

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067408.D
 Acq On : 27 Oct 2020 13:39
 Operator : VA/SY
 Sample : L4523-02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-38

Quant Time: Oct 28 00:45:12 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	303949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	506996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	499192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240926	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	152786	50.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.34%	
35) Dibromofluoromethane	7.92	113	161421	47.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.68%	
50) Toluene-d8	10.34	98	608307	49.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.64	95	208717	49.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.32%	

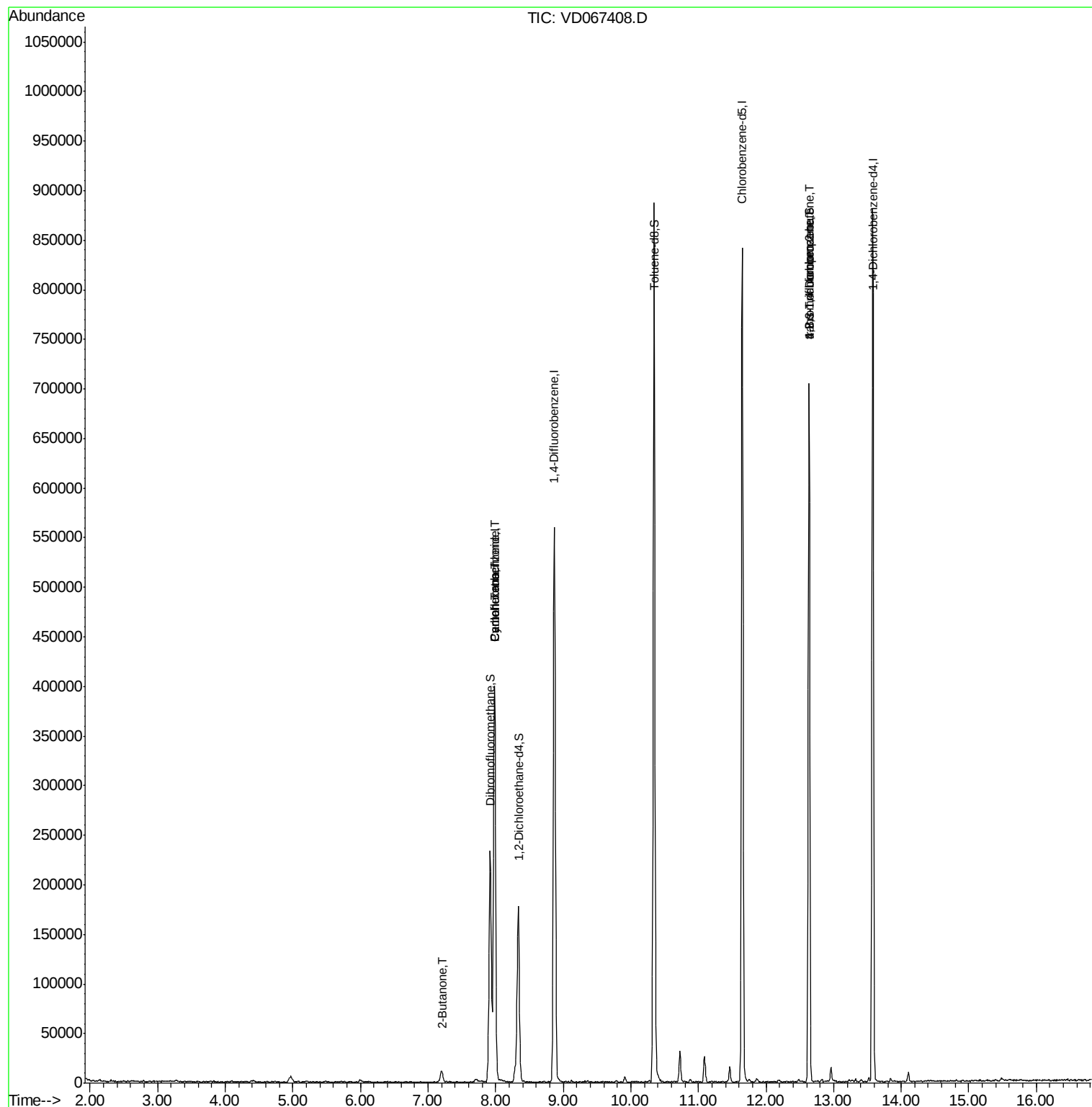
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	539	Below Cal		93
5) Bromomethane	2.79	94	623	Below Cal	#	3
11) Tert butyl alcohol	5.23	59	67	Below Cal	#	81
20) Methylene Chloride	4.98	84	4445	Below Cal	#	75
25) 2-Butanone	7.22	43	526	1.082	ug/l #	45
31) Cyclohexane	7.98	56	6127	1.747	ug/l #	1
38) Carbon Tetrachloride	7.98	117	32598	5.935	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	112394	67.308	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	112394	152.635	ug/l #	10

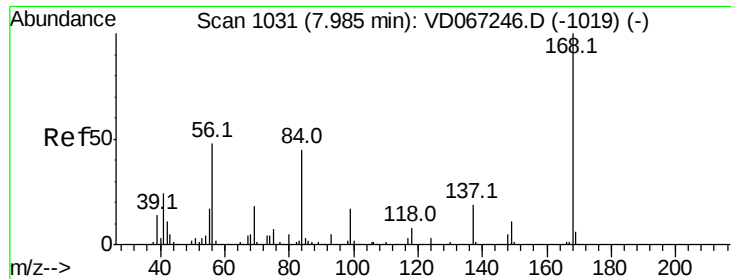
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067408.D

Acq: 27 Oct 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

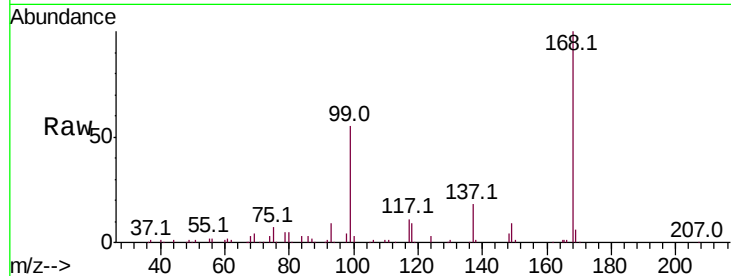
CS-38

Tot Ion:168 Resp: 303949

Ion Ratio Lower Upper

168 100

99 54.7 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

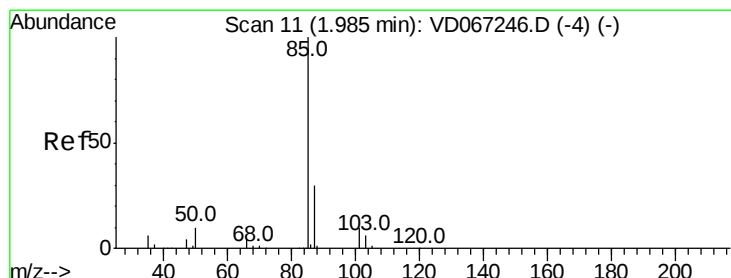
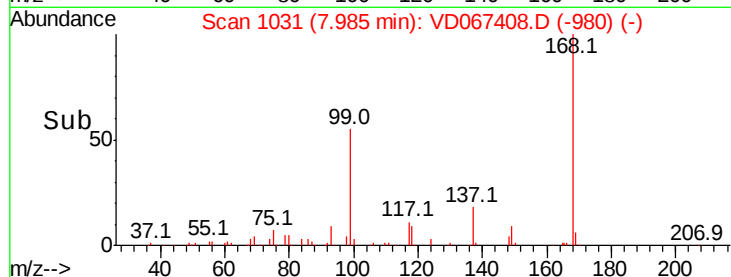
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067408.D

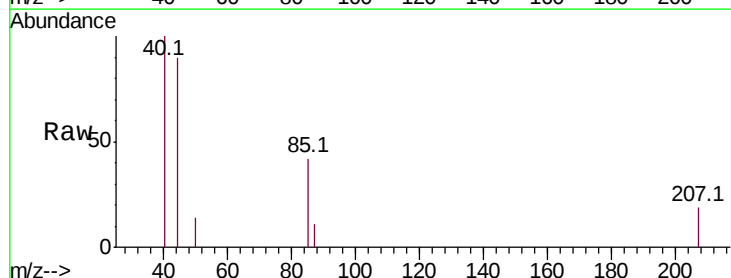
Acq: 27 Oct 2020 13:39

Tgt Ion: 85 Resp: 539

Ion Ratio Lower Upper

85 100

87 26.7 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

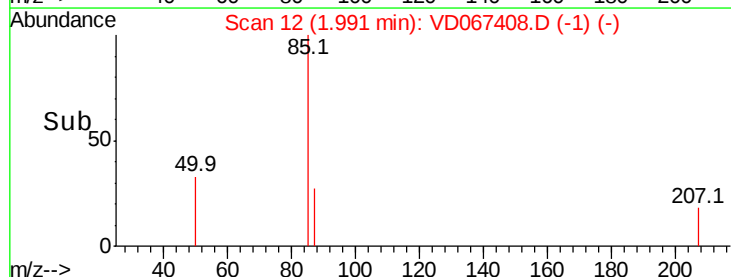
600

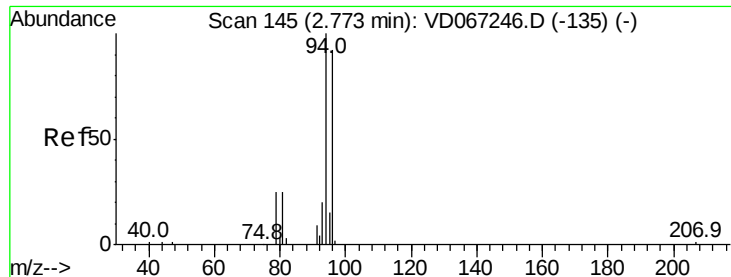
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067408.D

Acq: 27 Oct 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

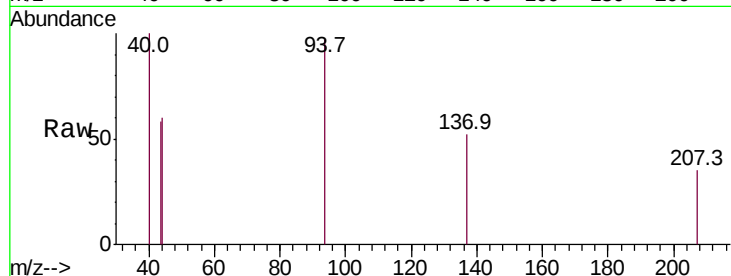
CS-38

Tot Ion: 94 Resp: 623

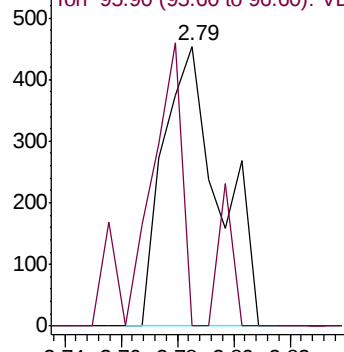
Ion Ratio Lower Upper

94 100

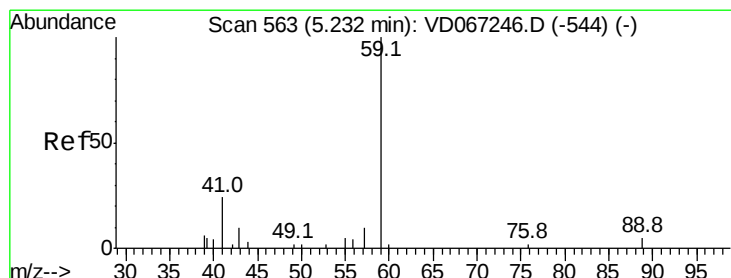
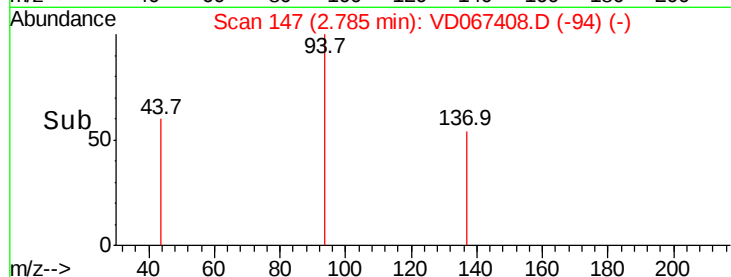
96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC



Time--> 2.74 2.76 2.78 2.80 2.82



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD067408.D

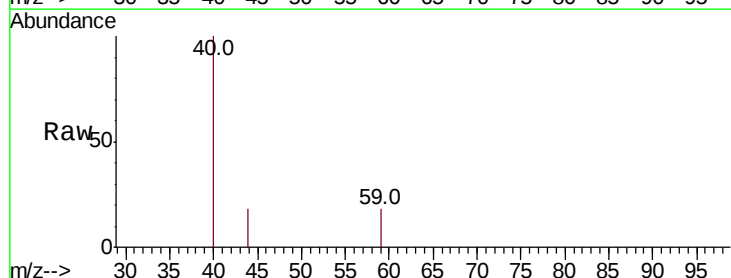
Acq: 27 Oct 2020 13:39

Tgt Ion: 59 Resp: 67

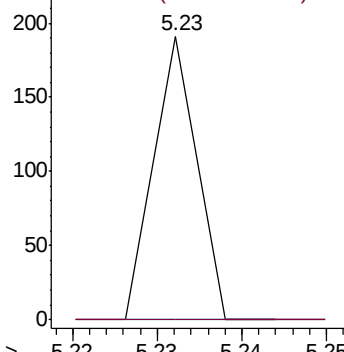
Ion Ratio Lower Upper

59 100

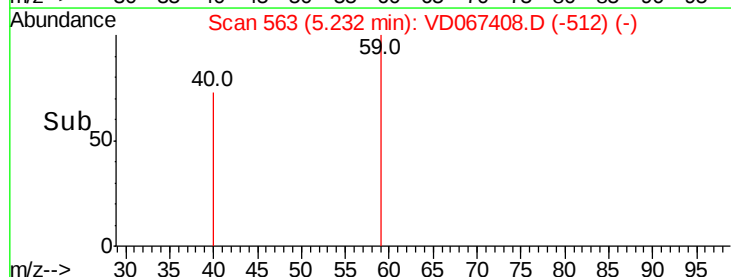
57 0.0 5.1 7.7#

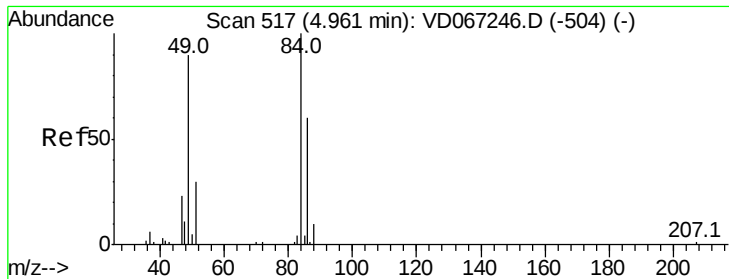


Abundance Ion 59.00 (58.70 to 59.70): VDC



Time--> 5.22 5.23 5.24 5.25

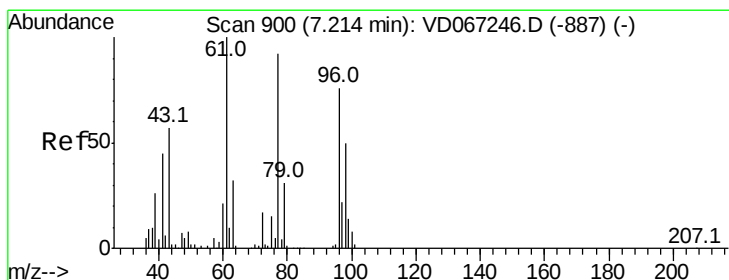
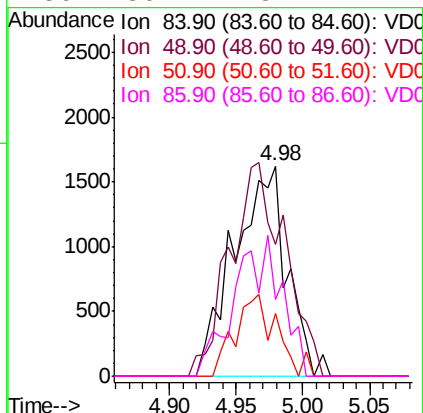
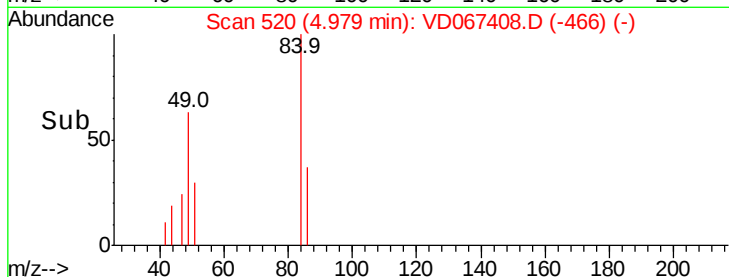
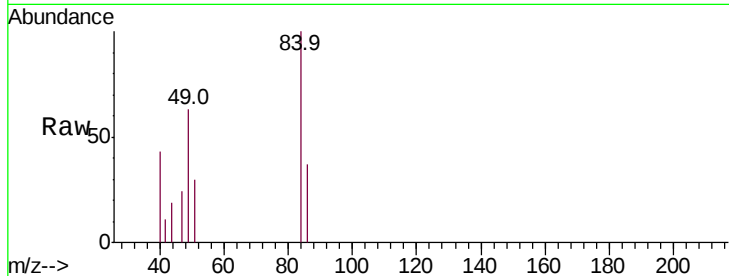




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD067408.D
Acq: 27 Oct 2020 13:39

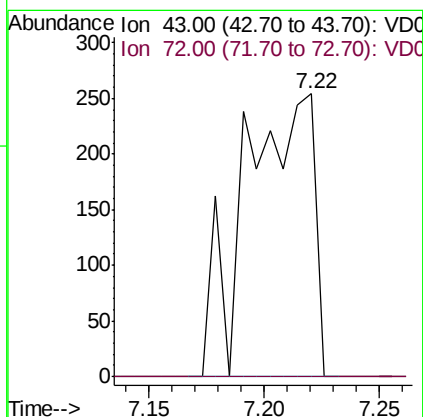
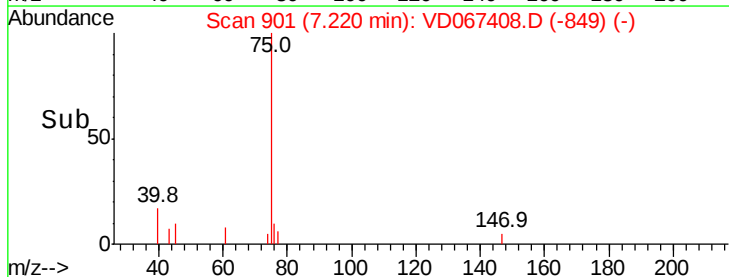
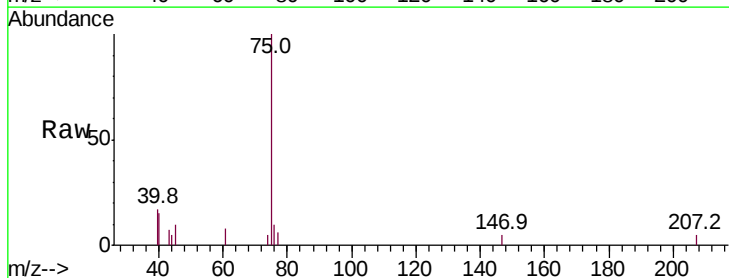
Instrument :
MSVOA_D
ClientSampleId :
CS-38

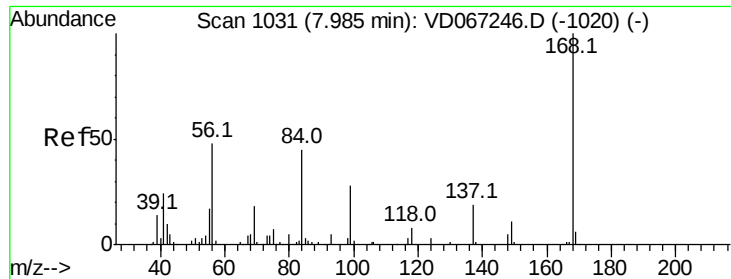
Tot Ion: 84 Resp: 4445
Ion Ratio Lower Upper
84 100
49 63.0 72.2 108.2#
51 30.2 23.8 35.8
86 36.7 48.2 72.4#



#25
2-Butanone
Concen: 1.082 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067408.D
Acq: 27 Oct 2020 13:39

Tgt Ion: 43 Resp: 526
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

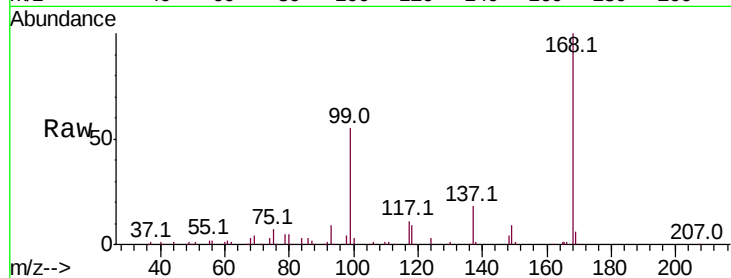




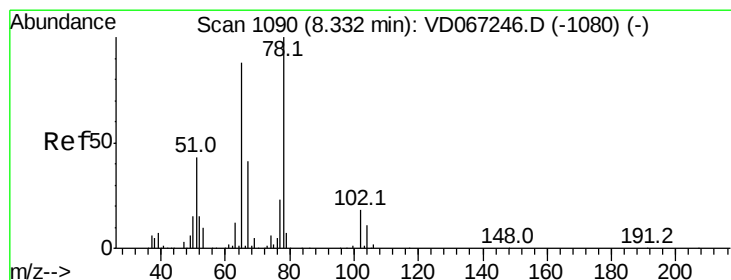
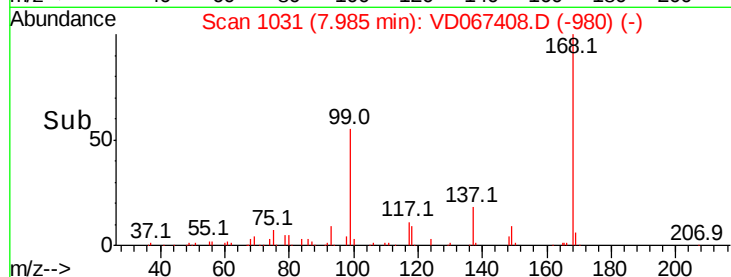
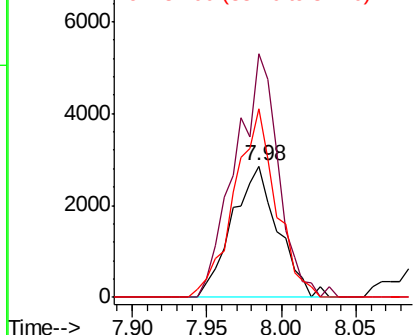
#31
Cyclohexane
Concen: 1.747 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067408.D
Acq: 27 Oct 2020 13:39

Instrument :
MSVOA_D
ClientSampled :
CS-38

Tot Ion: 56 Resp: 6127
Ion Ratio Lower Upper
56 100
69 185.2 29.8 44.6#
84 143.2 76.6 114.8#

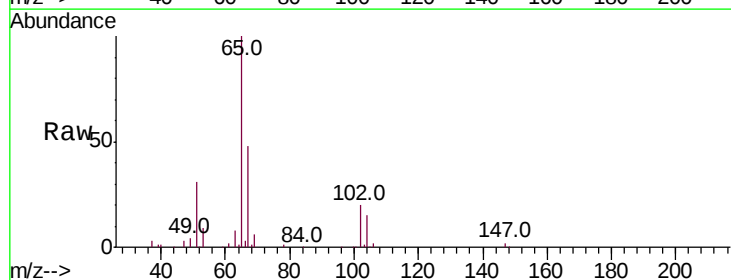


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

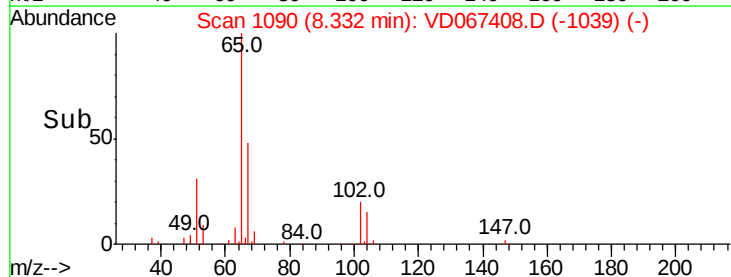
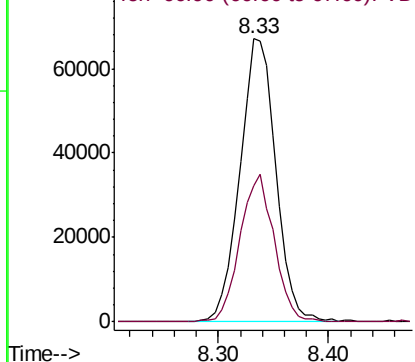


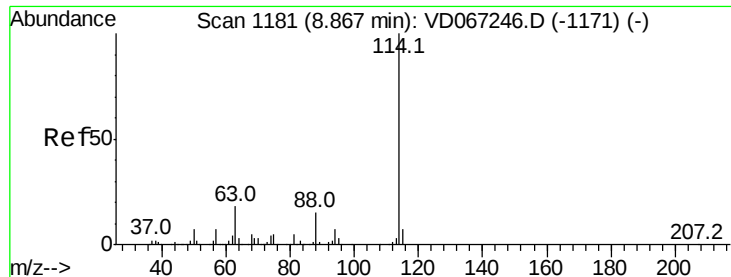
#33
1,2-Dichloroethane-d4
Concen: 50.174 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067408.D
Acq: 27 Oct 2020 13:39

Tgt Ion: 65 Resp: 152786
Ion Ratio Lower Upper
65 100
67 49.9 0.0 103.8



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

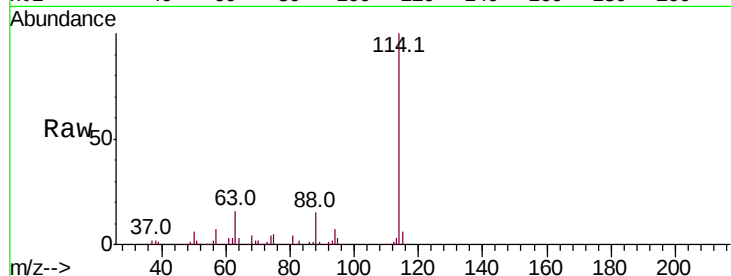




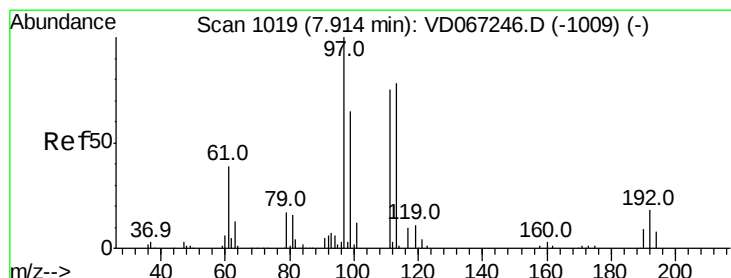
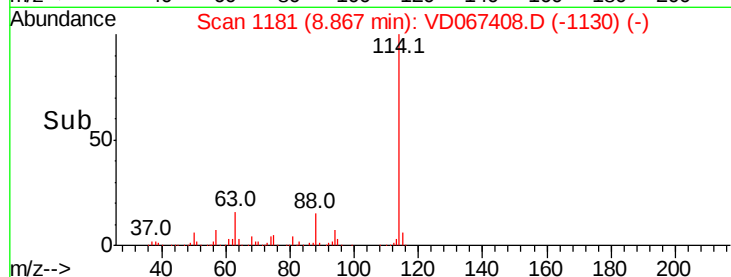
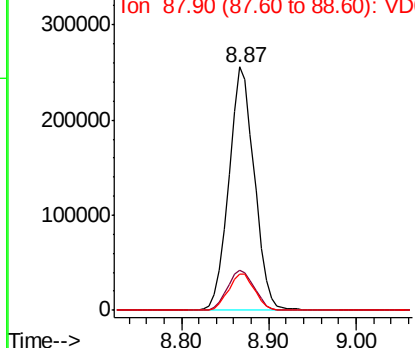
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067408.D
 Acq: 27 Oct 2020 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-38

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	35.0
88	15.0	0.0	30.6

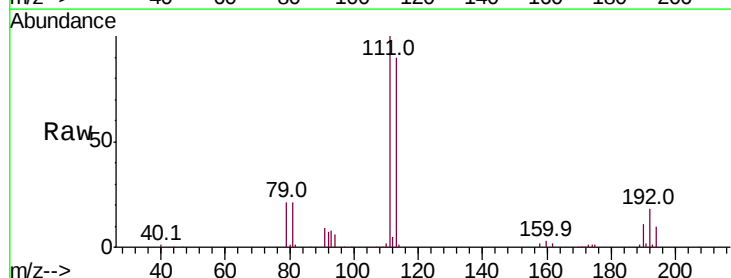


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

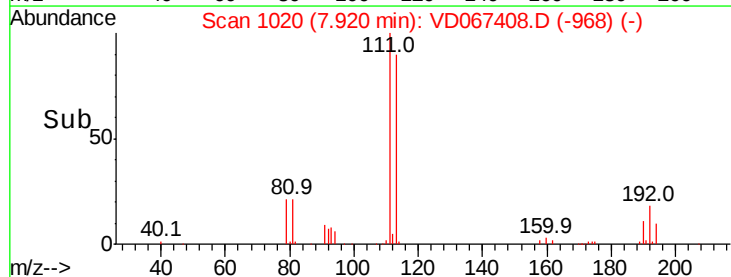
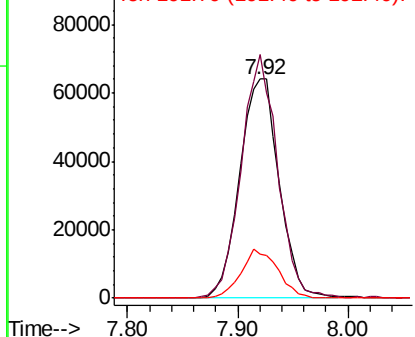


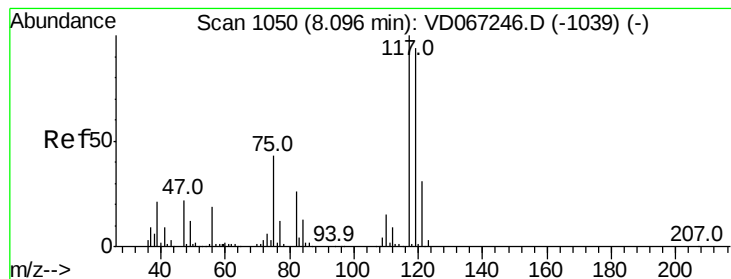
#35
 Dibromofluoromethane
 Concen: 47.842 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067408.D
 Acq: 27 Oct 2020 13:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.6	122.4
192	20.8	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: 5.935 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067408.D

Acq: 27 Oct 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

CS-38

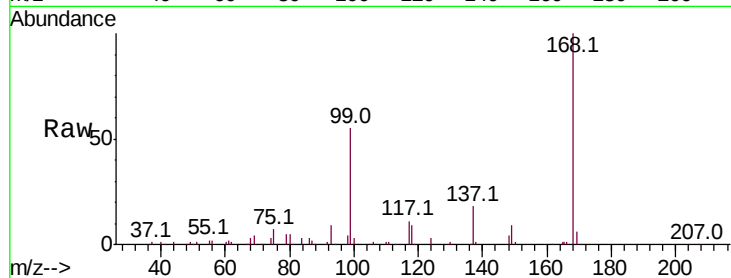
Tot Ion:117 Resp: 32598

Ion Ratio Lower Upper

117 100

119 4.1 75.0 112.4#

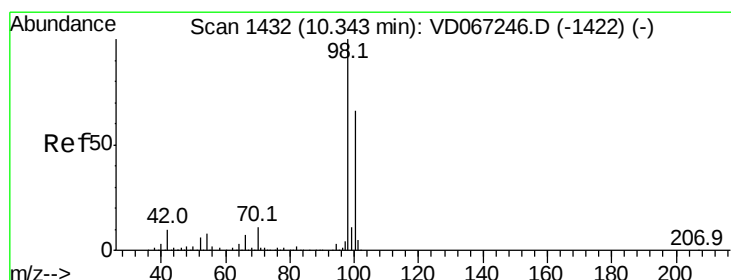
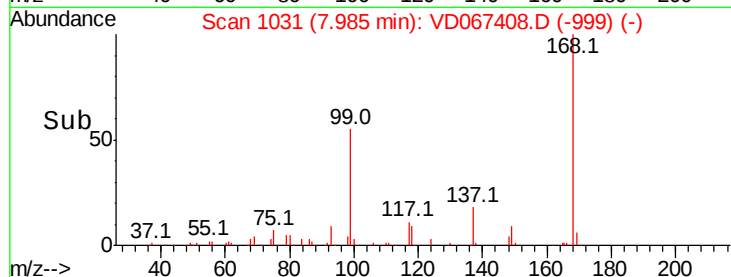
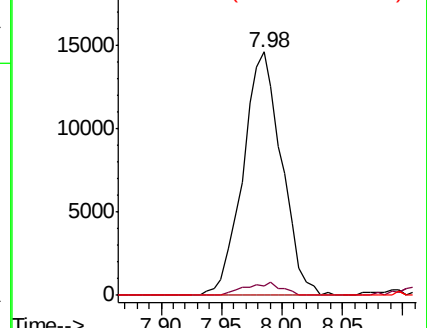
121 0.0 24.9 37.3#



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: 49.819 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067408.D

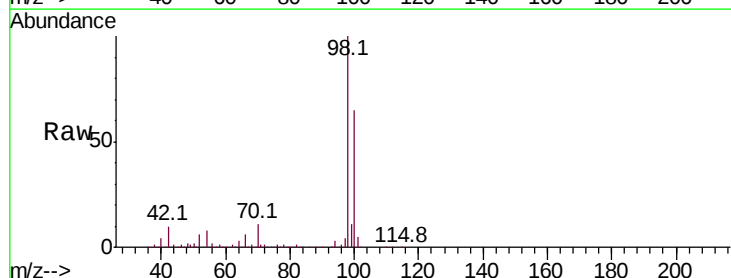
Acq: 27 Oct 2020 13:39

Tgt Ion: 98 Resp: 608307

Ion Ratio Lower Upper

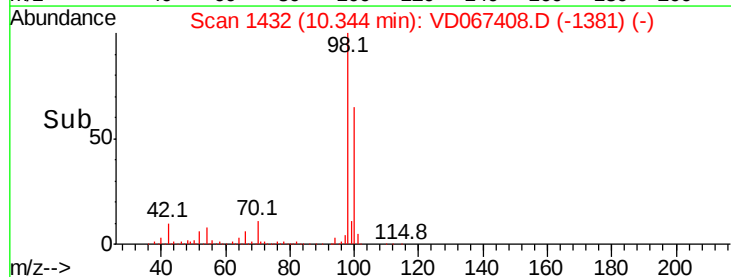
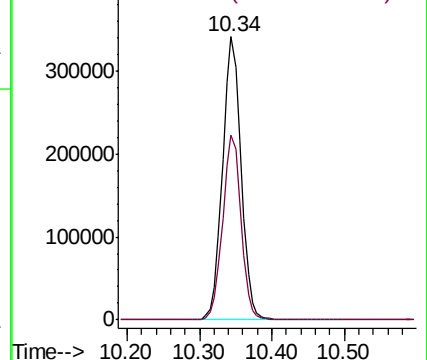
98 100

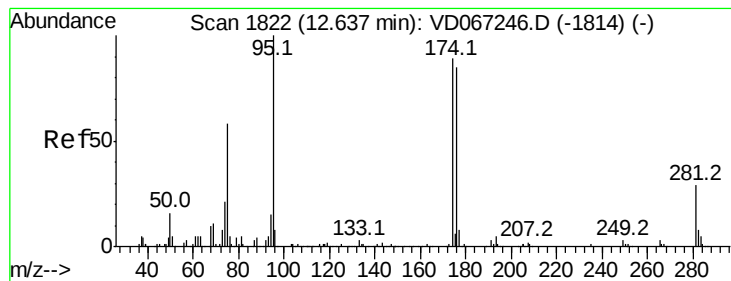
100 64.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.158 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067408.D

Acq: 27 Oct 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

CS-38

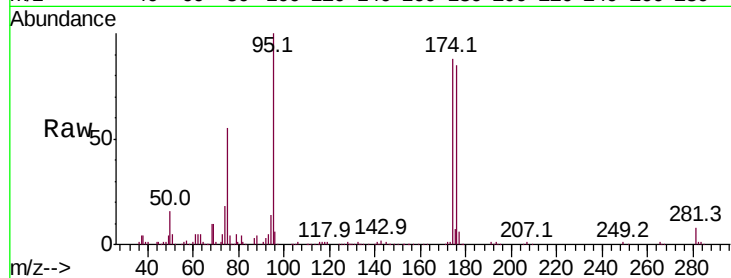
Tot Ion: 95 Resp: 208717

Ion Ratio Lower Upper

95 100

174 90.5 0.0 175.2

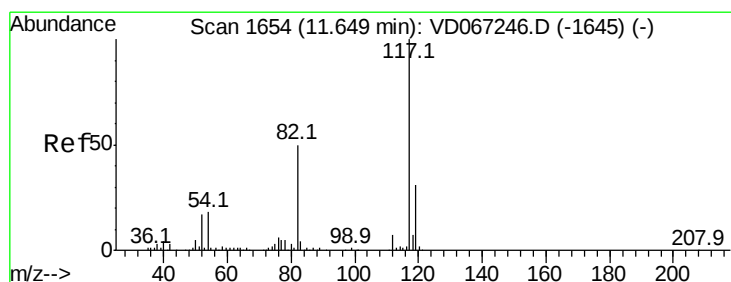
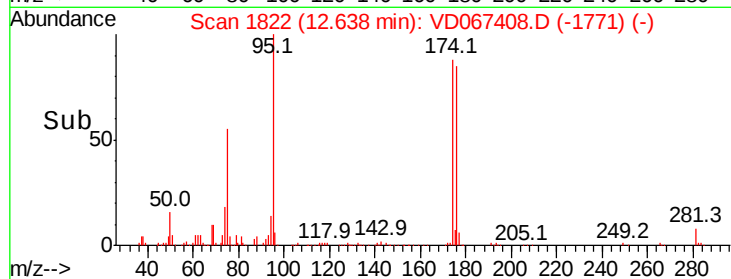
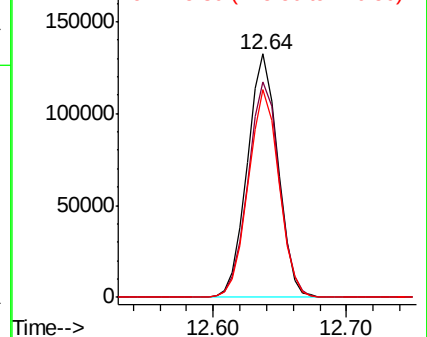
176 85.8 0.0 168.6



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: VD067408.D

Acq: 27 Oct 2020 13:39

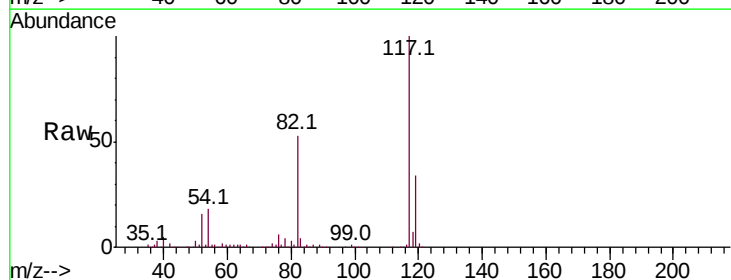
Tgt Ion: 117 Resp: 499192

Ion Ratio Lower Upper

117 100

82 53.5 39.9 59.9

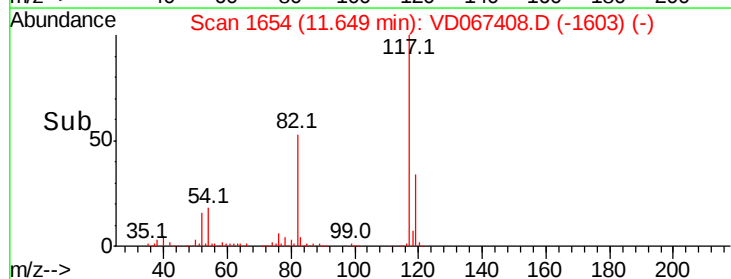
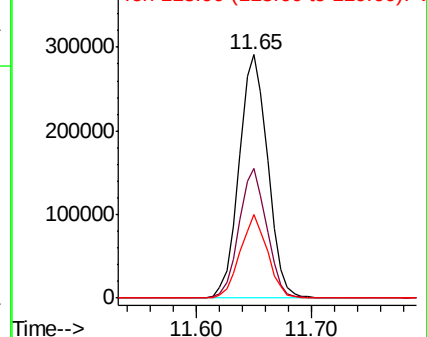
119 34.3 24.9 37.3

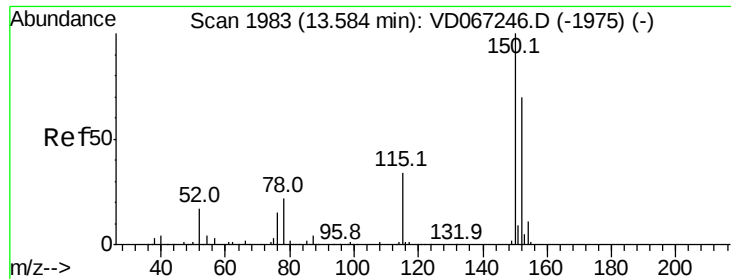


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



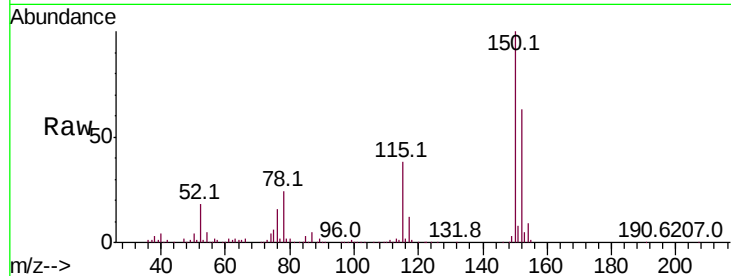


#72

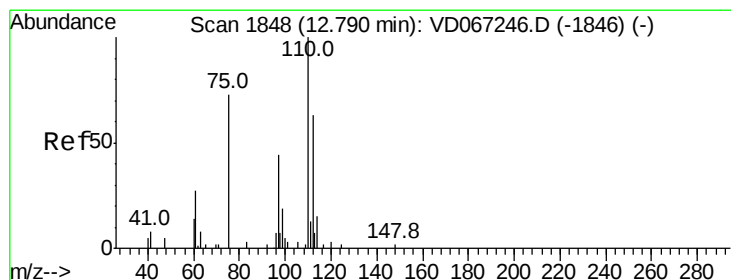
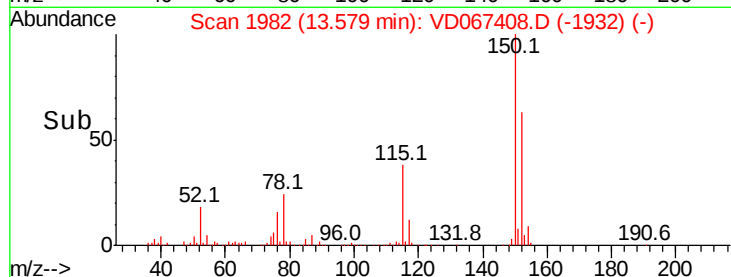
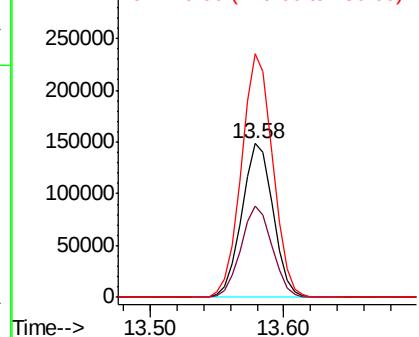
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067408.D
Acq: 27 Oct 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
CS-38

Tot Ion:152 Resp: 240926
Ion Ratio Lower Upper
152 100
115 59.1 29.3 87.9
150 158.1 0.0 339.0



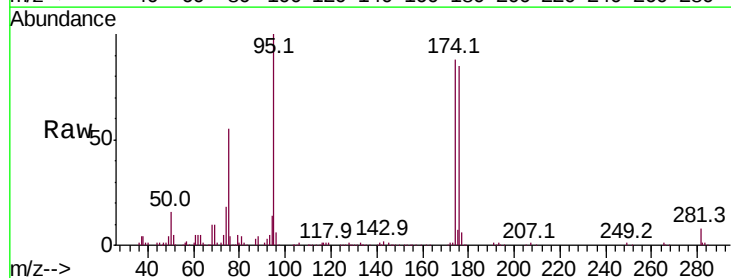
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



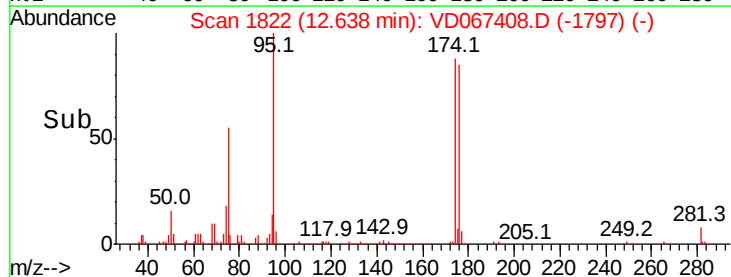
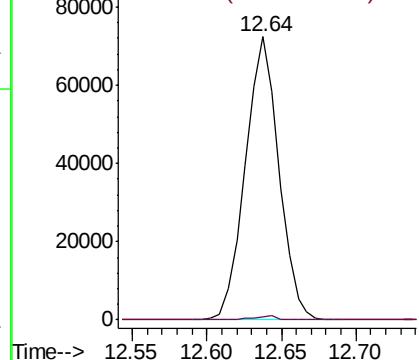
#76

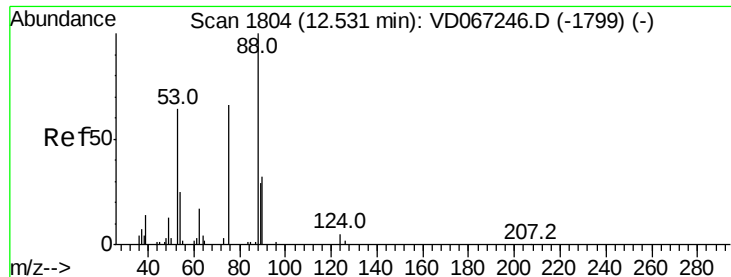
1,2,3-Trichloropropane
Concen: 67.308 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067408.D
Acq: 27 Oct 2020 13:39

Tgt Ion: 75 Resp: 112394
Ion Ratio Lower Upper
75 100
77 1.1 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: 152.635 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067408.D

Acq: 27 Oct 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

CS-38

Tot Ion: 75 Resp: 112394

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#

