

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067014.D
 Acq On : 02 Oct 2020 02:24
 Operator : VA/SY
 Sample : L4198-22
 Misc : 6.79G/5.00ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-17

Quant Time: Oct 02 04:13:50 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	491933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	822124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	749152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	340418	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	244182	51.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.06%	
35) Dibromofluoromethane	7.91	113	262812	48.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.66%	
50) Toluene-d8	10.34	98	970717	49.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.63	95	310919	46.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.40%	

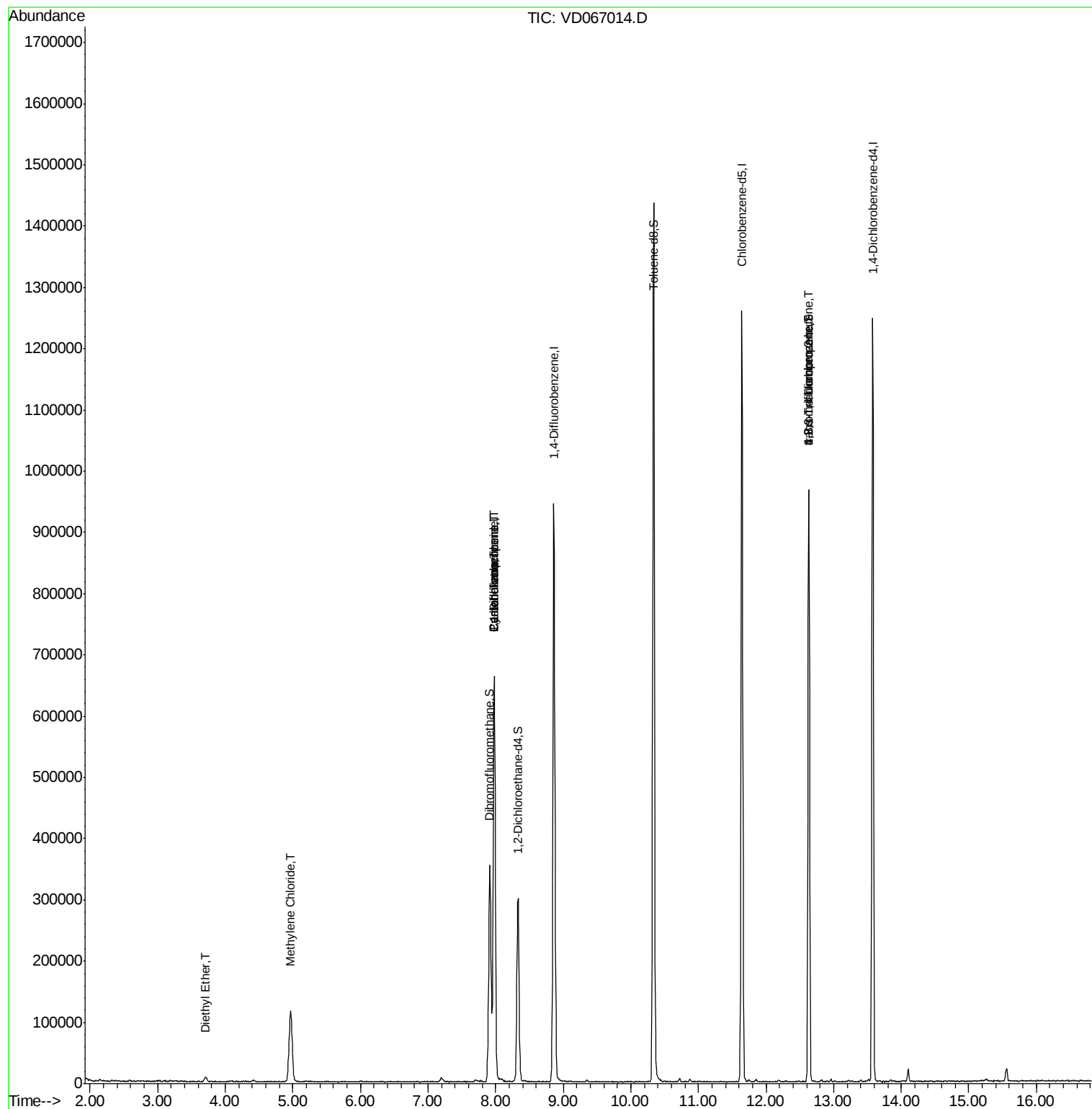
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	677	Below Cal		86
5) Bromomethane	2.77	94	480	Below Cal	#	31
8) Diethyl Ether	3.70	74	4281	1.978	ug/l	97
11) Tert butyl alcohol	5.20	59	806	Below Cal	#	72
20) Methylene Chloride	4.97	84	98202	13.877	ug/l	96
26) 2,2-Dichloropropane	7.21	77	675	Below Cal		83
31) Cyclohexane	7.98	56	10912	1.533	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	36309	4.738	ug/l #	49
38) Carbon Tetrachloride	7.98	117	49593	5.981	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	158667	53.511	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	158667	133.409	ug/l #	12

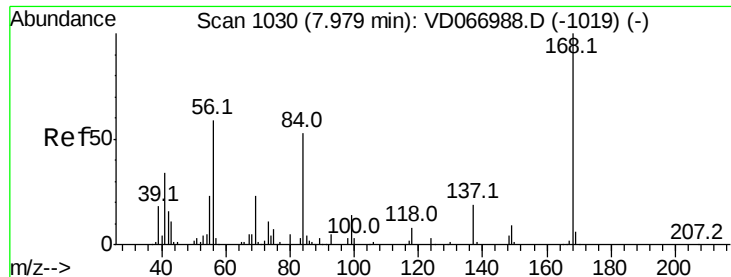
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100120\
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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: VD067014.D

Acq: 02 Oct 2020 02:24

Instrument :

MSVOA_D

ClientSampleId :

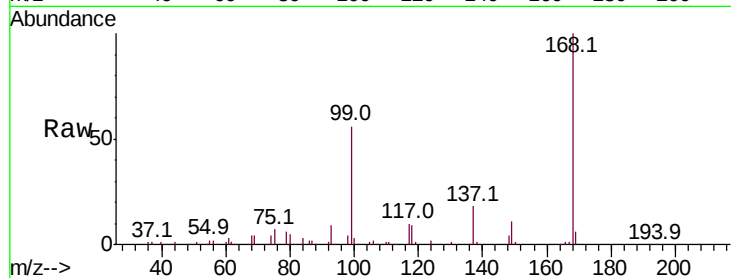
RO-17

Tot Ion:168 Resp: 491933

Ion Ratio Lower Upper

168 100

99 55.9 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

250000

200000

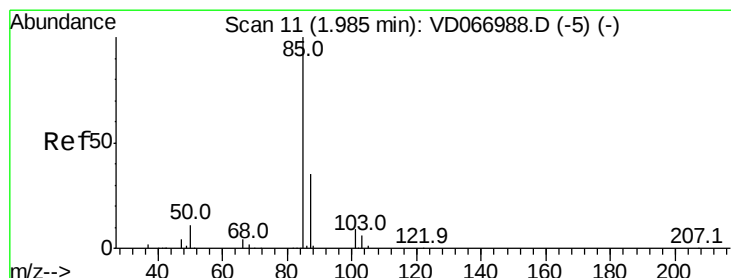
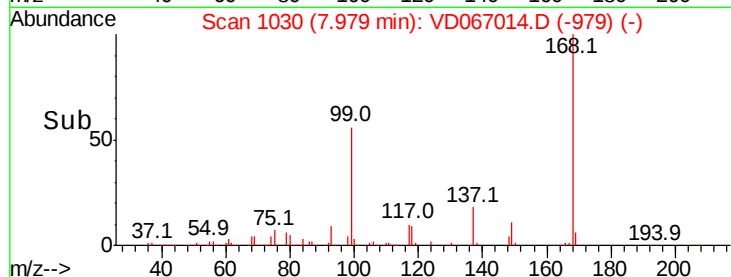
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067014.D

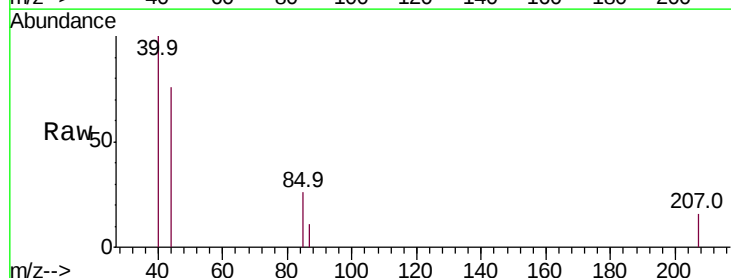
Acq: 02 Oct 2020 02:24

Tgt Ion: 85 Resp: 677

Ion Ratio Lower Upper

85 100

87 43.0 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

800

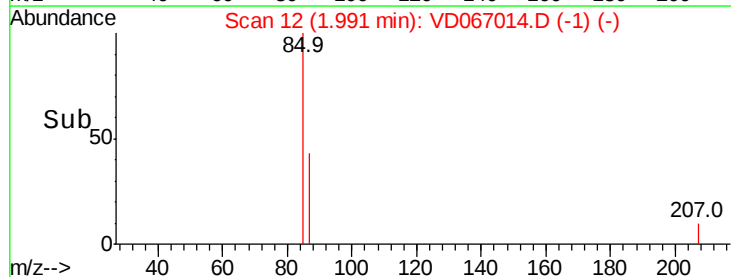
600

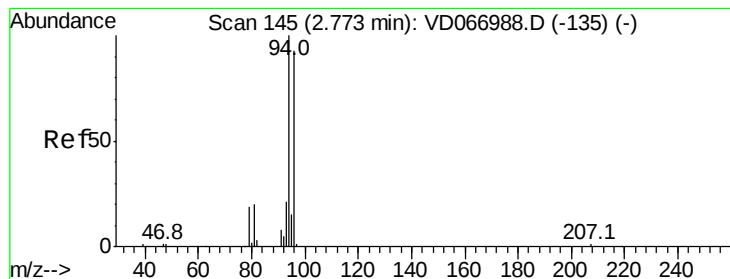
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067014.D

Acq: 02 Oct 2020 02:24

Instrument :

MSVOA_D

ClientSampled :

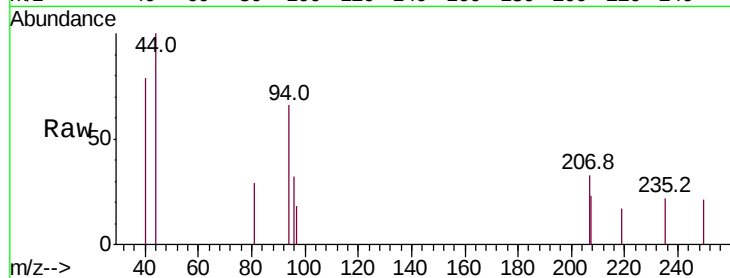
RO-17

Tot Ion: 94 Resp: 480

Ion Ratio Lower Upper

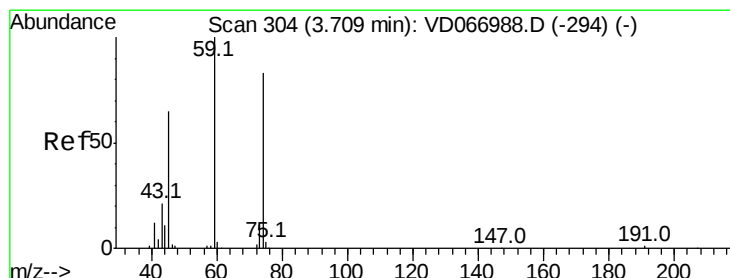
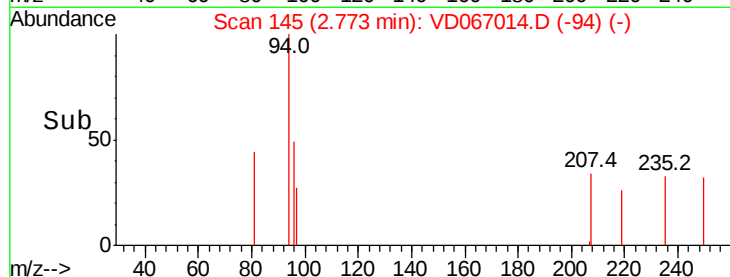
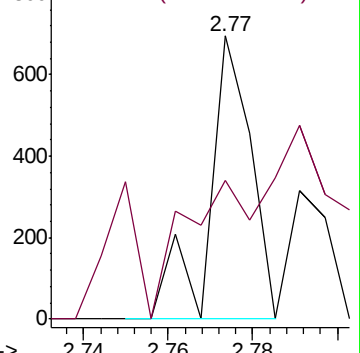
94 100

96 27.2 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 1.978 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD067014.D

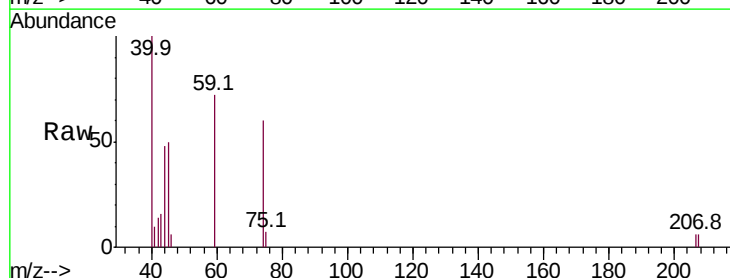
Acq: 02 Oct 2020 02:24

Tgt Ion: 74 Resp: 4281

Ion Ratio Lower Upper

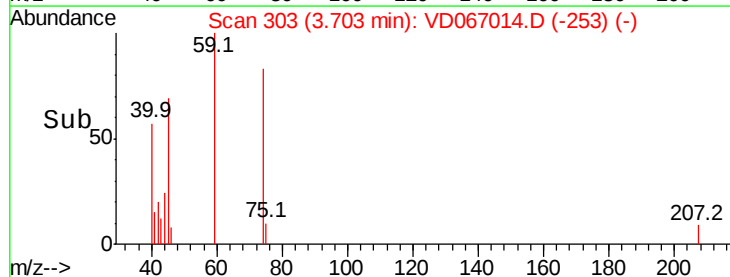
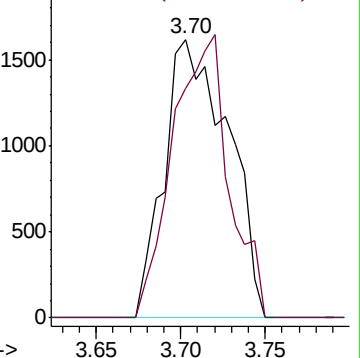
74 100

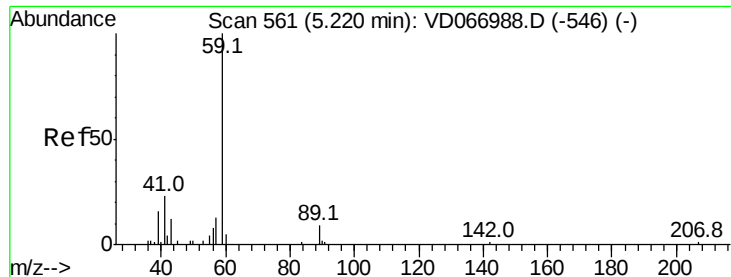
45 88.7 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



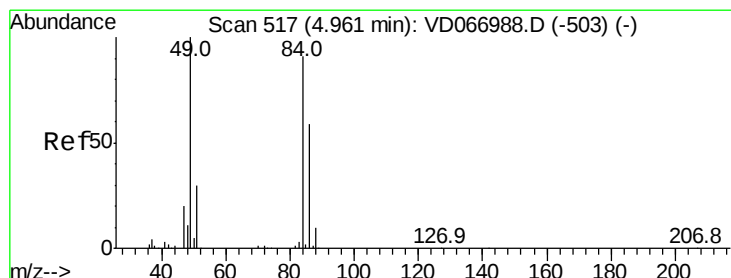
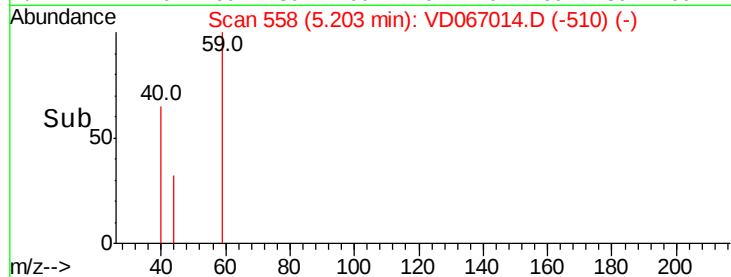
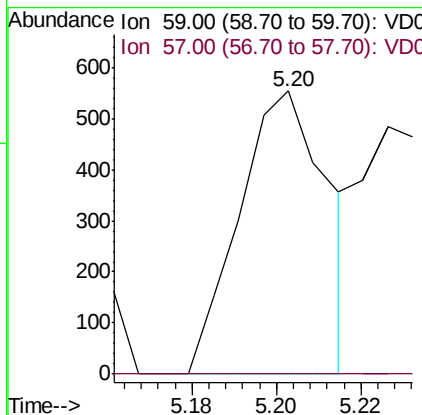
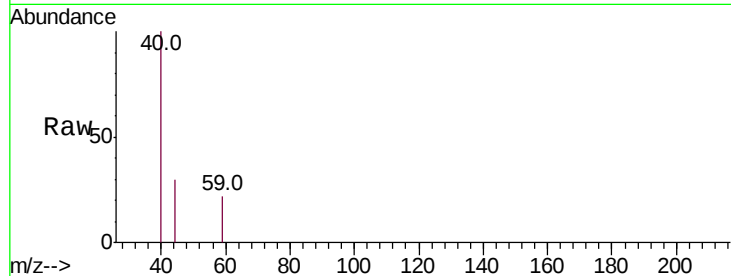


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD067014.D
 Acq: 02 Oct 2020 02:24

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-17

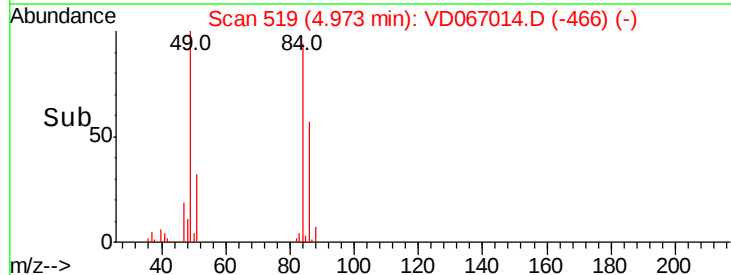
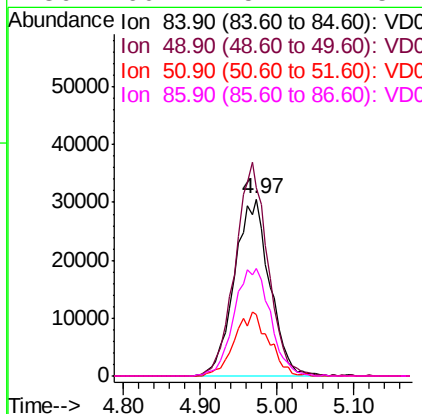
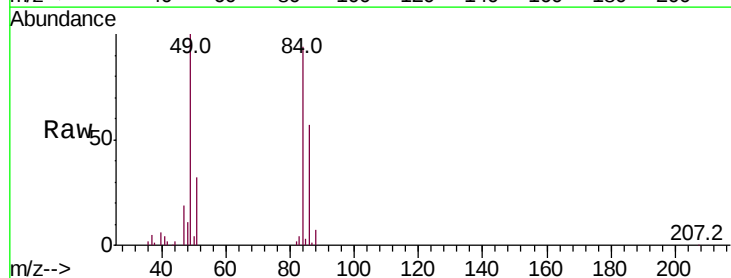
Tot Ion: 59 Resp: 806
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

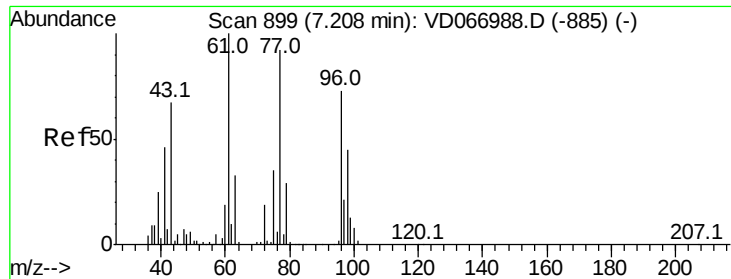


#20

Methylene Chloride
 Concen: 13.877 ug/l
 RT: 4.97 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD067014.D
 Acq: 02 Oct 2020 02:24

Tgt Ion: 84 Resp: 98202
 Ion Ratio Lower Upper
 84 100
 49 106.2 88.2 132.2
 51 34.3 26.6 39.8
 86 60.4 52.1 78.1





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067014.D

Acq: 02 Oct 2020 02:24

Instrument :

MSVOA_D

ClientSampled :

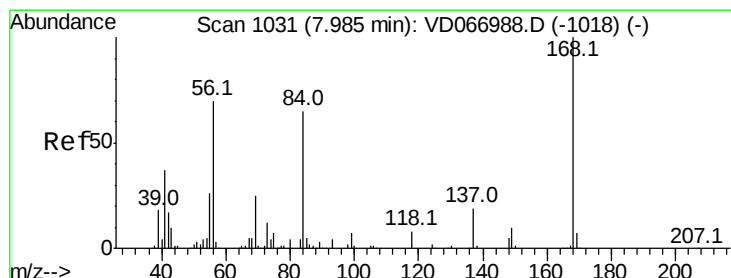
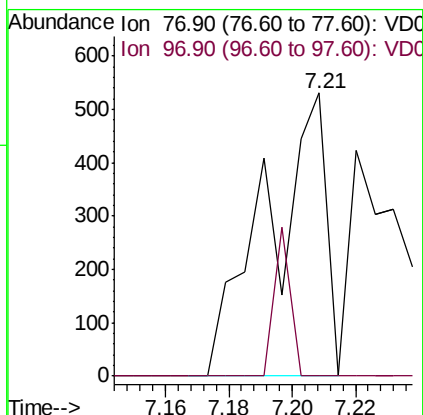
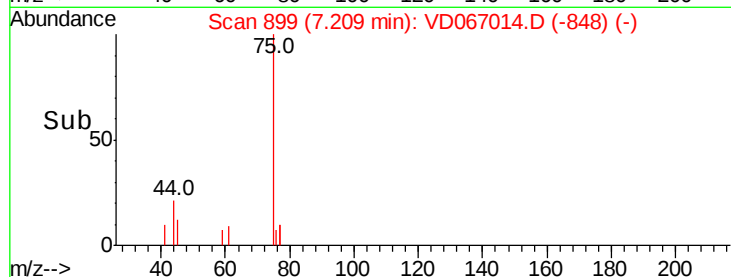
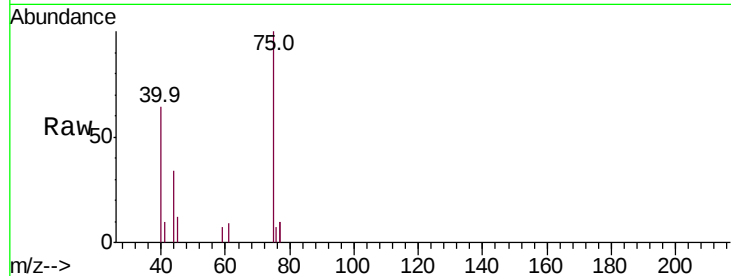
RO-17

Tot Ion: 77 Resp: 675

Ion Ratio Lower Upper

77 100

97 14.7 11.4 34.2



#31

Cyclohexane

Concen: 1.533 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067014.D

Acq: 02 Oct 2020 02:24

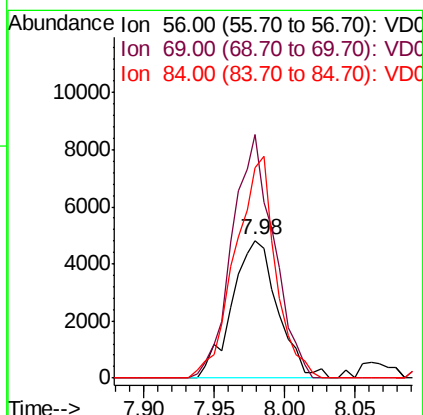
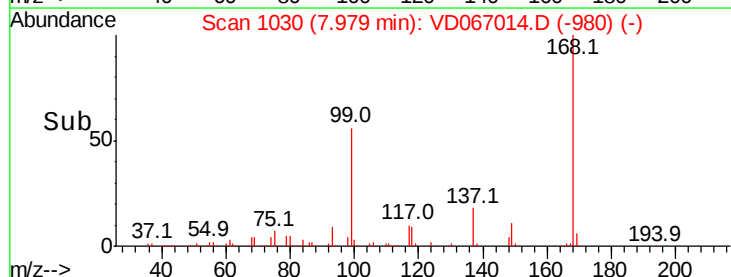
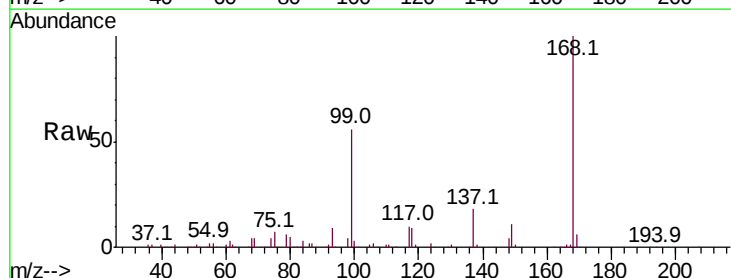
Tgt Ion: 56 Resp: 10912

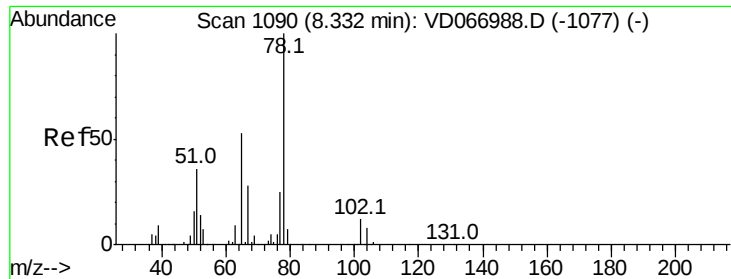
Ion Ratio Lower Upper

56 100

69 176.6 29.0 43.6#

84 152.3 74.2 111.2#

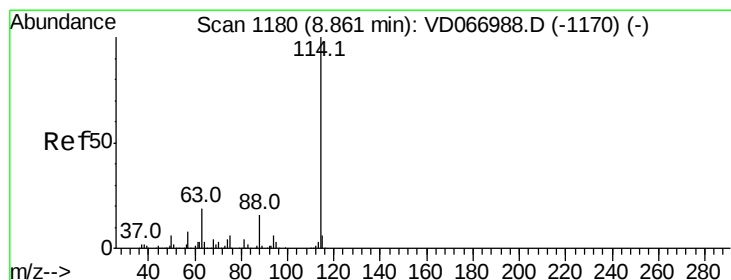
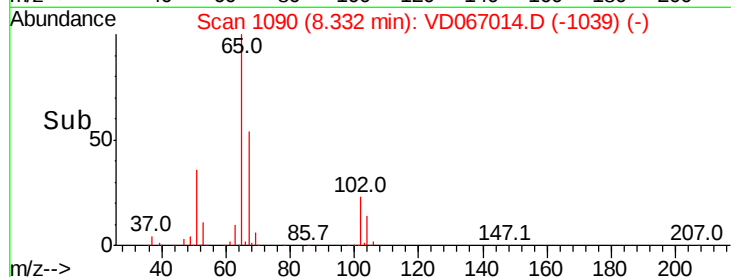
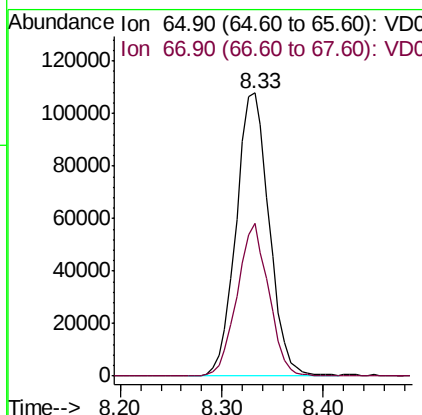
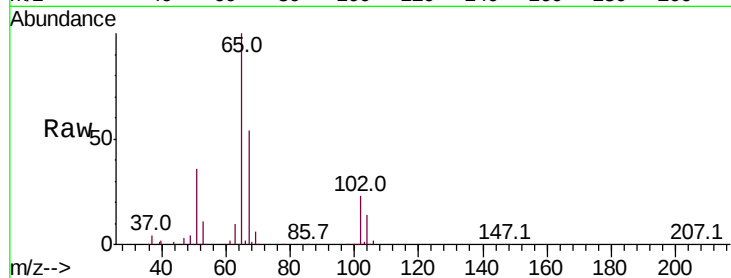




#33
 1,2-Dichloroethane-d4
 Concen: 51.534 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067014.D
 Acq: 02 Oct 2020 02:24

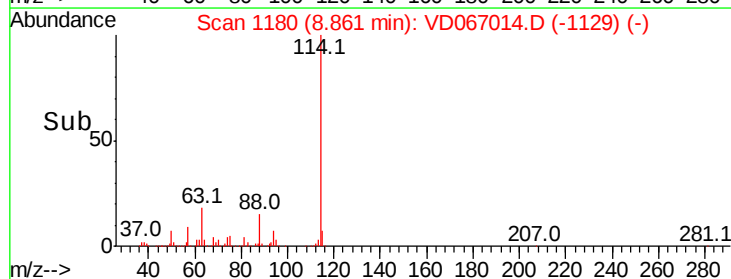
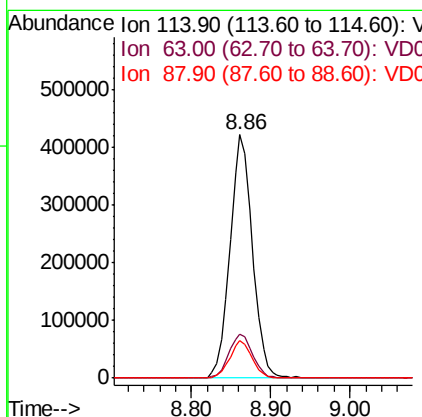
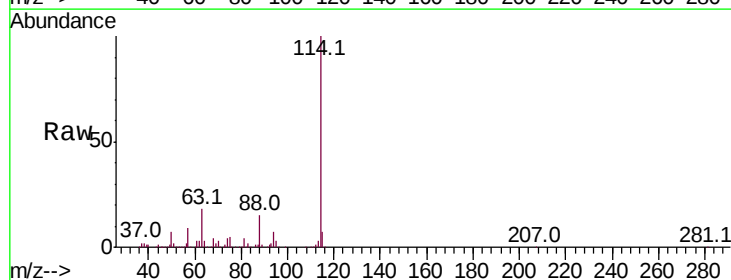
Instrument :
 MSVOA_D
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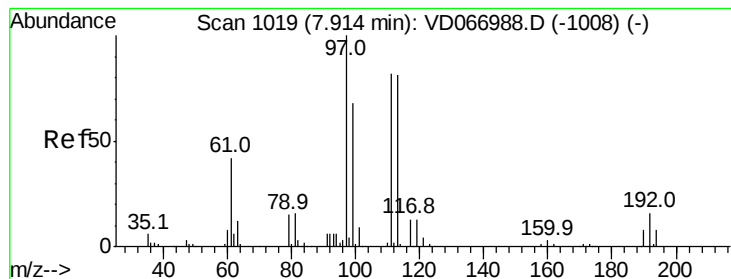
Tot Ion: 65 Resp: 244182
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067014.D
 Acq: 02 Oct 2020 02:24

Tgt Ion: 114 Resp: 822124
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 38.4
 88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.829 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067014.D

Acq: 02 Oct 2020 02:24

Instrument :

MSVOA_D

ClientSampleId :

RO-17

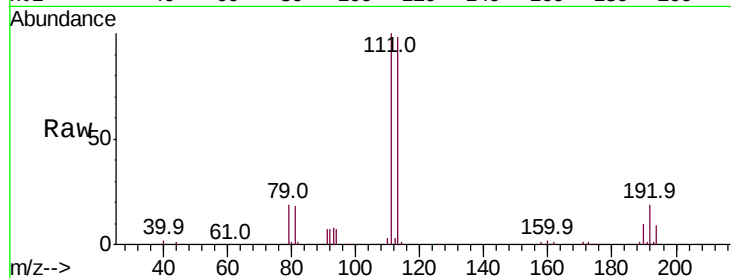
Tot Ion:113 Resp: 262812

Ion Ratio Lower Upper

113 100

111 100.8 83.0 124.4

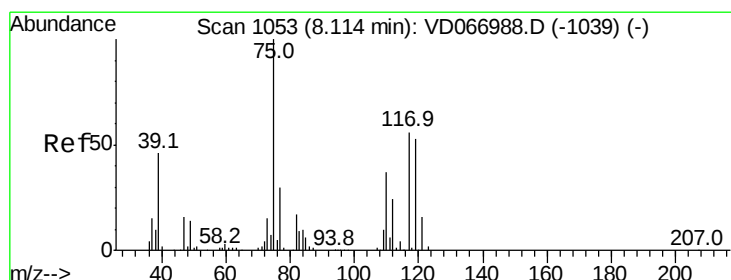
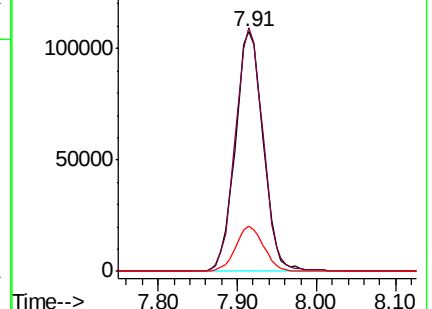
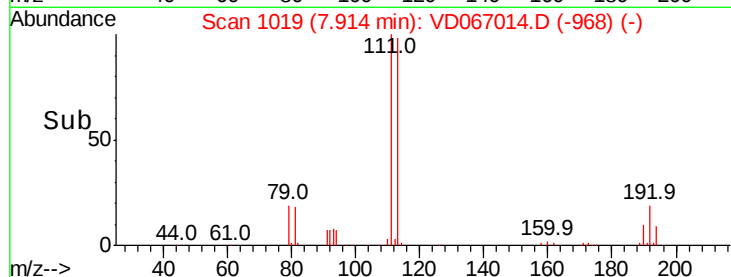
192 18.7 15.5 23.3



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: 4.738 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067014.D

Acq: 02 Oct 2020 02:24

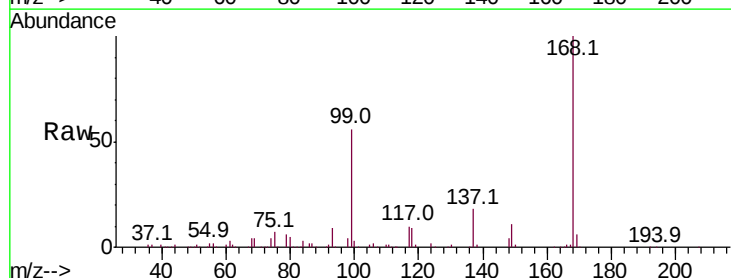
Tgt Ion: 75 Resp: 36309

Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.0#

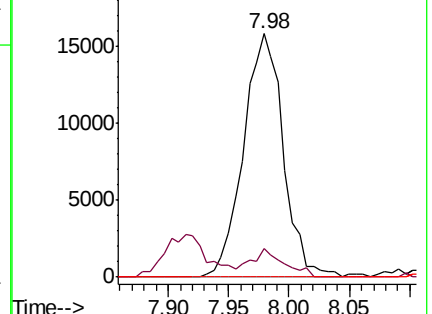
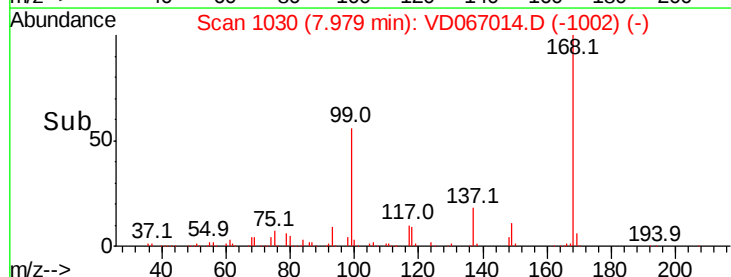
77 0.0 24.8 37.2#

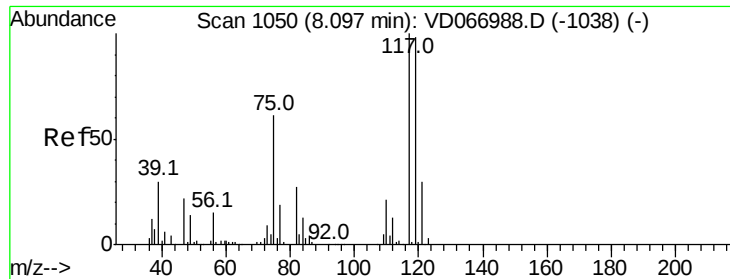


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.981 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067014.D

Acq: 02 Oct 2020 02:24

Instrument :

MSVOA_D

ClientSampleId :

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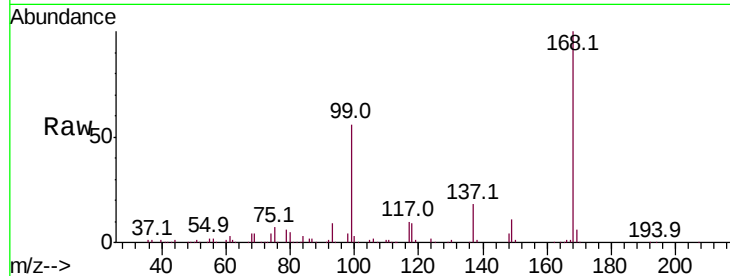
Tot Ion:117 Resp: 49593

Ion Ratio Lower Upper

117 100

119 6.1 78.7 118.1#

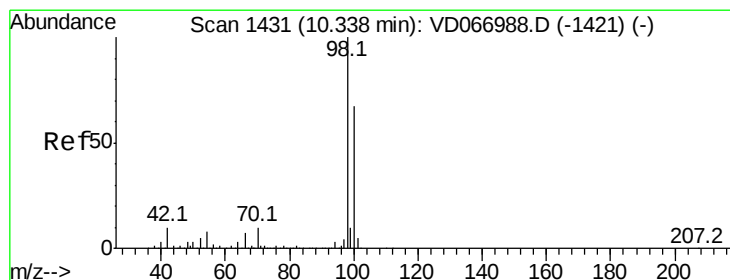
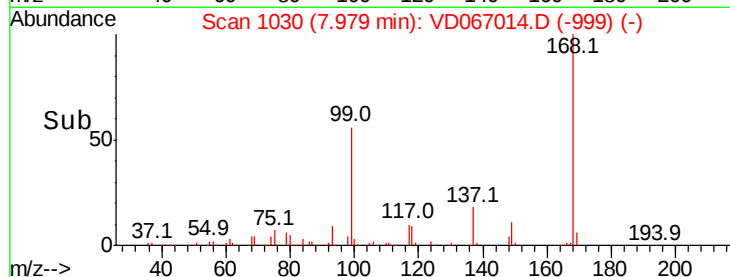
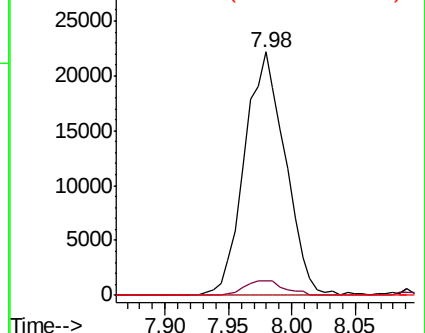
121 0.0 24.2 36.2#



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: 49.495 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067014.D

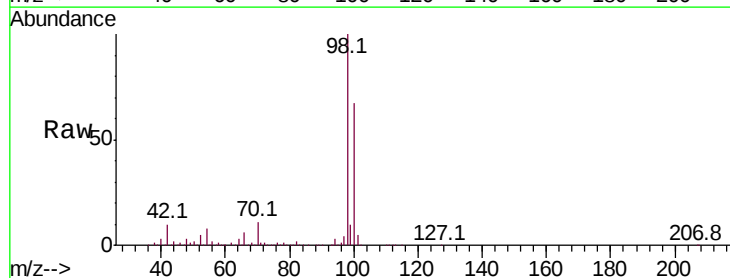
Acq: 02 Oct 2020 02:24

Tgt Ion: 98 Resp: 970717

Ion Ratio Lower Upper

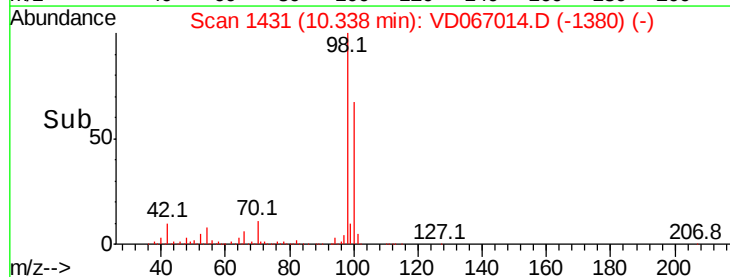
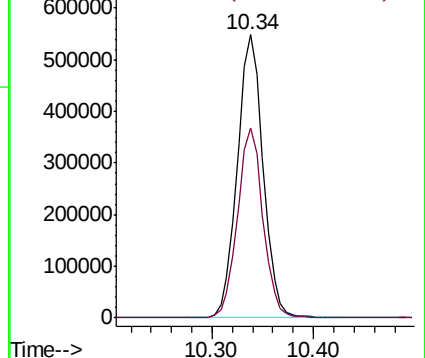
98 100

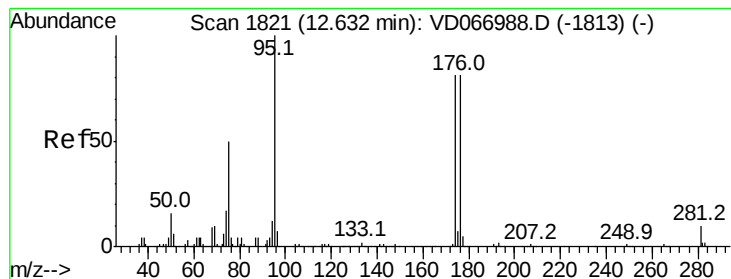
100 66.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.699 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067014.D

Acq: 02 Oct 2020 02:24

Instrument :

MSVOA_D

ClientSampleId :

RO-17

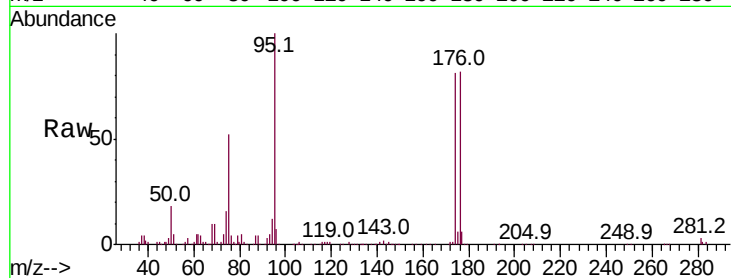
Tot Ion: 95 Resp: 310919

Ion Ratio Lower Upper

95 100

174 83.4 0.0 167.6

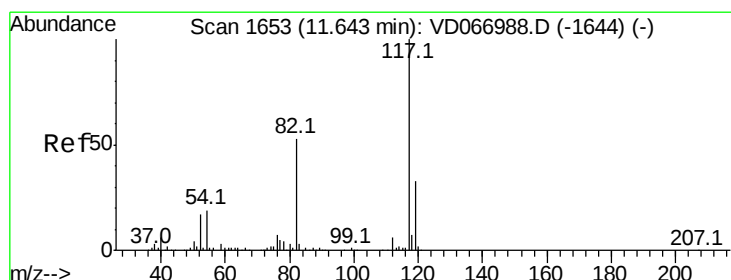
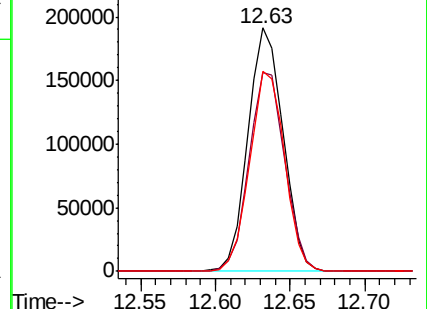
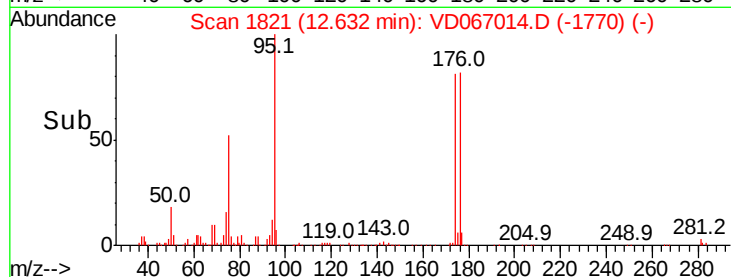
176 81.7 0.0 162.4



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: VD067014.D

Acq: 02 Oct 2020 02:24

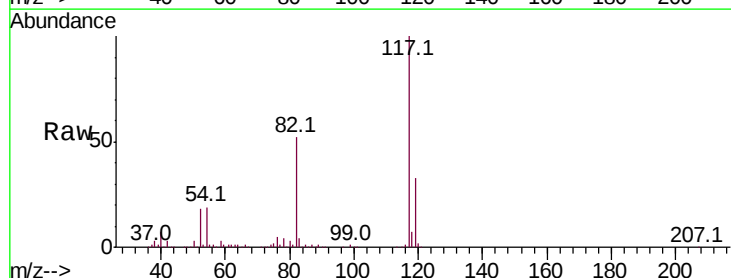
Tgt Ion: 117 Resp: 749152

Ion Ratio Lower Upper

117 100

82 51.8 42.6 63.8

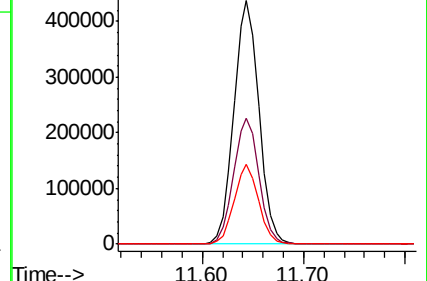
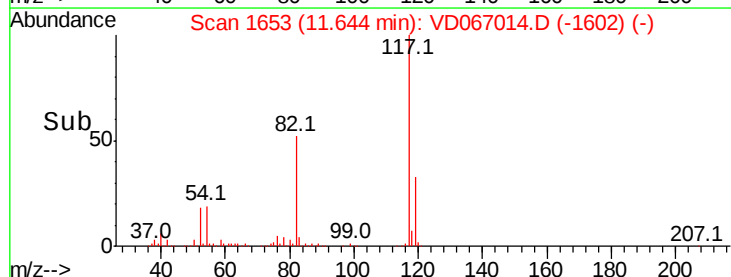
119 32.9 26.3 39.5

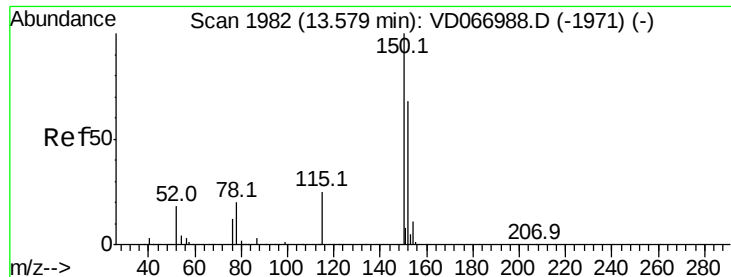


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067014.D

Acq: 02 Oct 2020 02:24

Instrument :

MSVOA_D

ClientSampleId :

RO-17

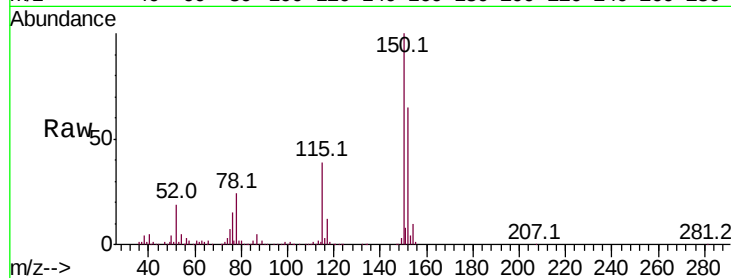
Tot Ion:152 Resp: 340418

Ion Ratio Lower Upper

152 100

115 59.3 29.6 88.8

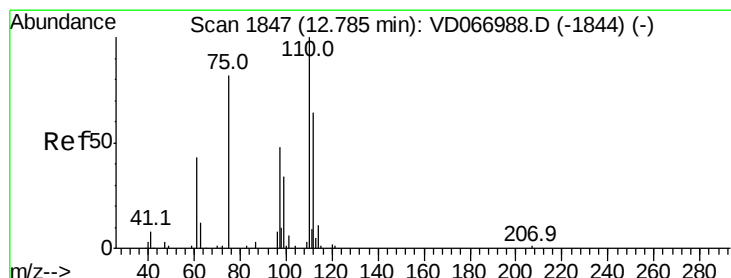
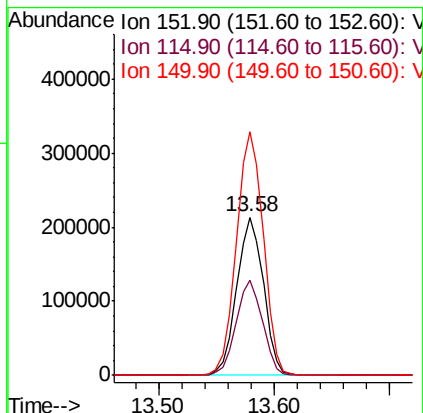
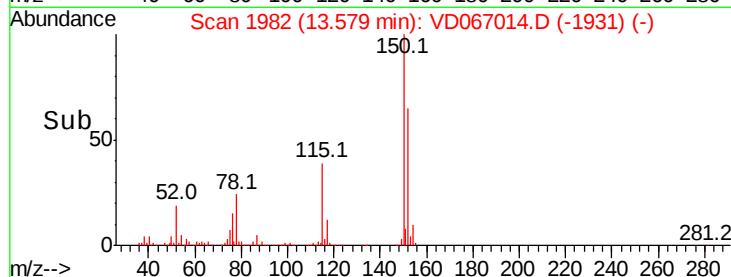
150 155.8 0.0 344.8



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: 53.511 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067014.D

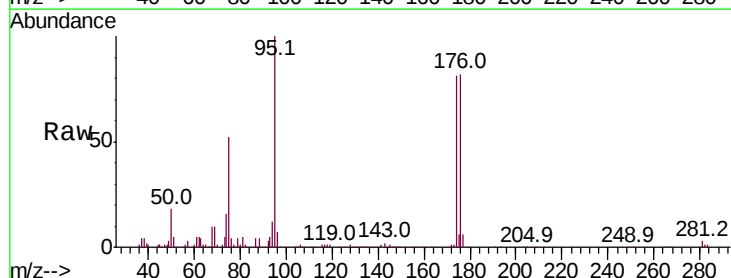
Acq: 02 Oct 2020 02:24

Tgt Ion: 75 Resp: 158667

Ion Ratio Lower Upper

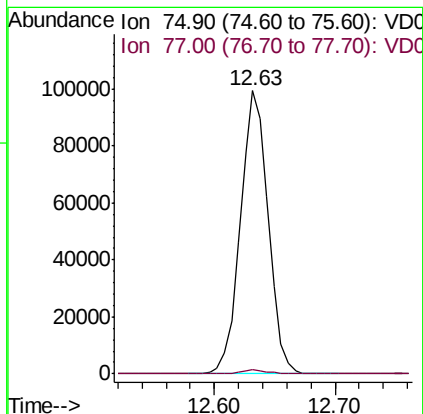
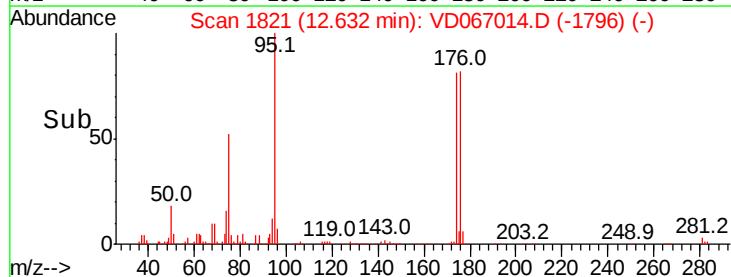
75 100

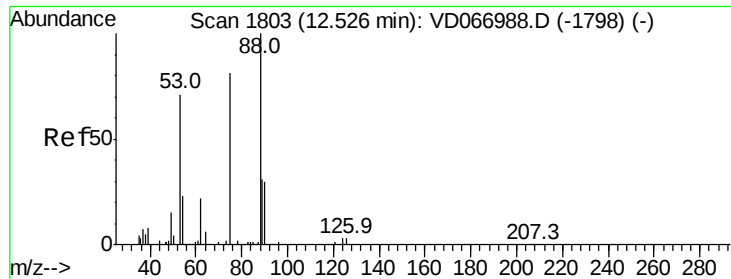
77 1.2 0.0 0.0#



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: 133.409 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067014.D

Acq: 02 Oct 2020 02:24

Instrument :

MSVOA_D

ClientSampleId :

RO-17

Tot Ion: 75 Resp: 158667

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#

