

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067409.D
 Acq On : 27 Oct 2020 14:06
 Operator : VA/SY
 Sample : L4523-03
 Misc : 4.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-39

Quant Time: Oct 28 00:45:20 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

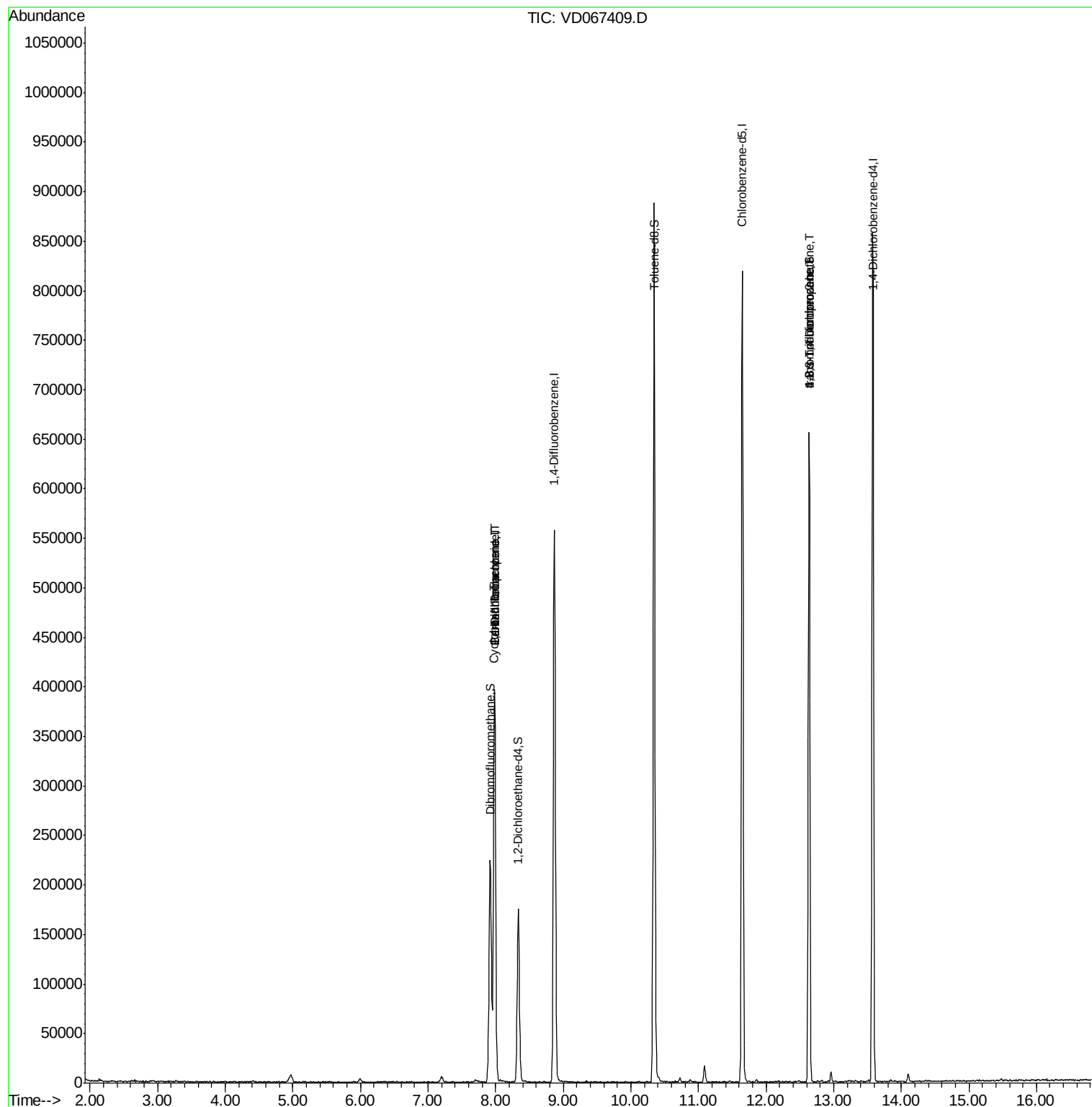
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	299722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	502221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	495905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240720	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	149093	49.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.30%	
35) Dibromofluoromethane	7.92	113	162367	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.16%	
50) Toluene-d8	10.34	98	601058	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.64	95	207421	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	433	Below Cal	#	44
5) Bromomethane	2.77	94	244	Below Cal	#	77
11) Tert butyl alcohol	5.23	59	56	Below Cal	#	81
20) Methylene Chloride	4.97	84	6096	Below Cal		95
31) Cyclohexane	7.97	56	5774	1.669	ug/l #	11
36) 1,1-Dichloropropene	7.98	75	20828	4.893	ug/l #	43
38) Carbon Tetrachloride	7.98	117	31302	5.754	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	108086	64.784	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	108086	146.910	ug/l #	10

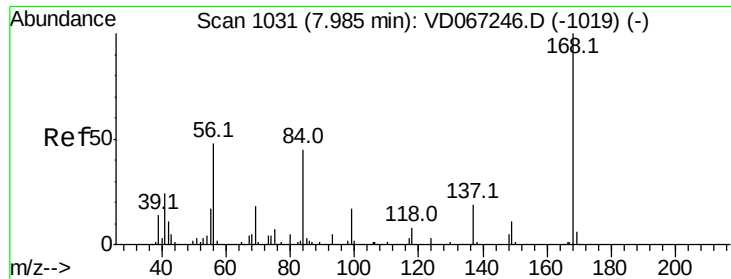
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102720\
Data File : VD067409.D
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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# 1031

Delta R.T. 0.00 min

Lab File: VD067409.D

Acq: 27 Oct 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

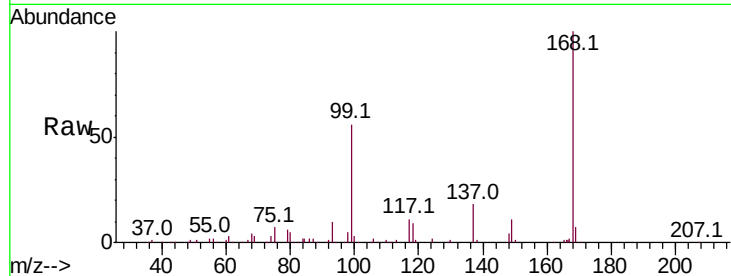
CS-39

Tot Ion:168 Resp: 299722

Ion Ratio Lower Upper

168 100

99 56.0 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

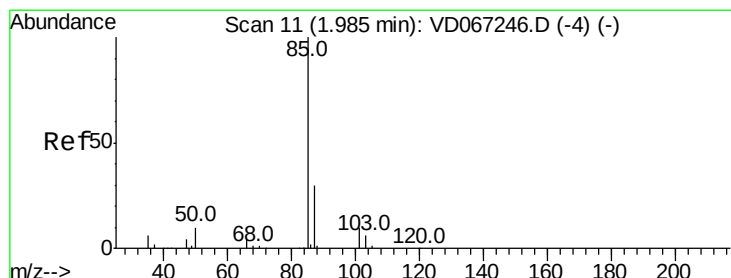
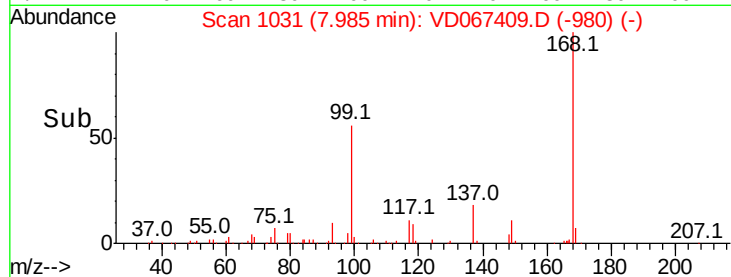
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067409.D

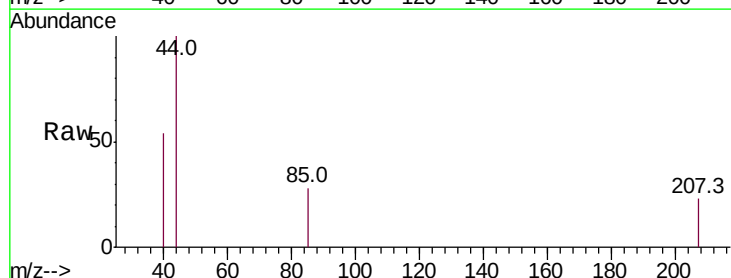
Acq: 27 Oct 2020 14:06

Tgt Ion: 85 Resp: 433

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

500

400

300

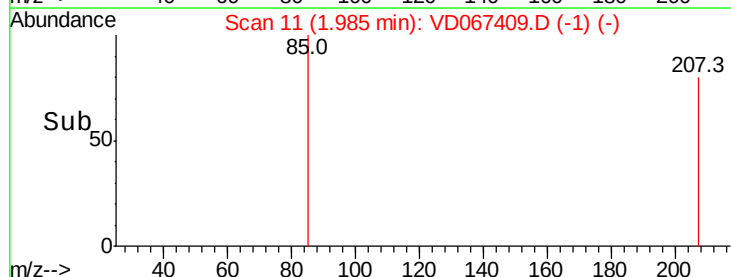
200

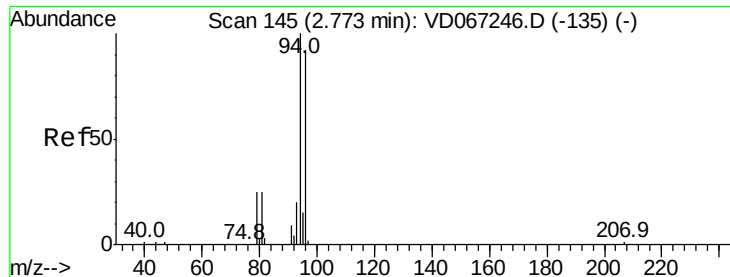
100

0

Time-->

1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067409.D

Acq: 27 Oct 2020 14:06

Instrument :

MSVOA_D

ClientSampled :

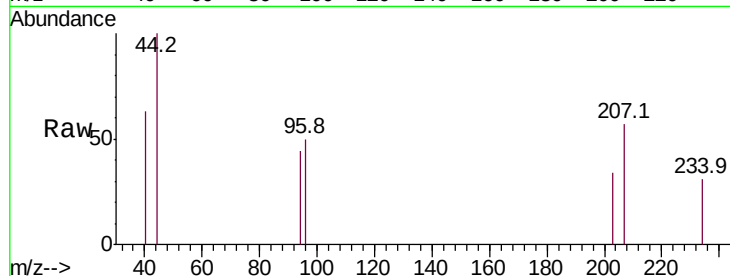
CS-39

Tot Ion: 94 Resp: 244

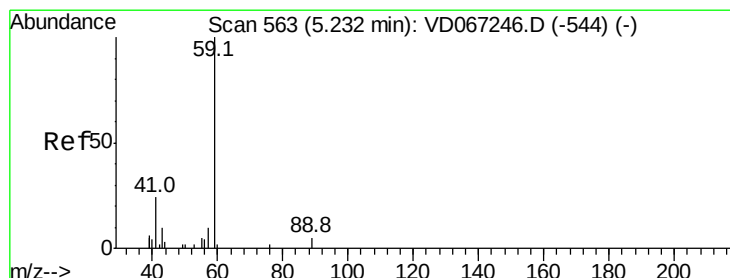
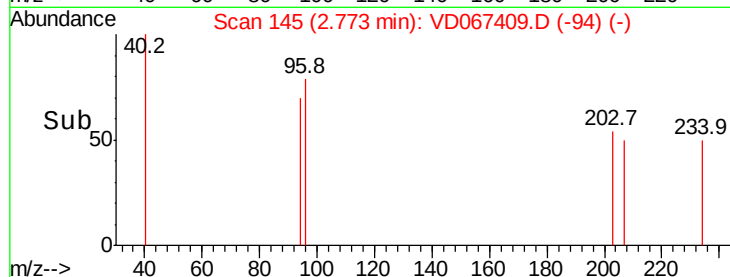
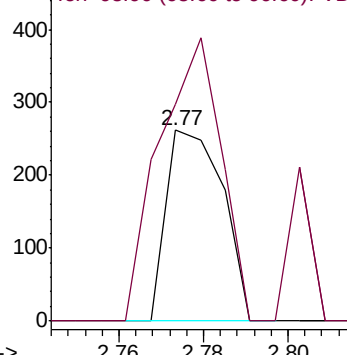
Ion Ratio Lower Upper

94 100

96 113.7 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD067409.D

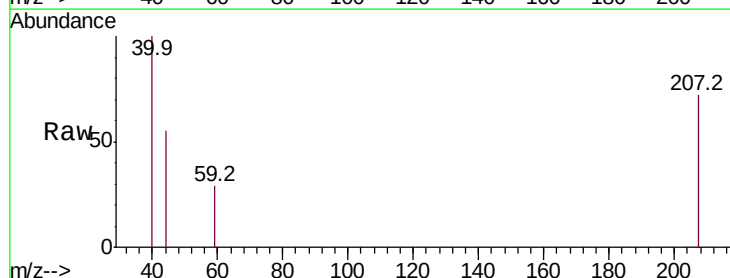
Acq: 27 Oct 2020 14:06

Tgt Ion: 59 Resp: 56

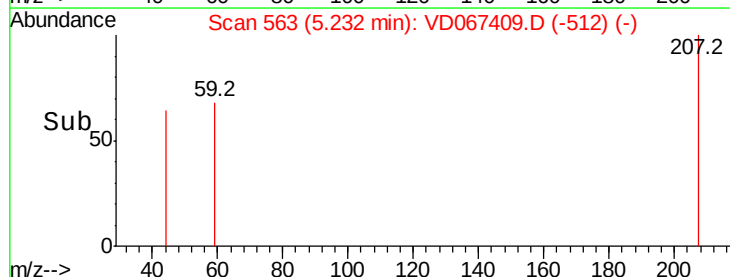
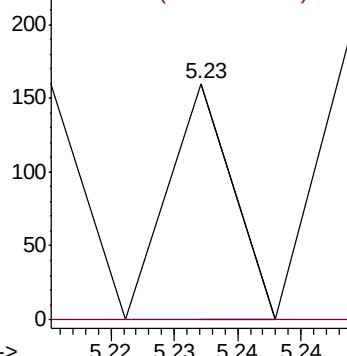
Ion Ratio Lower Upper

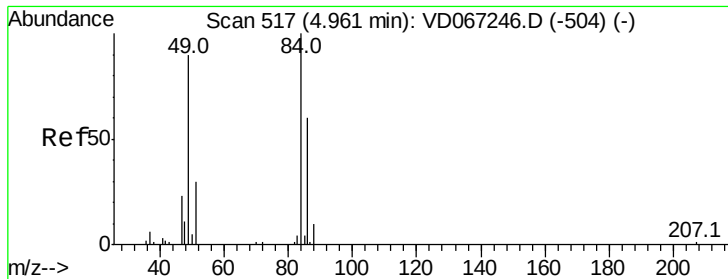
59 100

57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

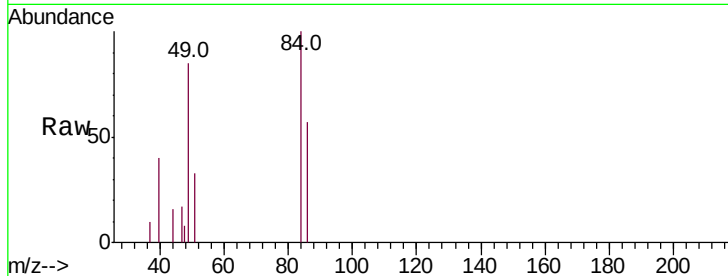




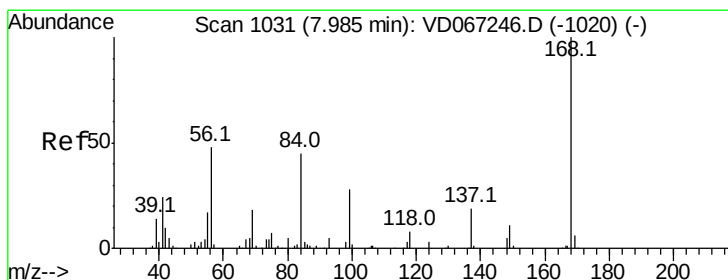
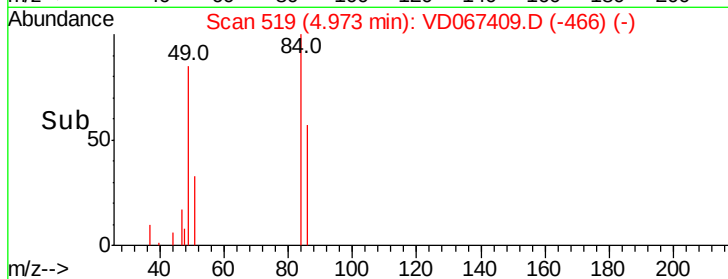
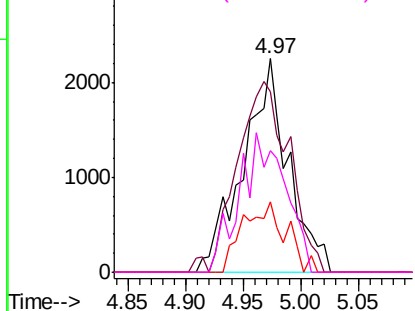
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067409.D
Acq: 27 Oct 2020 14:06

Instrument :
MSVOA_D
ClientSampleId :
CS-39

Tot Ion:	84	Resp:	6096
Ion	Ratio	Lower	Upper
84	100		
49	84.8	72.2	108.2
51	32.9	23.8	35.8
86	56.9	48.2	72.4

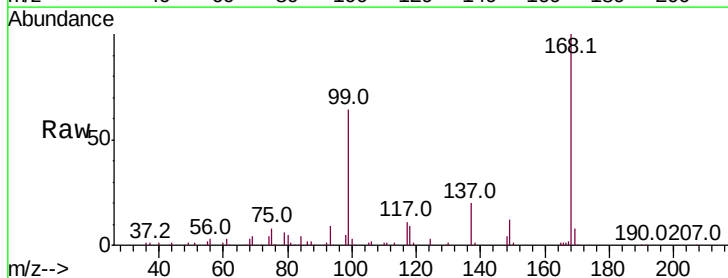


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

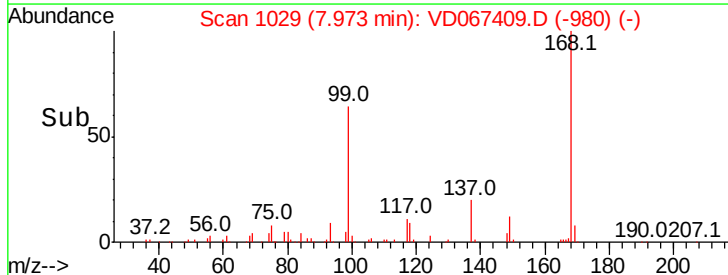
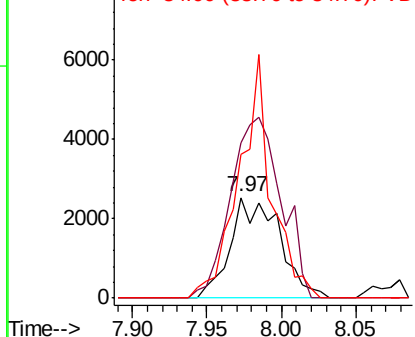


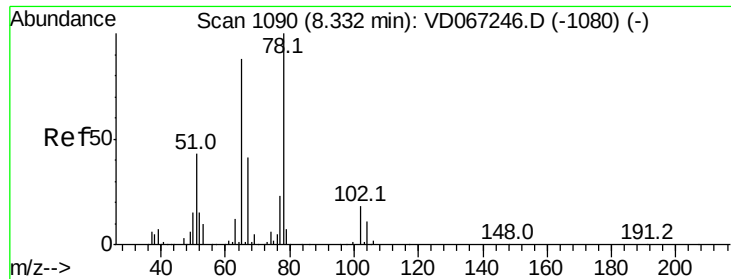
#31
Cyclohexane
Concen: 1.669 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067409.D
Acq: 27 Oct 2020 14:06

Tgt Ion:	56	Resp:	5774
Ion	Ratio	Lower	Upper
56	100		
69	153.5	29.8	44.6#
84	142.5	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: 49.652 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067409.D

Acq: 27 Oct 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

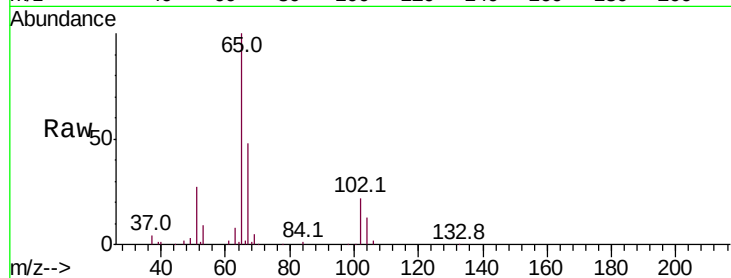
CS-39

Tot Ion: 65 Resp: 149093

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

60000

40000

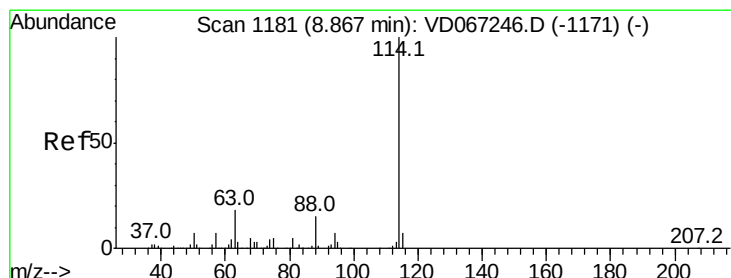
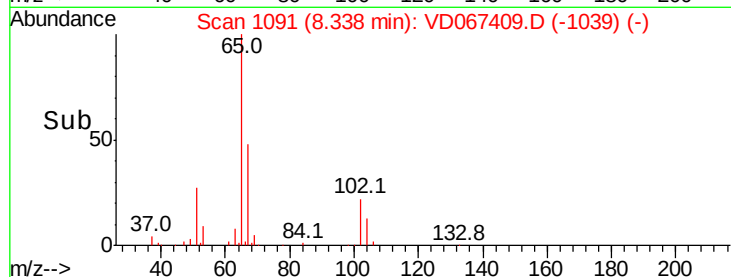
20000

0

8.30

8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067409.D

Acq: 27 Oct 2020 14:06

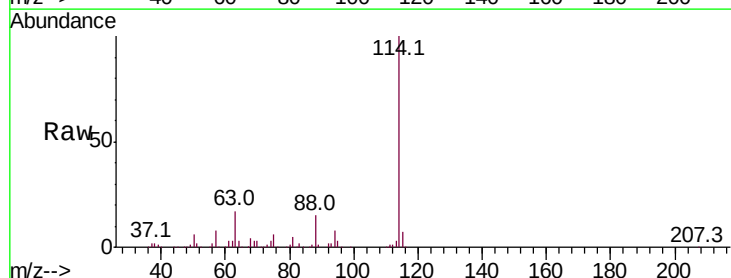
Tgt Ion: 114 Resp: 502221

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

88 14.9 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

300000

200000

100000

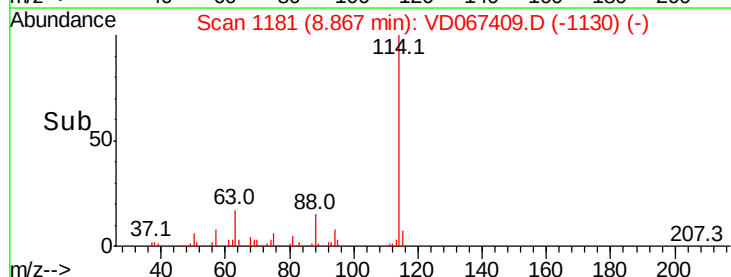
0

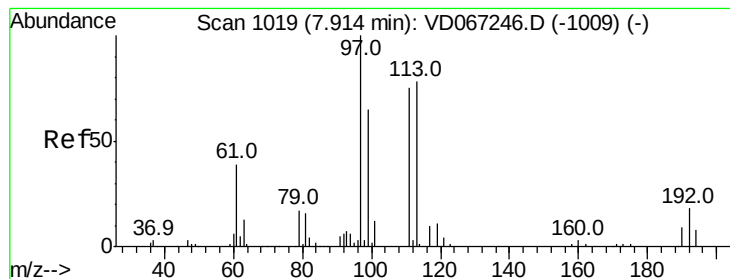
8.80

8.90

9.00

Time-->





#35

Dibromofluoromethane

Concen: 48.580 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067409.D

Acq: 27 Oct 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

CS-39

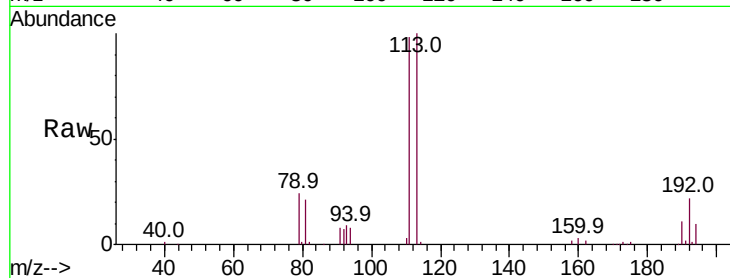
Tot Ion:113 Resp: 162367

Ion Ratio Lower Upper

113 100

111 103.6 81.6 122.4

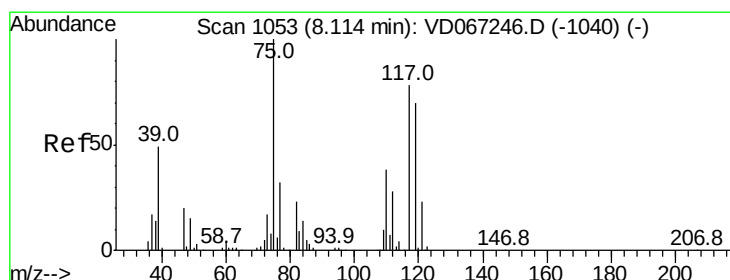
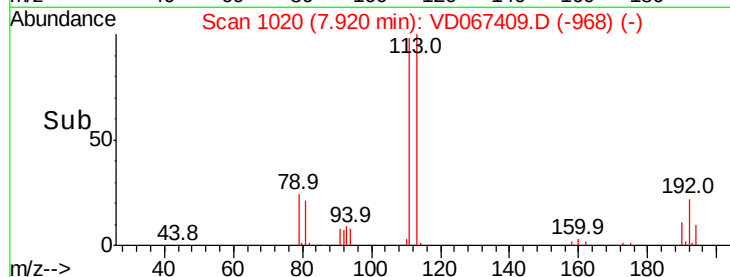
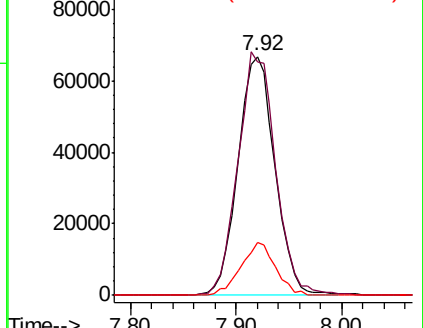
192 20.7 17.0 25.4



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: 4.893 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067409.D

Acq: 27 Oct 2020 14:06

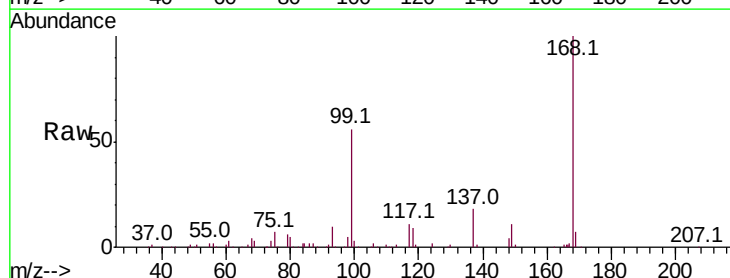
Tgt Ion: 75 Resp: 20828

Ion Ratio Lower Upper

75 100

110 3.3 19.6 58.7#

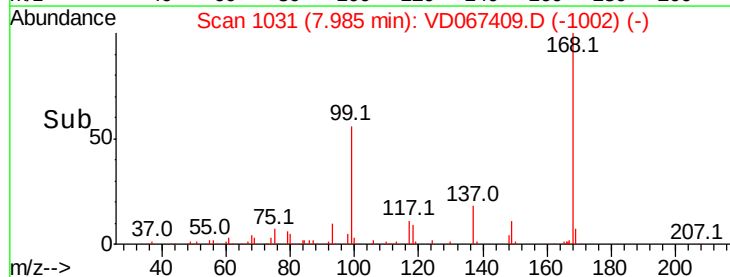
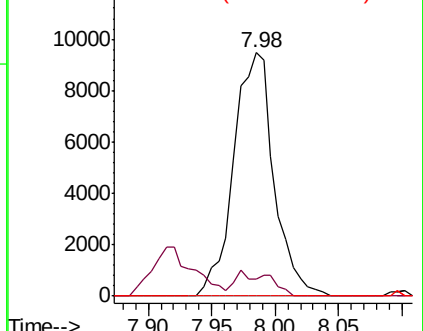
77 0.0 24.6 37.0#

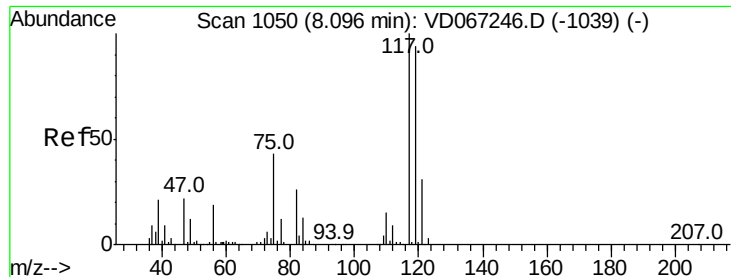


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

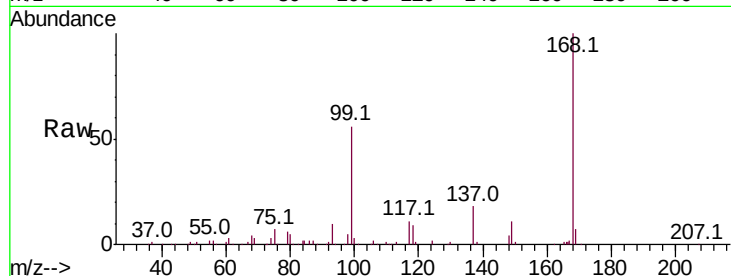




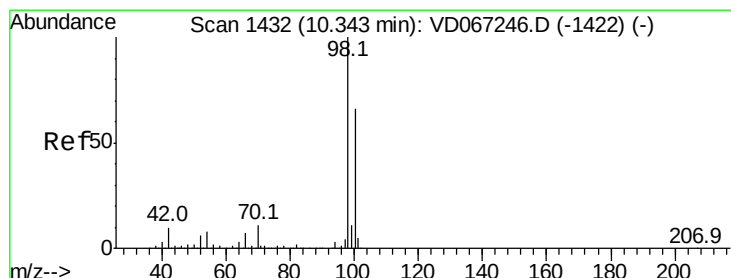
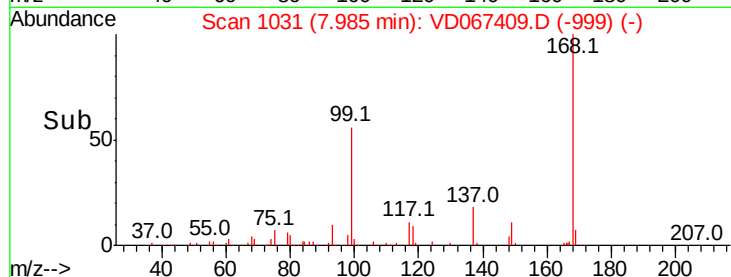
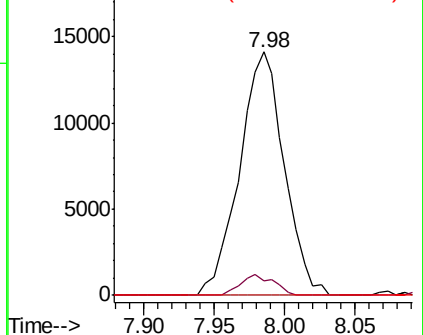
#38
Carbon Tetrachloride
Concen: 5.754 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067409.D
Acq: 27 Oct 2020 14:06

Instrument :
MSVOA_D
ClientSampled :
CS-39

Tot Ion:117 Resp: 31302
Ion Ratio Lower Upper
117 100
119 6.1 75.0 112.4#
121 0.0 24.9 37.3#

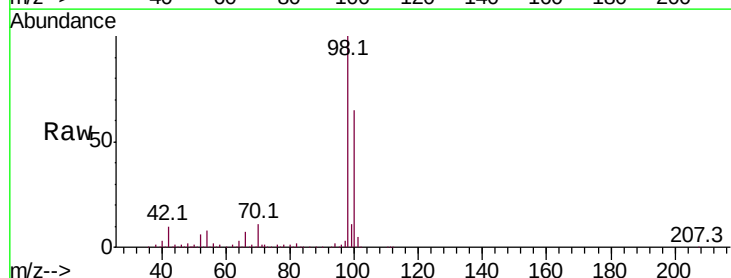


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

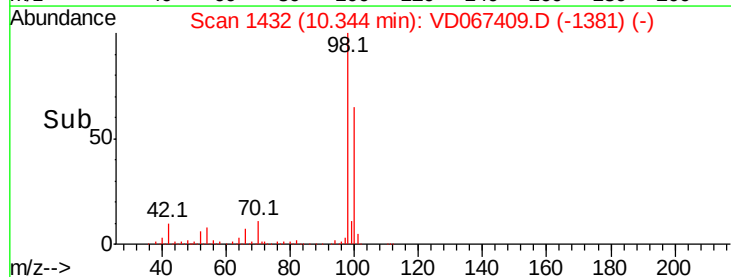
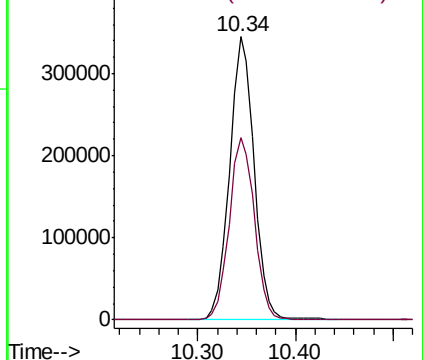


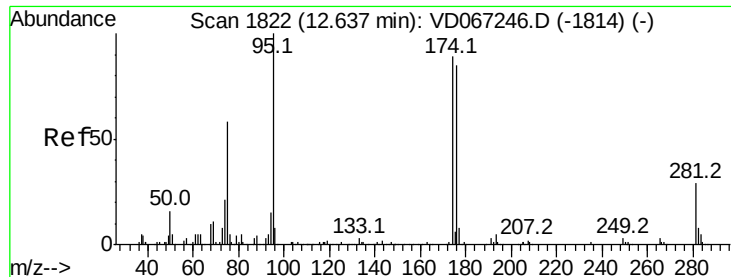
#50
Toluene-d8
Concen: 49.693 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067409.D
Acq: 27 Oct 2020 14:06

Tgt Ion: 98 Resp: 601058
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

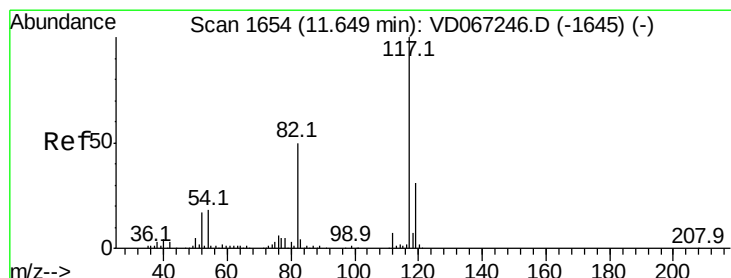
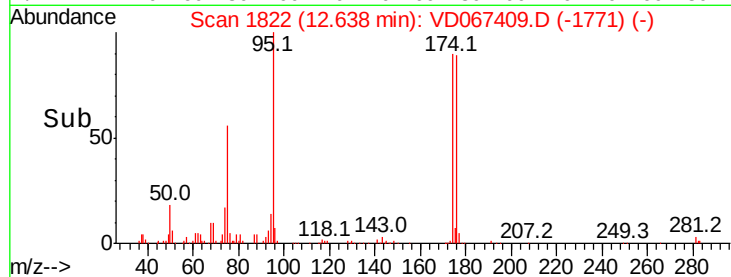
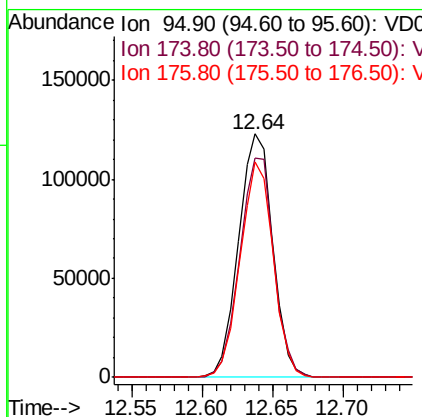
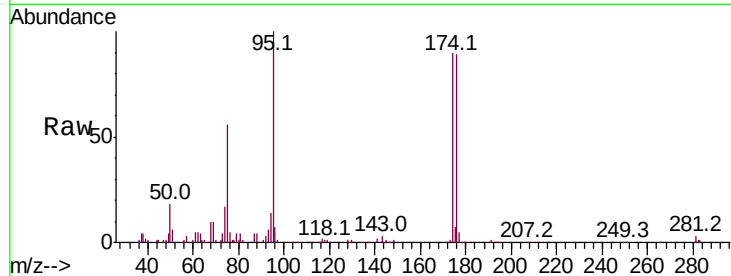




#62
4-Bromofluorobenzene
Concen: 49.317 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067409.D
Acq: 27 Oct 2020 14:06

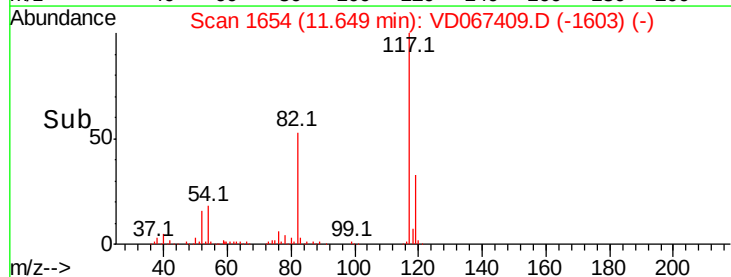
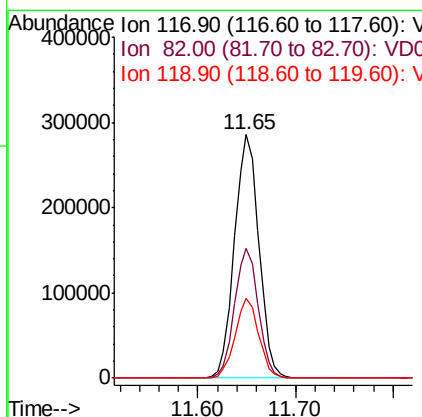
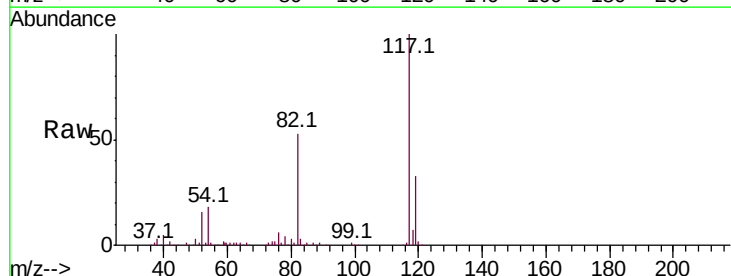
Instrument :
MSVOA_D
ClientSampleId :
CS-39

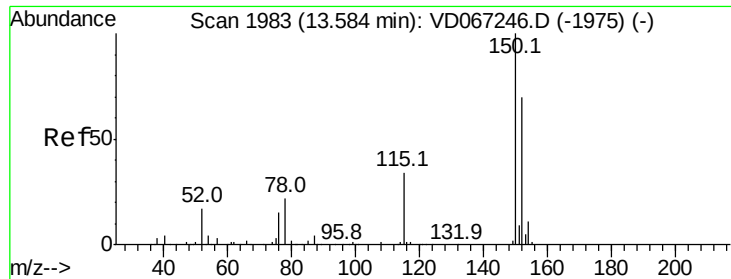
Tot Ion: 95 Resp: 207421
Ion Ratio Lower Upper
95 100
174 90.4 0.0 175.2
176 86.1 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067409.D
Acq: 27 Oct 2020 14:06

Tgt Ion: 117 Resp: 495905
Ion Ratio Lower Upper
117 100
82 53.5 39.9 59.9
119 32.6 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: VD067409.D

Acq: 27 Oct 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

CS-39

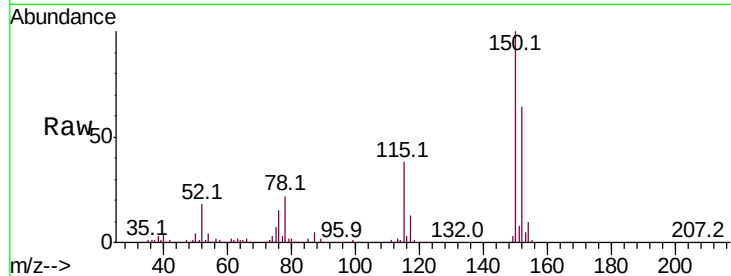
Tot Ion:152 Resp: 240720

Ion Ratio Lower Upper

152 100

115 58.1 29.3 87.9

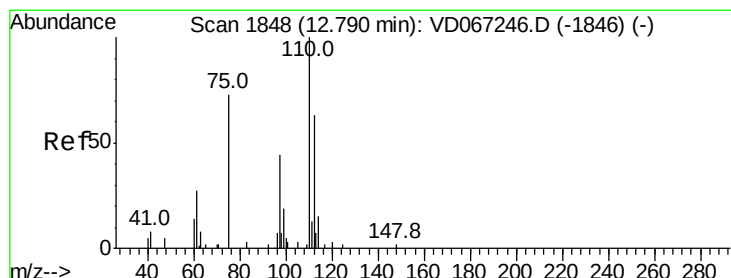
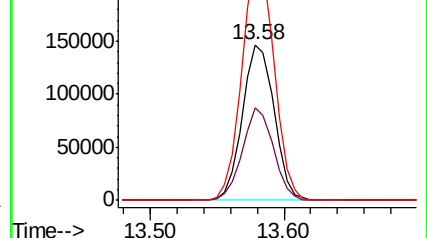
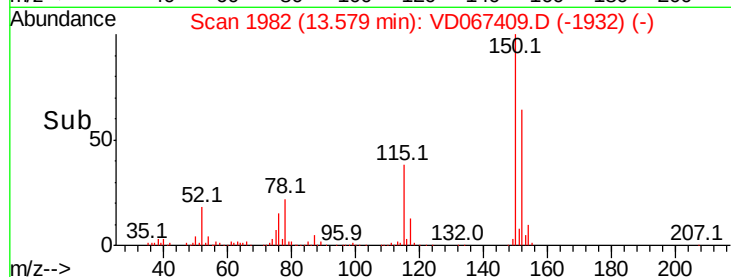
150 156.8 0.0 339.0



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: 64.784 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067409.D

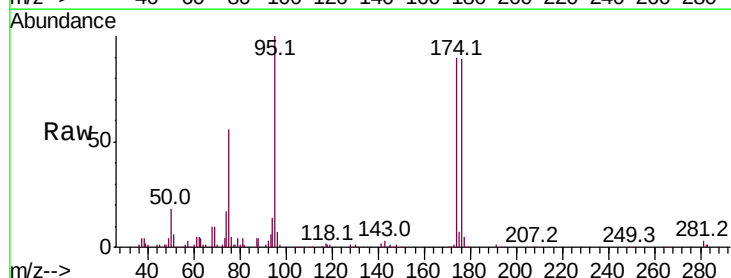
Acq: 27 Oct 2020 14:06

Tgt Ion: 75 Resp: 108086

Ion Ratio Lower Upper

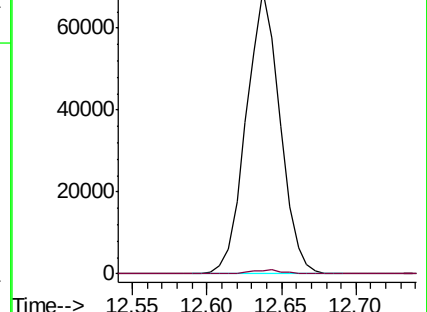
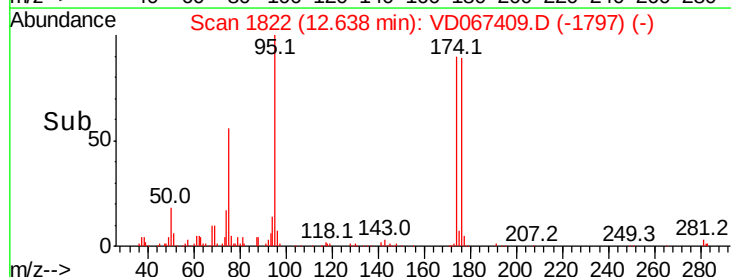
75 100

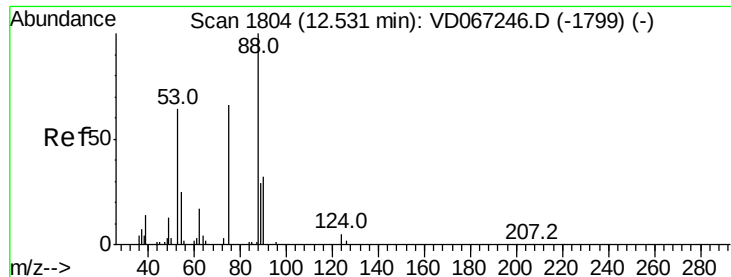
77 1.3 0.0 0.0#



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: 146.910 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067409.D

Acq: 27 Oct 2020 14:06

Instrument :

MSVOA_D

ClientSampleId :

CS-39

Tot Ion: 75 Resp: 108086

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#

