

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067389.D
 Acq On : 26 Oct 2020 13:44
 Operator : VA/SY
 Sample : L4512-02
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Oct 27 00:52:01 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	320887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	515054	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	492582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240615	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	154438	48.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.08%	
35) Dibromofluoromethane	7.92	113	163798	47.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.58%	
50) Toluene-d8	10.34	98	603330	48.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.64	95	208783	48.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.80%	

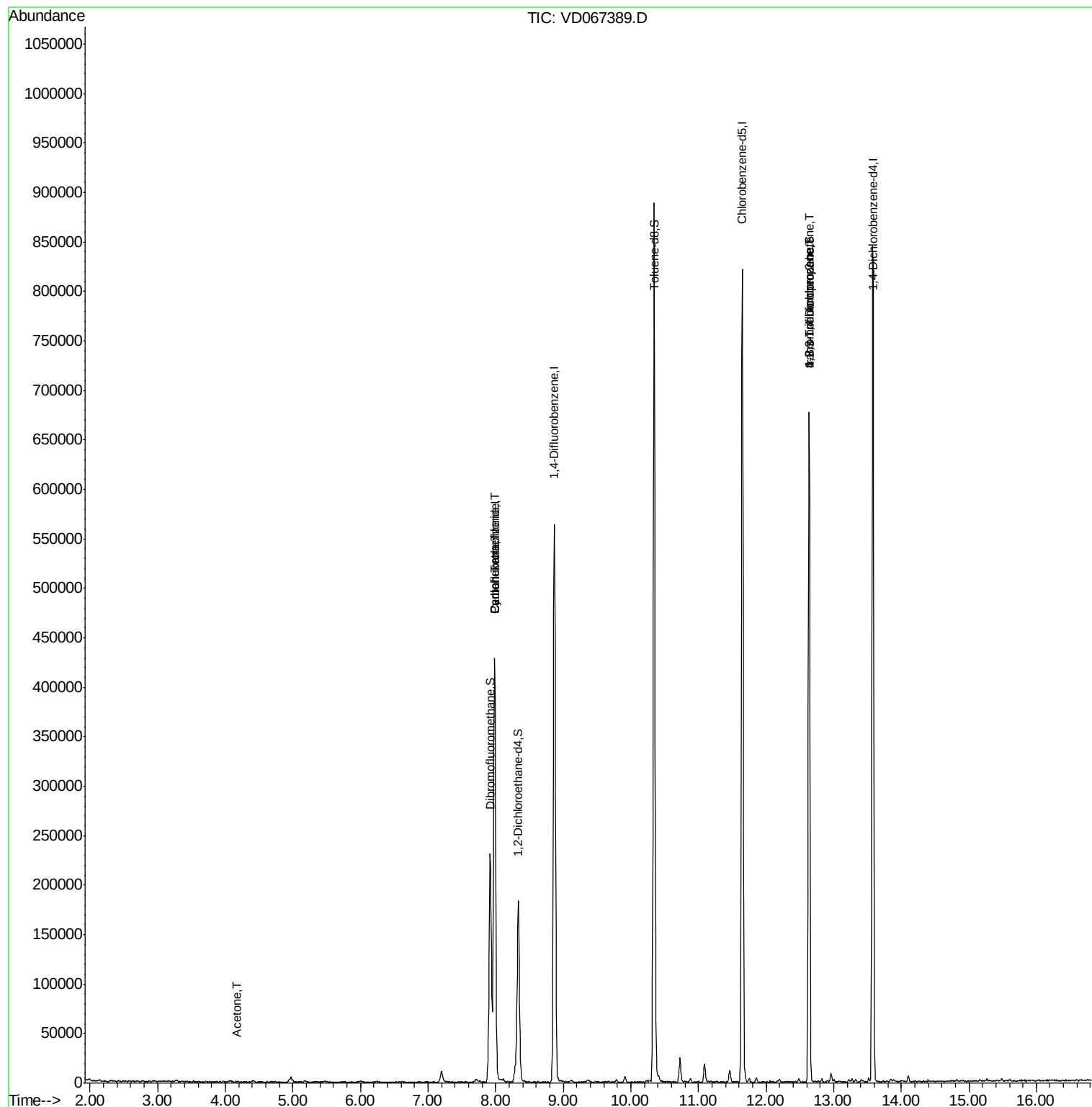
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1125	Below Cal		100
5) Bromomethane	2.77	94	532	Below Cal	#	69
11) Tert butyl alcohol	5.23	59	90	Below Cal	#	81
16) Acetone	4.16	43	988	2.194	ug/l #	42
20) Methylene Chloride	4.96	84	4023	Below Cal	#	89
31) Cyclohexane	7.99	56	6236	1.684	ug/l #	38
38) Carbon Tetrachloride	7.98	117	32896	5.896	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	106410	63.807	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	106410	144.695	ug/l #	10

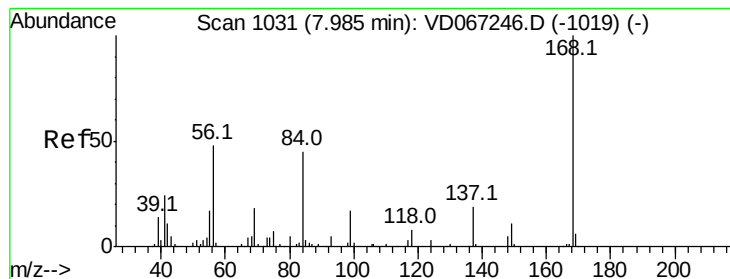
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067389.D

Acq: 26 Oct 2020 13:44

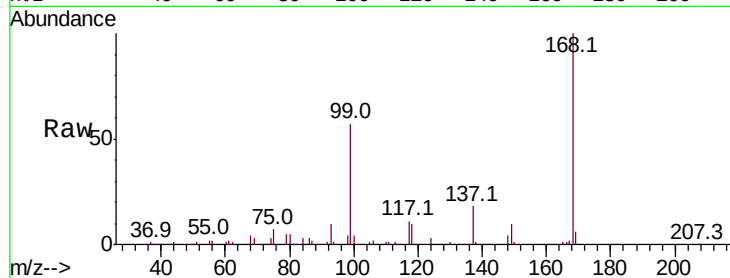
Instrument :
MSVOA_D
ClientSampleId :
VOC

Tot Ion:168 Resp: 320887

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

150000

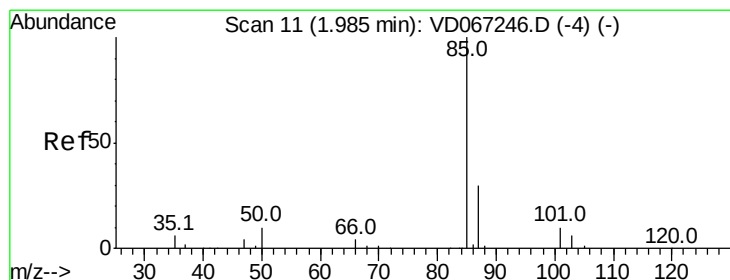
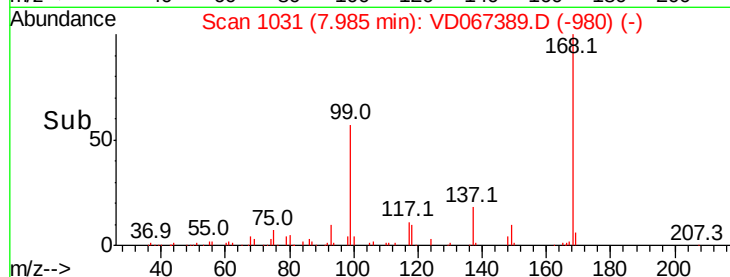
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067389.D

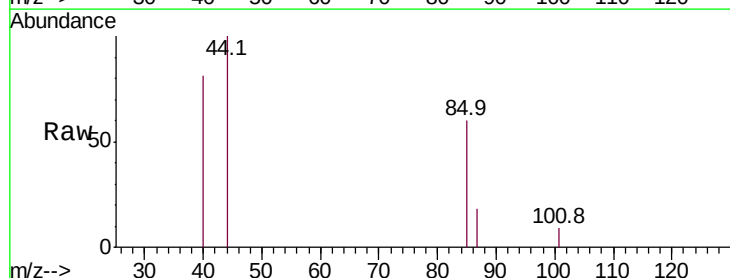
Acq: 26 Oct 2020 13:44

Tgt Ion: 85 Resp: 1125

Ion Ratio Lower Upper

85 100

87 30.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1000

800

600

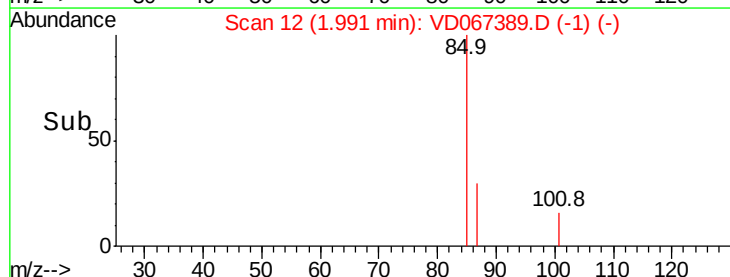
400

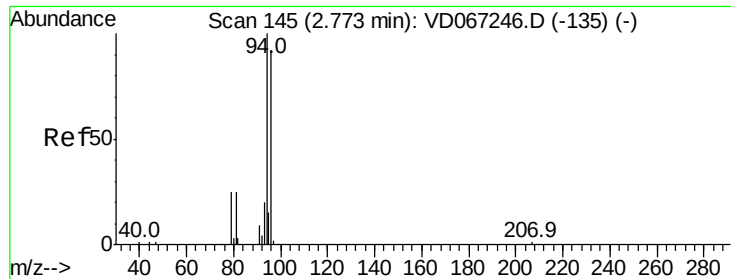
200

0

1.95 2.00

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067389.D

Acq: 26 Oct 2020 13:44

Instrument :

MSVOA_D

ClientSampled :

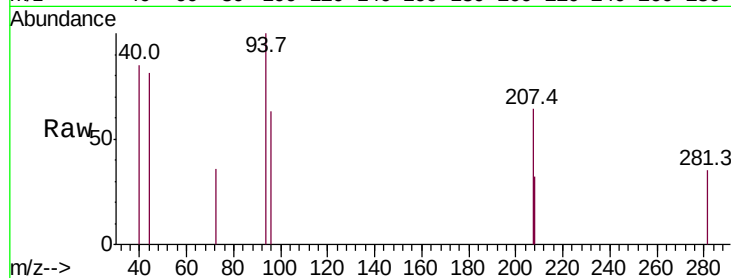
VOC

Tot Ion: 94 Resp: 532

Ion Ratio Lower Upper

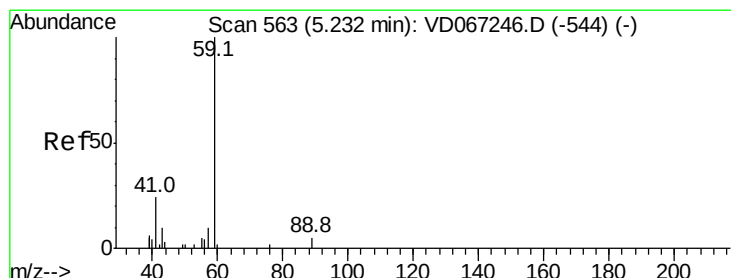
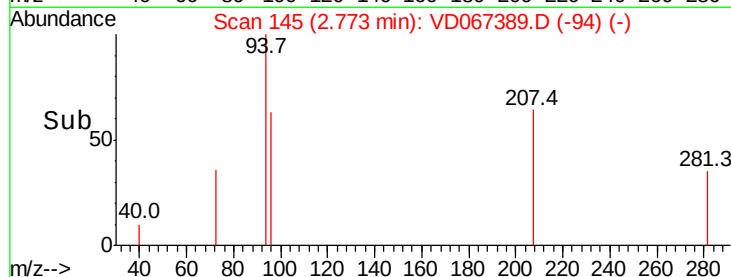
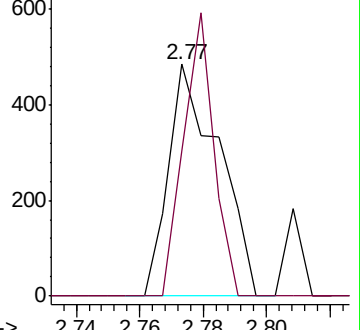
94 100

96 62.8 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD067389.D

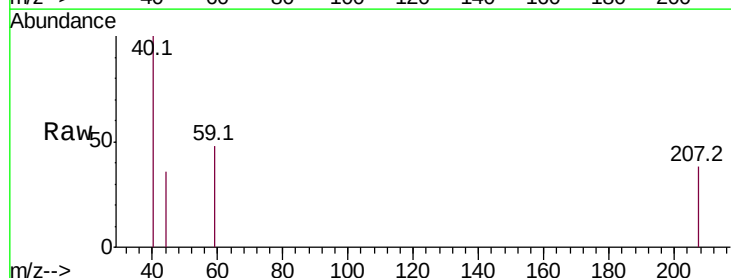
Acq: 26 Oct 2020 13:44

Tgt Ion: 59 Resp: 90

Ion Ratio Lower Upper

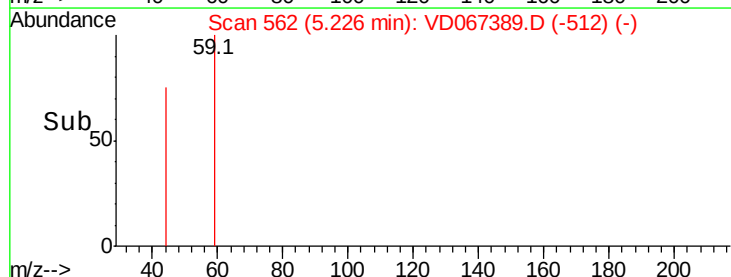
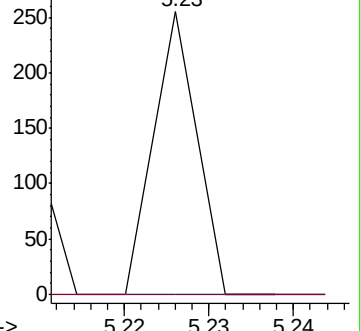
59 100

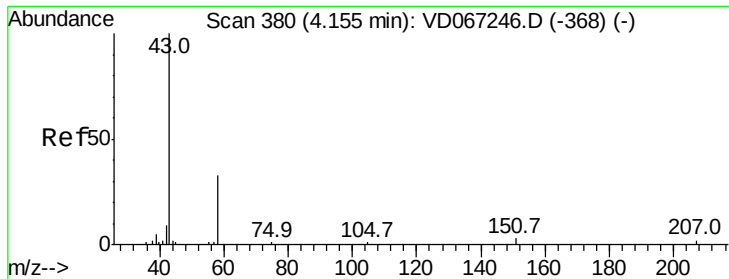
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

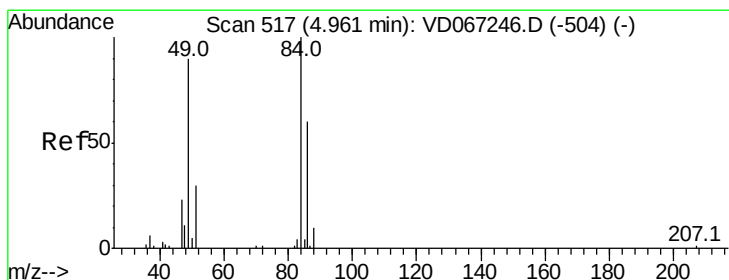
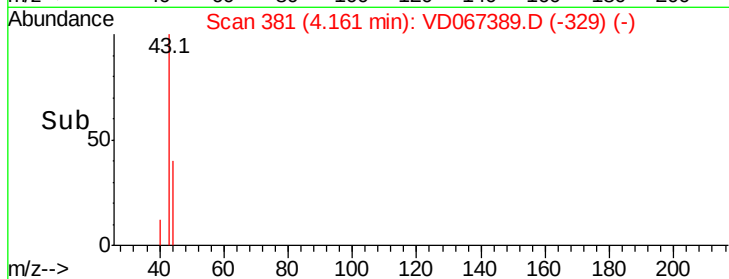
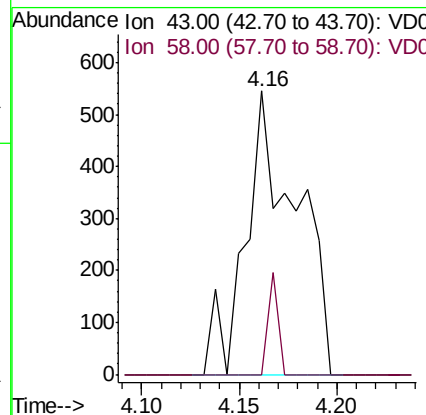
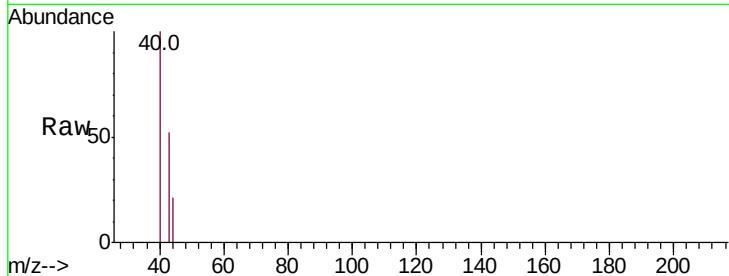




#16
Acetone
Concen: 2.194 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD067389.D
Acq: 26 Oct 2020 13:44

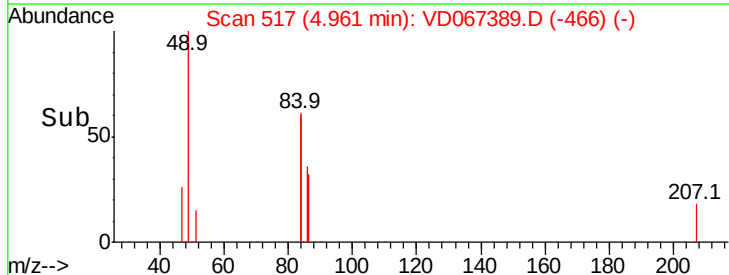
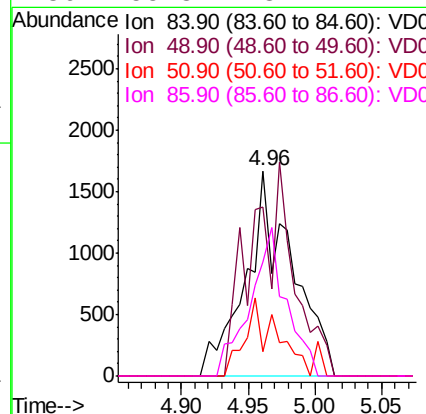
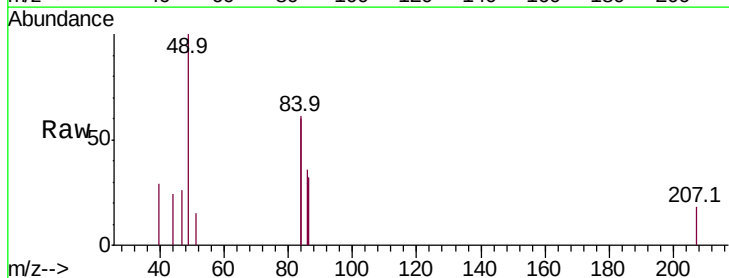
Instrument :
MSVOA_D
ClientSampleId :
VOC

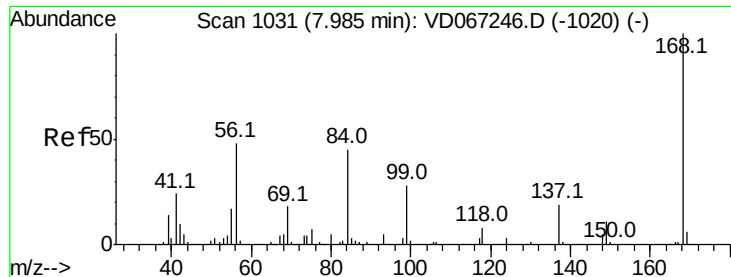
Tot Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
58 0.0 26.1 39.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067389.D
Acq: 26 Oct 2020 13:44

Tgt Ion: 84 Resp: 4023
Ion Ratio Lower Upper
84 100
49 82.6 72.2 108.2
51 12.1 23.8 35.8#
86 55.8 48.2 72.4

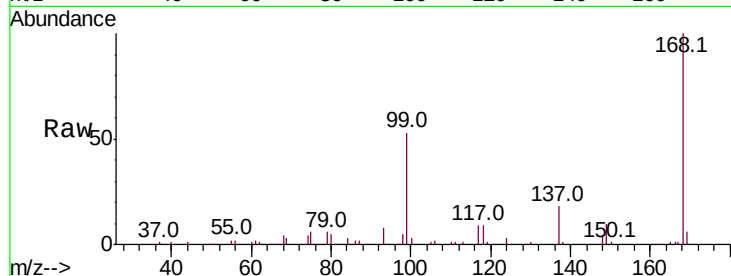




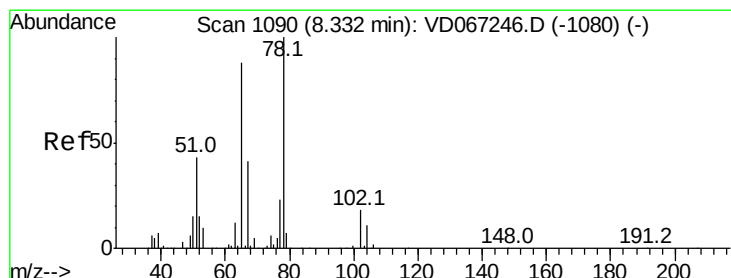
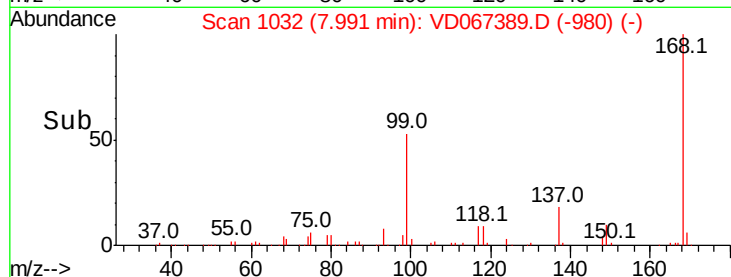
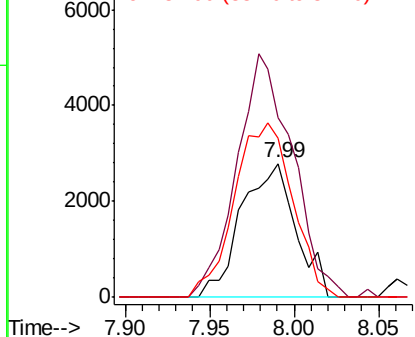
#31
Cyclohexane
Concen: 1.684 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067389.D
Acq: 26 Oct 2020 13:44

Instrument :
MSVOA_D
ClientSampled :
VOC

Tot Ion: 56 Resp: 6236
Ion Ratio Lower Upper
56 100
69 134.2 29.8 44.6#
84 118.4 76.6 114.8#

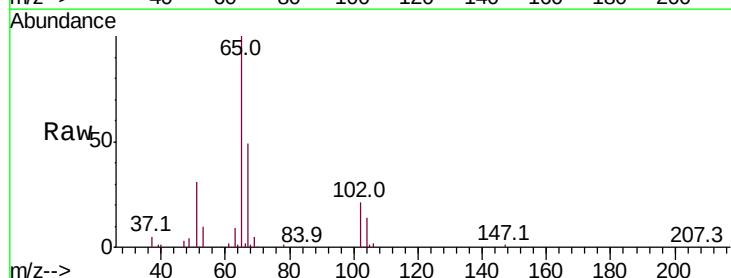


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

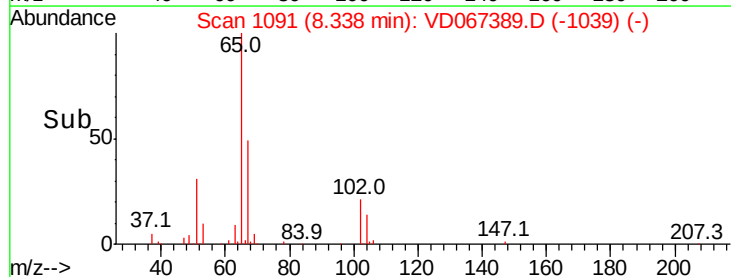
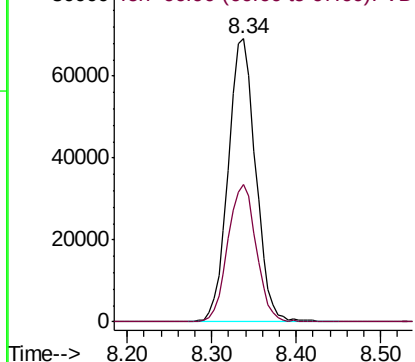


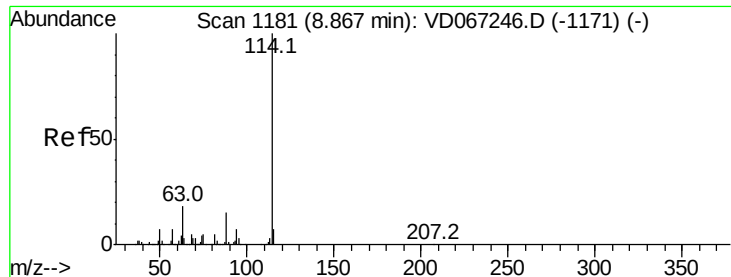
#33
1,2-Dichloroethane-d4
Concen: 48.040 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067389.D
Acq: 26 Oct 2020 13:44

Tgt Ion: 65 Resp: 154438
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

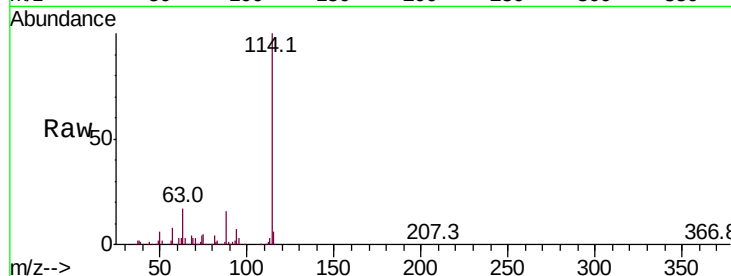




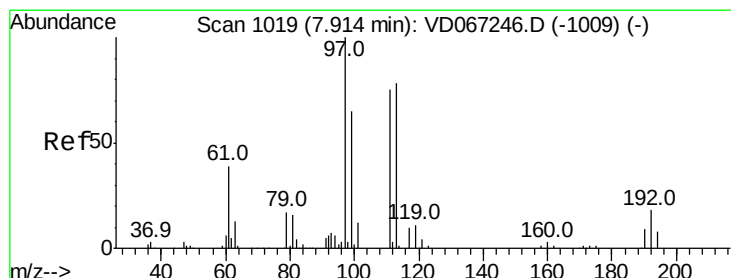
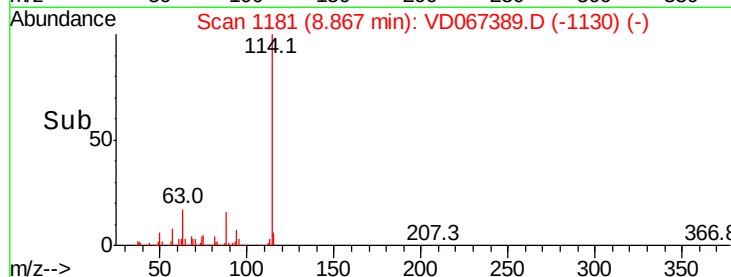
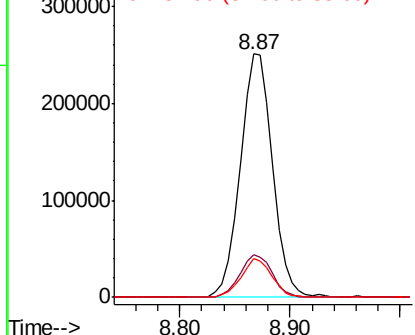
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067389.D
 Acq: 26 Oct 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Tot Ion:114 Resp: 515054
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.0
 88 15.7 0.0 30.6

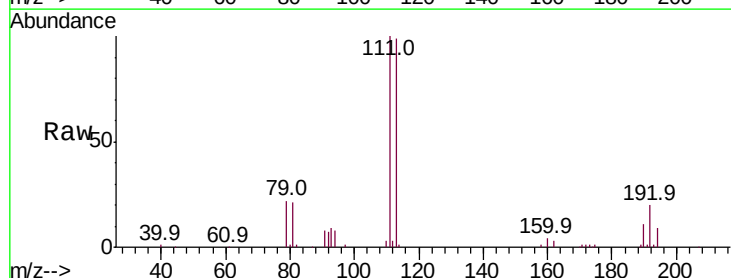


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

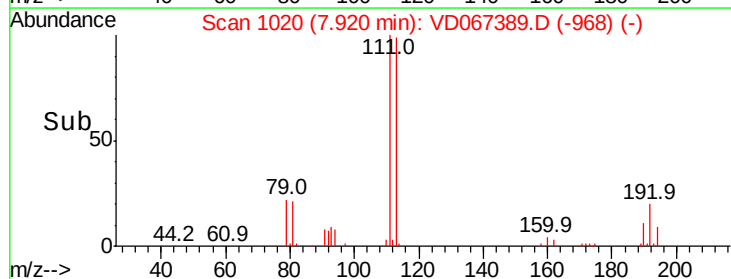
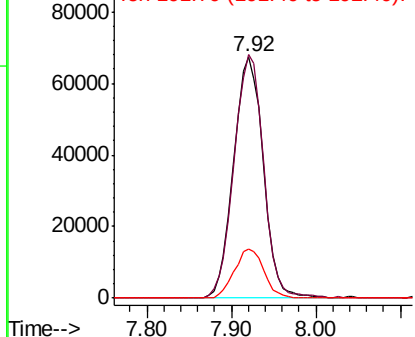


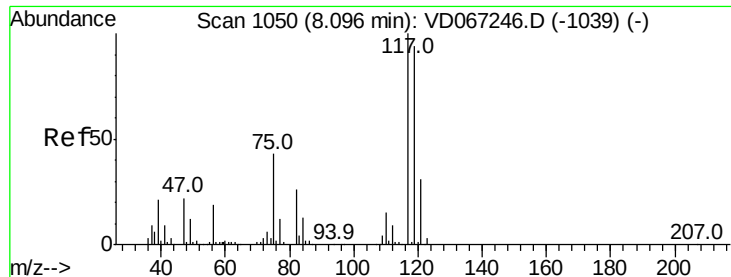
#35
 Dibromofluoromethane
 Concen: 47.787 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067389.D
 Acq: 26 Oct 2020 13:44

Tgt Ion:113 Resp: 163798
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.6 122.4
 192 20.1 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





#38

Carbon Tetrachloride

Concen: 5.896 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067389.D

Acq: 26 Oct 2020 13:44

Instrument :

MSVOA_D

ClientSampled :

VOC

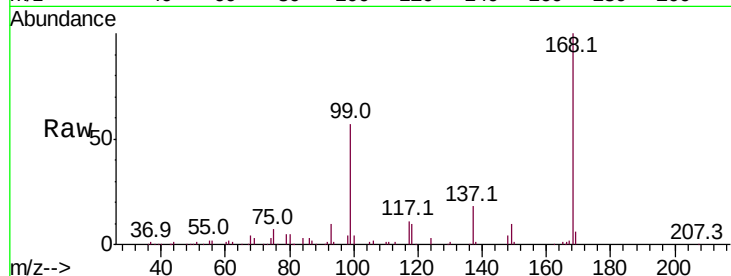
Tot Ion:117 Resp: 32896

Ion Ratio Lower Upper

117 100

119 3.5 75.0 112.4#

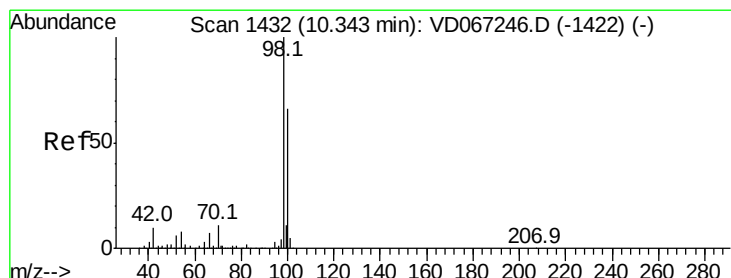
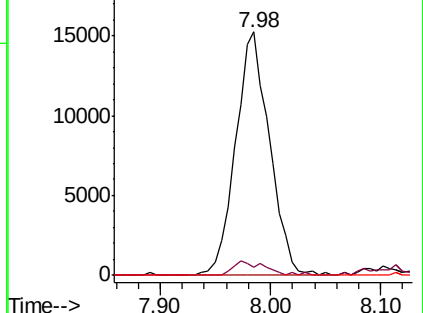
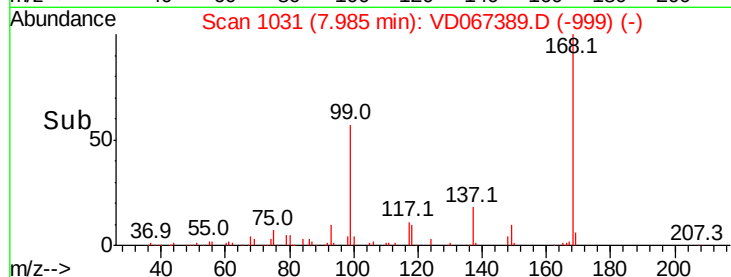
121 0.0 24.9 37.3#



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: 48.638 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067389.D

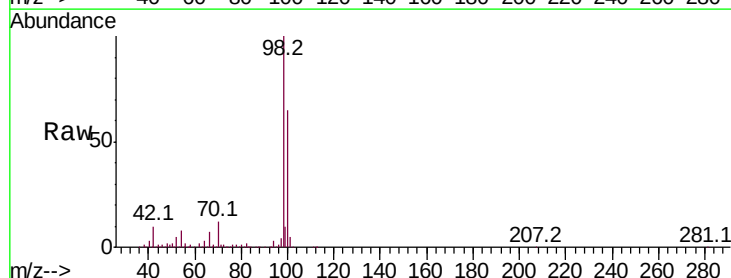
Acq: 26 Oct 2020 13:44

Tgt Ion: 98 Resp: 603330

Ion Ratio Lower Upper

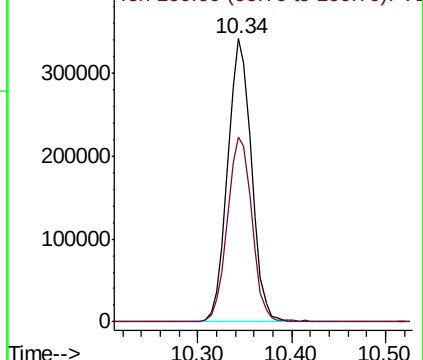
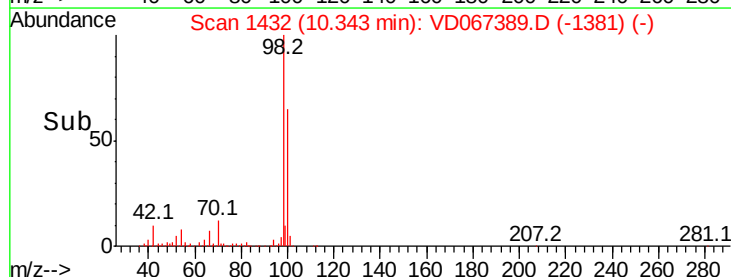
98 100

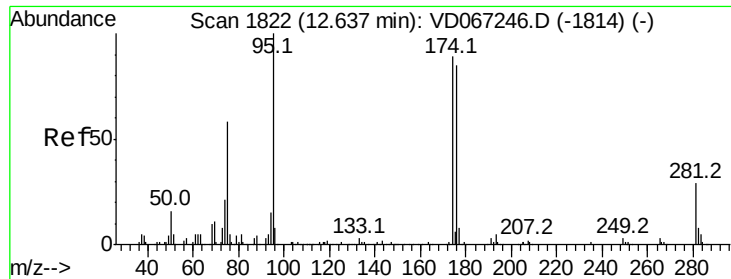
100 66.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

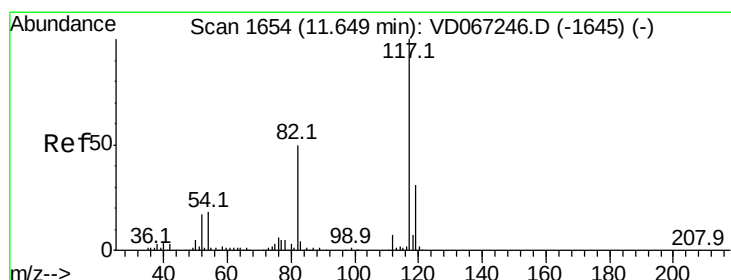
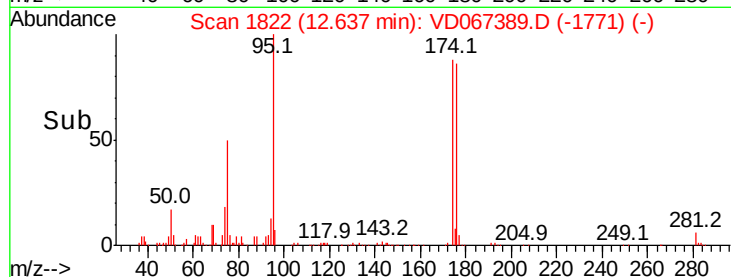
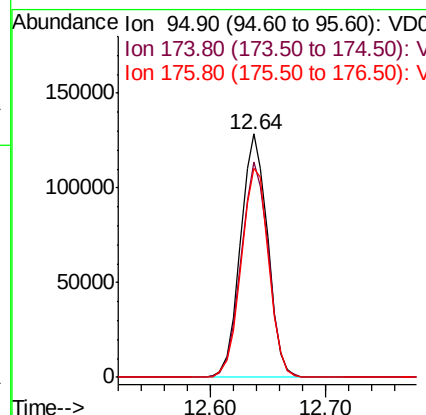
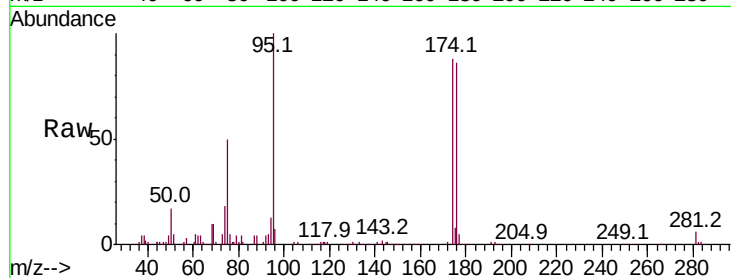




#62
4-Bromofluorobenzene
Concen: 48.404 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067389.D
Acq: 26 Oct 2020 13:44

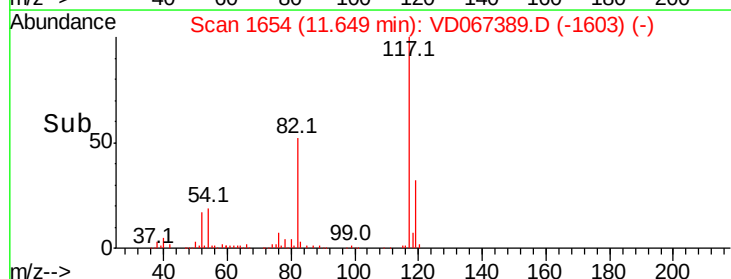
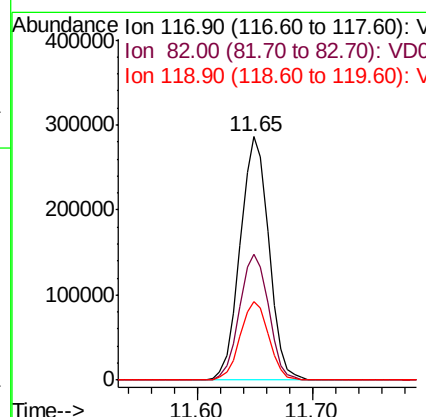
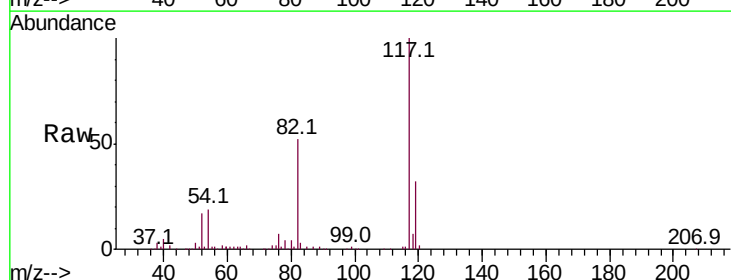
Instrument :
MSVOA_D
ClientSampleId :
VOC

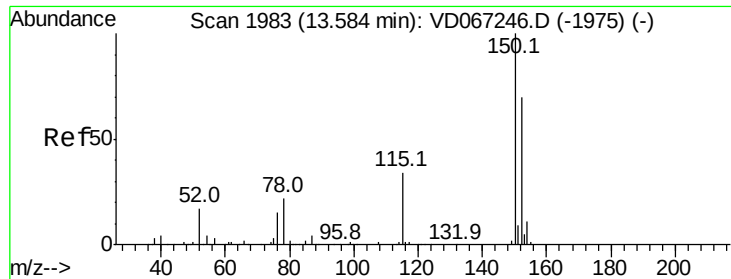
Tot Ion: 95 Resp: 208783
Ion Ratio Lower Upper
95 100
174 89.4 0.0 175.2
176 86.8 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067389.D
Acq: 26 Oct 2020 13:44

Tgt Ion: 117 Resp: 492582
Ion Ratio Lower Upper
117 100
82 51.5 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# 1983

Delta R.T. 0.00 min

Lab File: VD067389.D

Acq: 26 Oct 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VOC

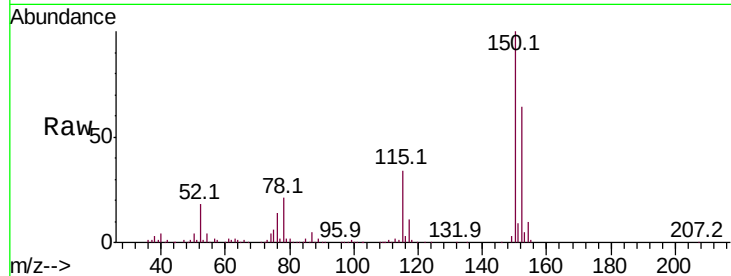
Tot Ion:152 Resp: 240615

Ion Ratio Lower Upper

152 100

115 57.2 29.3 87.9

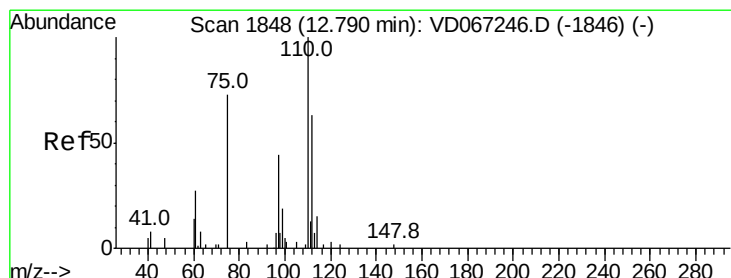
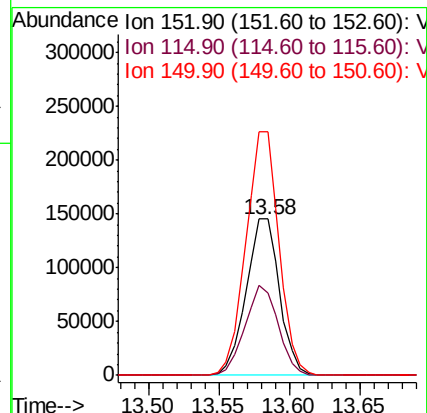
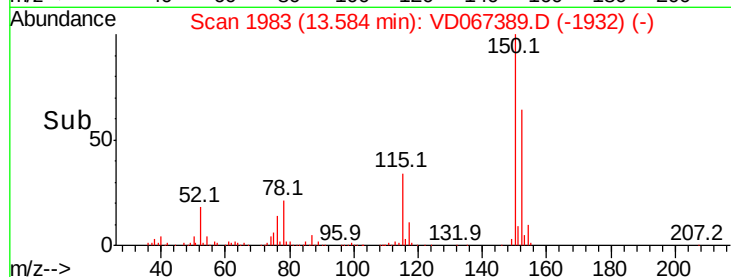
150 154.9 0.0 339.0



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: 63.807 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067389.D

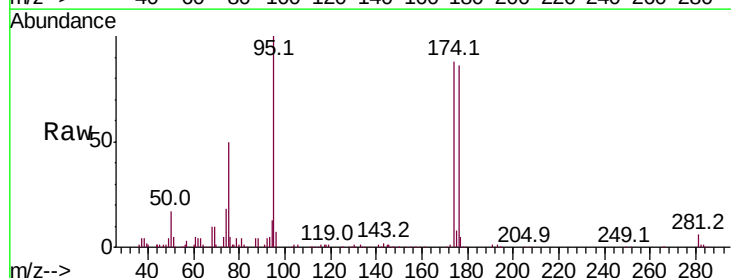
Acq: 26 Oct 2020 13:44

Tgt Ion: 75 Resp: 106410

Ion Ratio Lower Upper

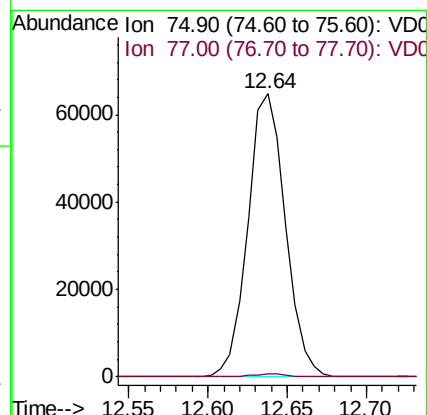
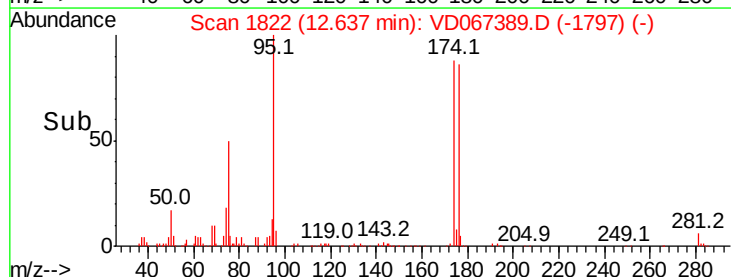
75 100

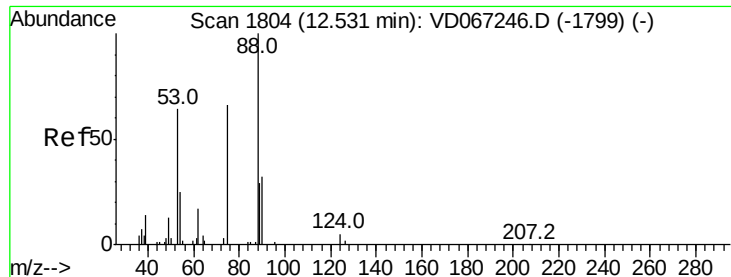
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 144.695 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067389.D

Acq: 26 Oct 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VOC

Tot Ion: 75 Resp: 106410

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 39.9 59.9#

