

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112520\
 Data File : VD067788.D
 Acq On : 25 Nov 2020 15:43
 Operator : VA/SY
 Sample : L4894-01
 Misc : 4.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-36-4-WC

Quant Time: Nov 26 00:25:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	313572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	475367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	512947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281519	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	150509	49.36	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.72%
35) Dibromofluoromethane	7.92	113	145838	48.21	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.42%
50) Toluene-d8	10.34	98	550510	49.77	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.54%
62) 4-Bromofluorobenzene	12.64	95	233284	61.71	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	123.42%

Target Compounds

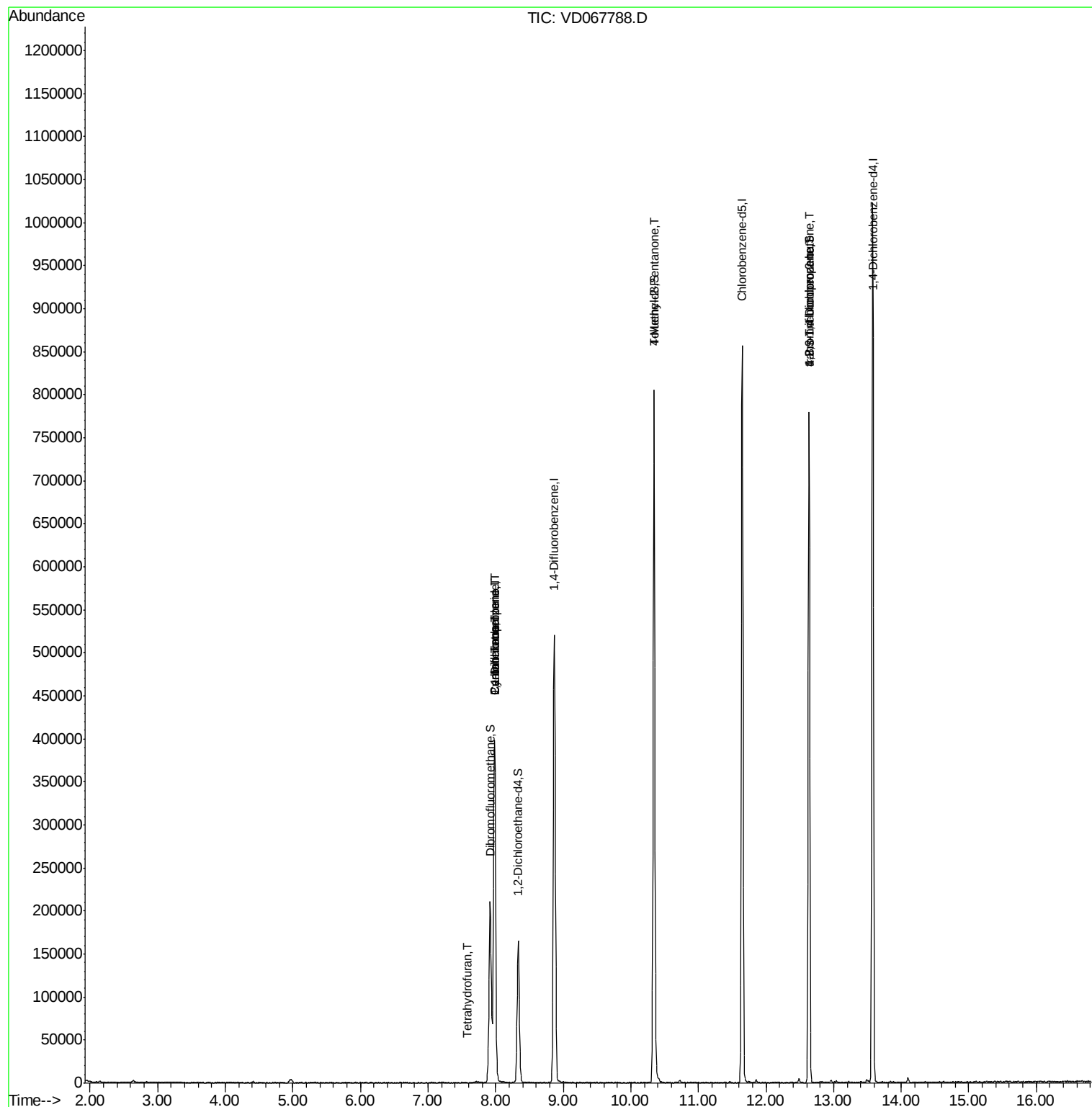
					Qvalue	
11) Tert butyl alcohol	5.20	59	54	Below Cal	#	87
20) Methylene Chloride	4.97	84	2261	Below Cal	#	86
29) Tetrahydrofuran	7.58	42	284	1.130	ug/l #	34
31) Cyclohexane	7.98	56	6432	1.744	ug/l #	45
36) 1,1-Dichloropropene	7.98	75	22402	5.492	ug/l #	50
38) Carbon Tetrachloride	7.98	117	32673	5.526	ug/l #	16
51) 4-Methyl-2-Pentanone	10.35	43	2390	2.319	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	127755	65.113	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127755	152.294	ug/l #	11

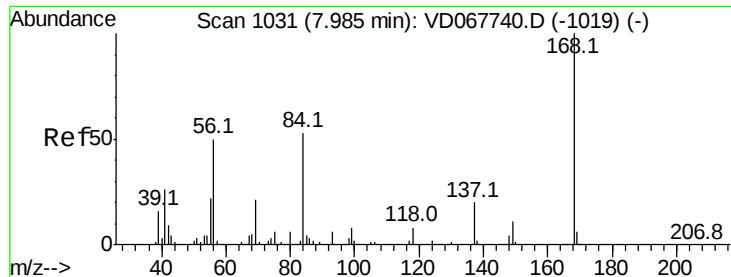
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 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: VD067788.D

Acq: 25 Nov 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

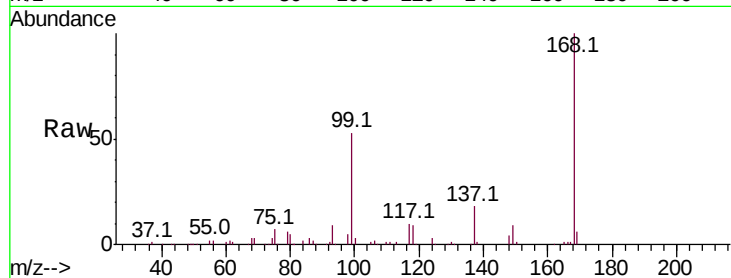
R-LA-36-4-WC

Tot Ion:168 Resp: 313572

Ion Ratio Lower Upper

168 100

99 52.5 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

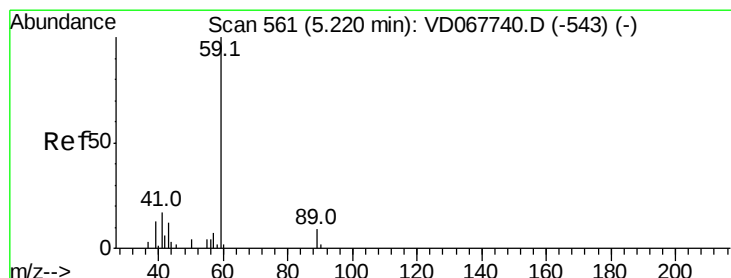
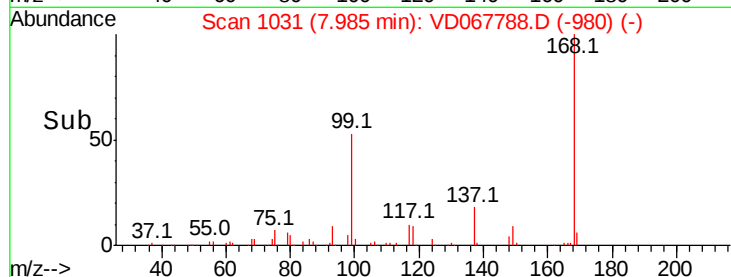
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD067788.D

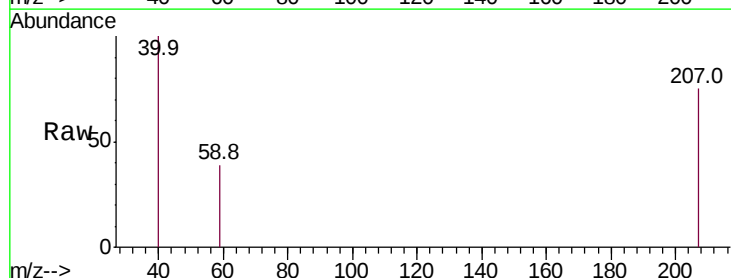
Acq: 25 Nov 2020 15:43

Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

57 0.0 3.4 5.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.20

150

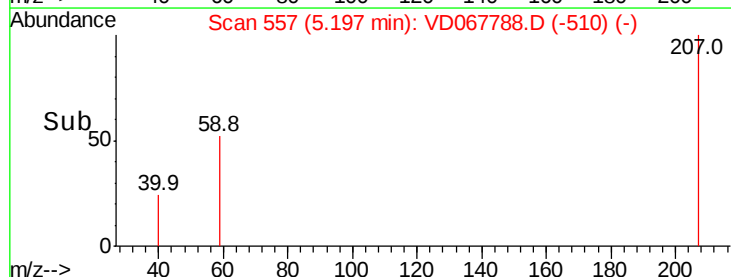
100

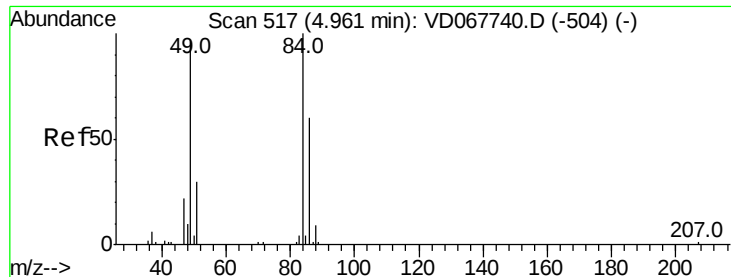
50

0

Time-->

5.18 5.19 5.20 5.21

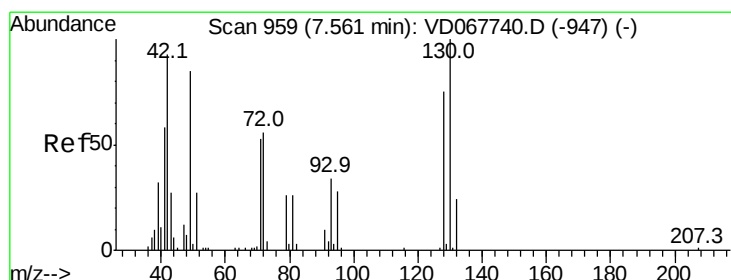
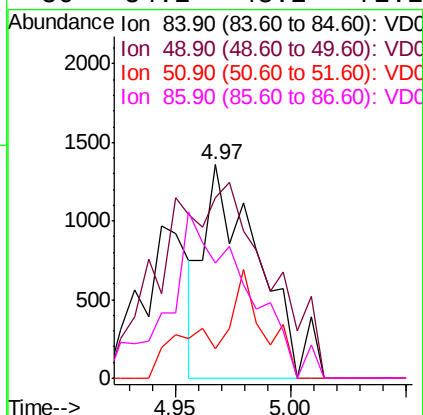
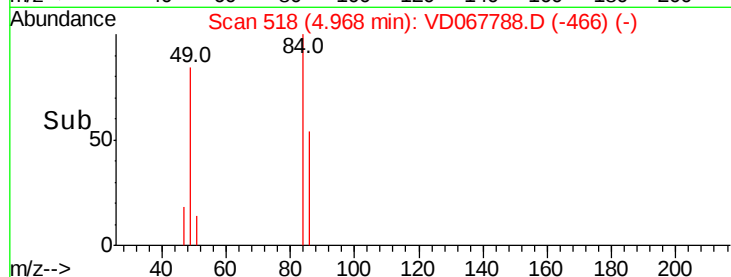
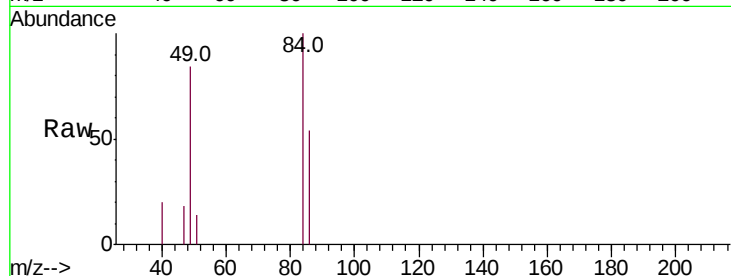




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067788.D
Acq: 25 Nov 2020 15:43

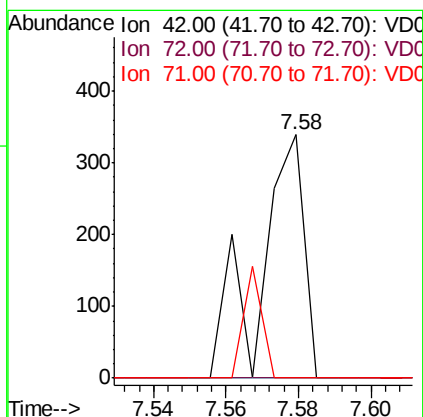
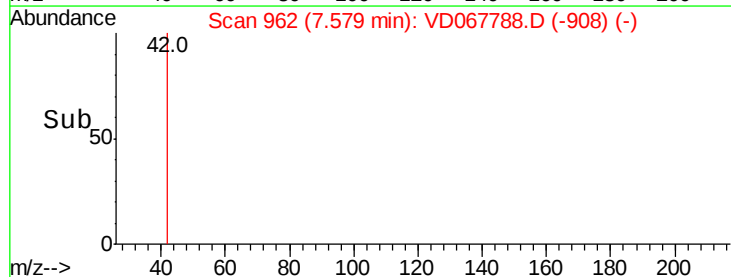
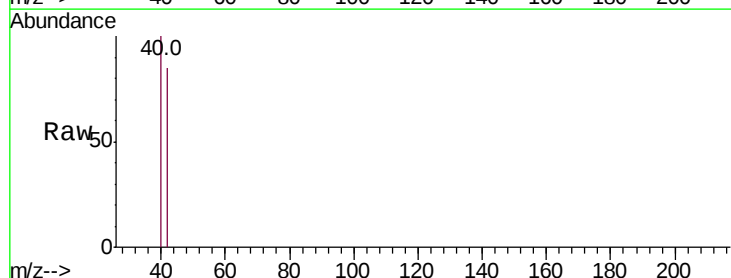
Instrument :
MSVOA_D
ClientSampleId :
R-LA-36-4-WC

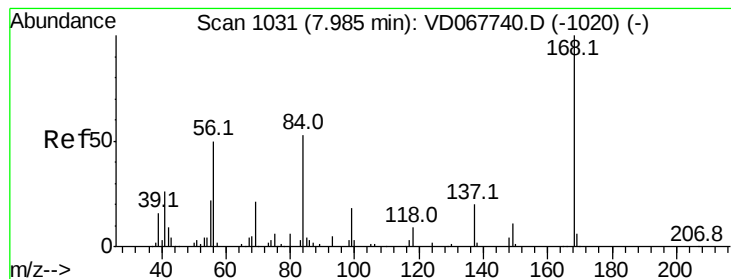
Tot Ion: 84 Resp: 2261
Ion Ratio Lower Upper
84 100
49 84.3 77.4 116.2
51 13.8 24.1 36.1#
86 54.2 48.2 72.2



#29
Tetrahydrofuran
Concen: 1.130 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.02 min
Lab File: VD067788.D
Acq: 25 Nov 2020 15:43

Tgt Ion: 42 Resp: 284
Ion Ratio Lower Upper
42 100
72 0.0 49.3 73.9#
71 19.4 45.9 68.9#





#31

Cyclohexane

Concen: 1.744 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067788.D

Acq: 25 Nov 2020 15:43

Instrument :

MSVOA_D

ClientSampleID :

R-LA-36-4-WC

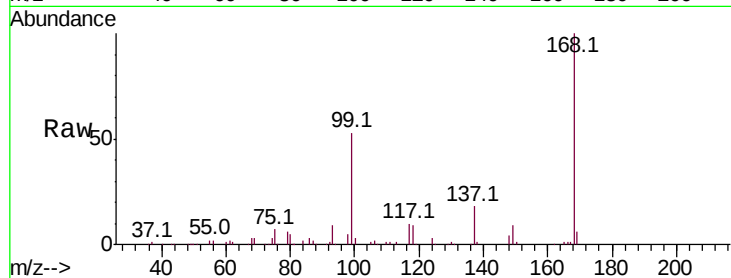
Tot Ion: 56 Resp: 6432

Ion Ratio Lower Upper

56 100

69 151.1 33.2 49.8#

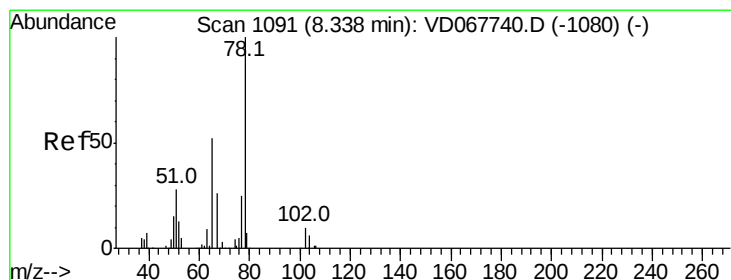
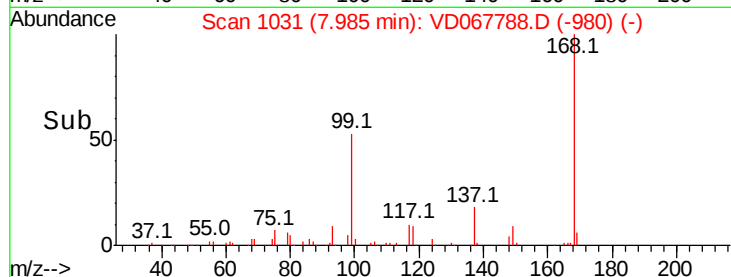
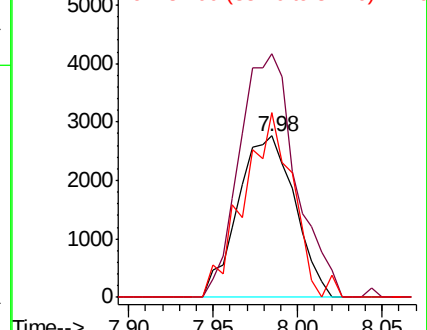
84 114.3 84.8 127.2



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: 49.365 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067788.D

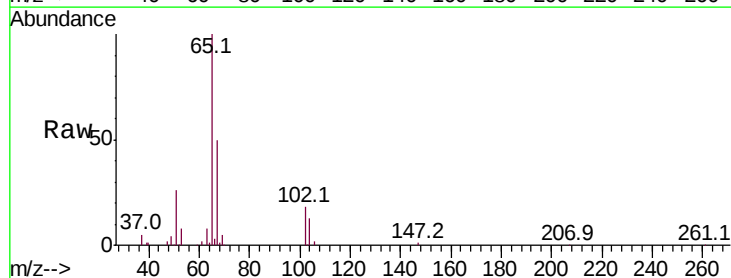
Acq: 25 Nov 2020 15:43

Tgt Ion: 65 Resp: 150509

Ion Ratio Lower Upper

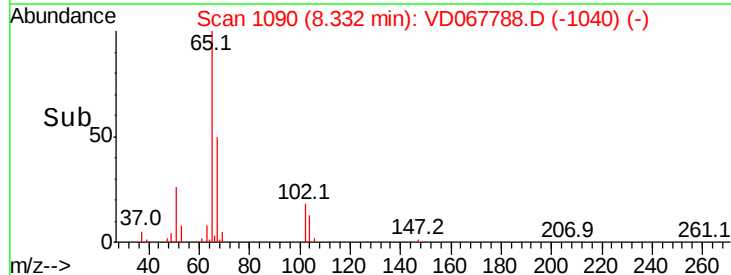
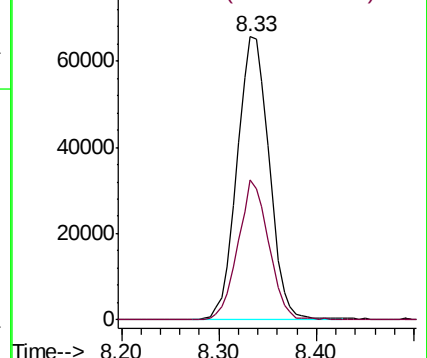
65 100

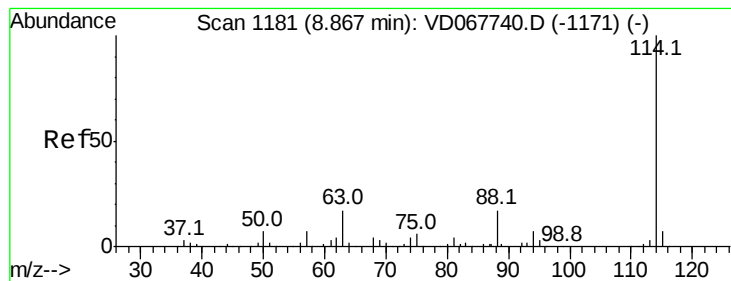
67 47.6 0.0 101.0



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# 1181

Delta R.T. 0.00 min

Lab File: VD067788.D

Acq: 25 Nov 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

R-LA-36-4-WC

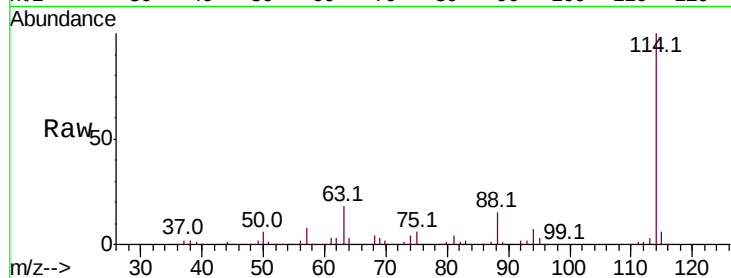
Tot Ion:114 Resp: 475367

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.8

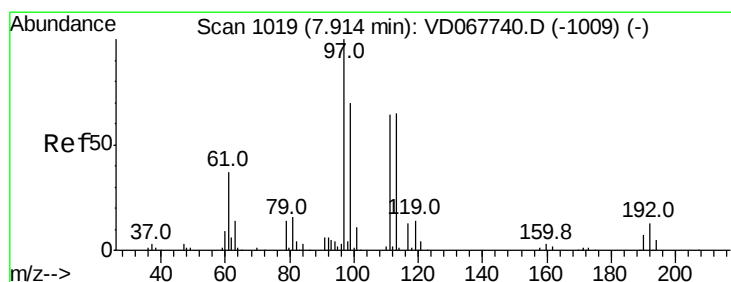
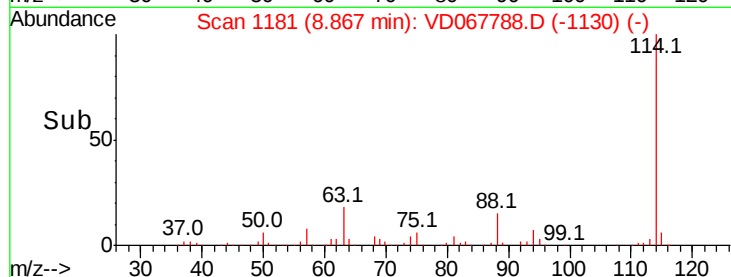
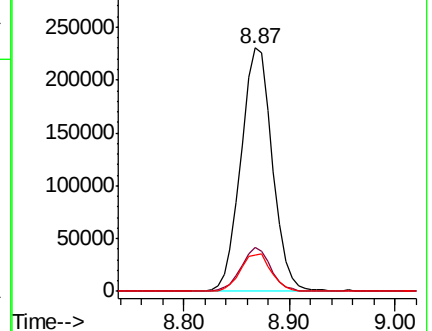
88 14.7 0.0 34.4



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: 48.207 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067788.D

Acq: 25 Nov 2020 15:43

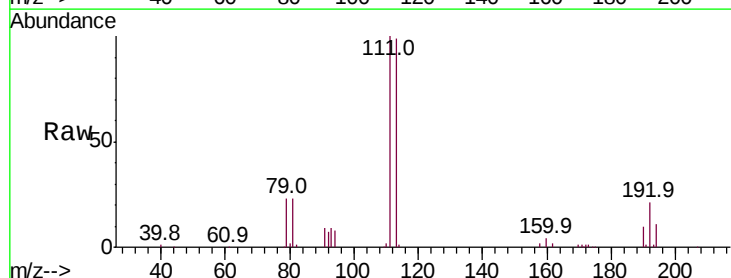
Tgt Ion:113 Resp: 145838

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

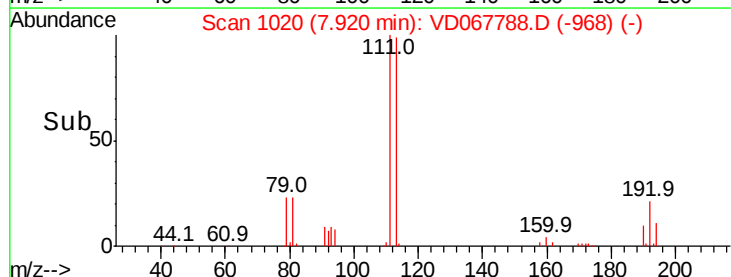
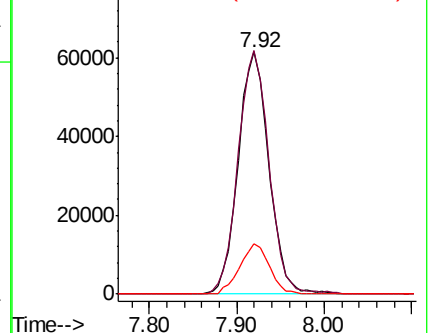
192 19.8 17.0 25.4

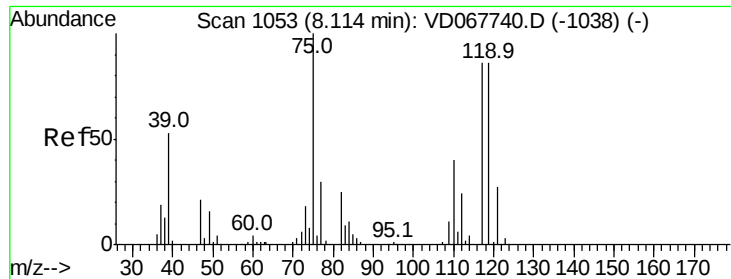


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

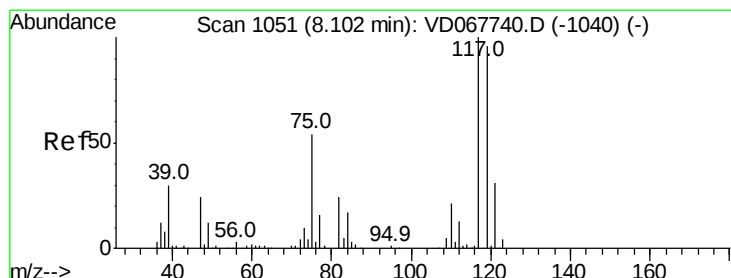
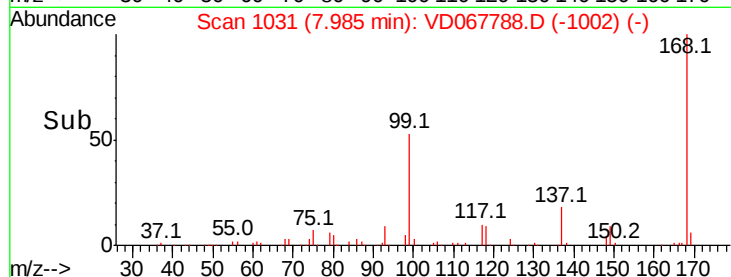
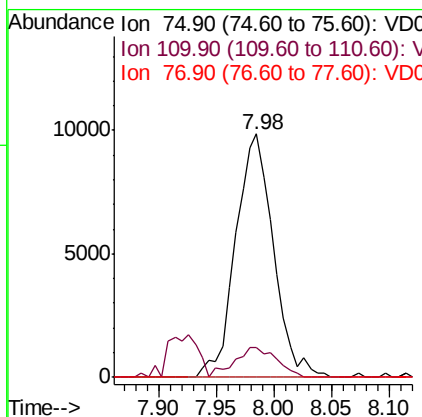
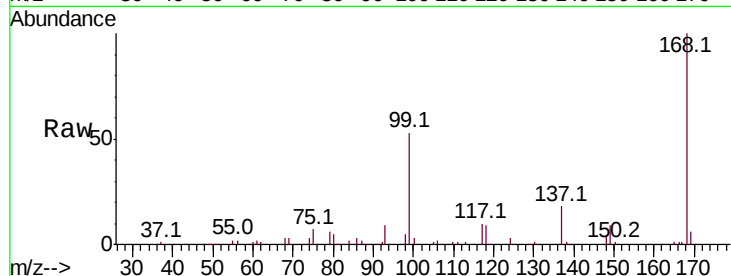




#36
 1,1-Dichloropropene
 Concen: 5.492 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067788.D
 Acq: 25 Nov 2020 15:43

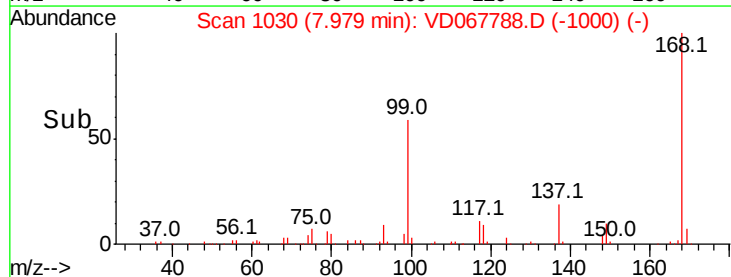
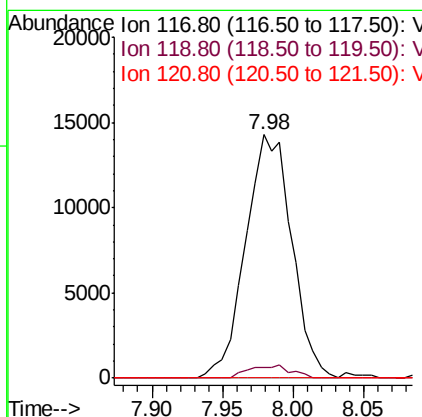
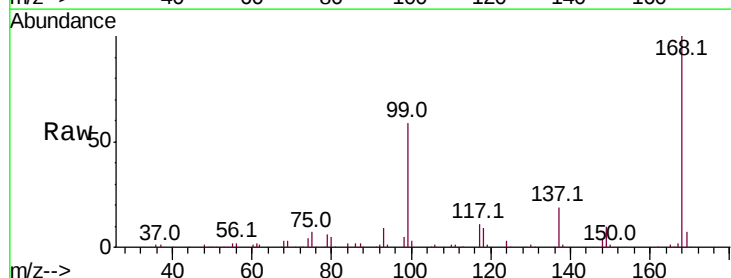
Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-36-4-WC

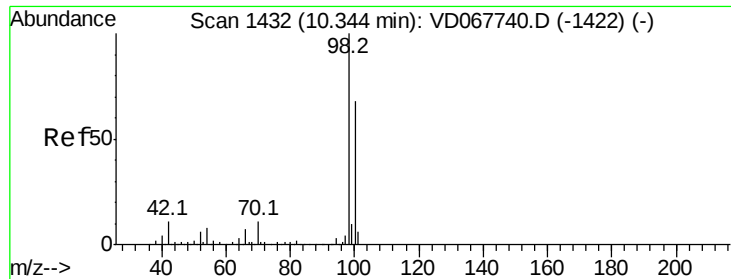
Tot Ion: 75 Resp: 22402
 Ion Ratio Lower Upper
 75 100
 110 12.7 20.1 60.2#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.526 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067788.D
 Acq: 25 Nov 2020 15:43

Tgt Ion: 117 Resp: 32673
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.6 115.0#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 49.773 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067788.D

Acq: 25 Nov 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

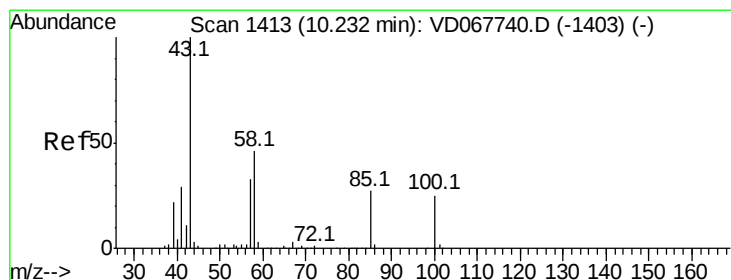
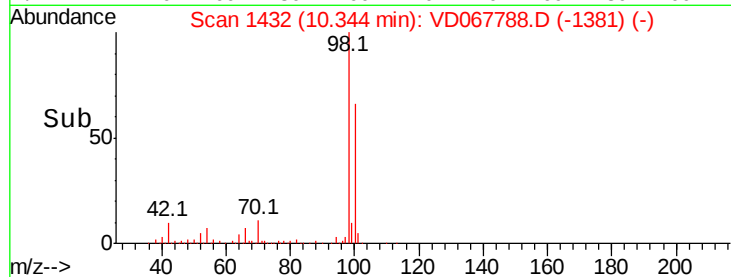
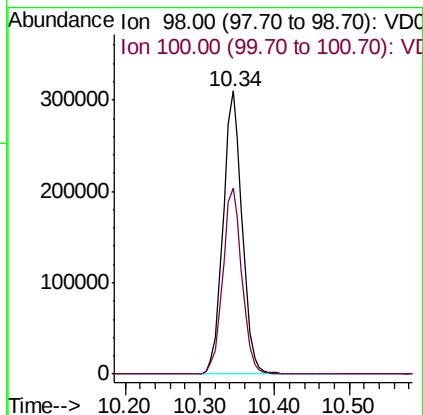
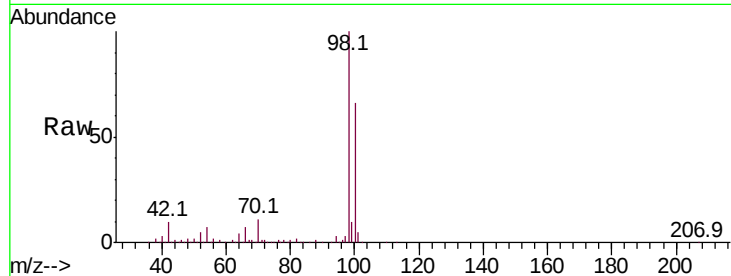
R-LA-36-4-WC

Tot Ion: 98 Resp: 550510

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 2.319 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067788.D

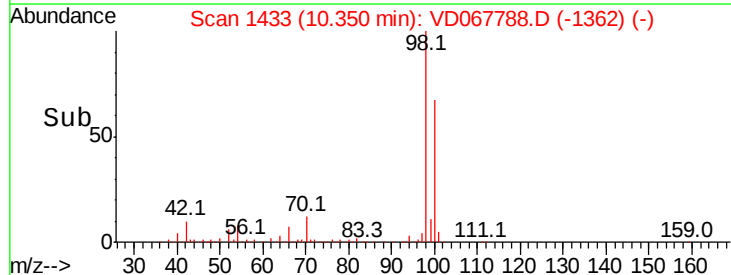
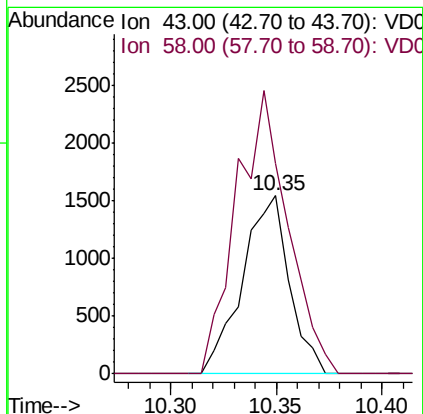
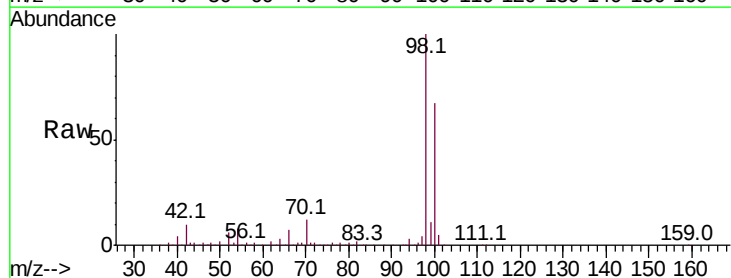
Acq: 25 Nov 2020 15:43

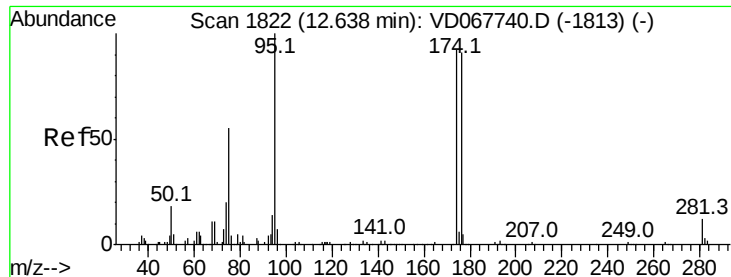
Tgt Ion: 43 Resp: 2390

Ion Ratio Lower Upper

43 100

58 173.2 34.7 52.1#

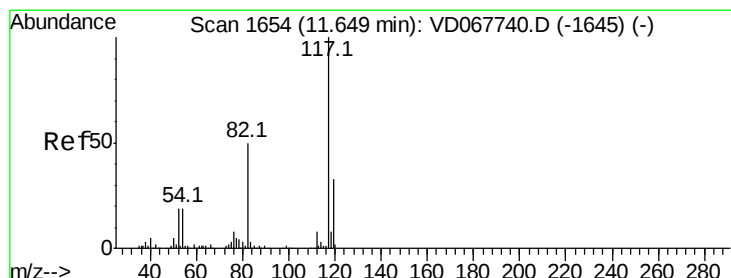
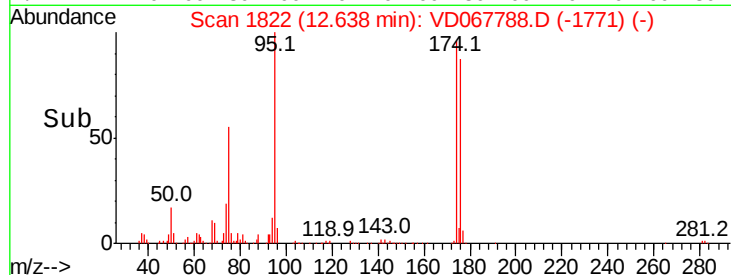
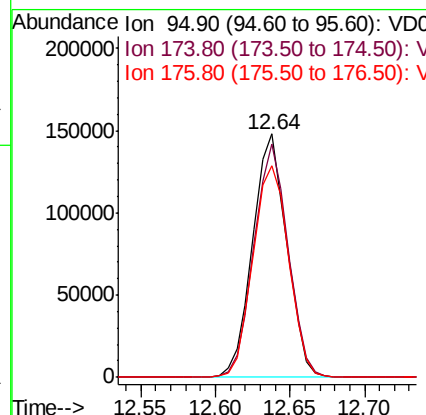
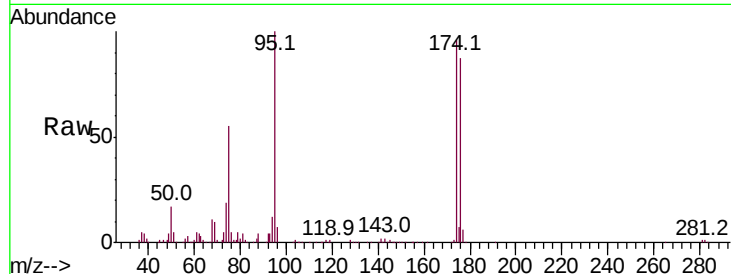




#62
4-Bromofluorobenzene
Concen: 61.707 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067788.D
Acq: 25 Nov 2020 15:43

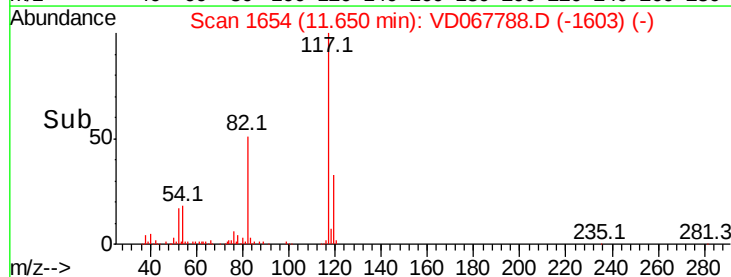
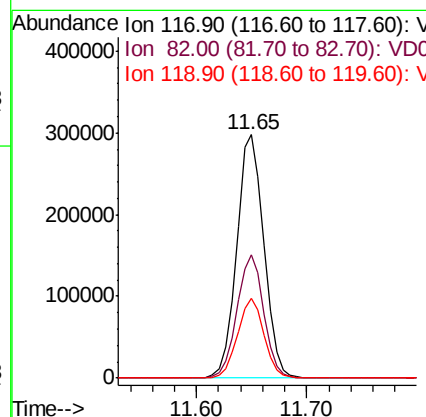
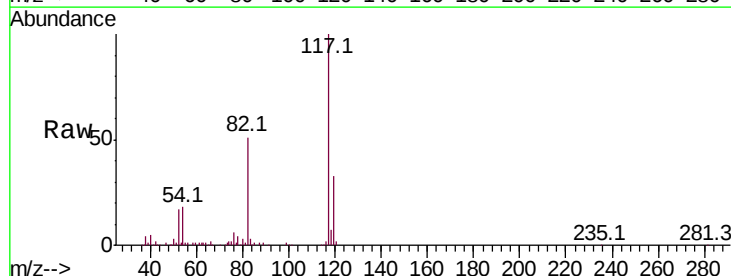
Instrument :
MSVOA_D
ClientSampleId :
R-LA-36-4-WC

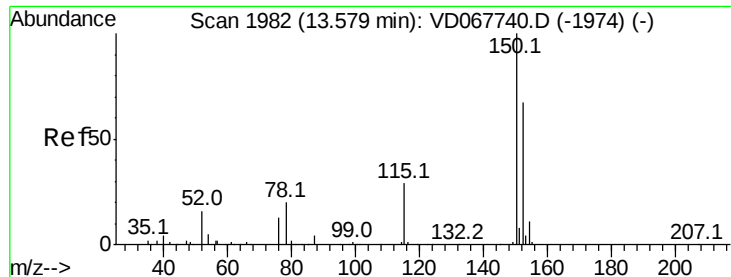
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	182.4
176	91.2	0.0	178.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067788.D
Acq: 25 Nov 2020 15:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.5	40.2	60.4
119	32.9	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067788.D

Acq: 25 Nov 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

R-LA-36-4-WC

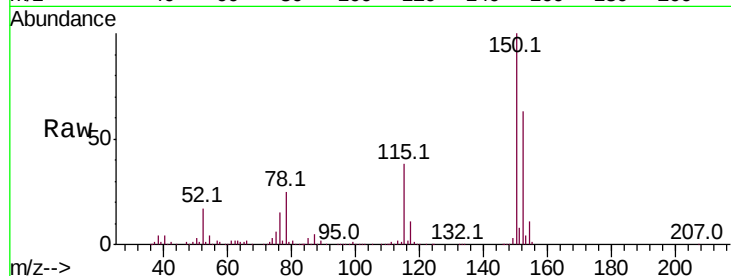
Tot Ion:152 Resp: 281519

Ion Ratio Lower Upper

152 100

115 58.8 29.4 88.3

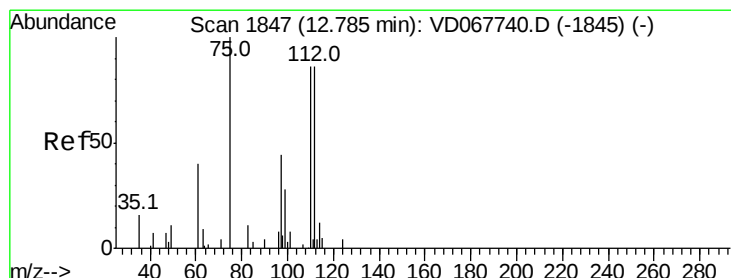
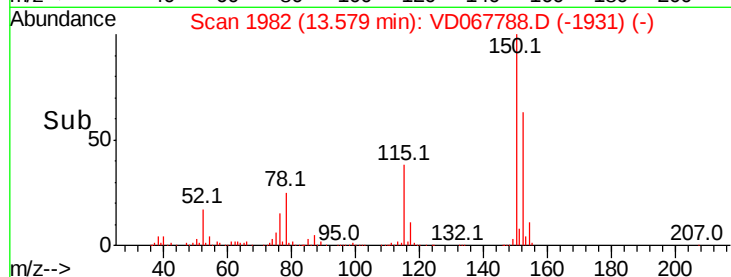
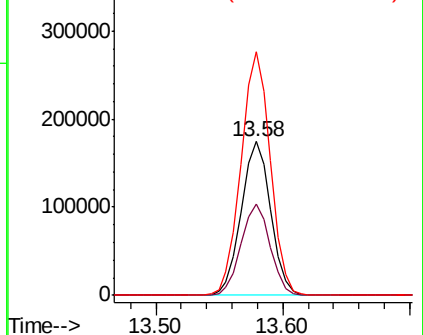
150 156.7 0.0 340.6



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: 65.113 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067788.D

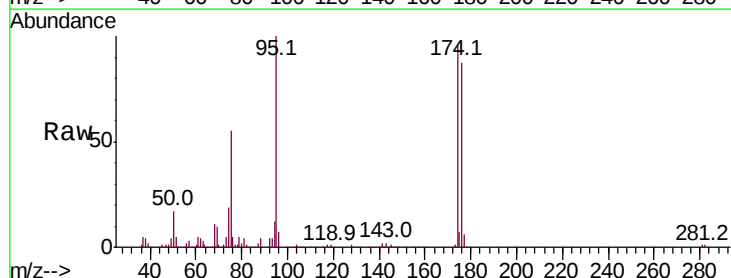
Acq: 25 Nov 2020 15:43

Tgt Ion: 75 Resp: 127755

Ion Ratio Lower Upper

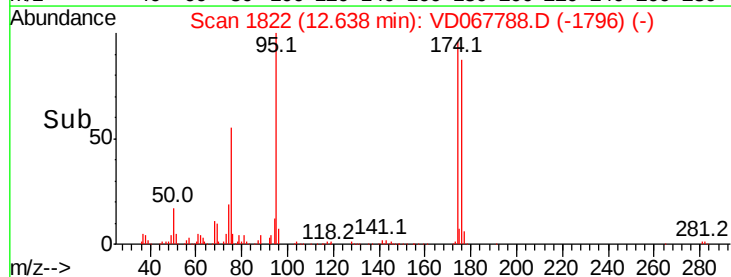
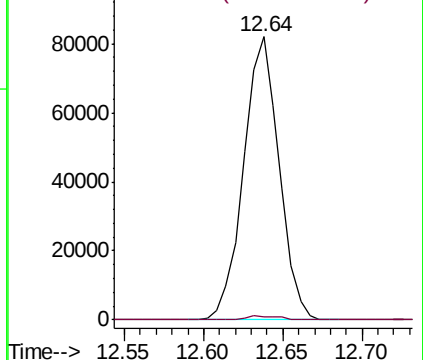
75 100

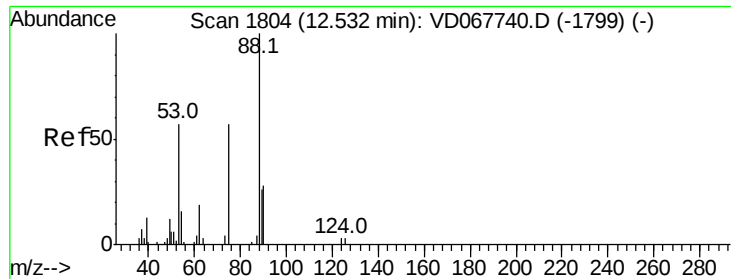
77 1.2 0.0 0.0#



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: 152.294 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067788.D

Acq: 25 Nov 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

R-LA-36-4-WC

Tot Ion: 75 Resp: 127755

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 40.2 60.4#

