Resp: 14870

Ion Ratio Lower Upper

75 100

110 3.4 19.6 58.7#

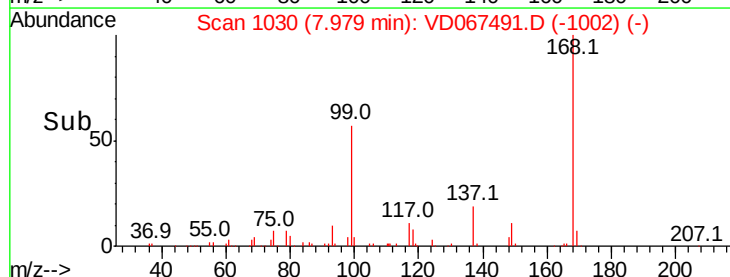
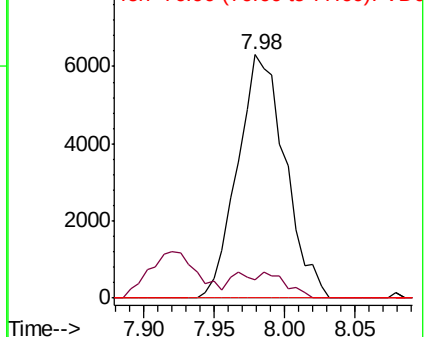
77 0.0 24.6 37.0#

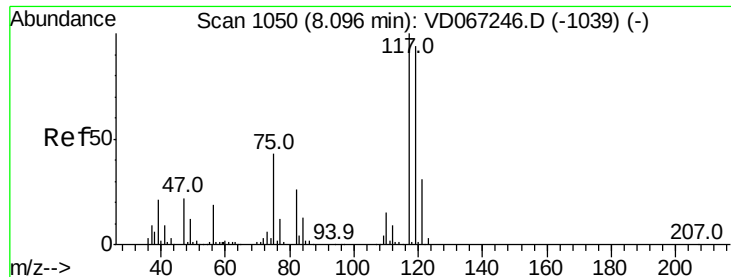


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.848 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067491.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

124031

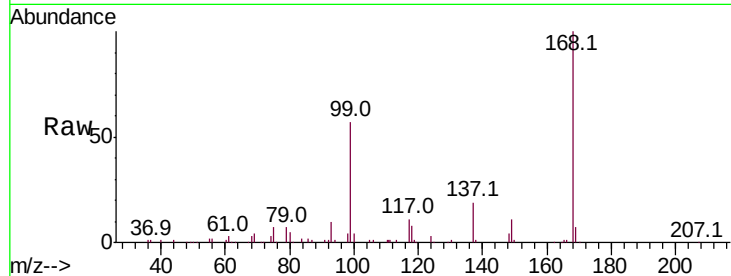
Tot Ion:117 Resp: 22158

Ion Ratio Lower Upper

117 100

119 8.4 75.0 112.4#

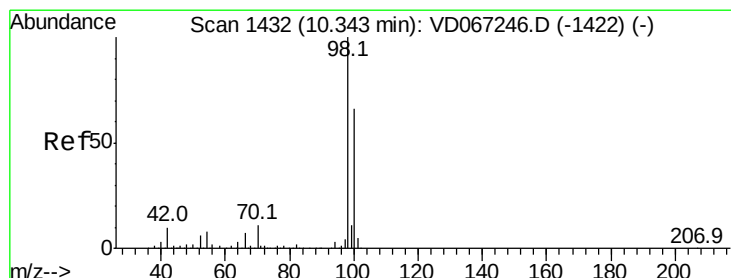
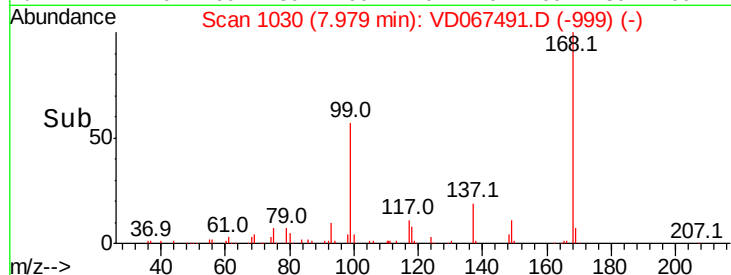
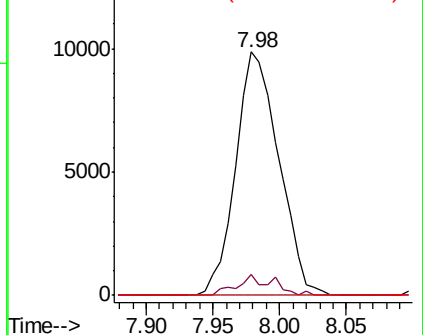
121 0.0 24.9 37.3#



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: 49.752 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067491.D

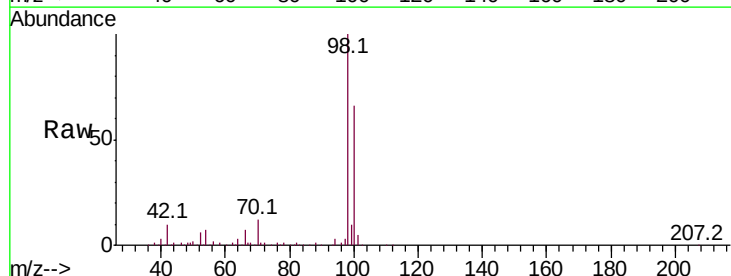
Acq: 02 Nov 2020 15:04

Tgt Ion: 98 Resp: 419079

Ion Ratio Lower Upper

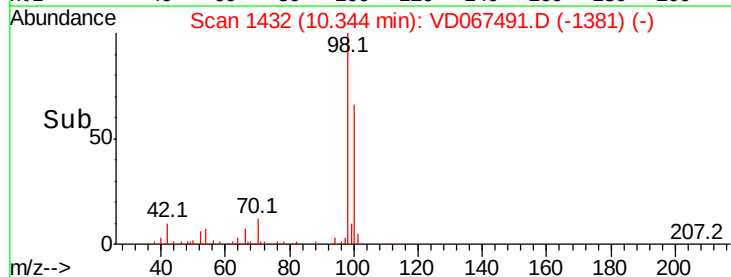
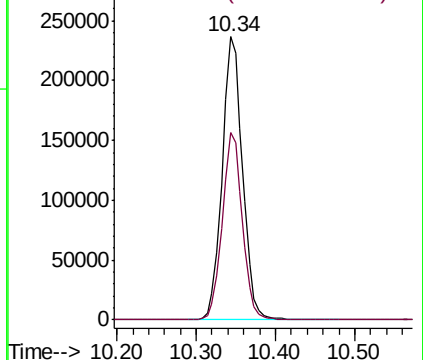
98 100

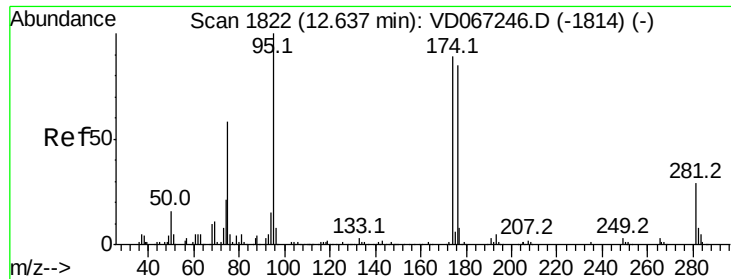
100 65.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

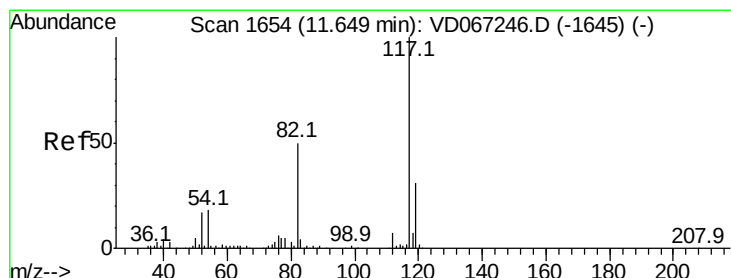
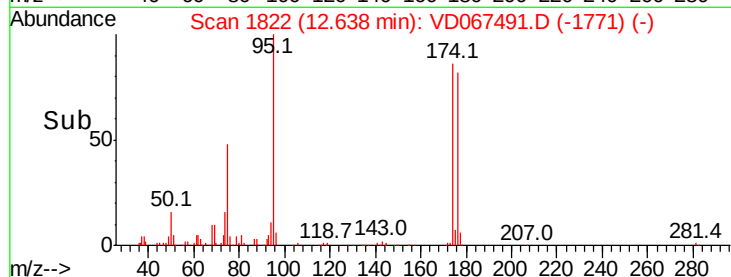
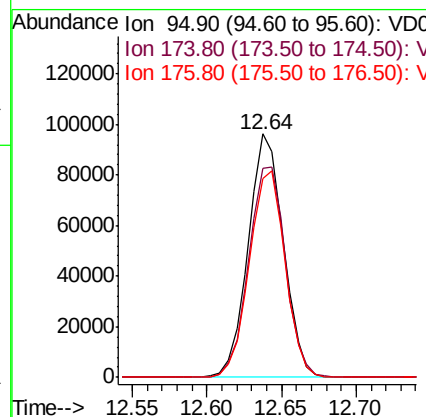
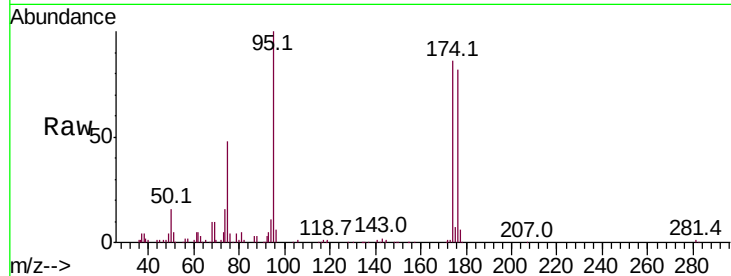




#62
4-Bromofluorobenzene
Concen: 53.202 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067491.D
Acq: 02 Nov 2020 15:04

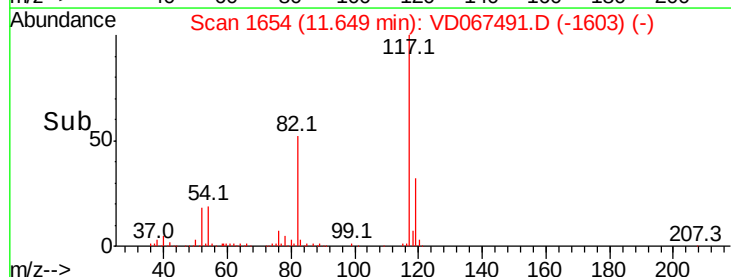
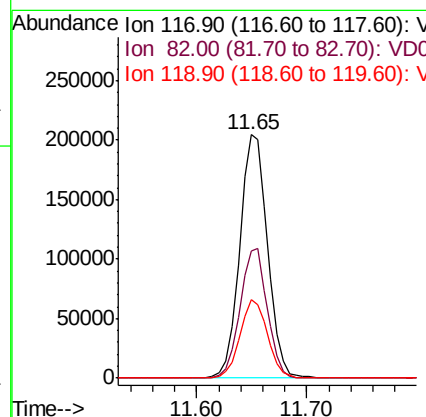
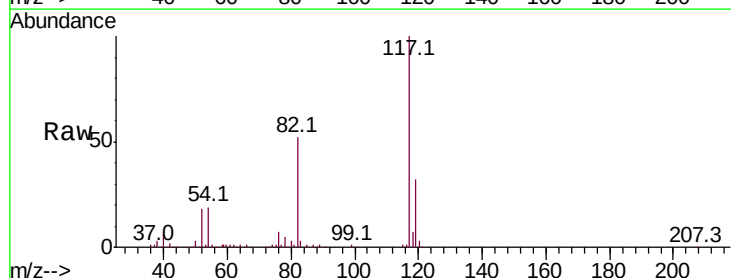
Instrument :
MSVOA_D
ClientSampleId :
124031

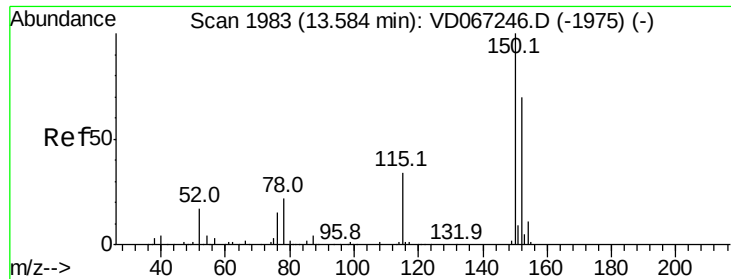
Tot Ion: 95 Resp: 155827
Ion Ratio Lower Upper
95 100
174 90.7 0.0 175.2
176 86.9 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067491.D
Acq: 02 Nov 2020 15:04

Tgt Ion: 117 Resp: 360000
Ion Ratio Lower Upper
117 100
82 52.3 39.9 59.9
119 32.4 24.9 37.3



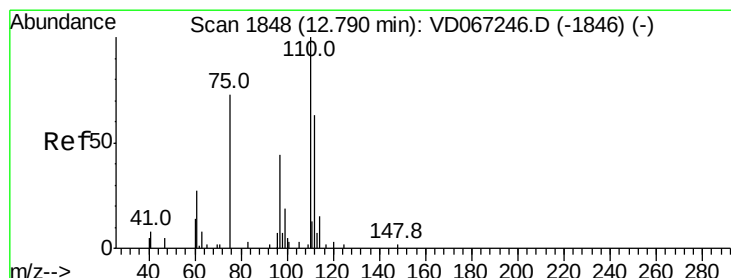
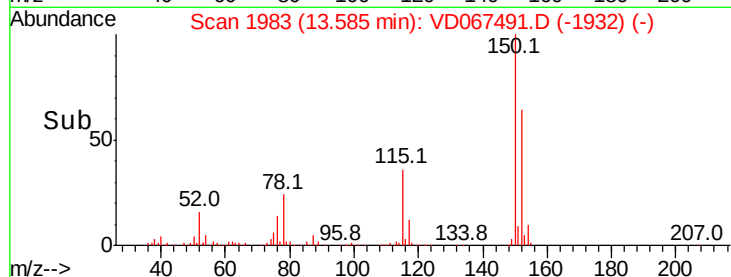
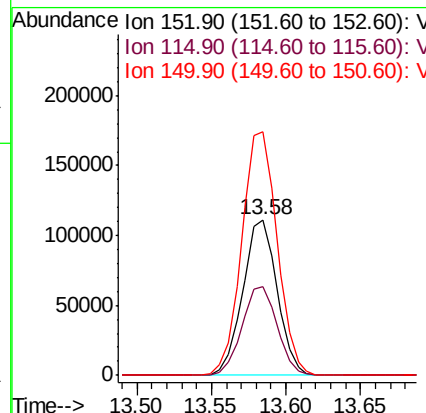
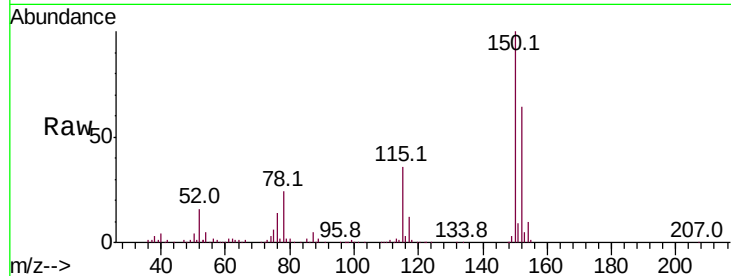


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067491.D
Acq: 02 Nov 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
124031

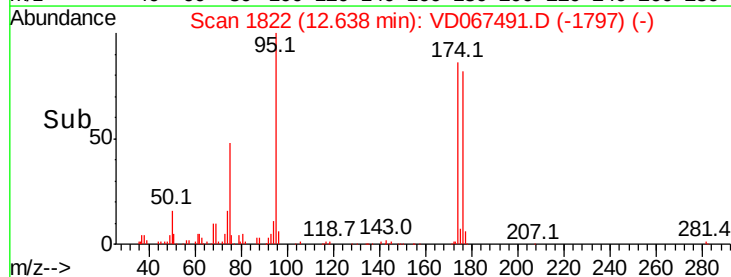
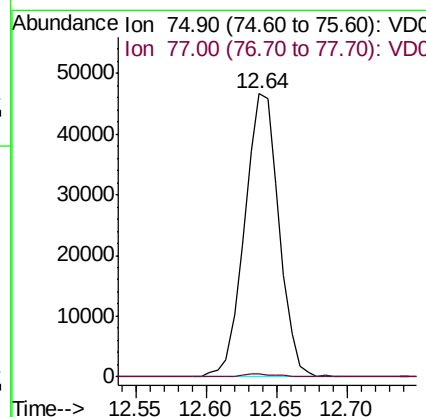
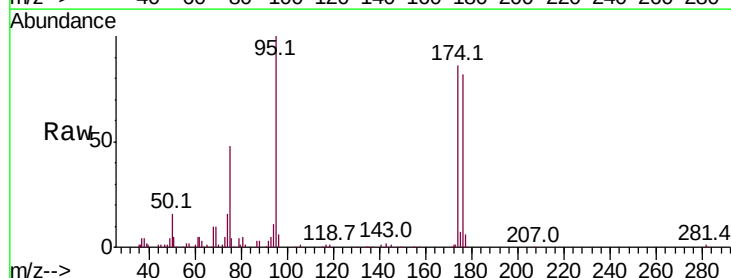
Tot Ion:152 Resp: 177199
Ion Ratio Lower Upper
152 100
115 58.6 29.3 87.9
150 161.4 0.0 339.0

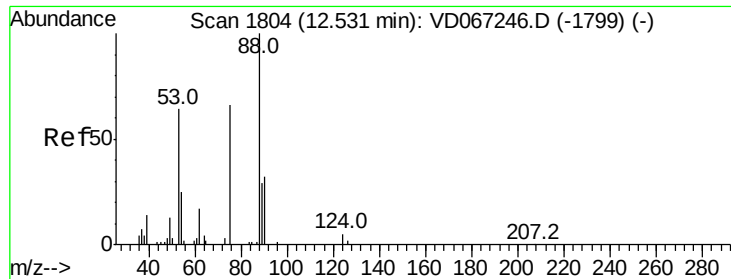


#76

1,2,3-Trichloropropane
Concen: 64.413 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067491.D
Acq: 02 Nov 2020 15:04

Tgt Ion: 75 Resp: 79109
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 146.069 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067491.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

124031

Tot Ion: 75 Resp: 79109

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#

