

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067690.D
 Acq On : 18 Nov 2020 17:13
 Operator : VA/SY
 Sample : L4797-01
 Misc : 5.48G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-2-5-WC

Quant Time: Nov 19 00:28:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	272050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	421296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	449667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223521	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	130731	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
35) Dibromofluoromethane	7.93	113	132442	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
50) Toluene-d8	10.34	98	499924	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	
62) 4-Bromofluorobenzene	12.64	95	198502	64.46	ug/l	0.00
Spiked Amount			Recovery	=	128.92%	

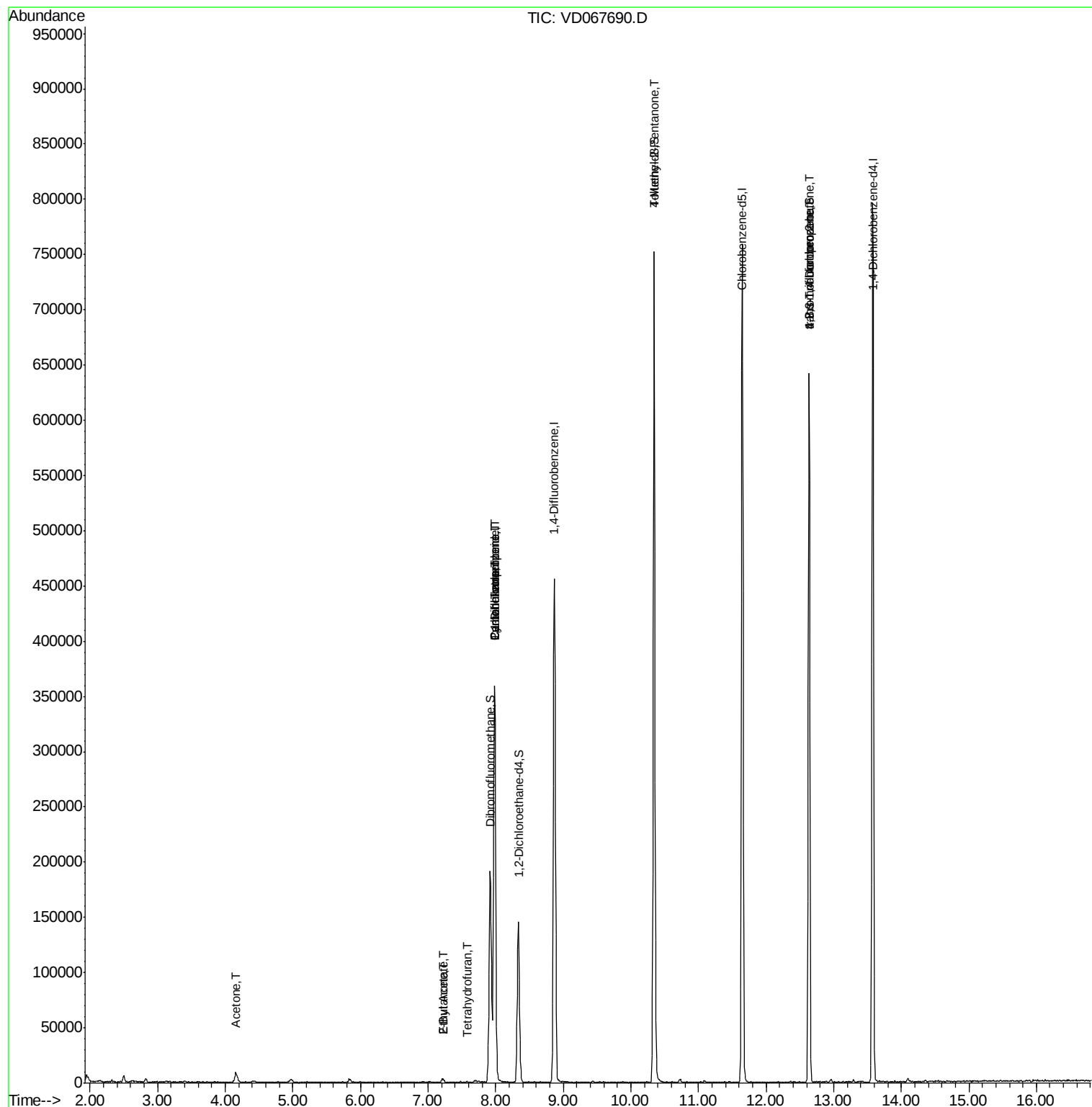
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	65	Below Cal	#	79
16) Acetone	4.16	43	15536	43.644	ug/l	95
25) 2-Butanone	7.22	43	4943	12.995	ug/l #	83
29) Tetrahydrofuran	7.58	42	240	1.053	ug/l #	49
31) Cyclohexane	7.98	56	5149	1.492	ug/l #	20
36) 1,1-Dichloropropene	7.98	75	19105	5.298	ug/l #	48
37) Ethyl Acetate	7.22	43	4943	5.280	ug/l #	63
38) Carbon Tetrachloride	7.98	117	29148	6.221	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2083	2.352	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	104097	77.200	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	104097	156.737	ug/l #	10

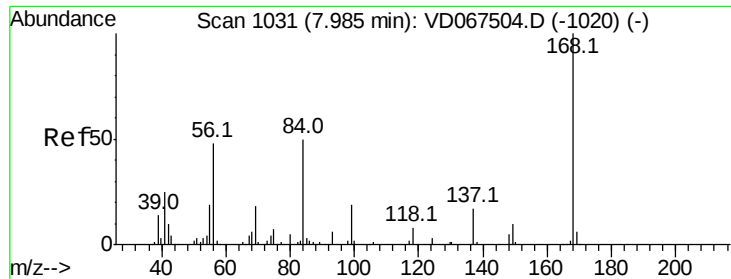
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111820\
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 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: VD067690.D

Acq: 18 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

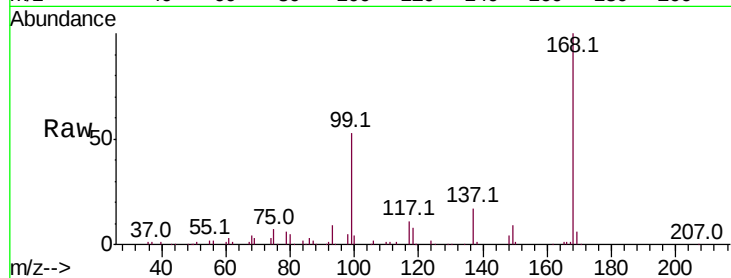
R-LA-2-5-WC

Tot Ion:168 Resp: 272050

Ion Ratio Lower Upper

168 100

99 52.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

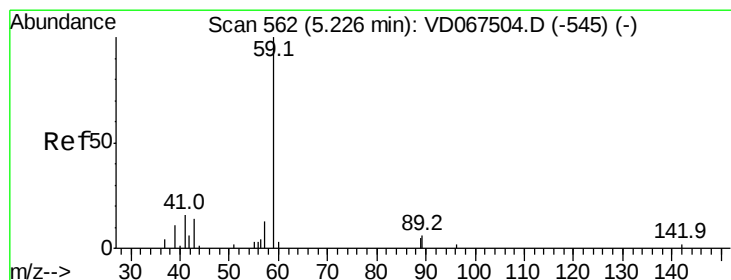
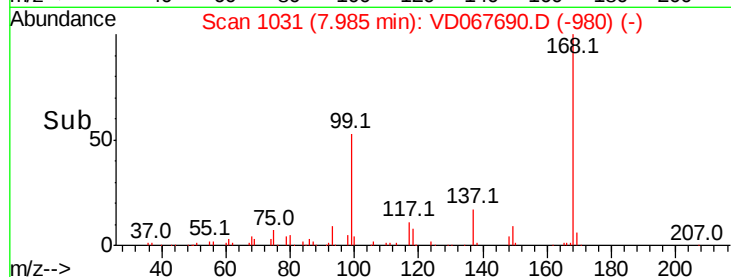
100000

50000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD067690.D

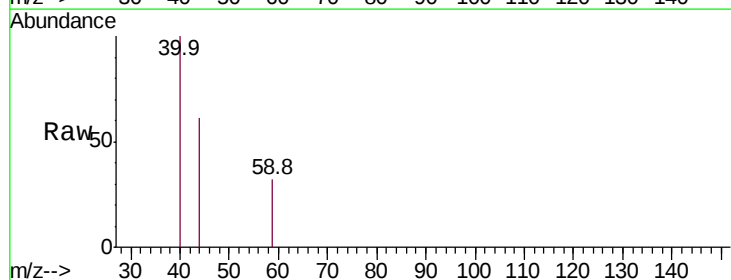
Acq: 18 Nov 2020 17:13

Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 0.0 5.9 8.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

200

150

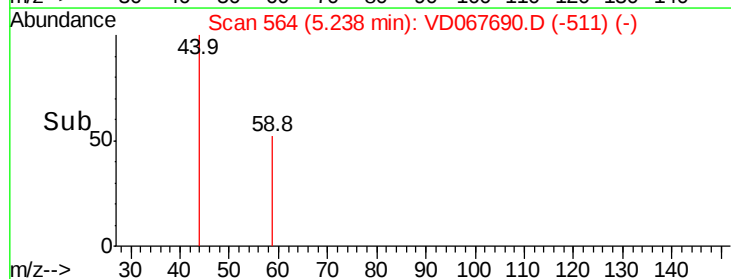
100

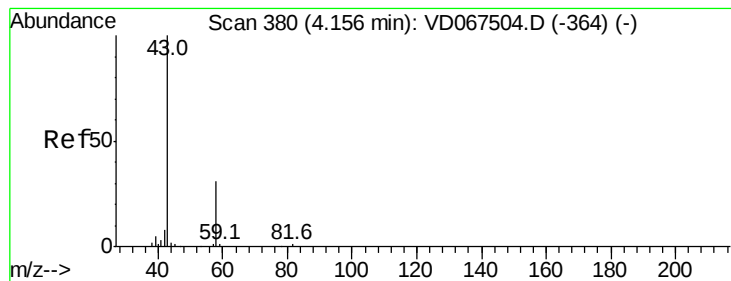
50

0

5.22 5.23 5.24 5.25

Time-->





#16

Acetone

Concen: 43.644 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067690.D

Acq: 18 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

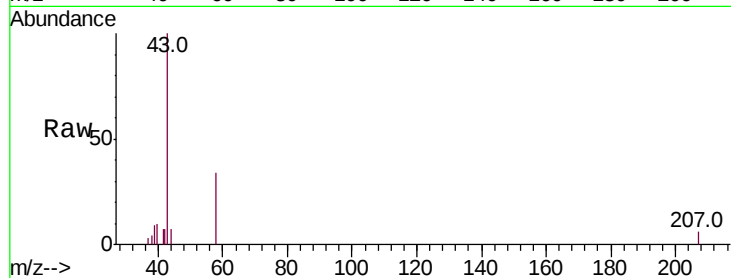
R-LA-2-5-WC

Tot Ion: 43 Resp: 15536

Ion Ratio Lower Upper

43 100

58 34.5 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

6000

5000

4000

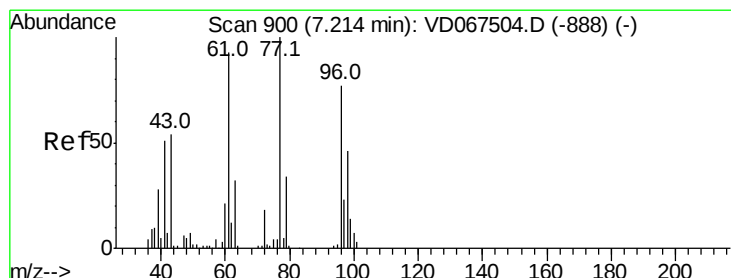
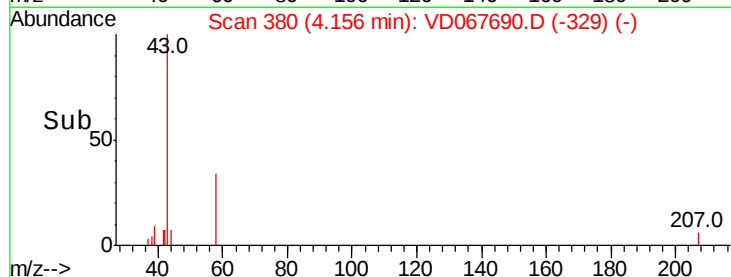
3000

2000

1000

0

Time-->



#25

2-Butanone

Concen: 12.995 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067690.D

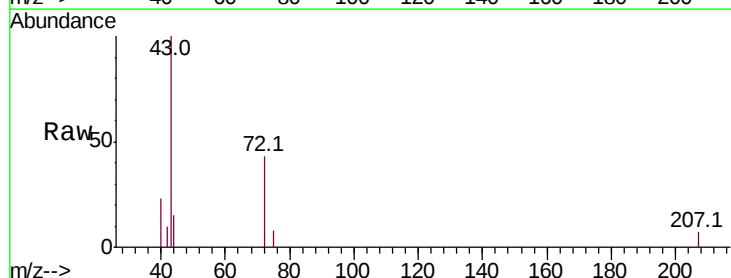
Acq: 18 Nov 2020 17:13

Tgt Ion: 43 Resp: 4943

Ion Ratio Lower Upper

43 100

72 42.6 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

2500

2000

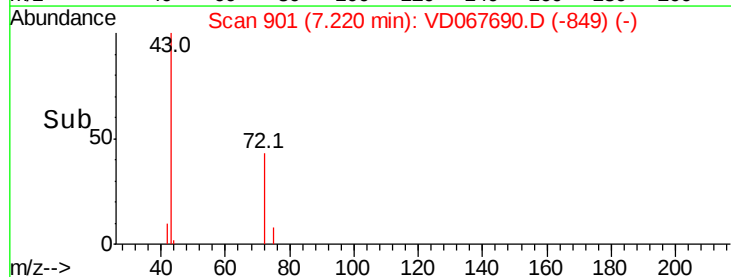
1500

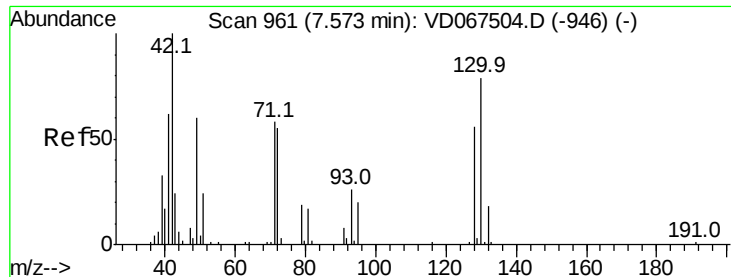
1000

500

0

Time-->





#29

Tetrahydrofuran

Concen: 1.053 ug/l

RT: 7.58 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD067690.D

Acq: 18 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

R-LA-2-5-WC

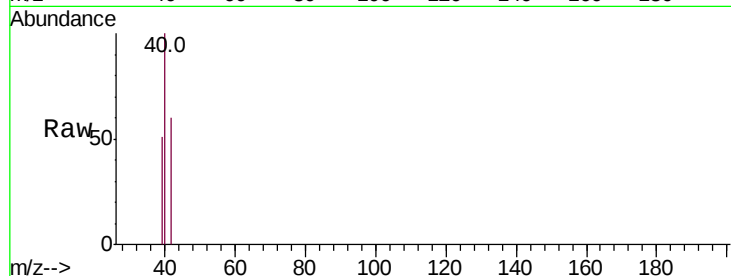
Tot Ion: 42 Resp: 240

Ion Ratio Lower Upper

42 100

72 37.9 46.3 69.5#

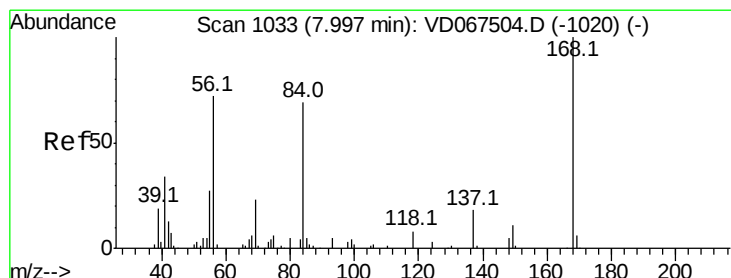
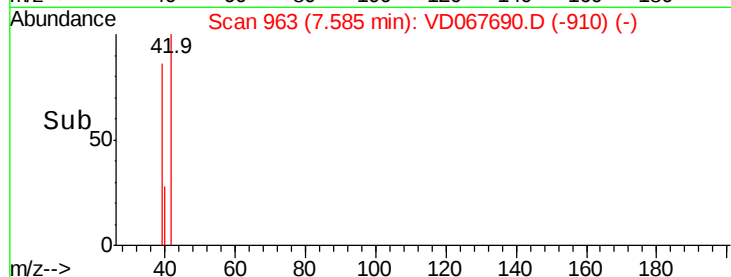
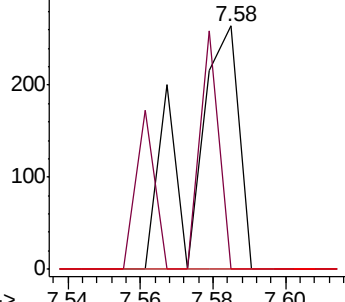
71 0.0 44.0 66.0#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.492 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067690.D

Acq: 18 Nov 2020 17:13

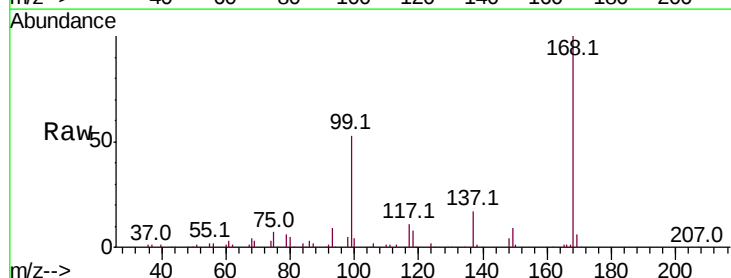
Tgt Ion: 56 Resp: 5149

Ion Ratio Lower Upper

56 100

69 180.3 25.9 38.9#

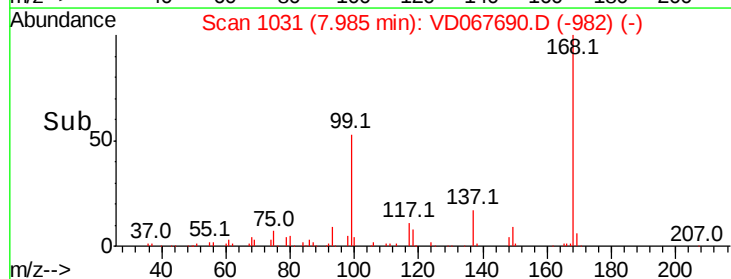
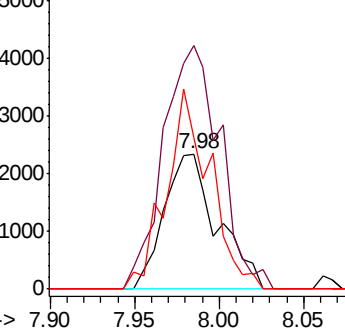
84 112.5 76.2 114.4

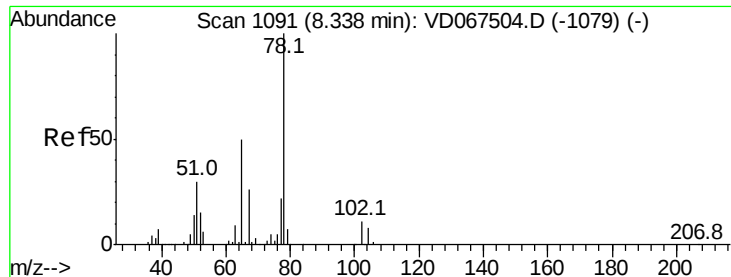


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

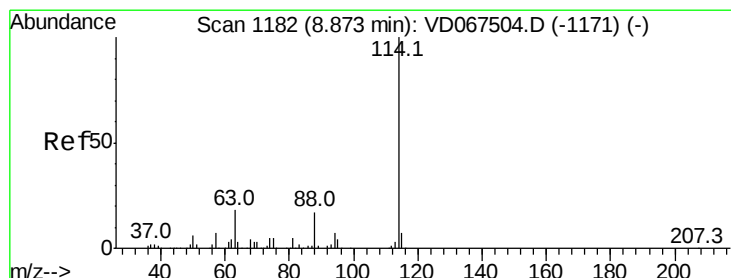
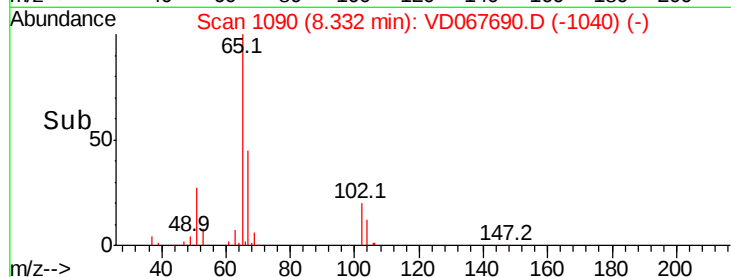
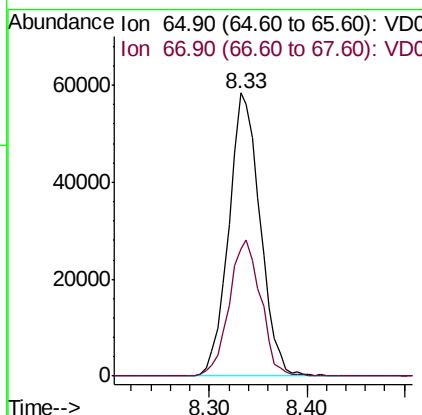
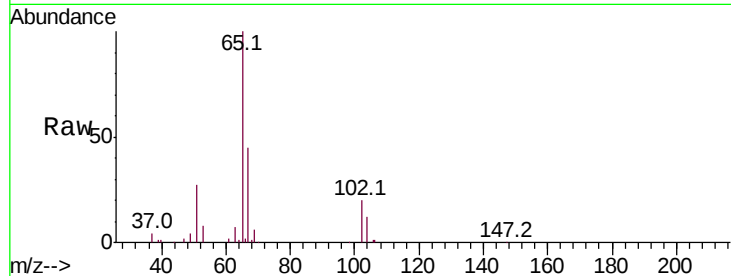




#33
 1,2-Dichloroethane-d4
 Concen: 54.957 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067690.D
 Acq: 18 Nov 2020 17:13

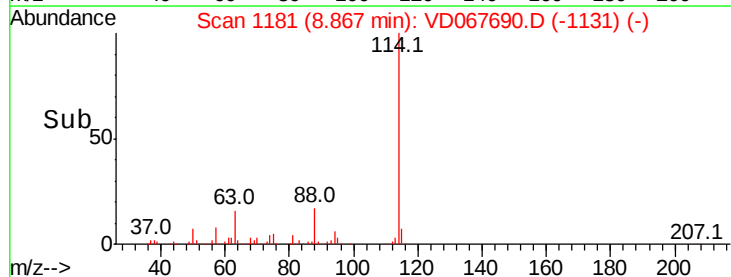
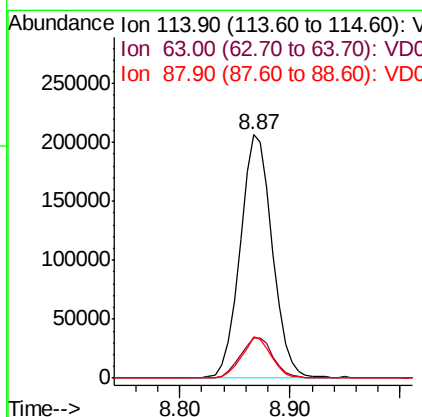
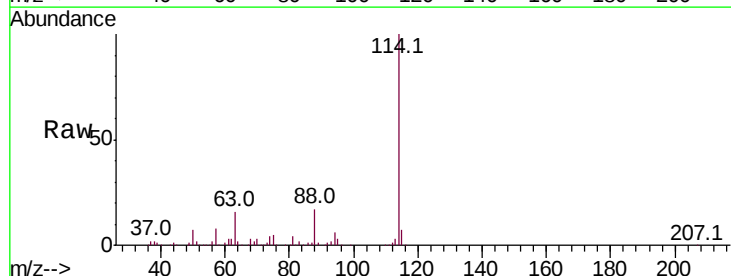
Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-2-5-WC

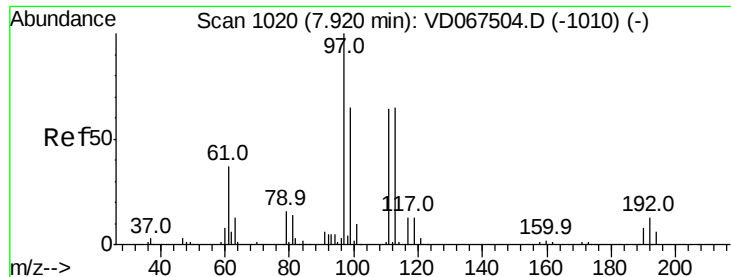
Tot Ion: 65 Resp: 130731
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067690.D
 Acq: 18 Nov 2020 17:13

Tgt Ion:114 Resp: 421296
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 35.0
 88 16.8 0.0 33.0

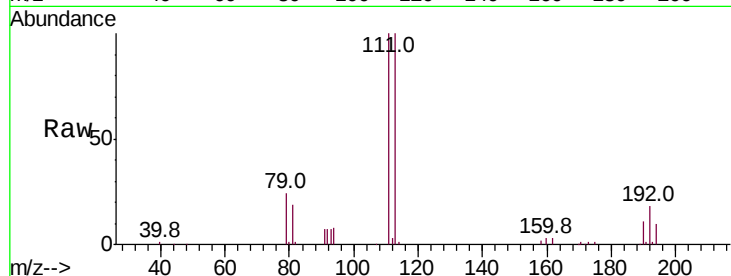




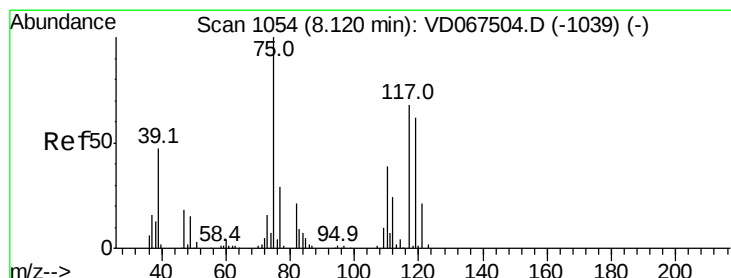
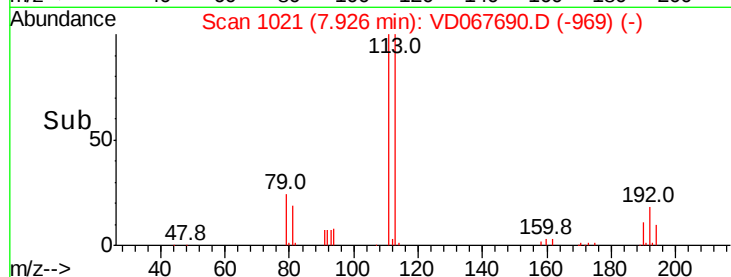
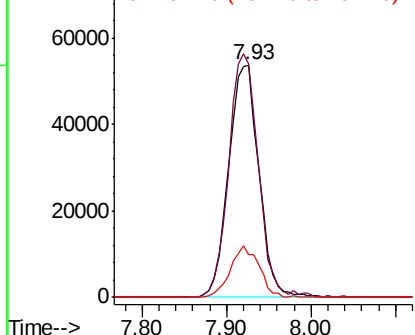
#35
 Dibromofluoromethane
 Concen: 52.178 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD067690.D
 Acq: 18 Nov 2020 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-2-5-WC

Tot Ion:113 Resp: 132442
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.0 120.0
 192 20.8 16.3 24.5

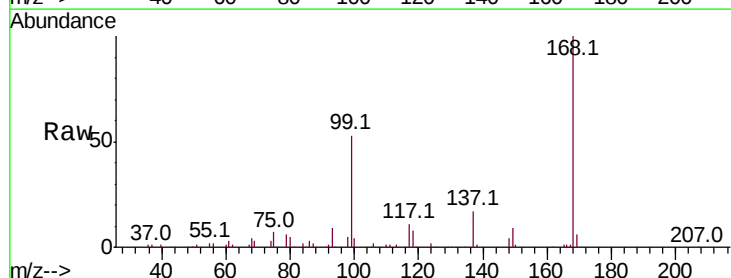


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

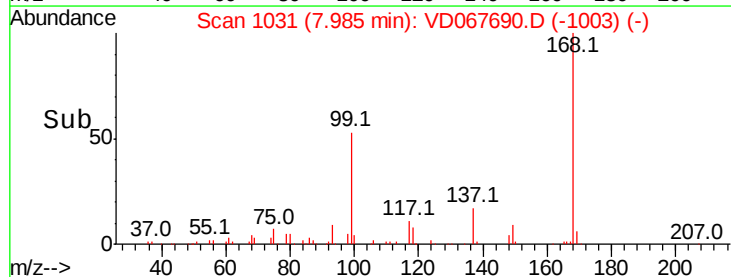
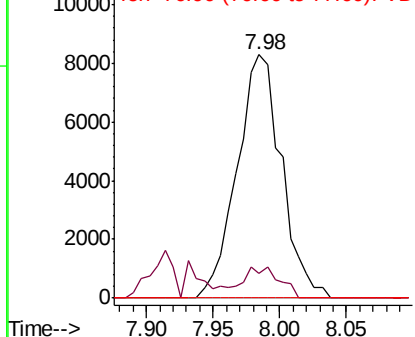


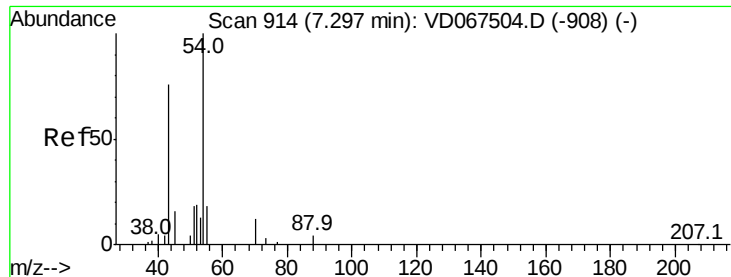
#36
 1,1-Dichloropropene
 Concen: 5.298 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067690.D
 Acq: 18 Nov 2020 17:13

Tgt Ion: 75 Resp: 19105
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.9 59.7#
 77 0.0 24.8 37.2#



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





#37

Ethyl Acetate

Concen: 5.280 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.08 min

Lab File: VD067690.D

Acq: 18 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampled :

R-LA-2-5-WC

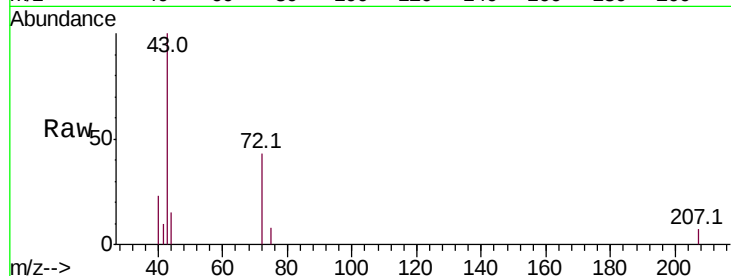
Tot Ion: 43 Resp: 4943

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

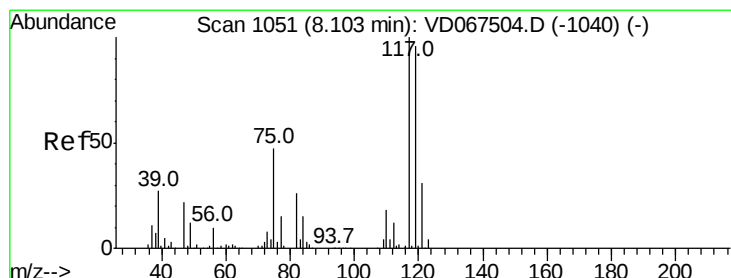
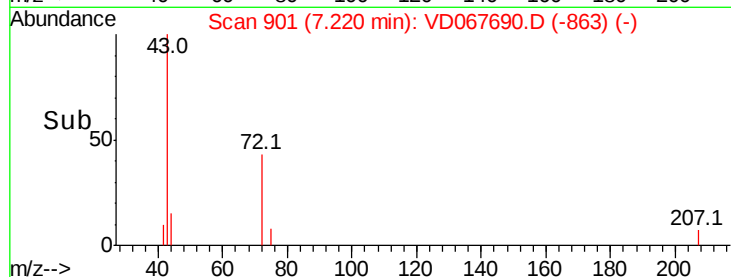
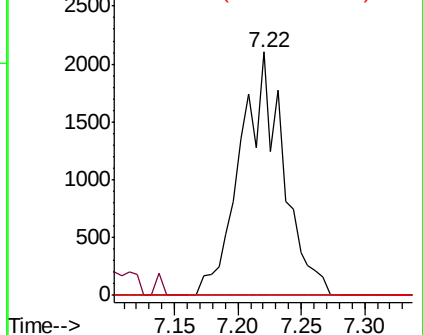
70 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.221 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067690.D

Acq: 18 Nov 2020 17:13

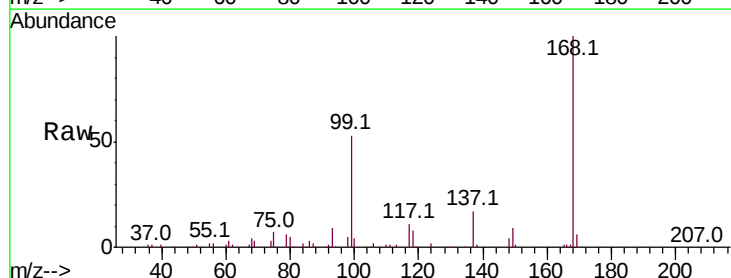
Tgt Ion: 117 Resp: 29148

Ion Ratio Lower Upper

117 100

119 5.6 76.9 115.3#

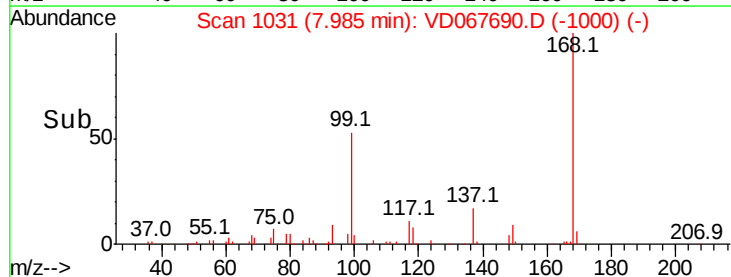
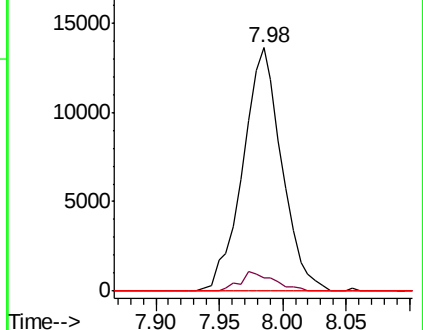
121 0.0 24.5 36.7#

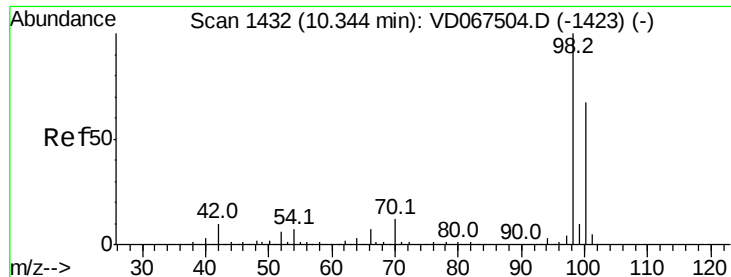


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

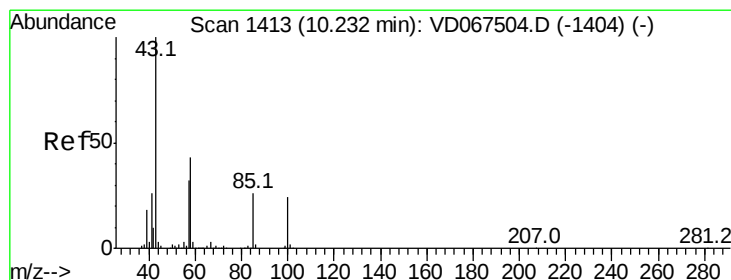
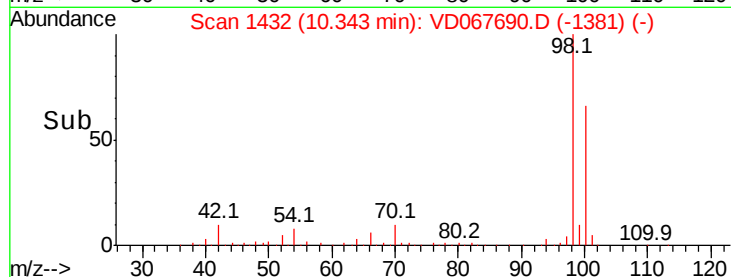
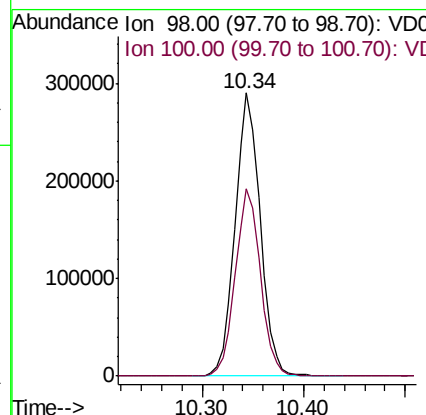
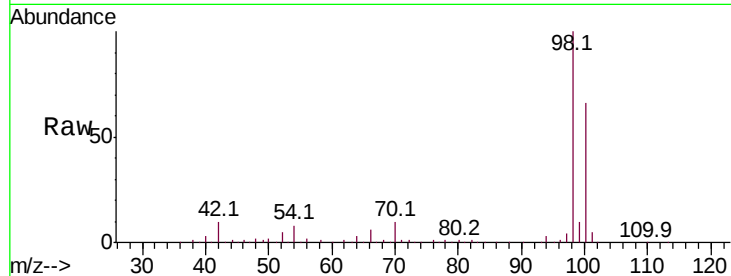




#50
Toluene-d8
Concen: 56.044 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067690.D
Acq: 18 Nov 2020 17:13

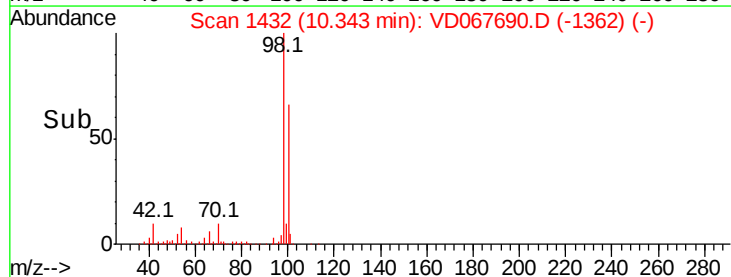
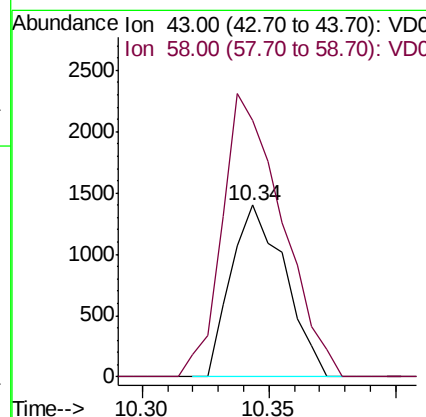
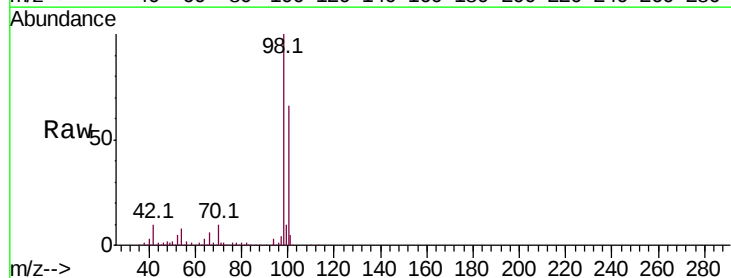
Instrument :
MSVOA_D
ClientSampleId :
R-LA-2-5-WC

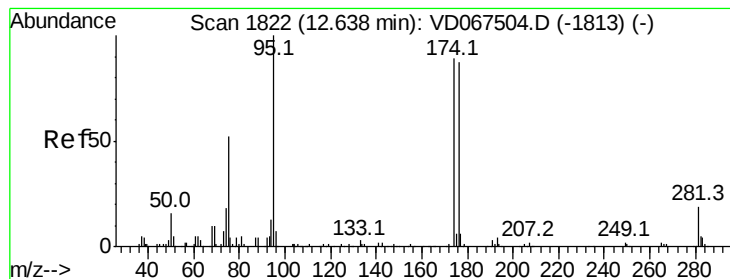
Tot Ion: 98 Resp: 499924
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.352 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067690.D
Acq: 18 Nov 2020 17:13

Tgt Ion: 43 Resp: 2083
Ion Ratio Lower Upper
43 100
58 182.9 35.6 53.4#





#62

4-Bromofluorobenzene

Concen: 64.456 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067690.D

Acq: 18 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

R-LA-2-5-WC

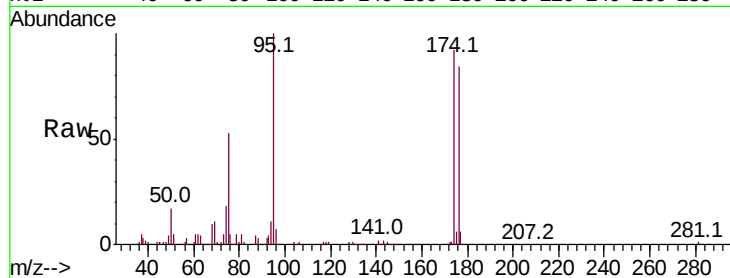
Tot Ion: 95 Resp: 198502

Ion Ratio Lower Upper

95 100

174 90.9 0.0 177.8

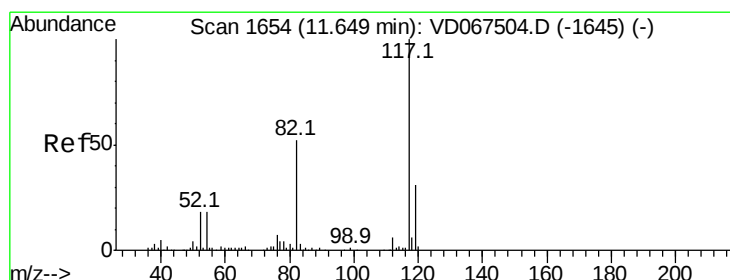
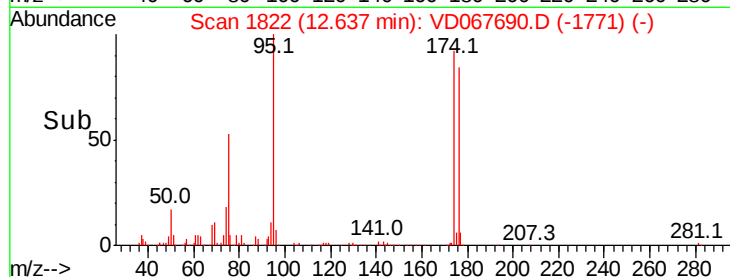
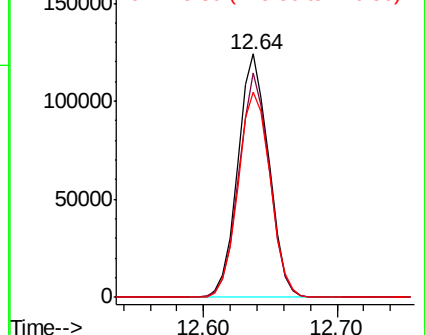
176 87.8 0.0 172.0



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: VD067690.D

Acq: 18 Nov 2020 17:13

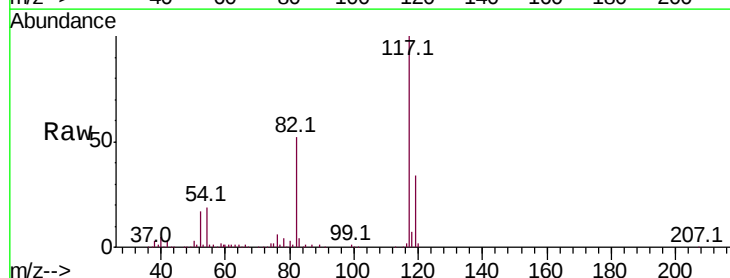
Tgt Ion: 117 Resp: 449667

Ion Ratio Lower Upper

117 100

82 52.4 41.6 62.4

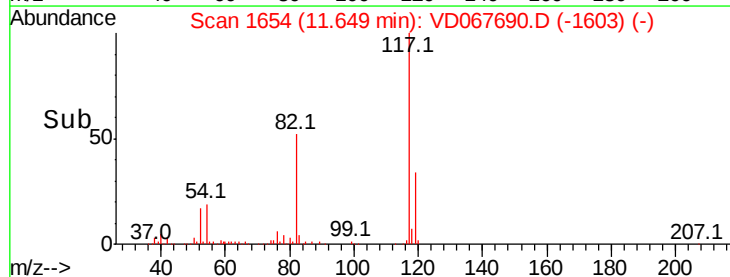
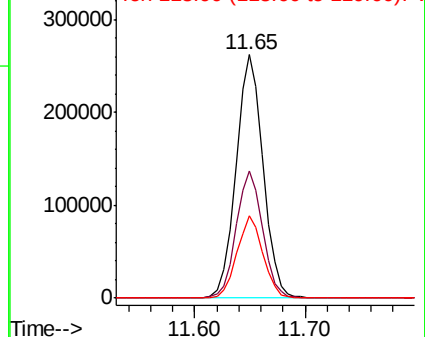
119 33.6 25.1 37.7

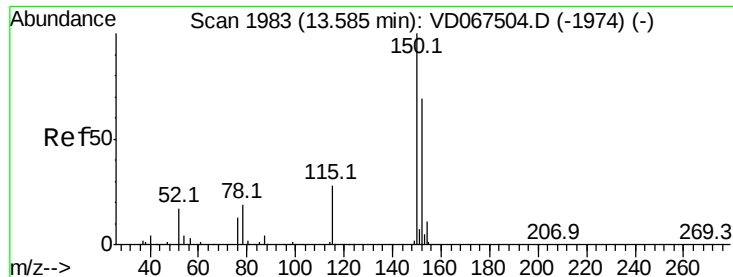


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067690.D

Acq: 18 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

R-LA-2-5-WC

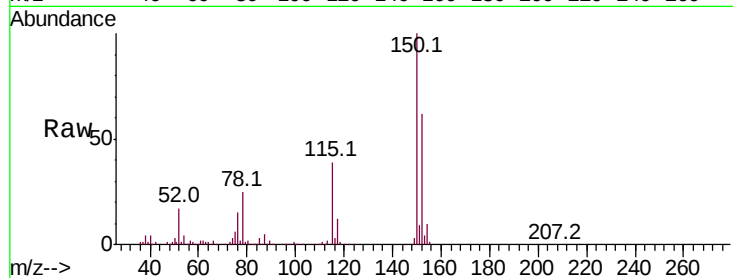
Tot Ion:152 Resp: 223521

Ion Ratio Lower Upper

152 100

115 59.7 29.3 88.0

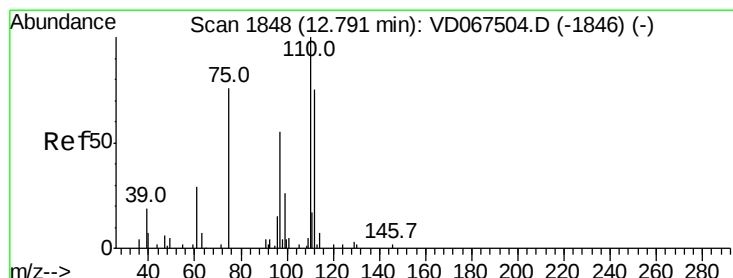
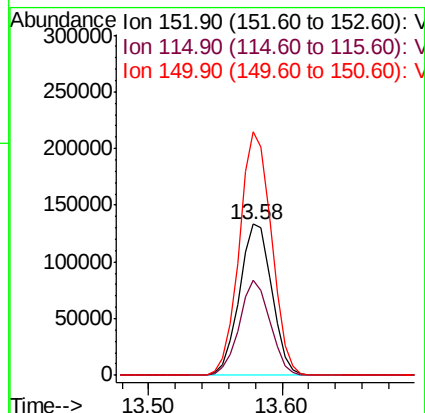
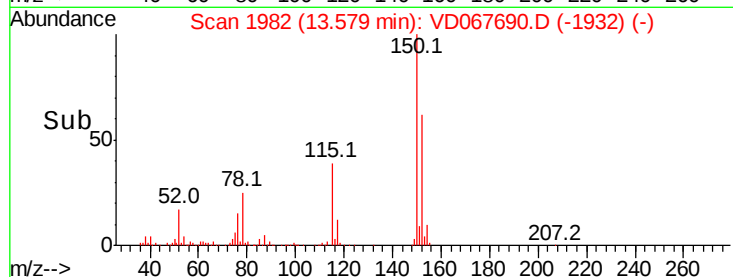
150 159.1 0.0 338.2



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: 77.200 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067690.D

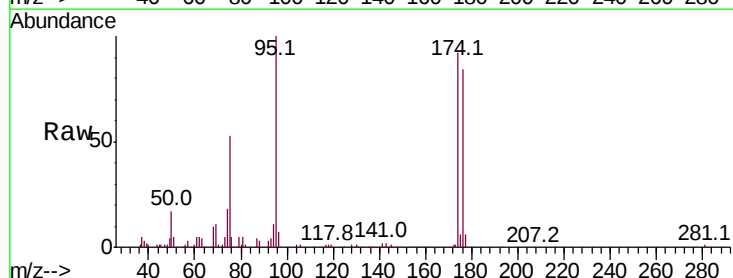
Acq: 18 Nov 2020 17:13

Tgt Ion: 75 Resp: 104097

Ion Ratio Lower Upper

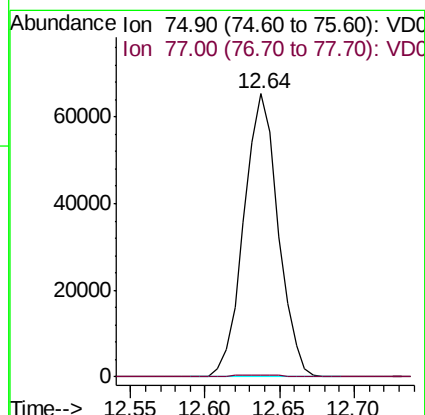
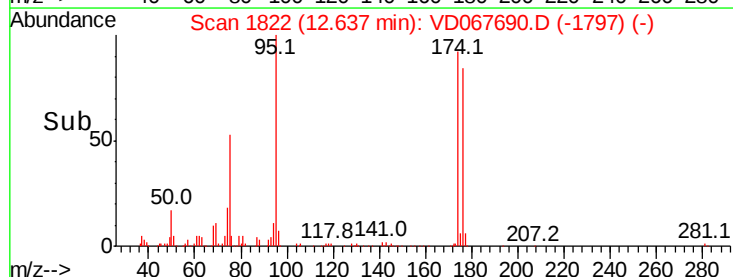
75 100

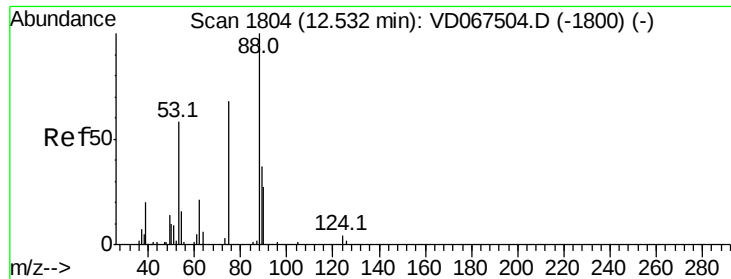
77 0.9 0.0 0.0#



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: 156.737 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067690.D

Acq: 18 Nov 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

R-LA-2-5-WC

Tot Ion: 75 Resp: 104097

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.1 44.6 67.0#

