

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067864.D
 Acq On : 03 Dec 2020 13:17
 Operator : VA/SY
 Sample : L4932-01
 Misc : 4.71G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-35-1-WC

Quant Time: Dec 04 01:08:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	234714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	329279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	298007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145804	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117557	46.65	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.30%
35) Dibromofluoromethane	7.92	113	99591	45.20	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.40%
50) Toluene-d8	10.34	98	376246	47.44	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.88%
62) 4-Bromofluorobenzene	12.64	95	121499	44.31	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.62%

Target Compounds

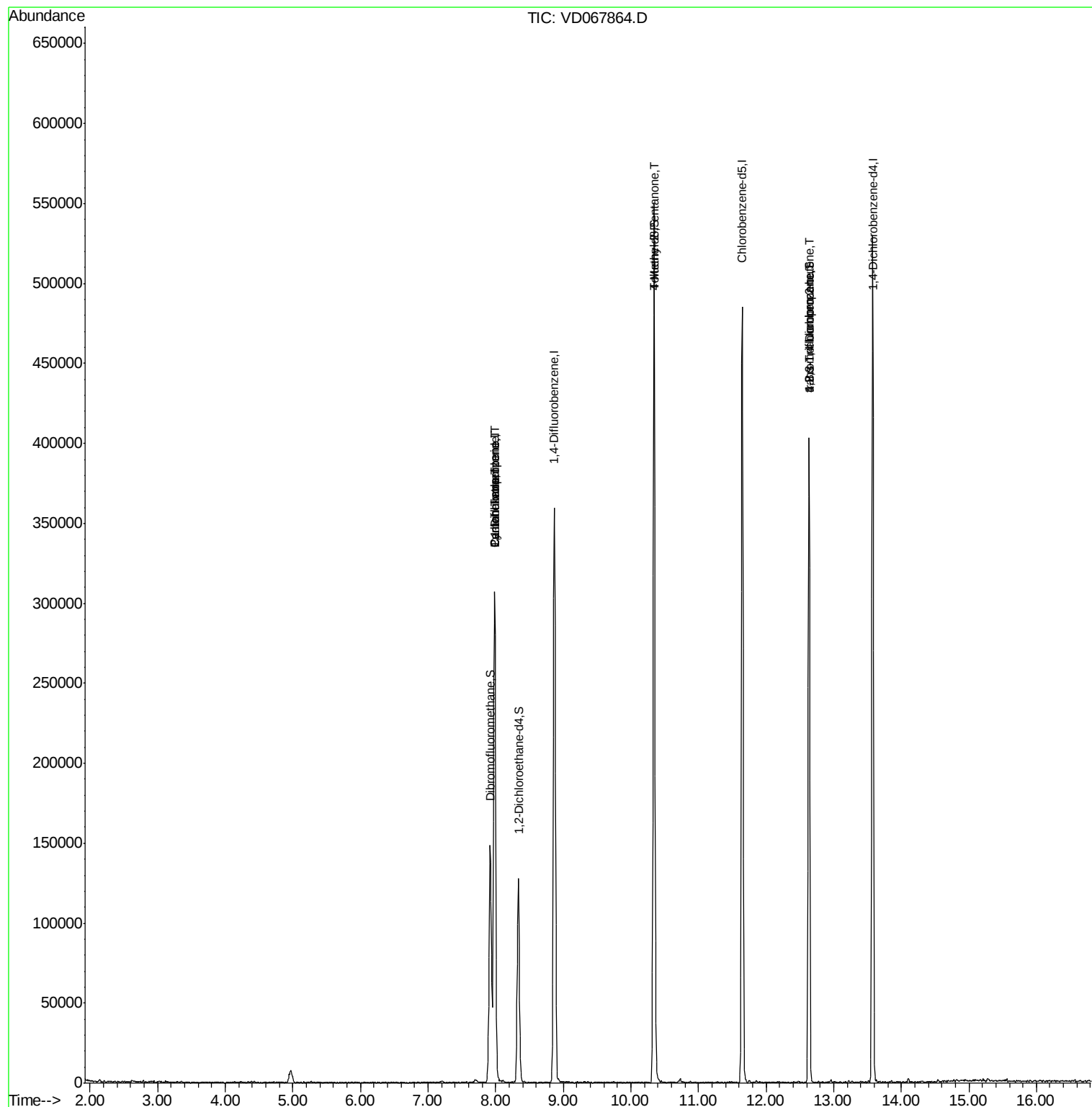
					Qvalue
20) Methylene Chloride	4.97	84	6290	Below Cal	88
31) Cyclohexane	7.98	56	4793	1.805 ug/l #	44
36) 1,1-Dichloropropene	7.98	75	15167	5.321 ug/l #	50
38) Carbon Tetrachloride	7.98	117	22826	5.292 ug/l #	16
41) Methacrylonitrile	7.56	41	93	Below Cal #	14
51) 4-Methyl-2-Pentanone	10.34	43	1427	1.995 ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	66489	62.620 ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	66489	149.792 ug/l #	7

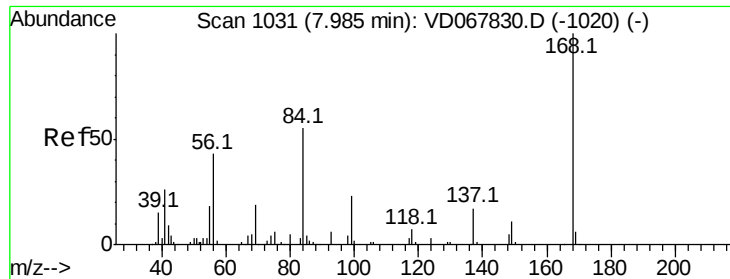
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 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: VD067864.D

Acq: 03 Dec 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

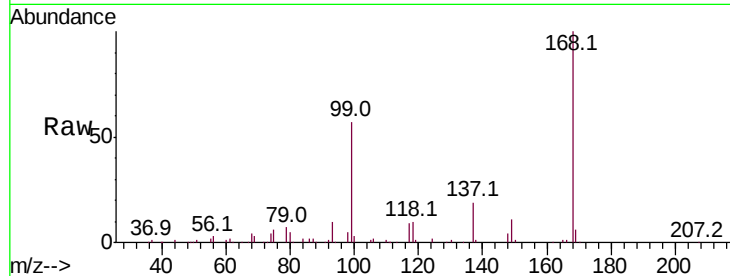
R-LA-35-1-WC

Tot Ion:168 Resp: 234714

Ion Ratio Lower Upper

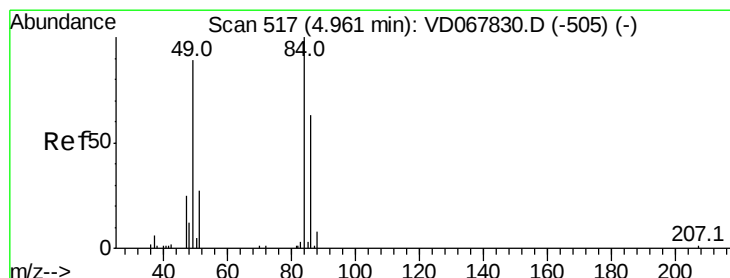
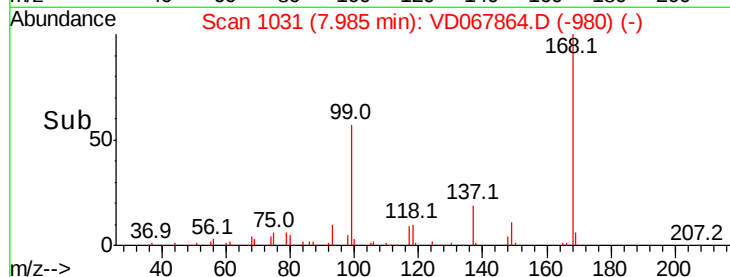
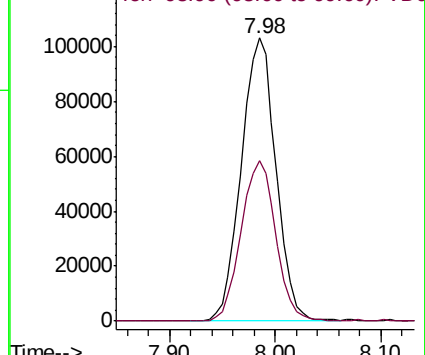
168 100

99 56.7 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067864.D

Acq: 03 Dec 2020 13:17

Tgt Ion: 84 Resp: 6290

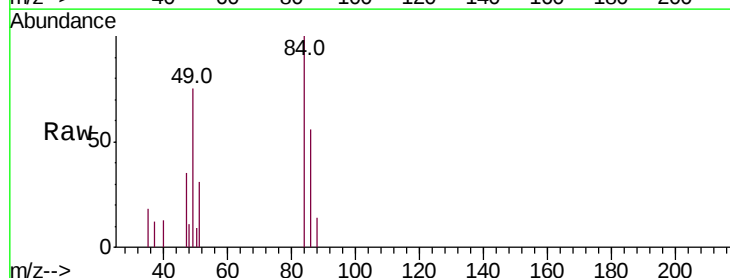
Ion Ratio Lower Upper

84 100

49 74.7 71.4 107.0

51 30.8 21.8 32.8

86 56.2 50.6 75.8

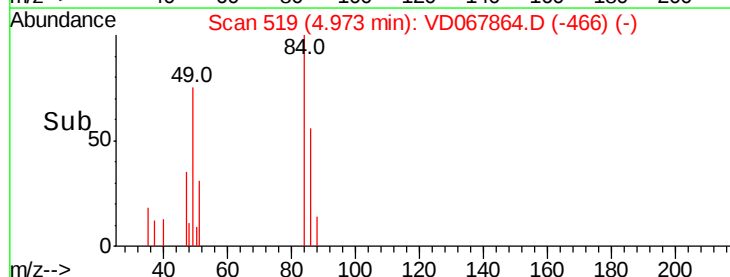
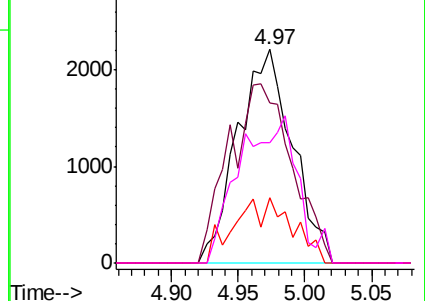


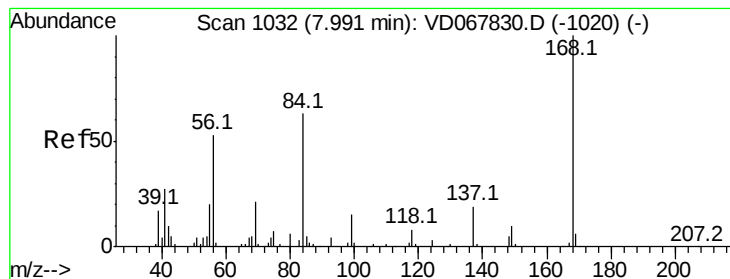
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.805 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067864.D

Acq: 03 Dec 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

R-LA-35-1-WC

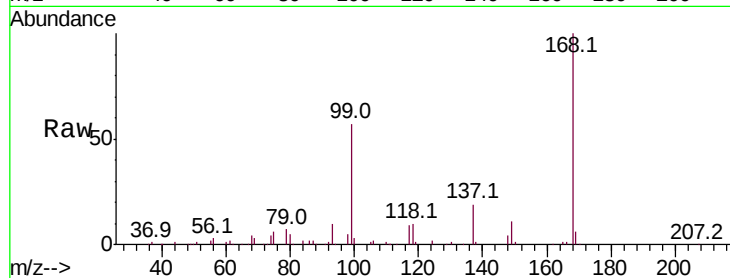
Tot Ion: 56 Resp: 4793

Ion Ratio Lower Upper

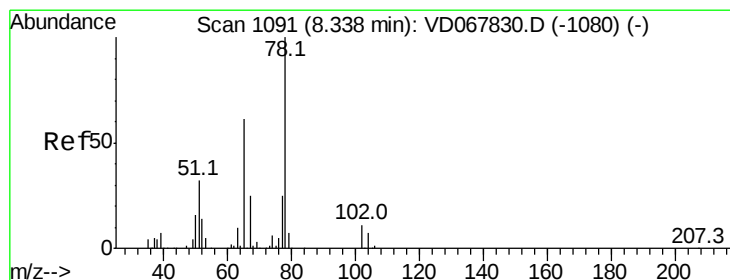
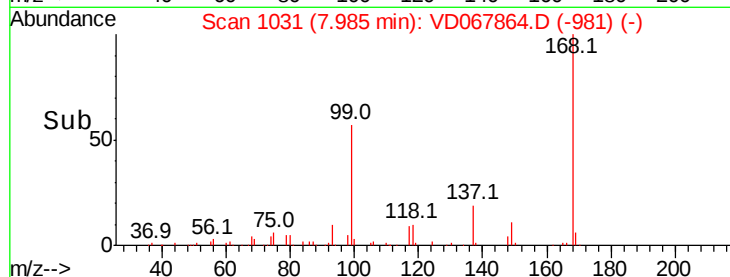
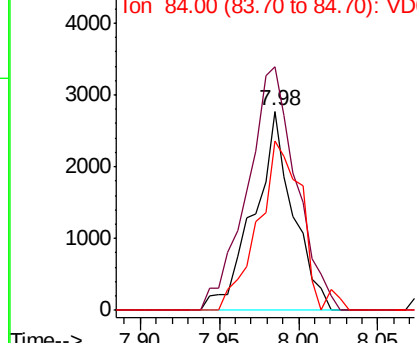
56 100

69 122.3 32.1 48.1#

84 84.8 93.2 139.8#



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: 46.654 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067864.D

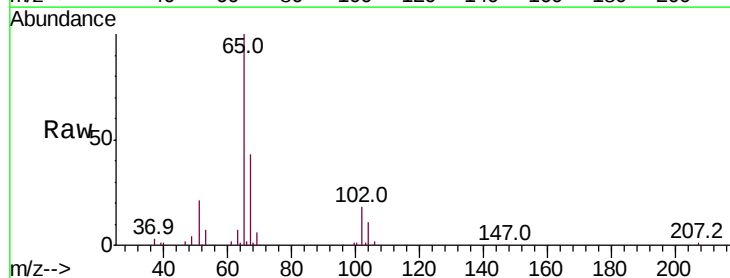
Acq: 03 Dec 2020 13:17

Tgt Ion: 65 Resp: 117557

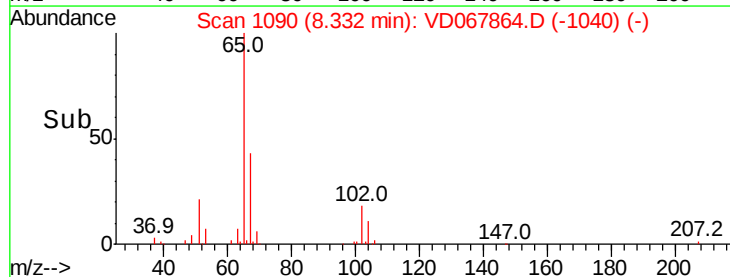
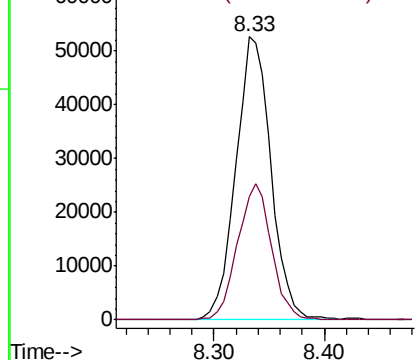
Ion Ratio Lower Upper

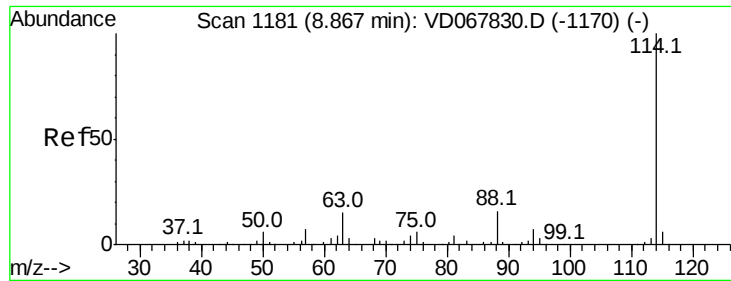
65 100

67 46.5 0.0 92.0



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: VD067864.D

Acq: 03 Dec 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

R-LA-35-1-WC

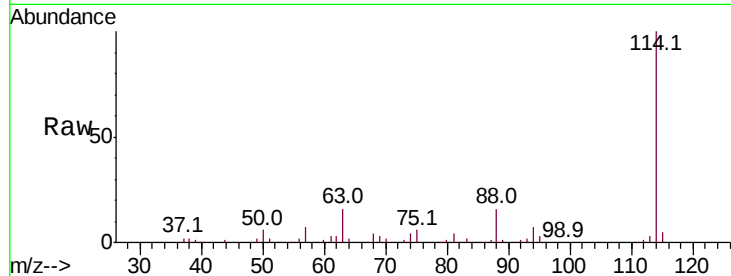
Tot Ion:114 Resp: 329279

Ion Ratio Lower Upper

114 100

63 16.3 0.0 30.8

88 15.7 0.0 31.8



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

8.87

200000

150000

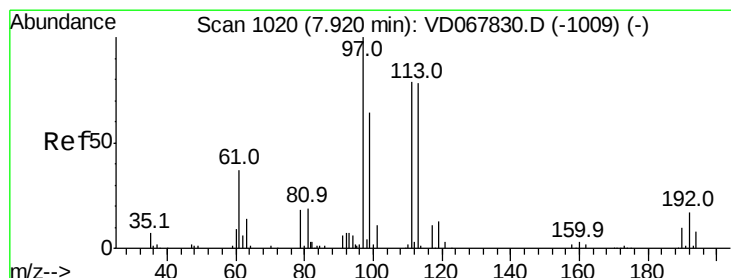
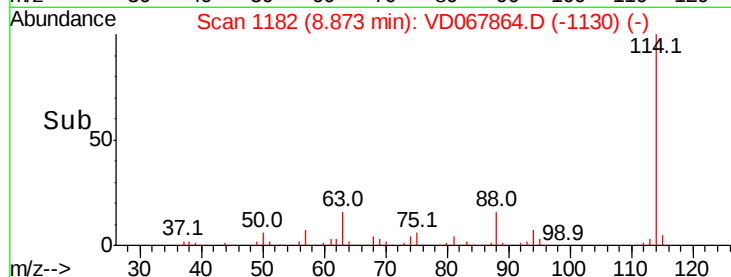
100000

50000

0

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 45.200 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067864.D

Acq: 03 Dec 2020 13:17

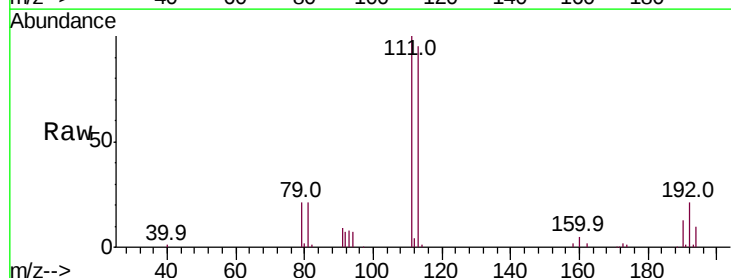
Tgt Ion:113 Resp: 99591

Ion Ratio Lower Upper

113 100

111 104.1 81.2 121.8

192 23.3 16.8 25.2



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

7.92

60000

50000

40000

30000

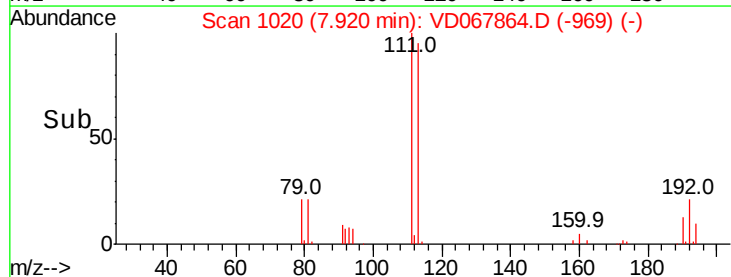
20000

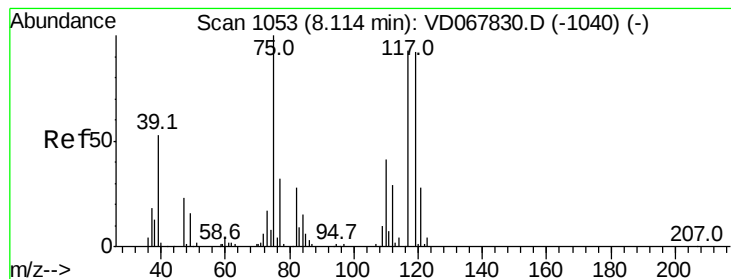
10000

0

7.80 7.85 7.90 7.95 8.00

Time-->





#36

1,1-Dichloropropene

Concen: 5.321 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067864.D

Acq: 03 Dec 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

R-LA-35-1-WC

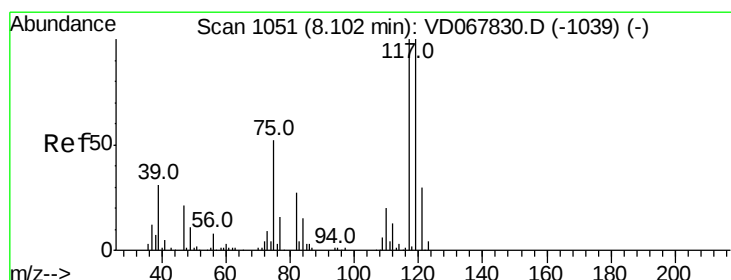
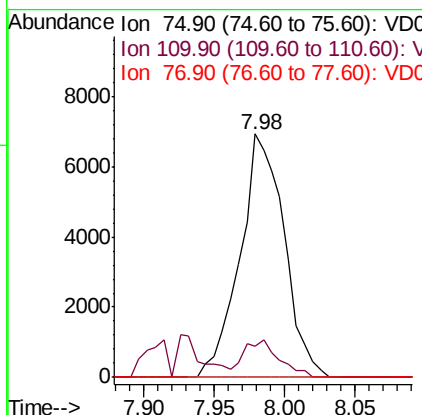
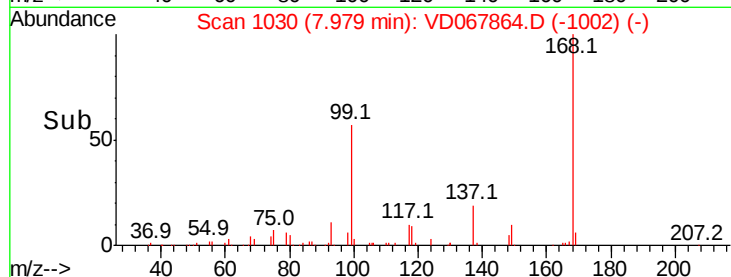
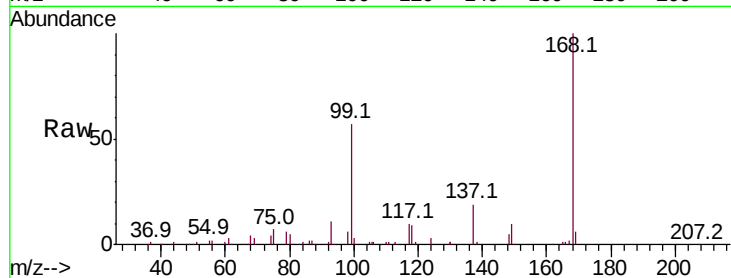
Tot Ion: 75 Resp: 15167

Ion Ratio Lower Upper

75 100

110 12.3 20.3 61.0#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.292 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067864.D

Acq: 03 Dec 2020 13:17

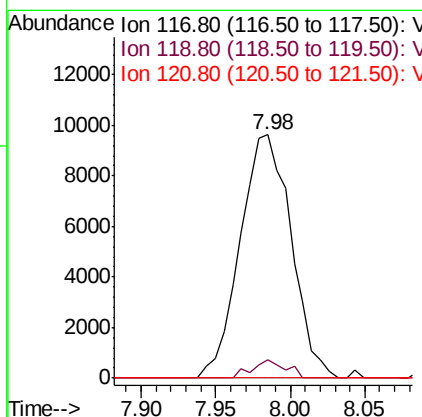
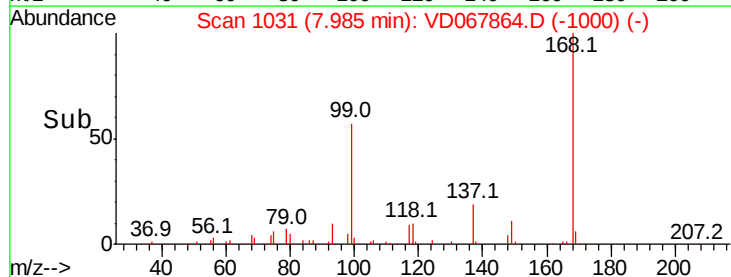
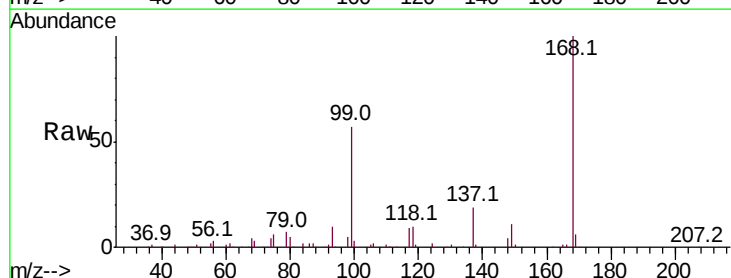
Tgt Ion: 117 Resp: 22826

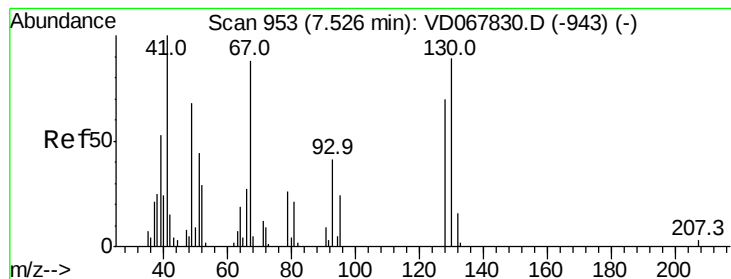
Ion Ratio Lower Upper

117 100

119 7.6 79.7 119.5#

121 0.0 23.8 35.6#





#41

Methacrylonitrile

Concen: Below Cal

RT: 7.56 min Scan# 959

Delta R.T. 0.04 min

Lab File: VD067864.D

Acq: 03 Dec 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

R-LA-35-1-WC

Tot Ion: 41 Resp: 93

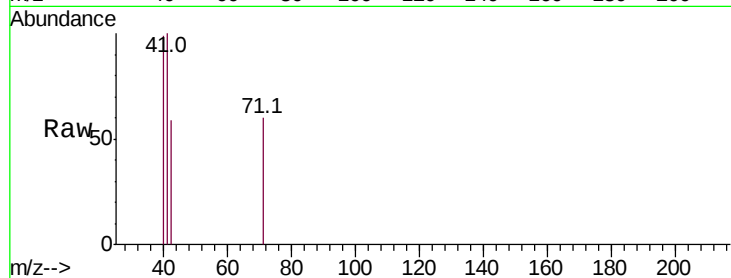
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

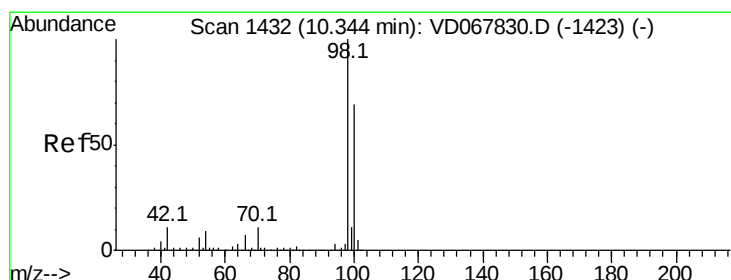
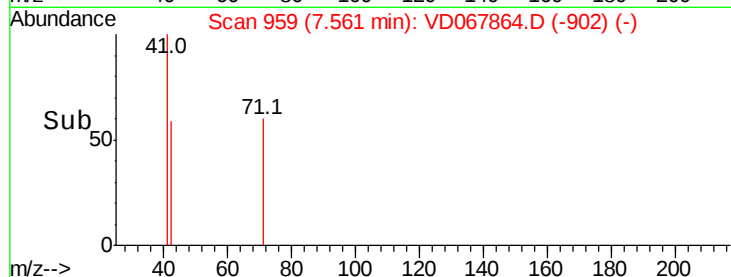
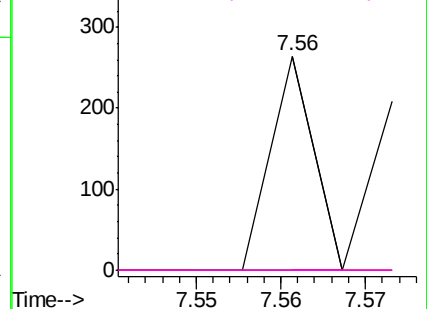


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: 47.436 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067864.D

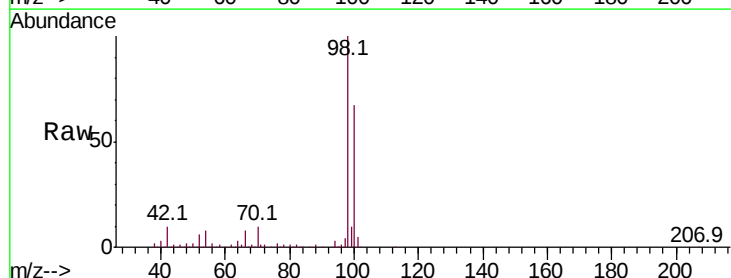
Acq: 03 Dec 2020 13:17

Tgt Ion: 98 Resp: 376246

Ion Ratio Lower Upper

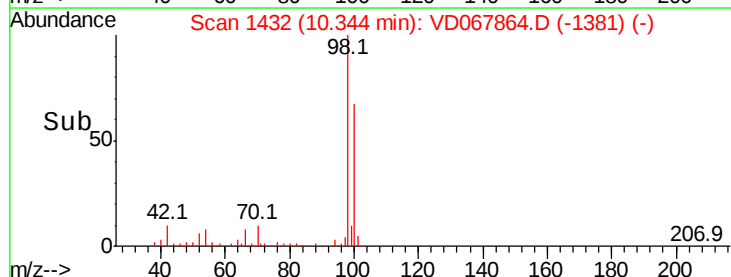
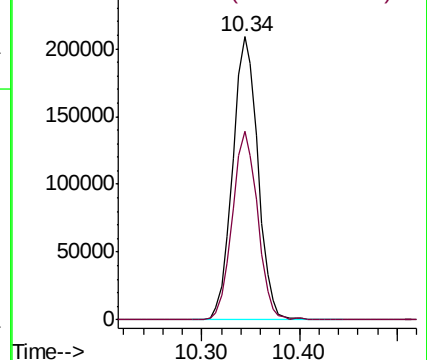
98 100

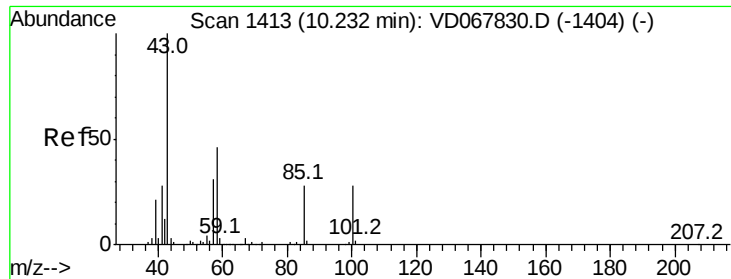
100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.995 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067864.D

Acq: 03 Dec 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

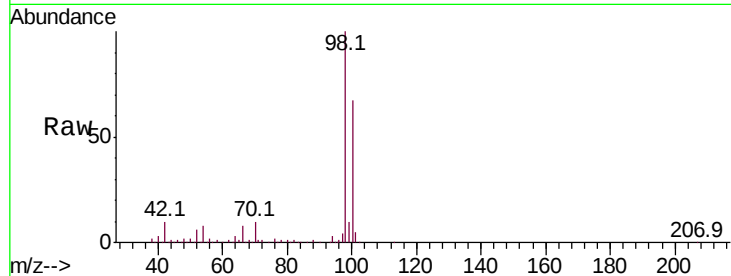
R-LA-35-1-WC

Tot Ion: 43 Resp: 1427

Ion Ratio Lower Upper

43 100

58 184.1 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

2000

1500

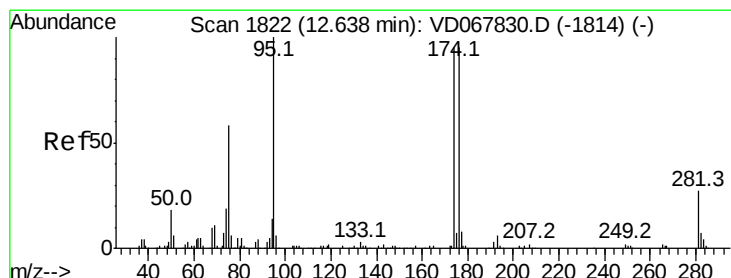
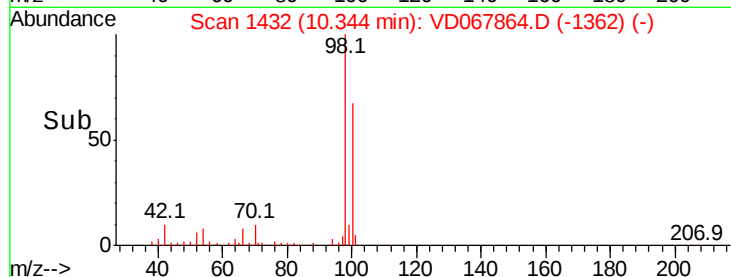
1000

500

0

Time-->

10.30 10.35



#62

4-Bromofluorobenzene

Concen: 44.307 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067864.D

Acq: 03 Dec 2020 13:17

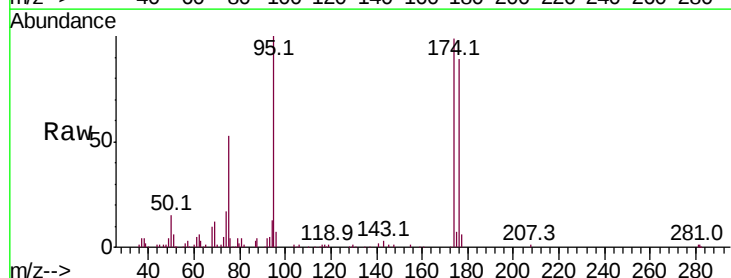
Tgt Ion: 95 Resp: 121499

Ion Ratio Lower Upper

95 100

174 97.6 0.0 186.0

176 91.2 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

100000

80000

60000

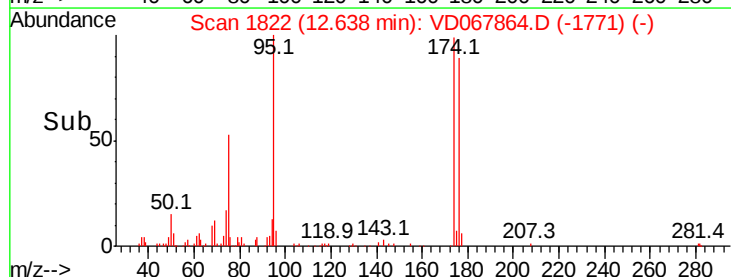
40000

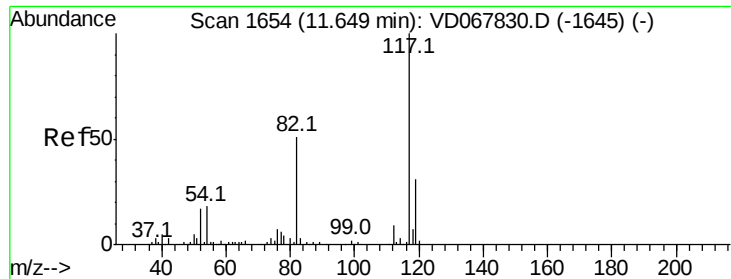
20000

0

Time-->

12.55 12.60 12.65 12.70

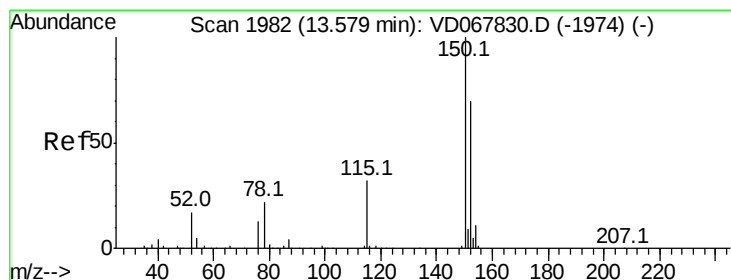
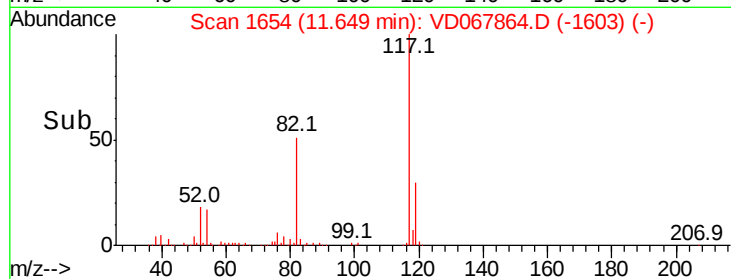
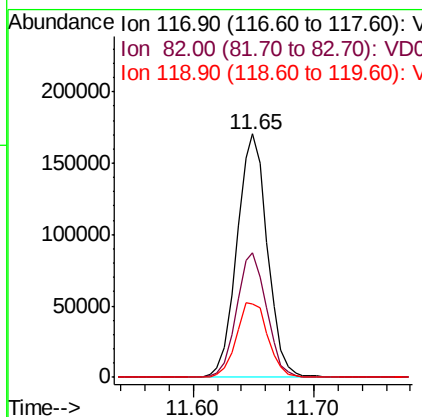
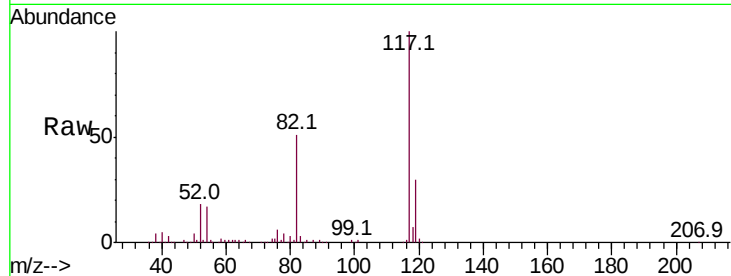




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067864.D
Acq: 03 Dec 2020 13:17

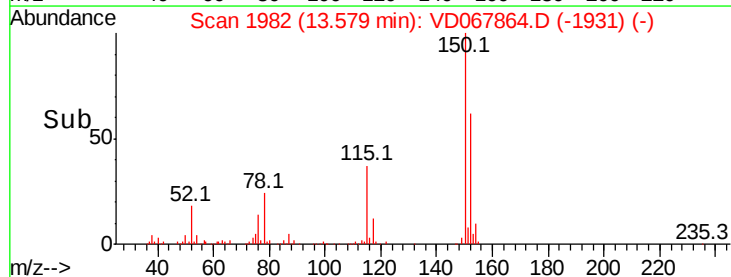
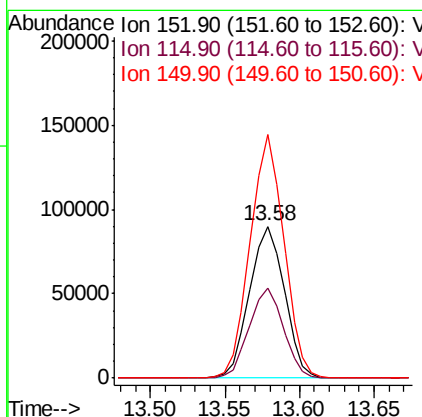
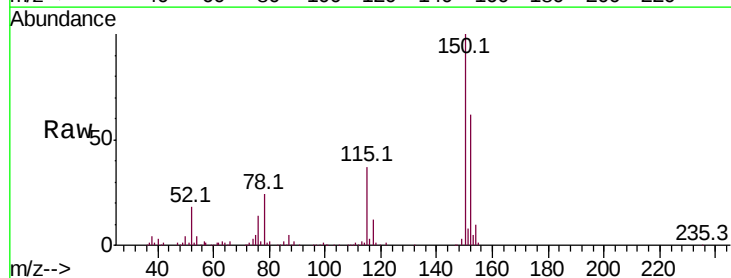
Instrument :
MSVOA_D
ClientSampleId :
R-LA-35-1-WC

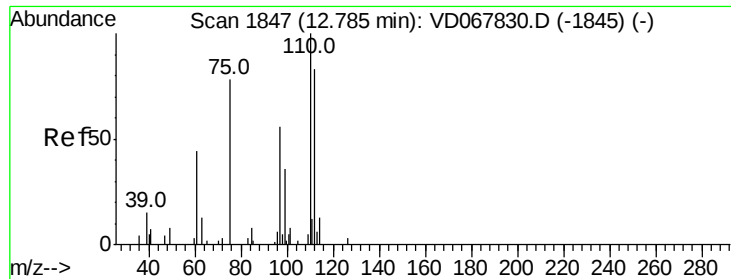
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	40.6	60.8
119	30.4	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067864.D
Acq: 03 Dec 2020 13:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.1	87.4
150	155.6	0.0	339.0





#76

1,2,3-Trichloropropane

Concen: 62.620 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067864.D

Acq: 03 Dec 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

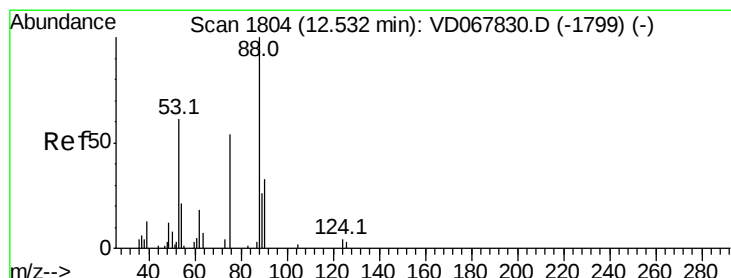
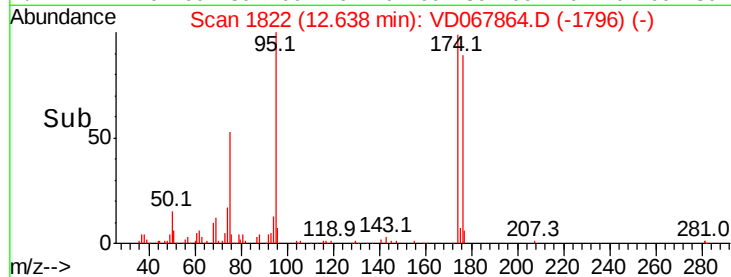
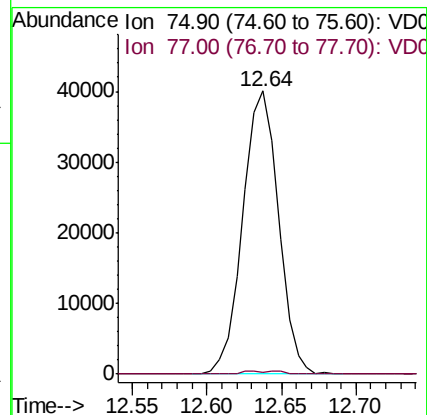
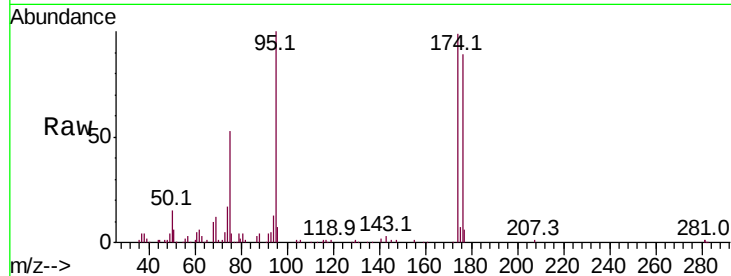
R-LA-35-1-WC

Tot Ion: 75 Resp: 66489

Ion Ratio Lower Upper

75 100

77 0.6 175.9 527.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.792 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067864.D

Acq: 03 Dec 2020 13:17

Tgt Ion: 75 Resp: 66489

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.0 41.0 61.6#

