

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067114.D
 Acq On : 06 Oct 2020 18:07
 Operator : VA/SY
 Sample : L4272-45
 Misc : 7.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-8-(6.5)

Quant Time: Oct 07 01:12:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

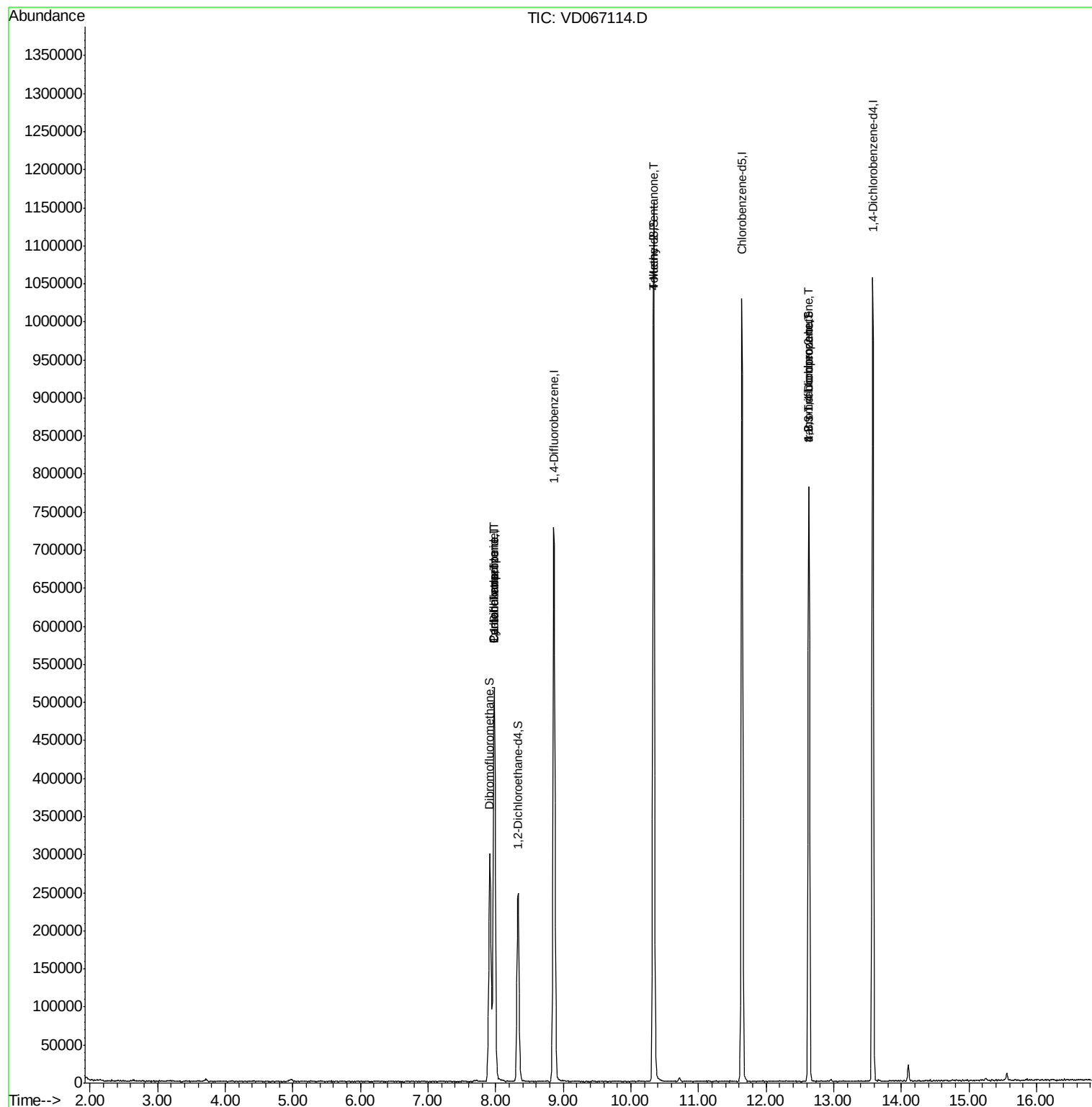
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	393023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	666659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	621228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288259	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	204558	54.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.08%	
35) Dibromofluoromethane	7.91	113	217933	49.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.86%	
50) Toluene-d8	10.34	98	785989	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.64	95	259588	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	114	Below Cal	#	40
5) Bromomethane	2.77	94	138	Below Cal	#	70
20) Methylene Chloride	4.96	84	2039	Below Cal	#	70
31) Cyclohexane	7.97	56	7446	1.310	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	29058	4.676	ug/l #	50
38) Carbon Tetrachloride	7.98	117	40185	5.977	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	3046	1.542	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	128693	51.255	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	128693	127.786	ug/l #	12

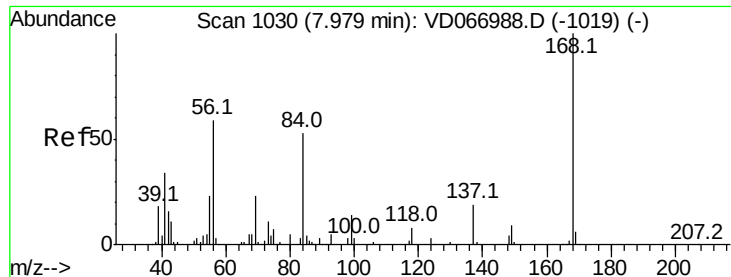
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 07 01:12:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067114.D

Acq: 06 Oct 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

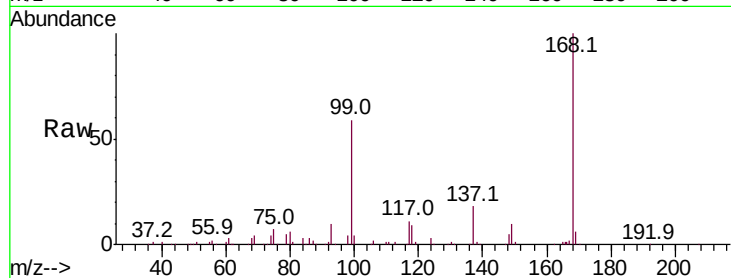
SC-8-(6.5)

Tot Ion:168 Resp: 393023

Ion Ratio Lower Upper

168 100

99 59.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

100000

50000

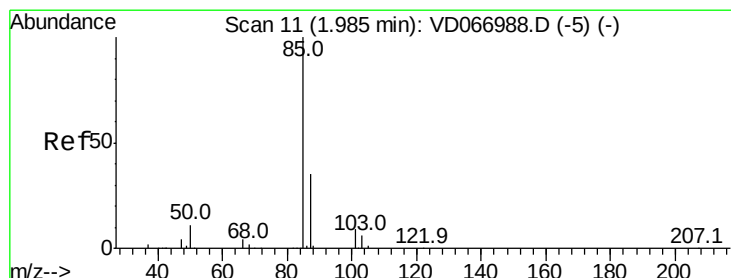
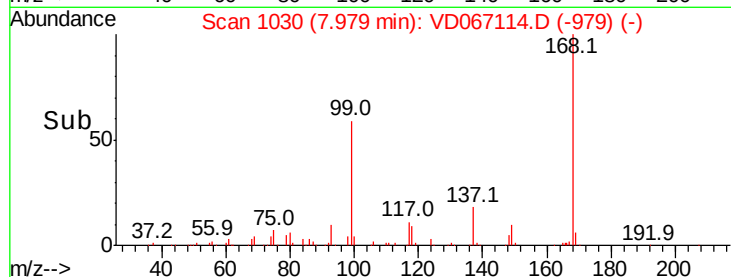
0

Time-->

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067114.D

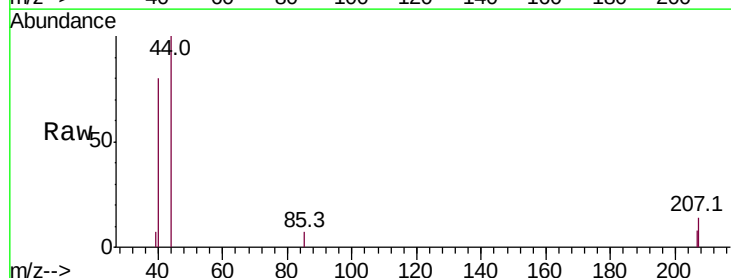
Acq: 06 Oct 2020 18:07

Tgt Ion: 85 Resp: 114

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150

100

50

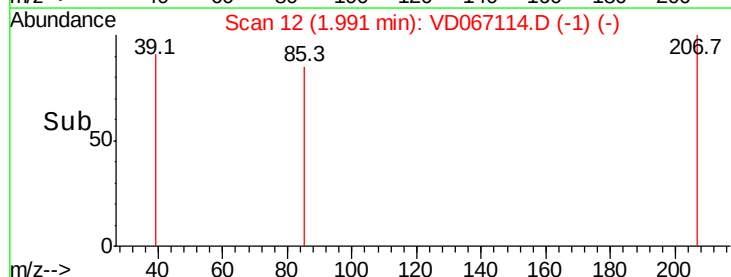
0

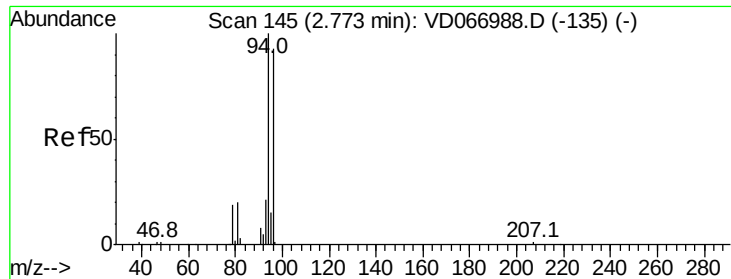
Time-->

1.96

1.98

2.00





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067114.D

Acq: 06 Oct 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

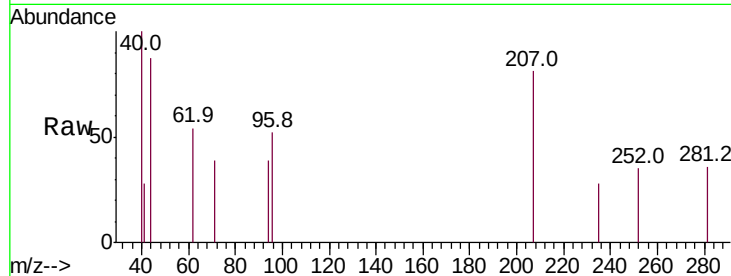
SC-8-(6.5)

Tot Ion: 94 Resp: 138

Ion Ratio Lower Upper

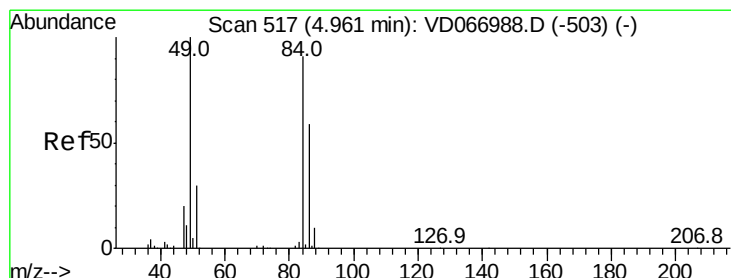
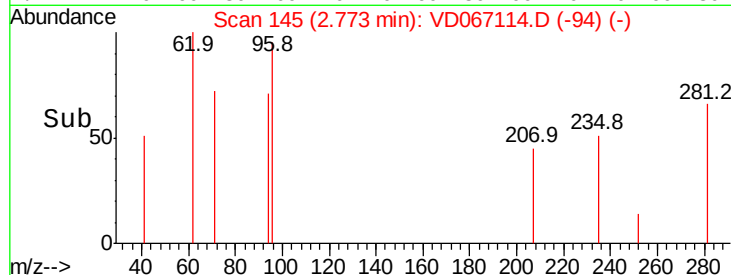
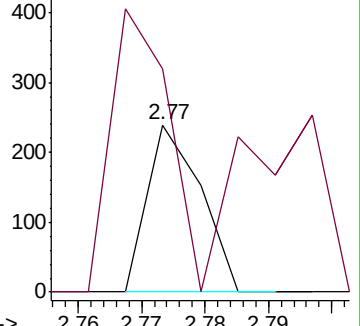
94 100

96 64.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067114.D

Acq: 06 Oct 2020 18:07

Tgt Ion: 84 Resp: 2039

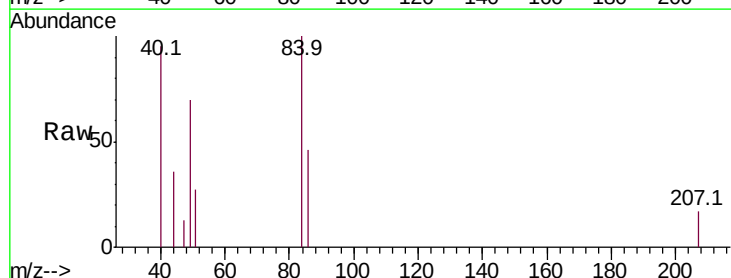
Ion Ratio Lower Upper

84 100

49 69.5 88.2 132.2#

51 26.7 26.6 39.8

86 46.3 52.1 78.1#

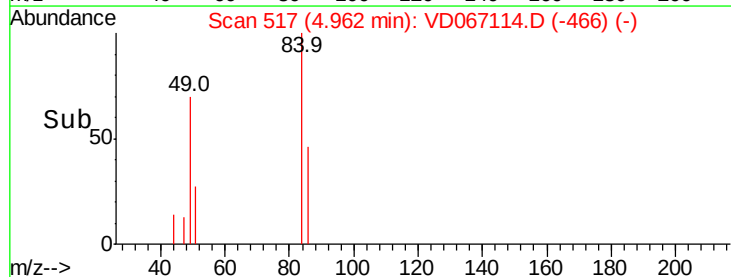
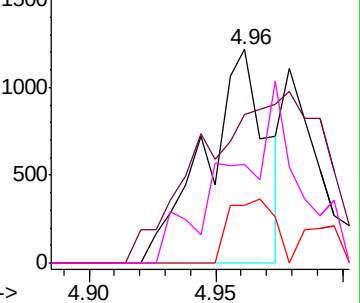


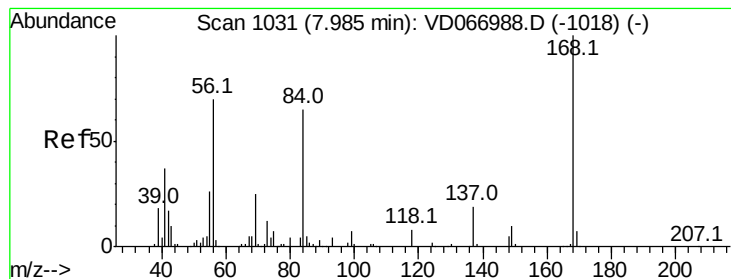
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.310 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD067114.D

Acq: 06 Oct 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

SC-8-(6.5)

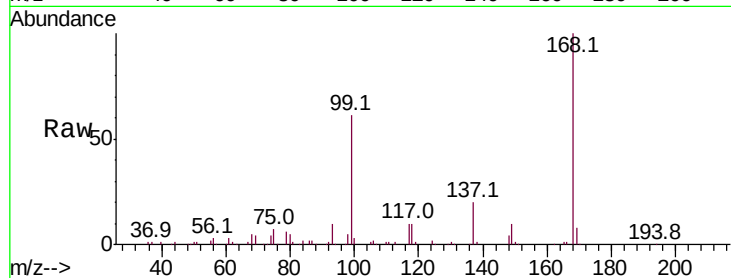
Tot Ion: 56 Resp: 7446

Ion Ratio Lower Upper

56 100

69 178.0 29.0 43.6#

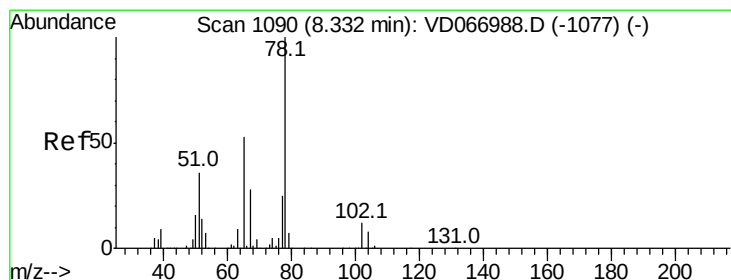
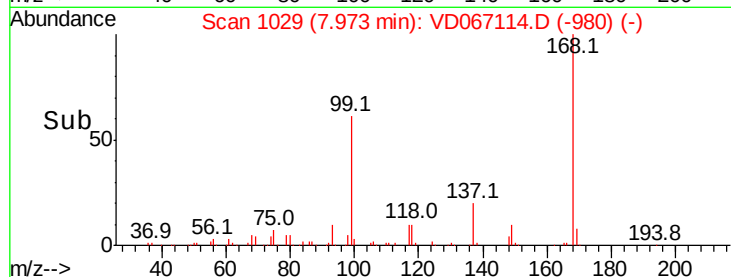
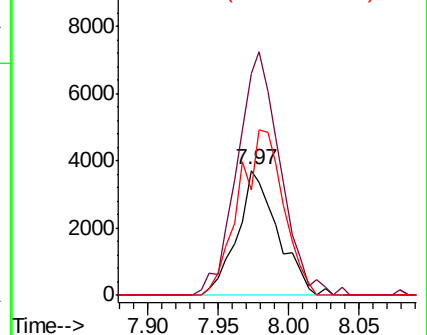
84 84.6 74.2 111.2



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: 54.036 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067114.D

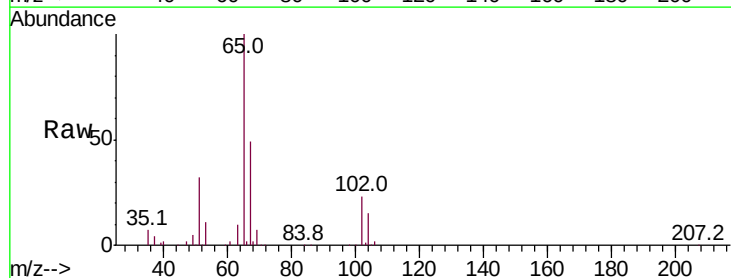
Acq: 06 Oct 2020 18:07

Tgt Ion: 65 Resp: 204558

Ion Ratio Lower Upper

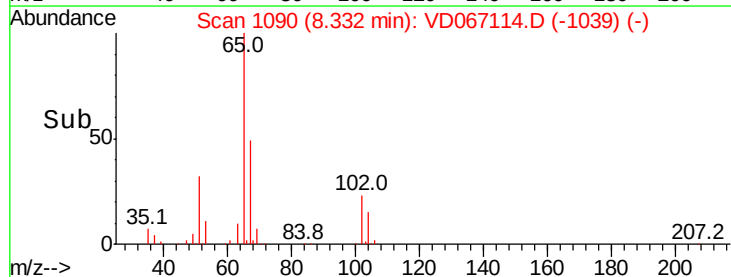
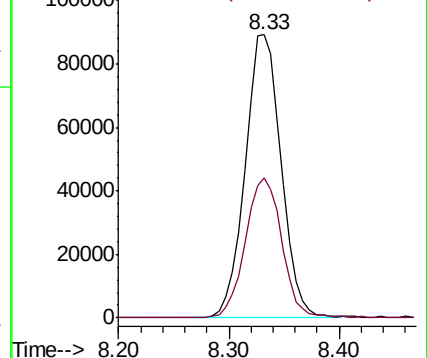
65 100

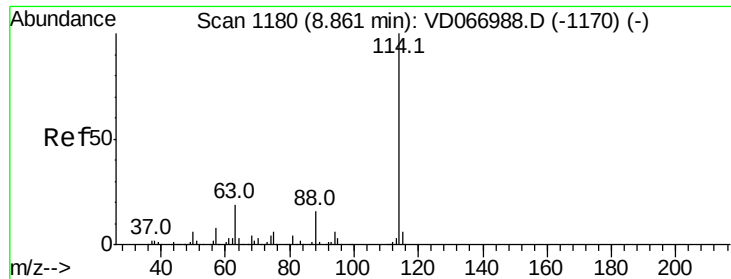
67 50.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

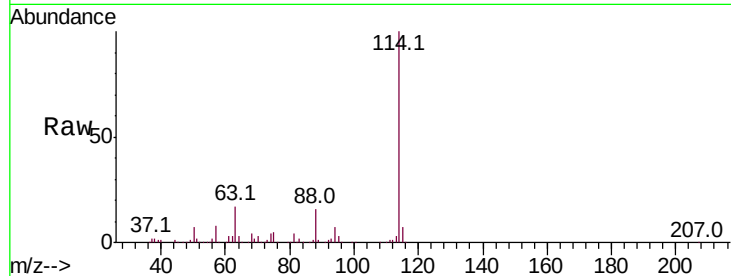




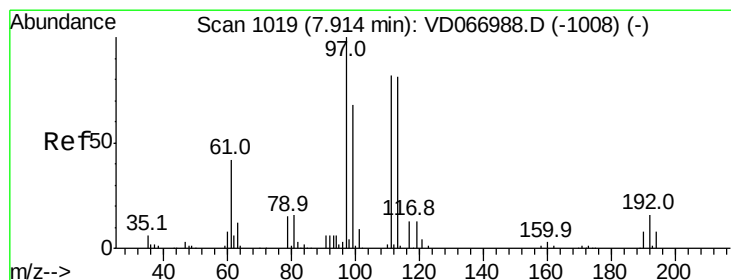
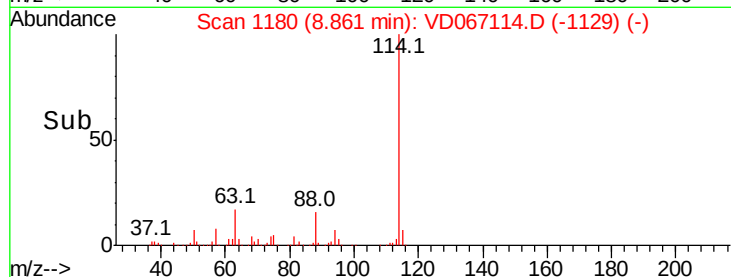
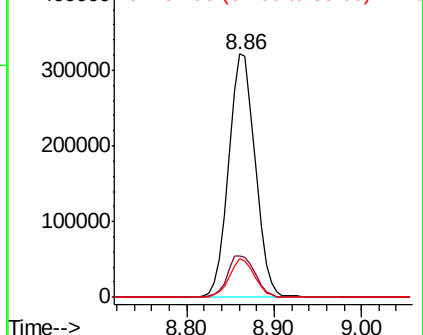
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067114.D
 Acq: 06 Oct 2020 18:07

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-8-(6.5)

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	38.4
88	16.0	0.0	31.2

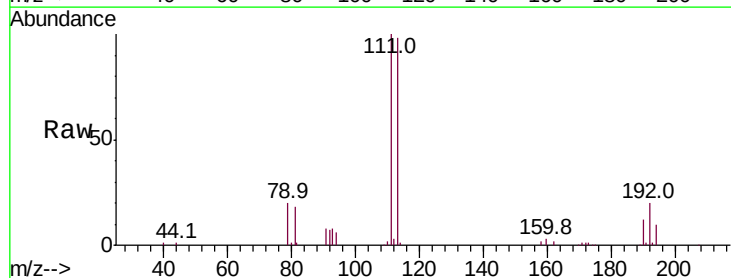


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

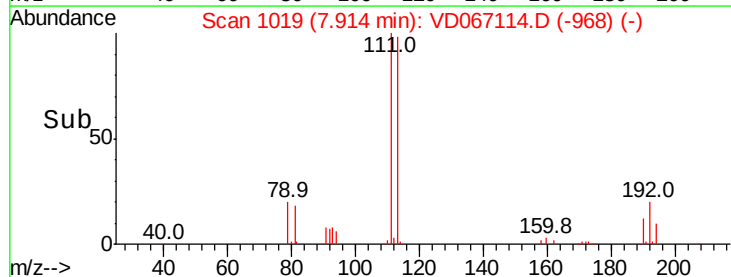
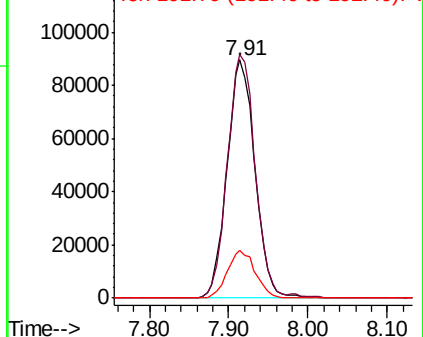


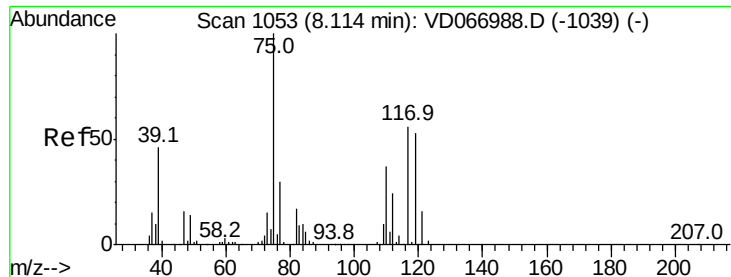
#35
 Dibromofluoromethane
 Concen: 49.933 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067114.D
 Acq: 06 Oct 2020 18:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.4
192	20.1	15.5	23.3



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: 4.676 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067114.D

Acq: 06 Oct 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

SC-8-(6.5)

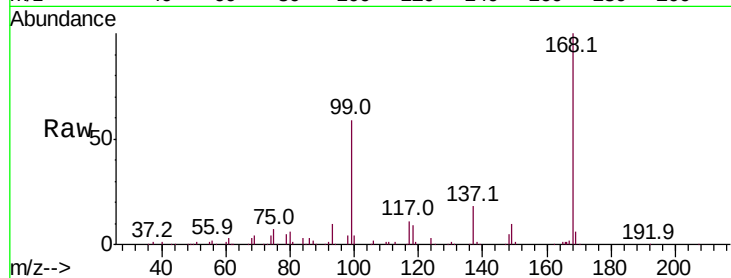
Tot Ion: 75 Resp: 29058

Ion Ratio Lower Upper

75 100

110 10.7 18.4 55.0#

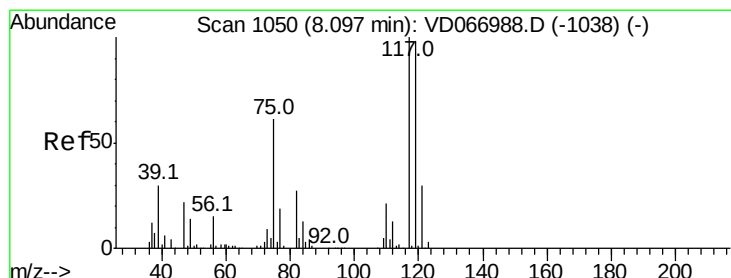
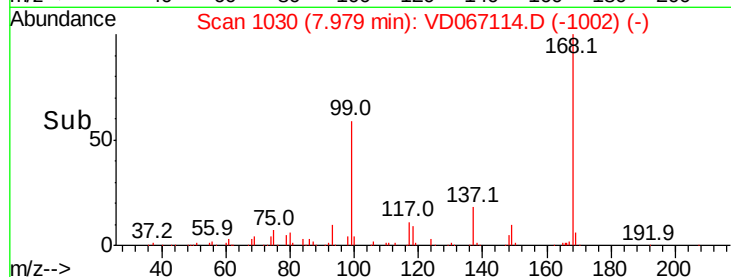
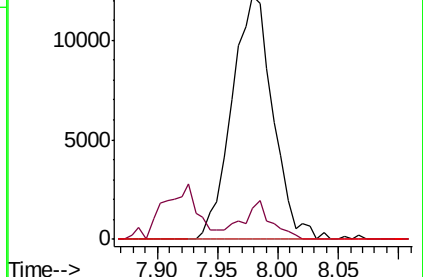
77 0.0 24.8 37.2#



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



#38

Carbon Tetrachloride

Concen: 5.977 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067114.D

Acq: 06 Oct 2020 18:07

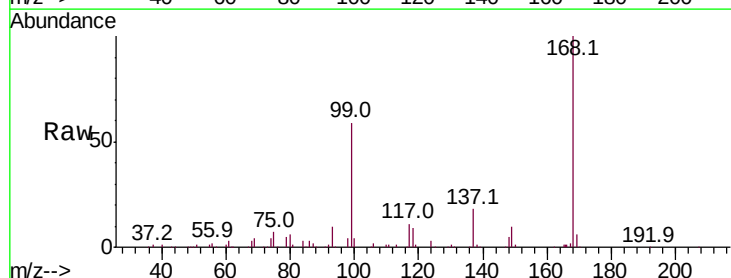
Tgt Ion: 117 Resp: 40185

Ion Ratio Lower Upper

117 100

119 5.0 78.7 118.1#

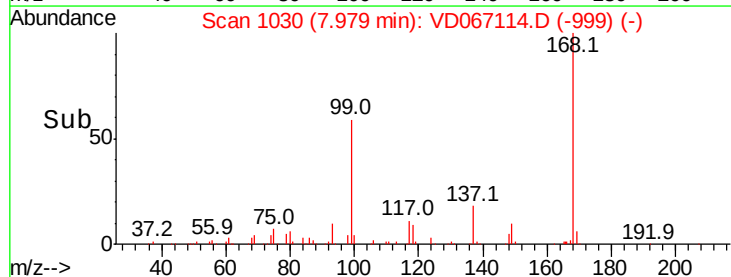
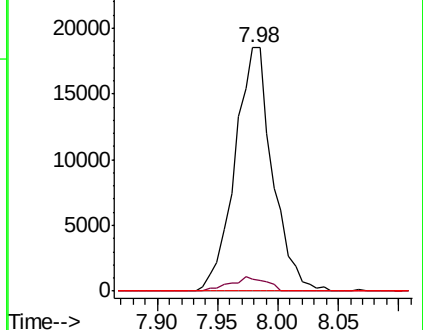
121 0.0 24.2 36.2#

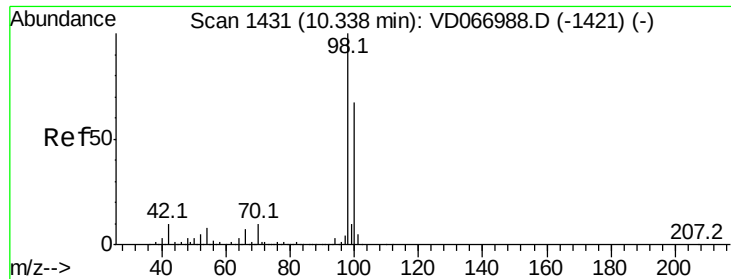


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

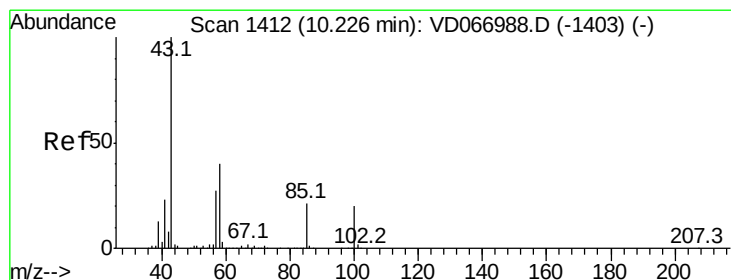
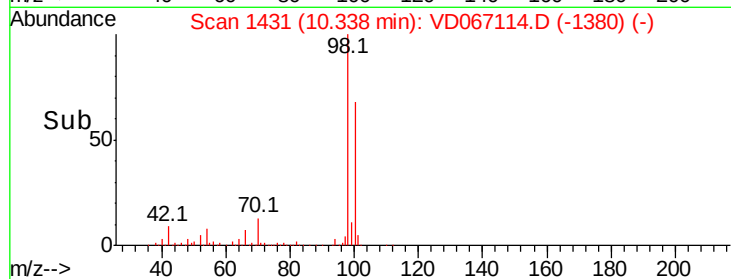
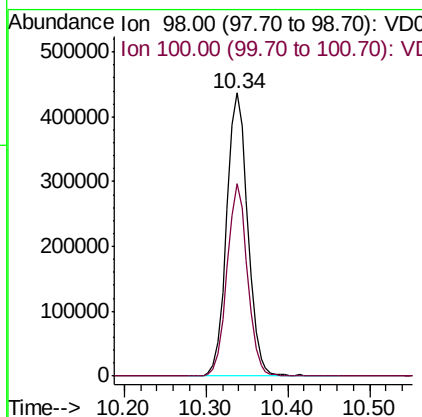
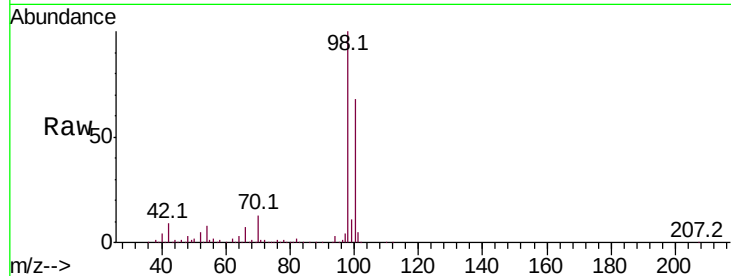




#50
Toluene-d8
Concen: 49.422 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067114.D
Acq: 06 Oct 2020 18:07

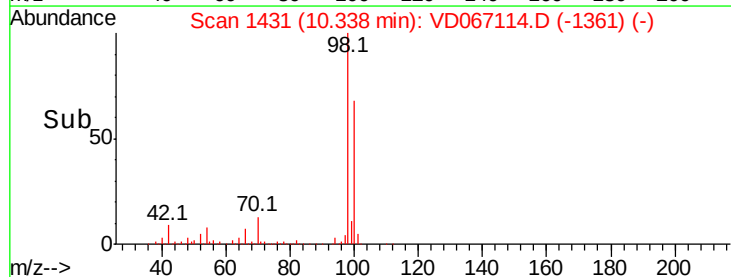
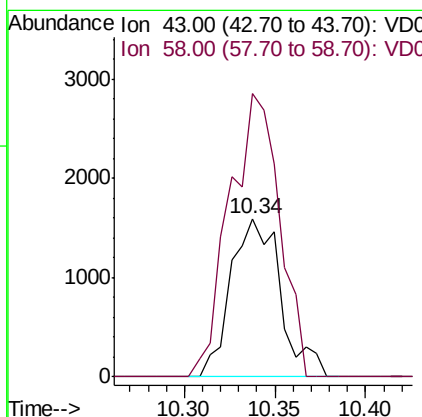
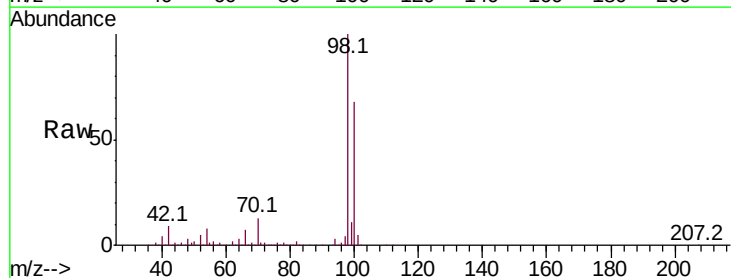
Instrument :
MSVOA_D
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SC-8-(6.5)

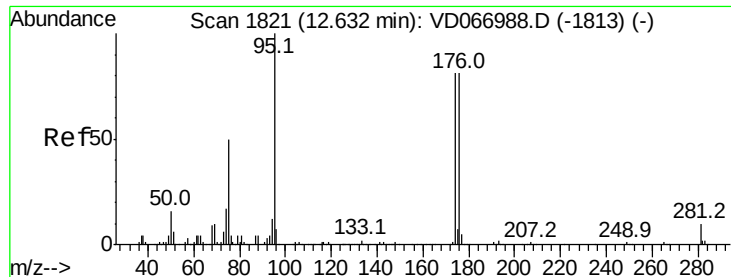
Tot Ion: 98 Resp: 785989
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.542 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067114.D
Acq: 06 Oct 2020 18:07

Tgt Ion: 43 Resp: 3046
Ion Ratio Lower Upper
43 100
58 179.5 33.8 50.8#





#62

4-Bromofluorobenzene

Concen: 48.081 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067114.D

Acq: 06 Oct 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

SC-8-(6.5)

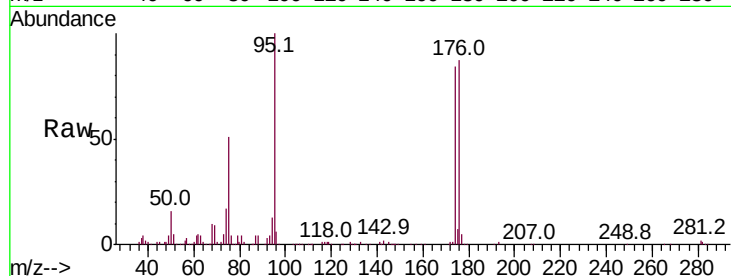
Tot Ion: 95 Resp: 259588

Ion Ratio Lower Upper

95 100

174 85.9 0.0 167.6

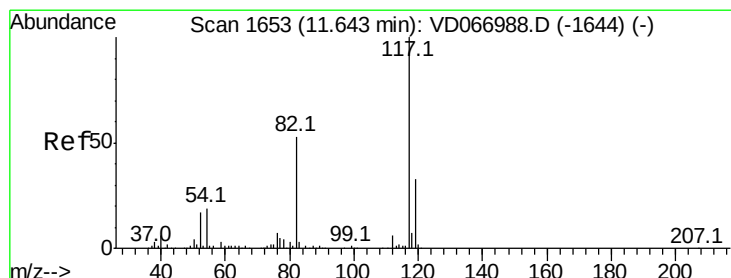
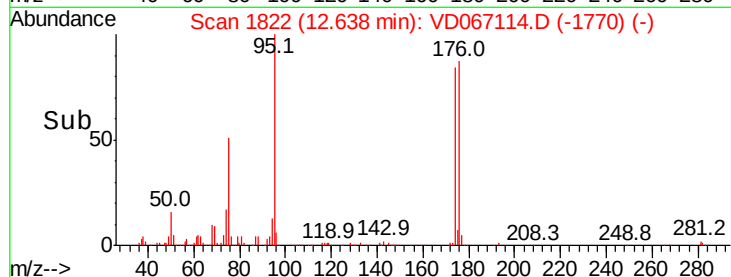
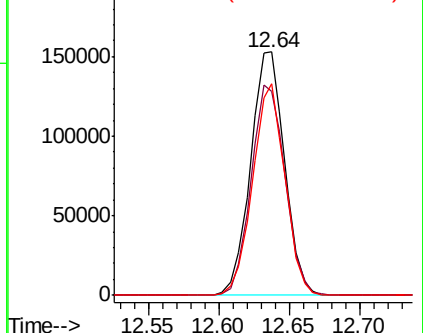
176 82.4 0.0 162.4



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: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD067114.D

Acq: 06 Oct 2020 18:07

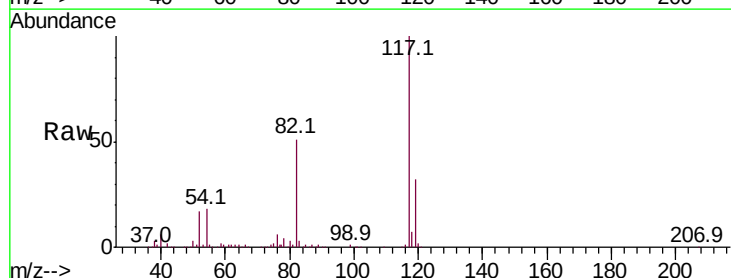
Tgt Ion: 117 Resp: 621228

Ion Ratio Lower Upper

117 100

82 51.3 42.6 63.8

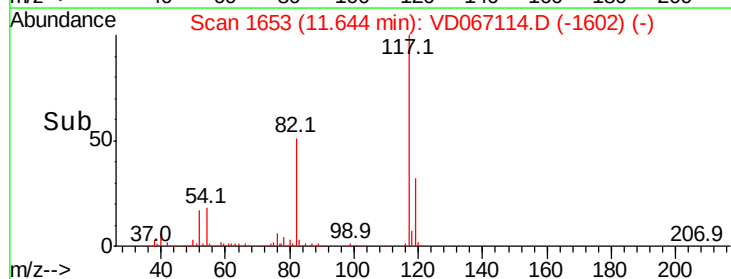
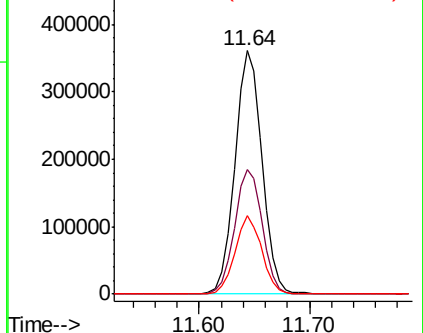
119 32.0 26.3 39.5

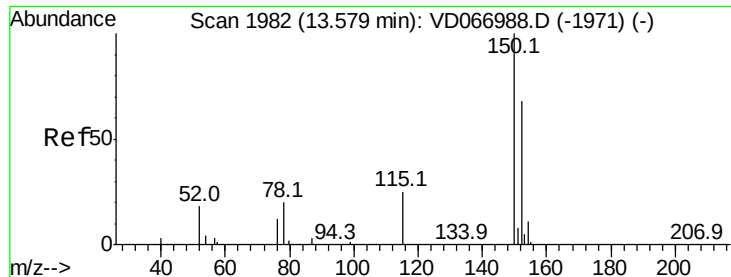


Abundance Ion 116.90 (116.60 to 117.60): V

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. 0.00 min

Lab File: VD067114.D

Acq: 06 Oct 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

SC-8-(6.5)

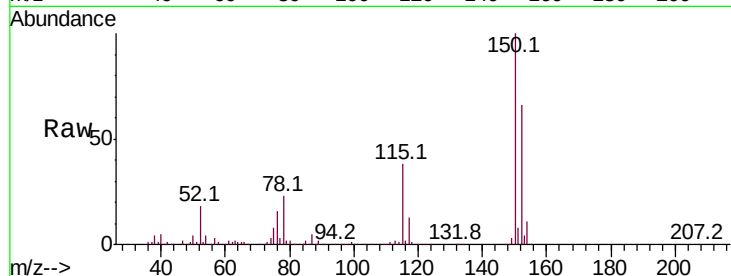
Tot Ion:152 Resp: 288259

Ion Ratio Lower Upper

152 100

115 58.6 29.6 88.8

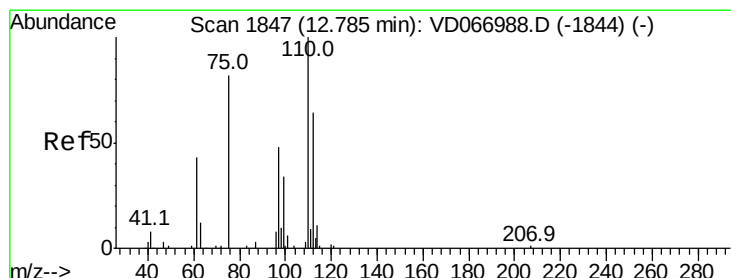
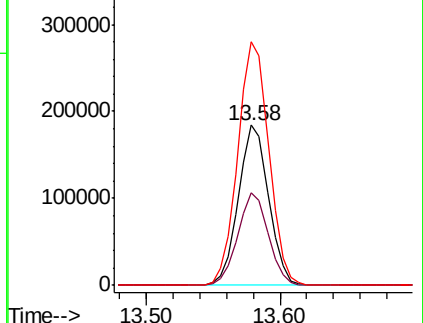
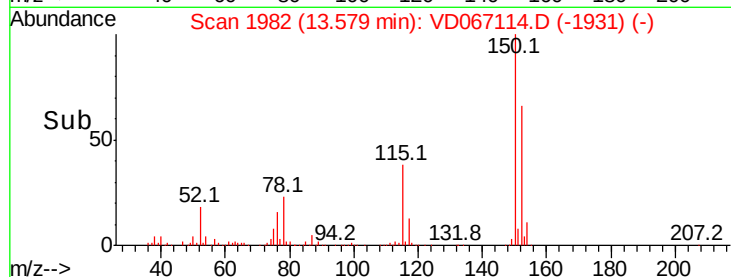
150 156.2 0.0 344.8



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: 51.255 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067114.D

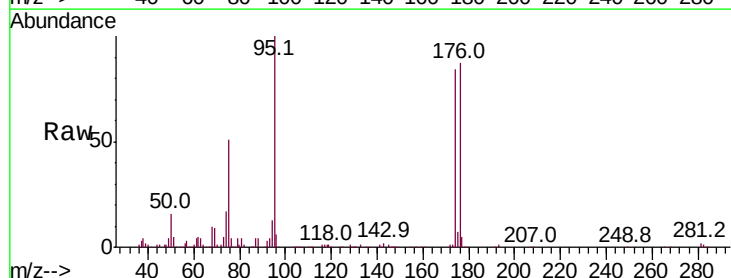
Acq: 06 Oct 2020 18:07

Tgt Ion: 75 Resp: 128693

Ion Ratio Lower Upper

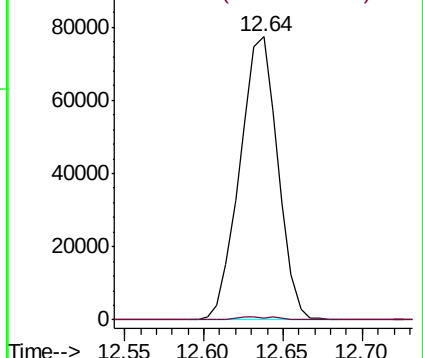
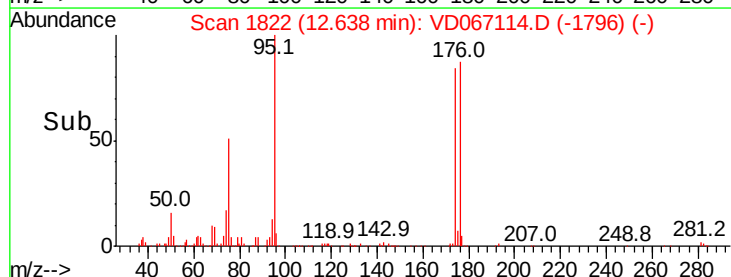
75 100

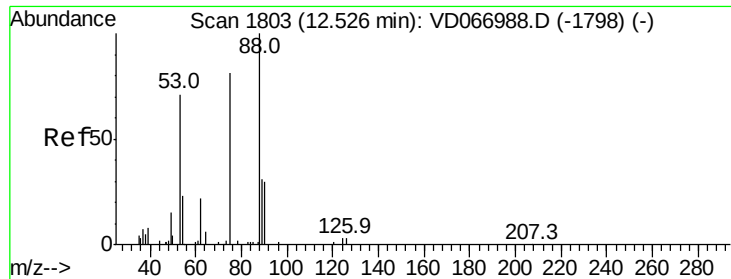
77 1.1 0.0 0.0#



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: 127.786 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067114.D

Acq: 06 Oct 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

SC-8-(6.5)

Tot Ion: 75 Resp: 128693

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.2 38.9 58.3#

