

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067041.D
 Acq On : 02 Oct 2020 17:48
 Operator : VA/SY
 Sample : L4198-22RE
 Misc : 6.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-17

Quant Time: Oct 03 04:49:38 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	576166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	972852	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	922852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	422390	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	274592	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
35) Dibromofluoromethane	7.91	113	299834	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	10.34	98	1186944	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.63	95	414229	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	

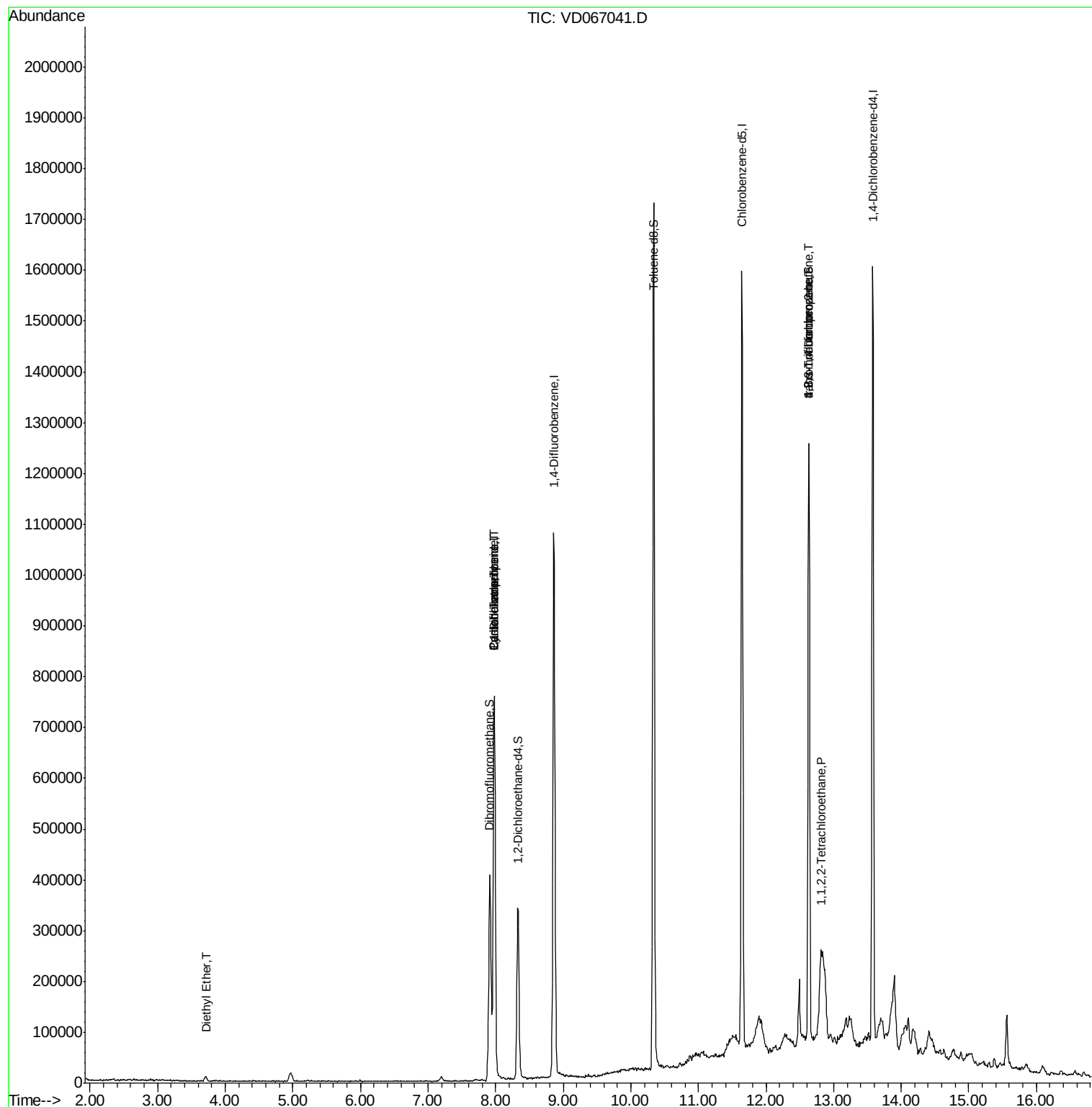
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	435	Below Cal	#	40
5) Bromomethane	2.79	94	386	Below Cal	#	4
8) Diethyl Ether	3.71	74	4048	1.597	ug/l	77
11) Tert butyl alcohol	5.21	59	1442	Below Cal	#	88
20) Methylene Chloride	4.97	84	14137	Below Cal	#	79
26) 2,2-Dichloropropane	7.20	77	718	Below Cal		86
31) Cyclohexane	7.98	56	12080	1.449	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	43164	4.760	ug/l #	49
38) Carbon Tetrachloride	7.98	117	60265	6.142	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	12.81	83	30884	6.391	ug/l #	34
76) 1,2,3-Trichloropropane	12.63	75	202942	55.160	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	202942	137.521	ug/l #	12

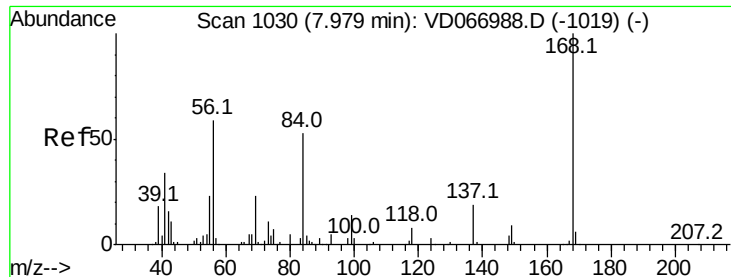
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
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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: VD067041.D

Acq: 02 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

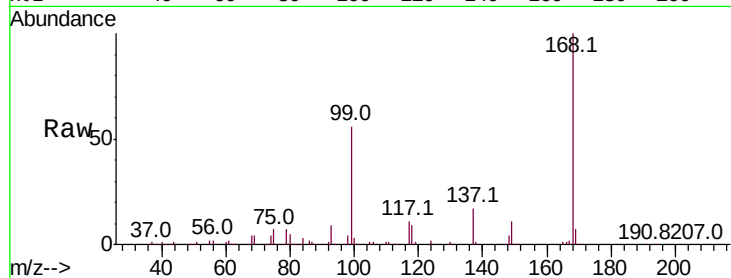
RO-17

Tot Ion:168 Resp: 576166

Ion Ratio Lower Upper

168 100

99 56.4 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

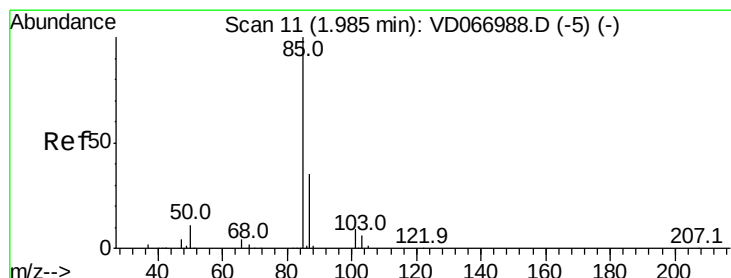
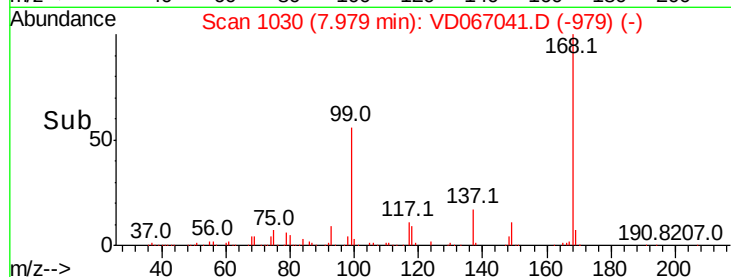
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067041.D

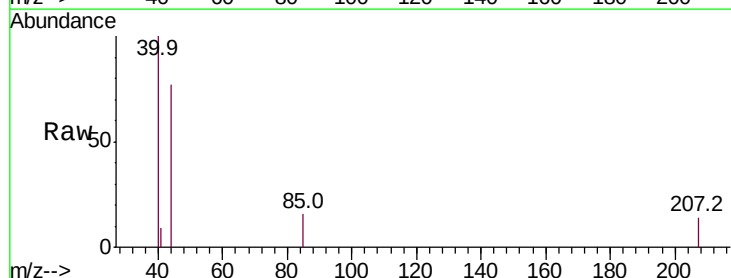
Acq: 02 Oct 2020 17:48

Tgt Ion: 85 Resp: 435

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

500

400

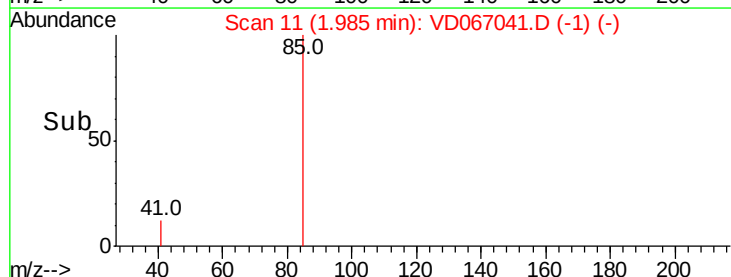
300

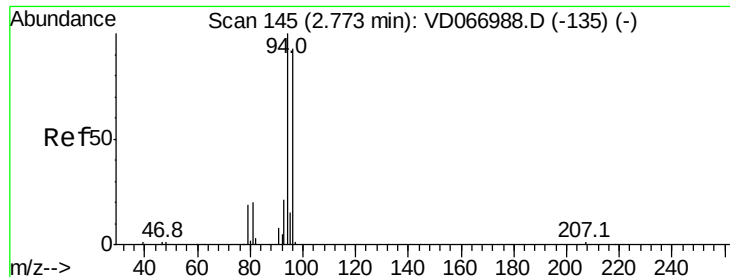
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067041.D

Acq: 02 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

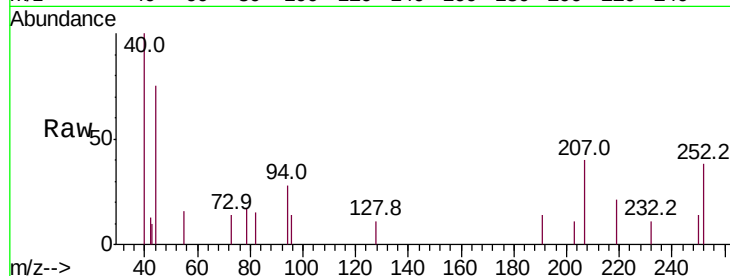
RO-17

Tot Ion: 94 Resp: 386

Ion Ratio Lower Upper

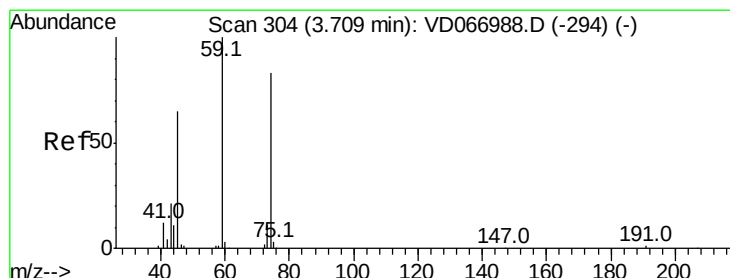
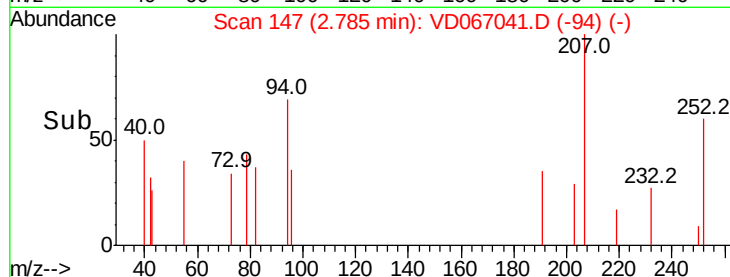
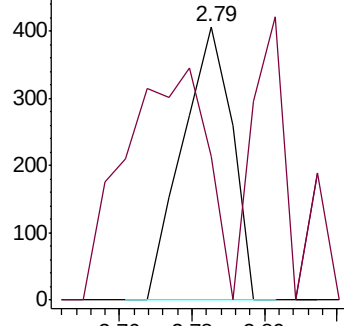
94 100

96 0.7 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: 1.597 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD067041.D

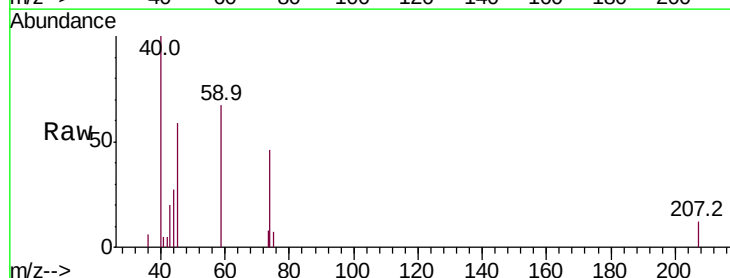
Acq: 02 Oct 2020 17:48

Tgt Ion: 74 Resp: 4048

Ion Ratio Lower Upper

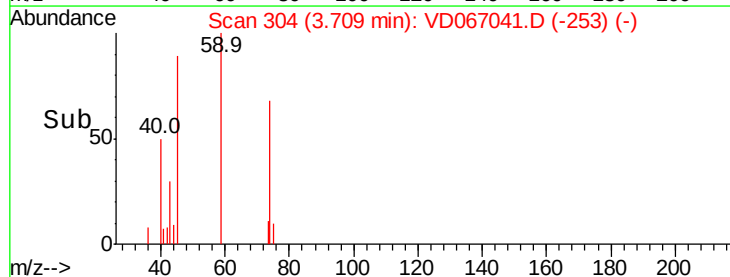
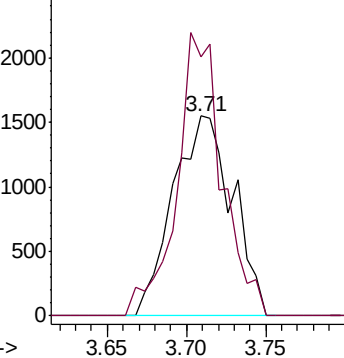
74 100

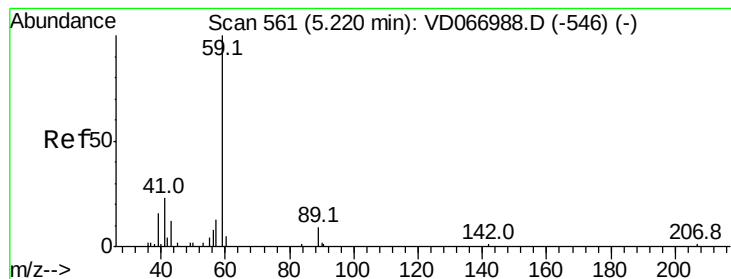
45 107.5 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



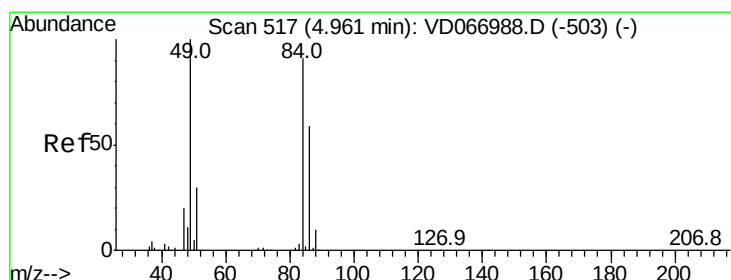
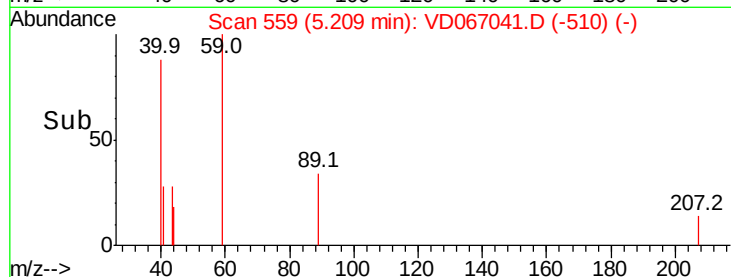
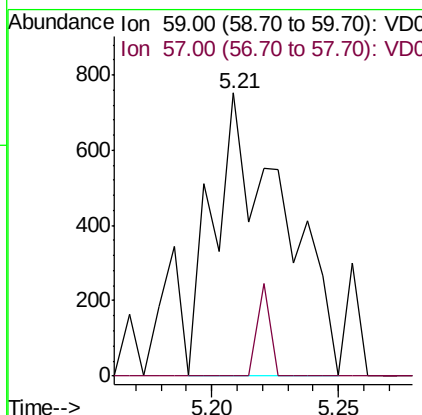
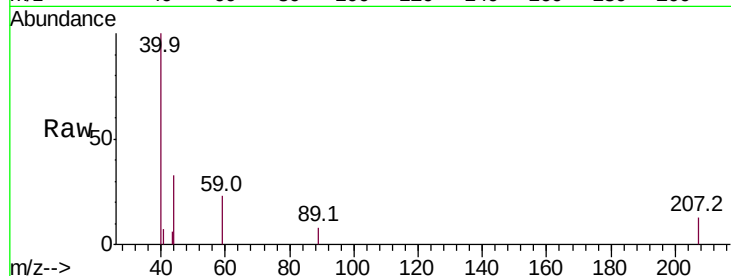


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD067041.D
Acq: 02 Oct 2020 17:48

Instrument :
MSVOA_D
ClientSampled :
RO-17

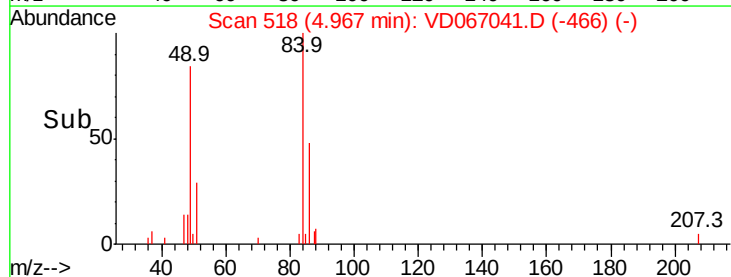
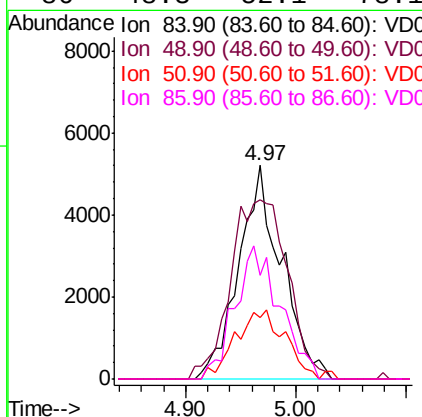
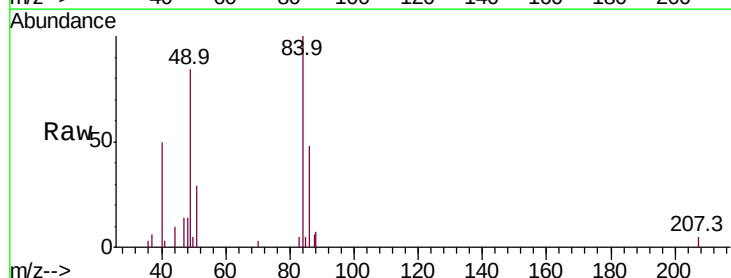
Tot Ion: 59 Resp: 1442
Ion Ratio Lower Upper
59 100
57 6.0 8.2 12.4#

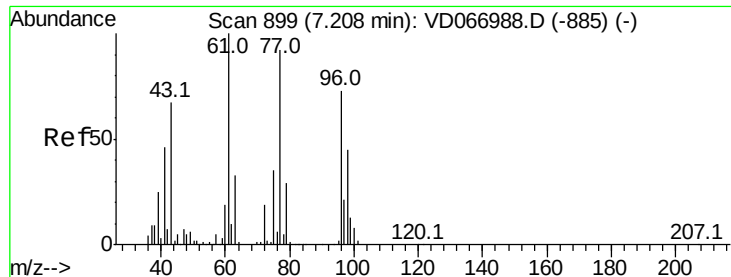


#20

Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067041.D
Acq: 02 Oct 2020 17:48

Tgt Ion: 84 Resp: 14137
Ion Ratio Lower Upper
84 100
49 83.8 88.2 132.2#
51 28.9 26.6 39.8
86 48.3 52.1 78.1#

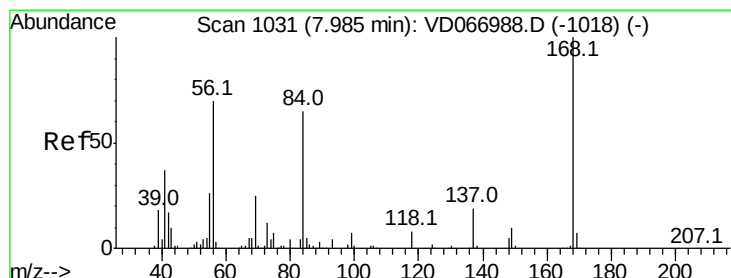
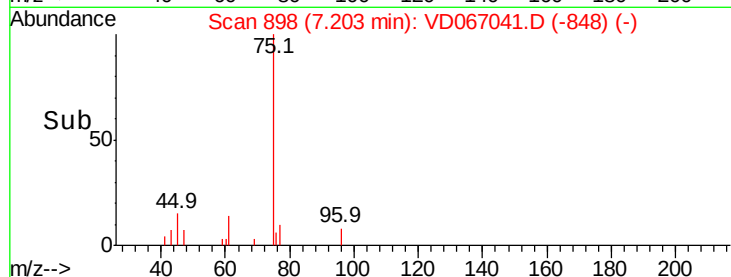
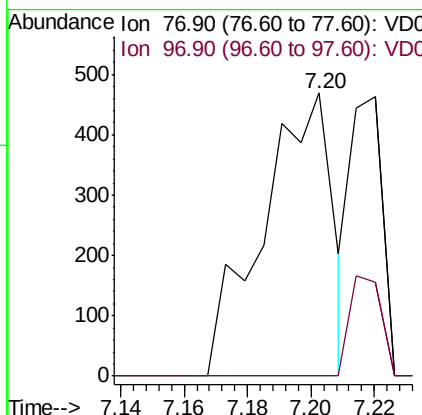
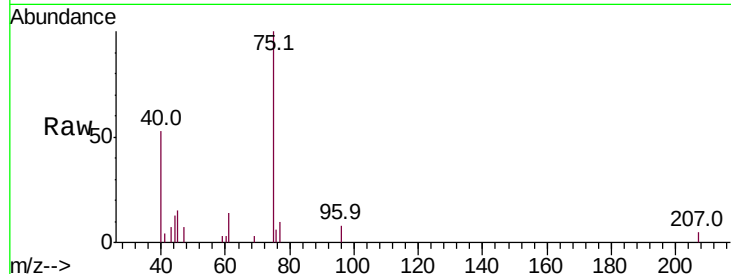




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067041.D
Acq: 02 Oct 2020 17:48

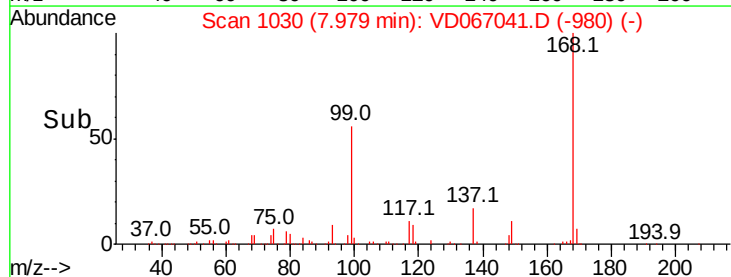
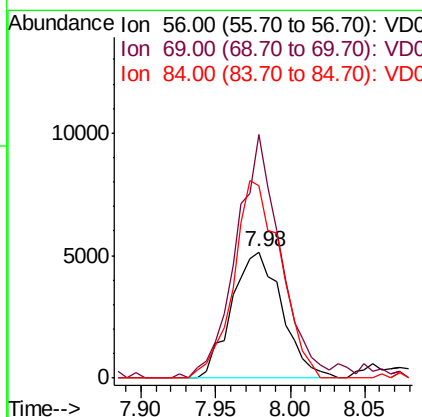
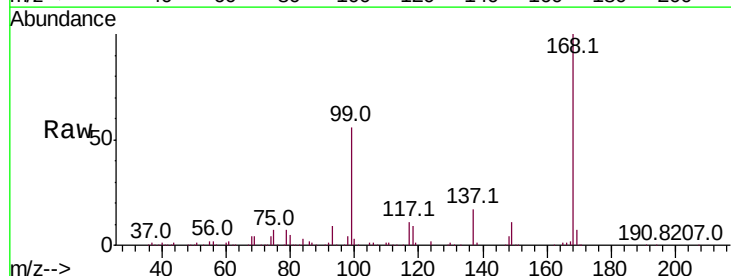
Instrument :
MSVOA_D
ClientSampled :
RO-17

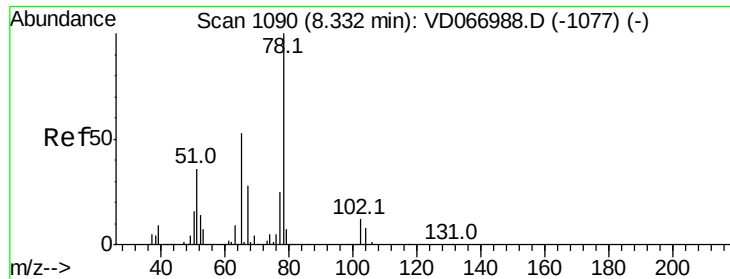
Tot Ion: 77 Resp: 718
Ion Ratio Lower Upper
77 100
97 15.9 11.4 34.2



#31
Cyclohexane
Concen: 1.449 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067041.D
Acq: 02 Oct 2020 17:48

Tgt Ion: 56 Resp: 12080
Ion Ratio Lower Upper
56 100
69 193.0 29.0 43.6#
84 152.1 74.2 111.2#

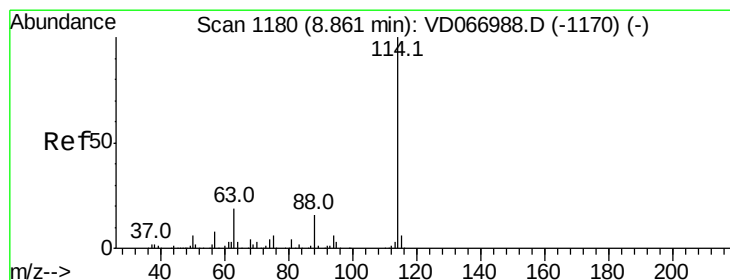
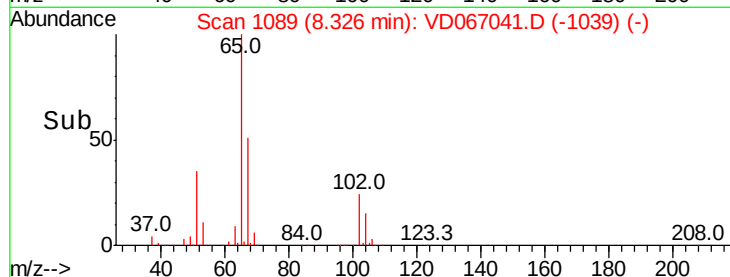
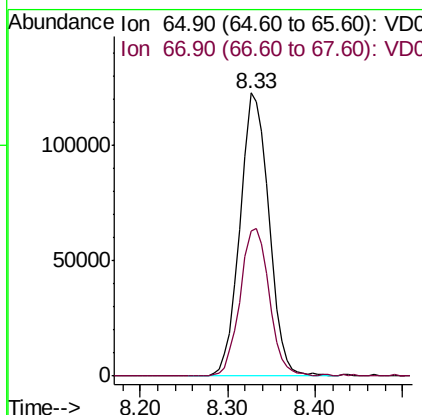
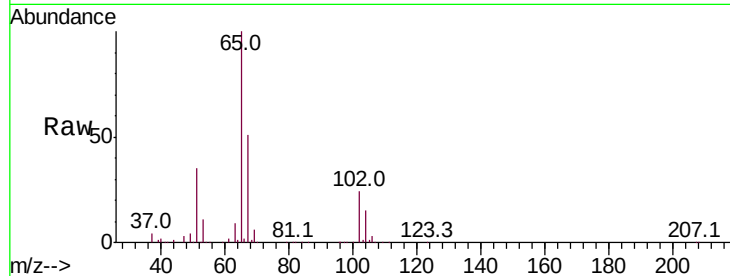




#33
 1,2-Dichloroethane-d4
 Concen: 49.480 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD067041.D
 Acq: 02 Oct 2020 17:48

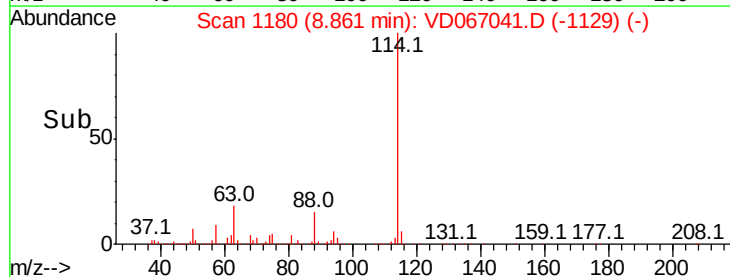
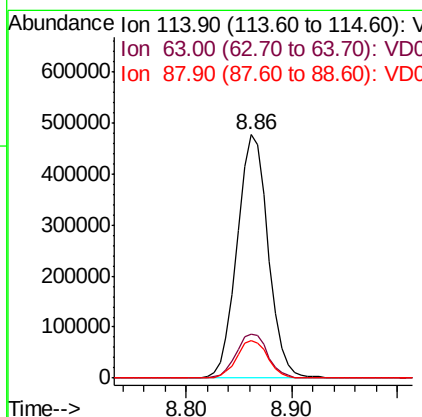
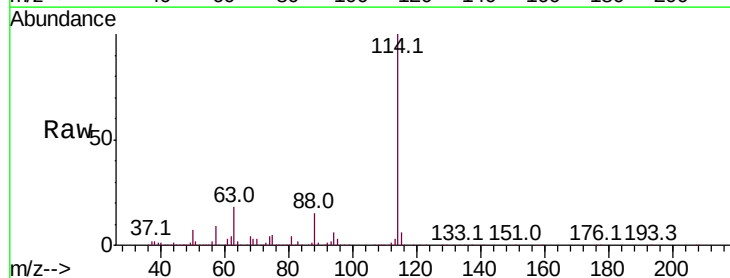
Instrument :
 MSVOA_D
 ClientSampled :
 RO-17

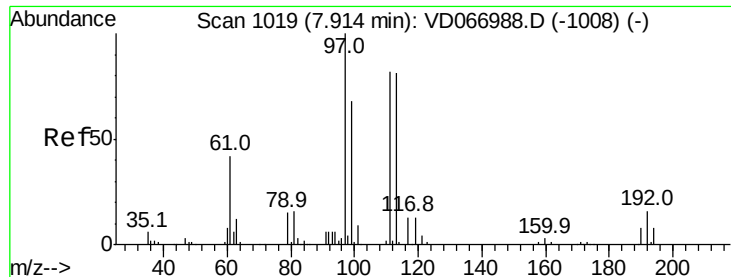
Tot Ion: 65 Resp: 274592
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067041.D
 Acq: 02 Oct 2020 17:48

Tgt Ion: 114 Resp: 972852
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.4
 88 15.3 0.0 31.2

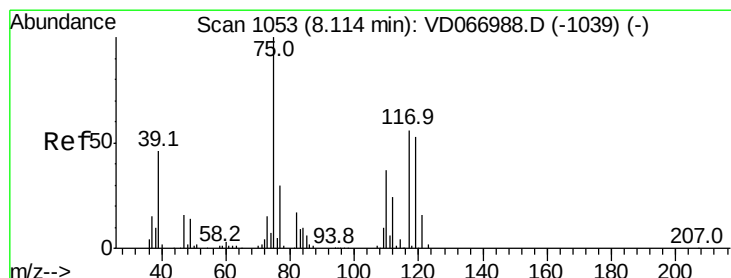
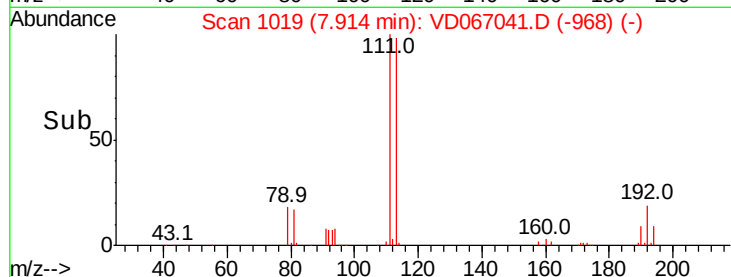
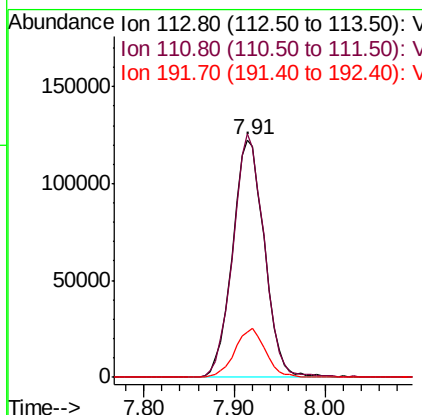
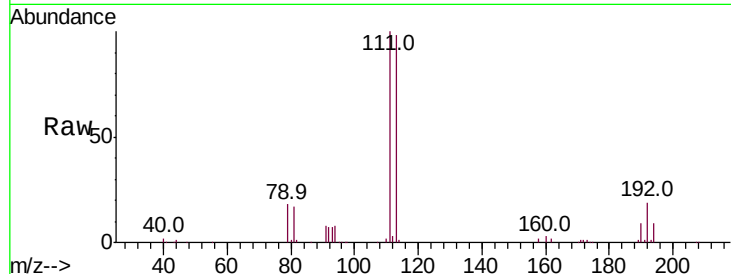




#35
 Dibromofluoromethane
 Concen: 47.077 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067041.D
 Acq: 02 Oct 2020 17:48

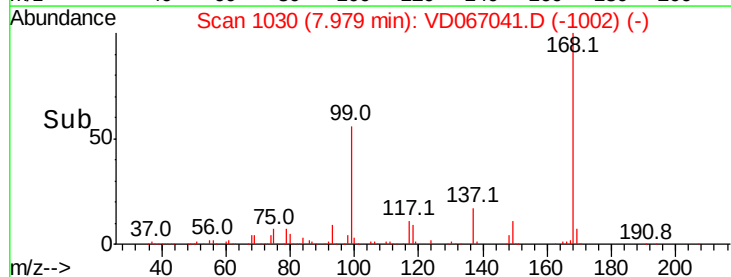
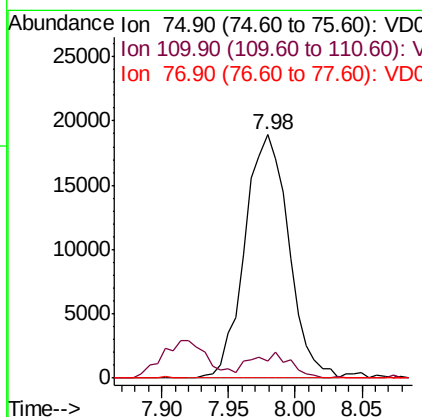
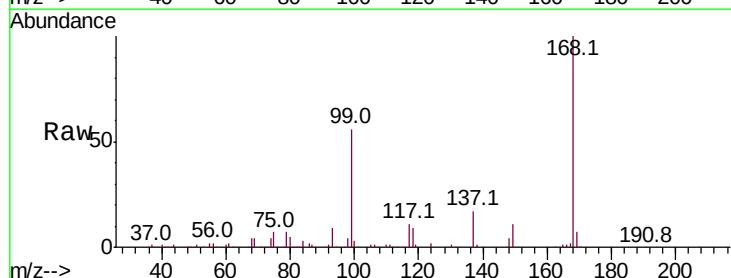
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-17

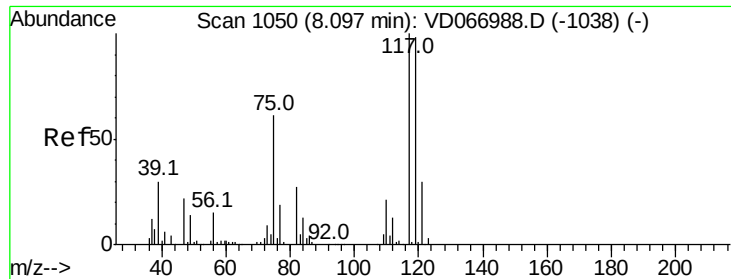
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.0	124.4
192	19.6	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.760 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067041.D
 Acq: 02 Oct 2020 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.4	55.0#
77	0.0	24.8	37.2#

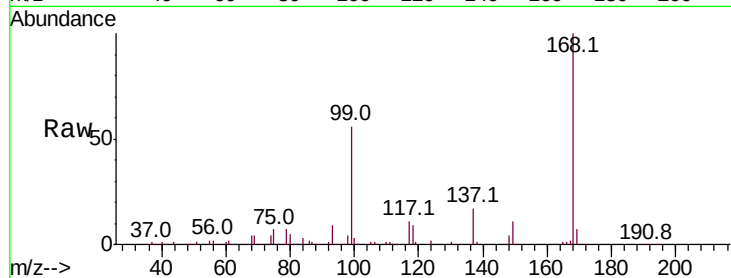




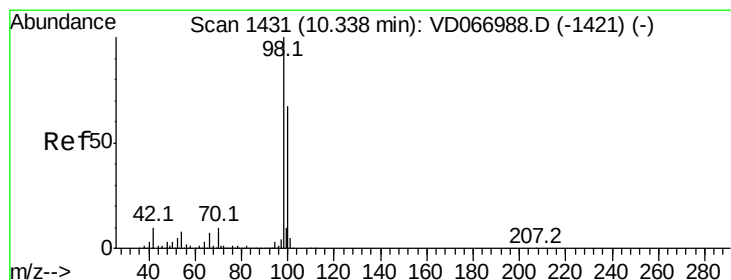
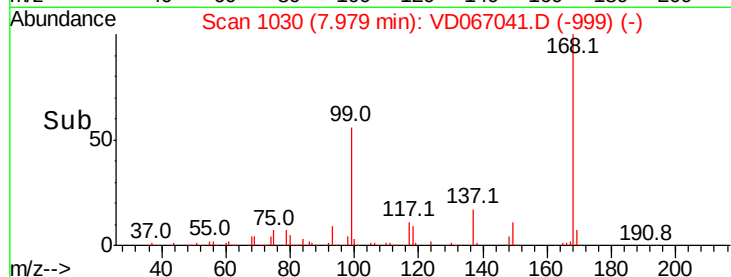
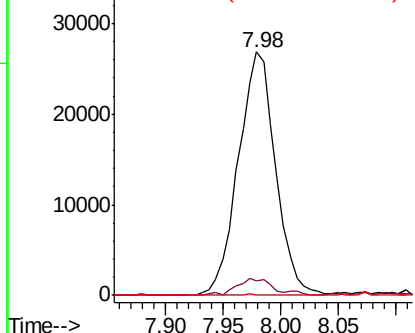
#38
Carbon Tetrachloride
Concen: 6.142 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067041.D
Acq: 02 Oct 2020 17:48

Instrument :
MSVOA_D
ClientSampleId :
RO-17

Tot Ion:117 Resp: 60265
Ion Ratio Lower Upper
117 100
119 5.9 78.7 118.1#
121 0.0 24.2 36.2#

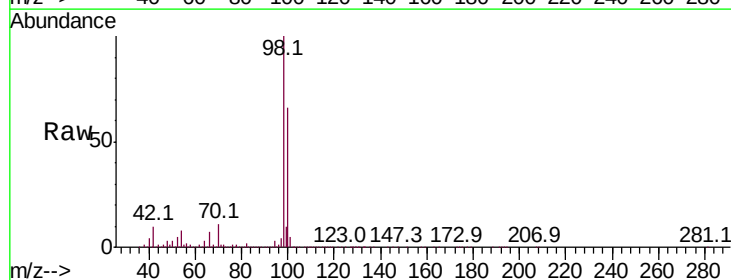


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

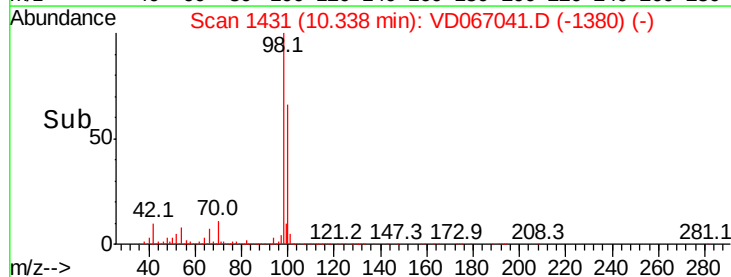
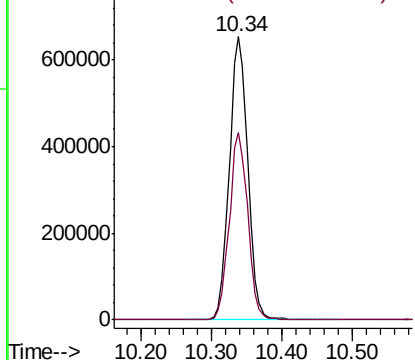


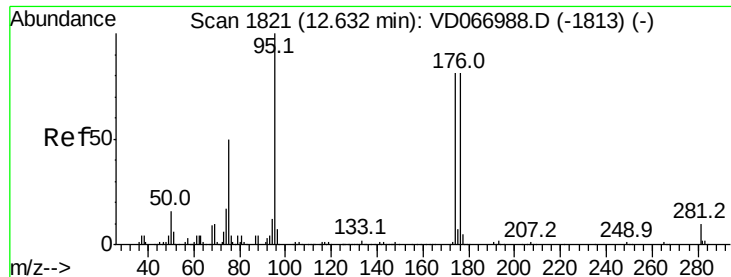
#50
Toluene-d8
Concen: 51.143 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067041.D
Acq: 02 Oct 2020 17:48

Tgt Ion: 98 Resp: 1186944
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

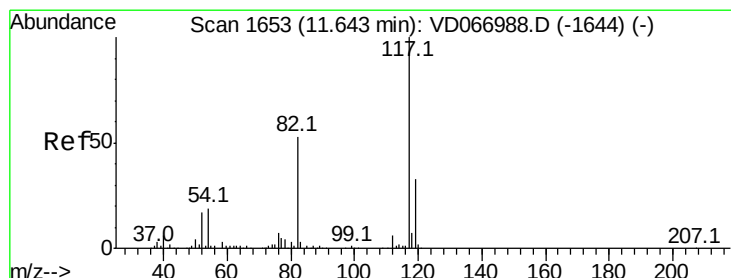
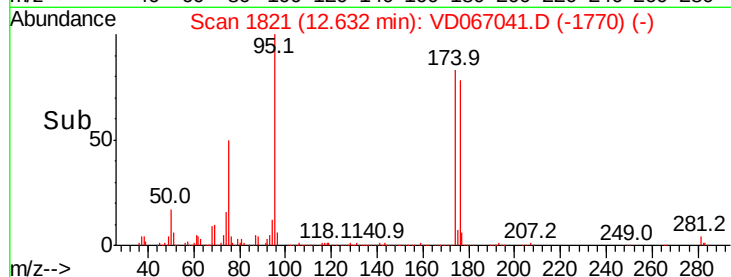
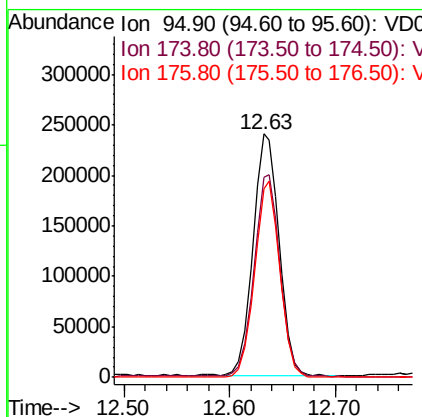
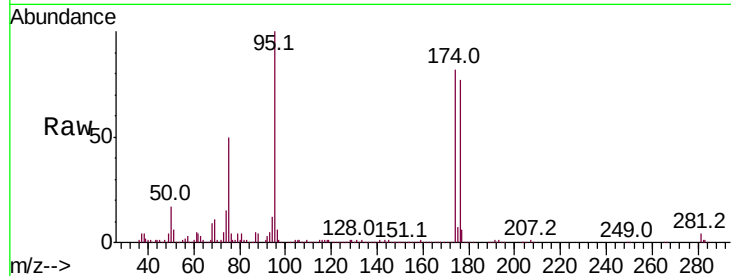




#62
4-Bromofluorobenzene
Concen: 52.576 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067041.D
Acq: 02 Oct 2020 17:48

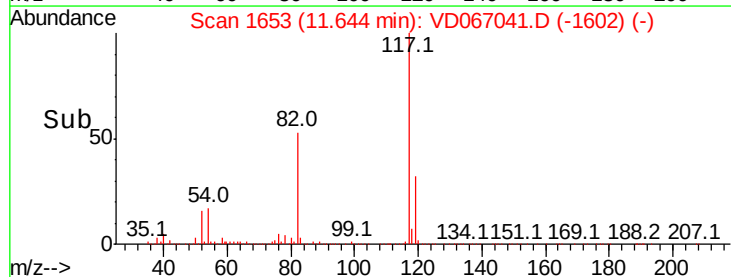
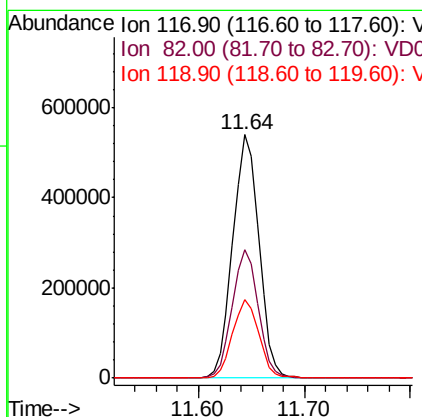
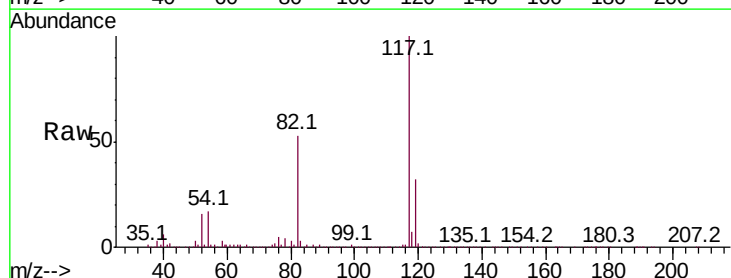
Instrument :
MSVOA_D
ClientSampleId :
RO-17

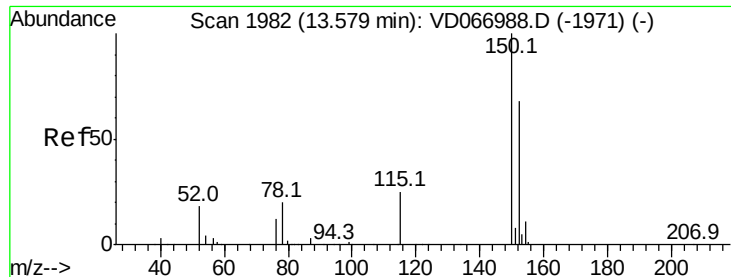
Tot Ion: 95 Resp: 414229
Ion Ratio Lower Upper
95 100
174 83.1 0.0 167.6
176 78.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067041.D
Acq: 02 Oct 2020 17:48

Tgt Ion: 117 Resp: 922852
Ion Ratio Lower Upper
117 100
82 52.8 42.6 63.8
119 32.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067041.D

Acq: 02 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

RO-17

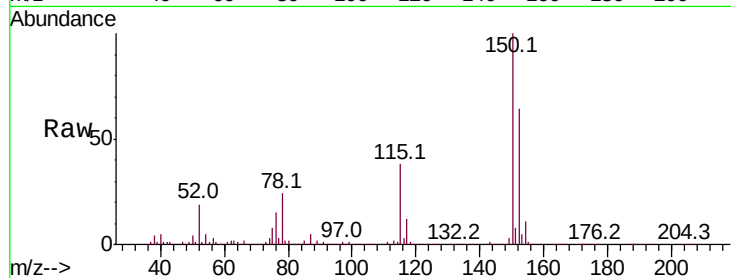
Tot Ion:152 Resp: 422390

Ion Ratio Lower Upper

152 100

115 60.2 29.6 88.8

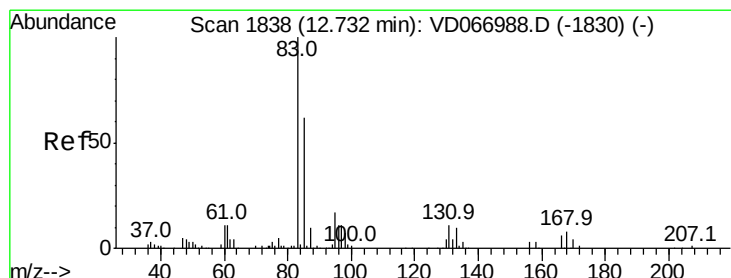
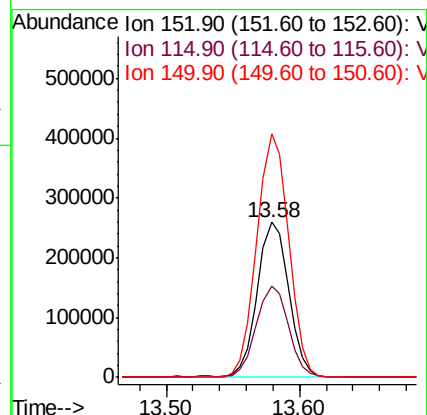
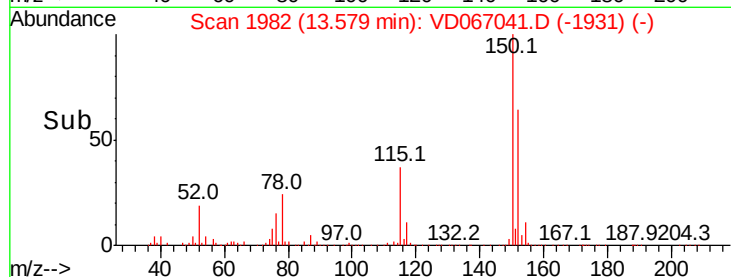
150 159.1 0.0 344.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: 6.391 ug/l

RT: 12.81 min Scan# 1852

Delta R.T. 0.08 min

Lab File: VD067041.D

Acq: 02 Oct 2020 17:48

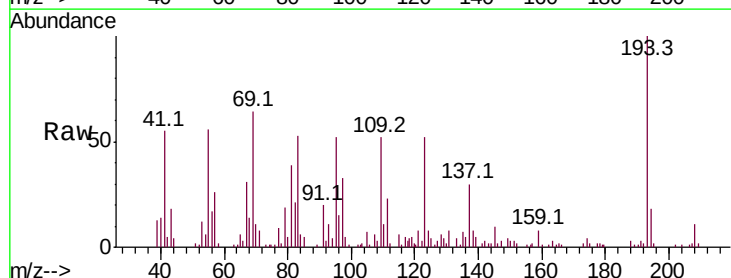
Tgt Ion: 83 Resp: 30884

Ion Ratio Lower Upper

83 100

131 2.6 5.7 17.0#

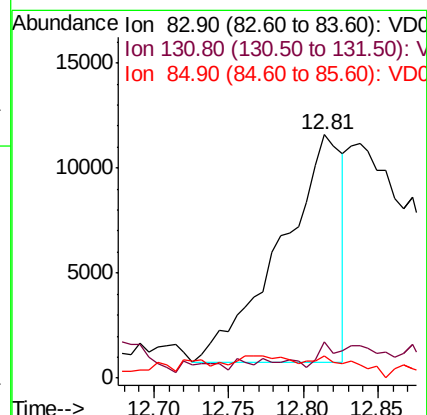
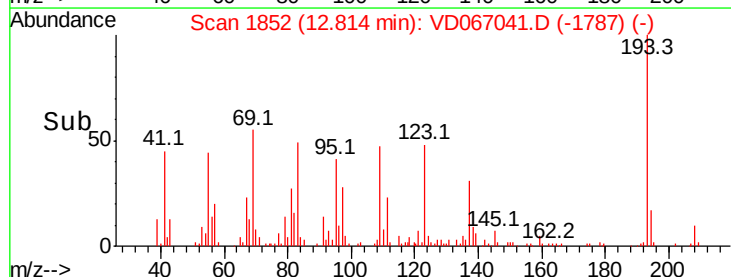
85 6.6 32.0 96.2#

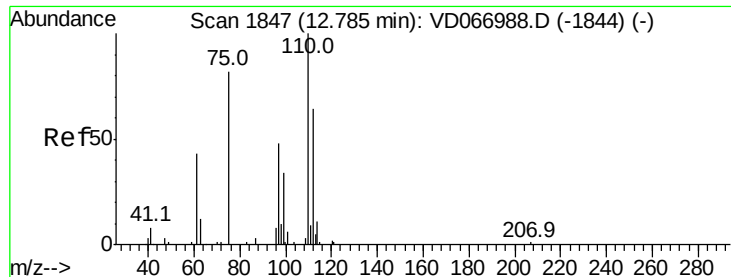


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 55.160 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067041.D

Acq: 02 Oct 2020 17:48

Instrument :

MSVOA_D

ClientSampleId :

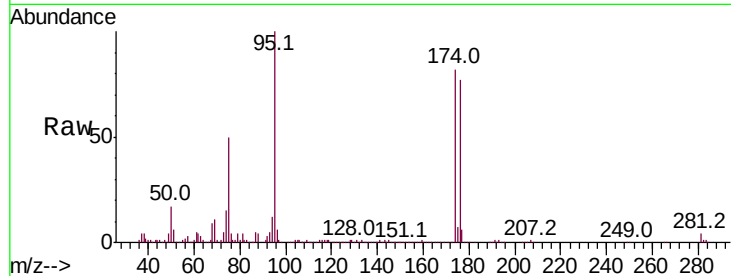
RO-17

Tot Ion: 75 Resp: 202942

Ion Ratio Lower Upper

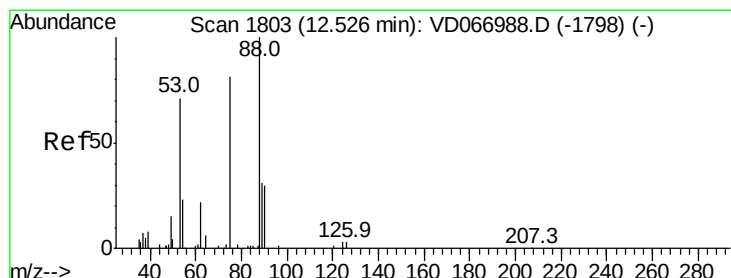
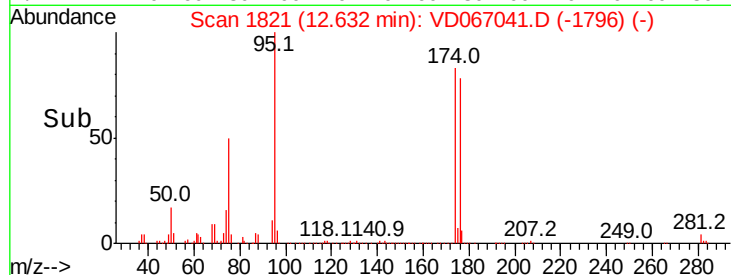
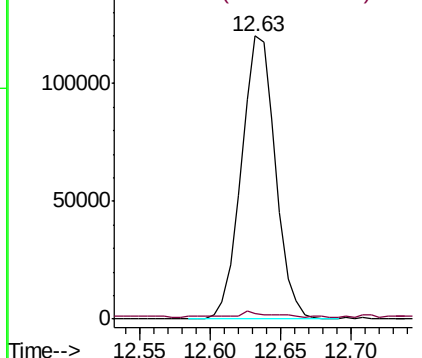
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 137.521 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067041.D

Acq: 02 Oct 2020 17:48

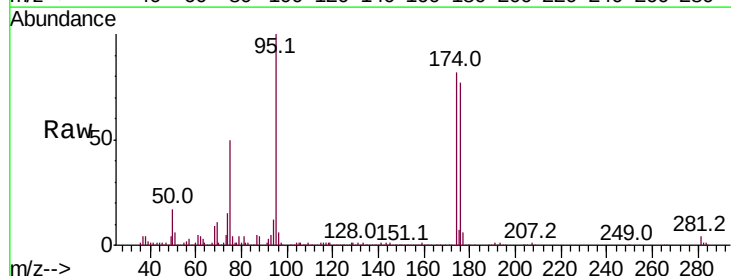
Tgt Ion: 75 Resp: 202942

Ion Ratio Lower Upper

75 100

53 0.5 73.8 110.6#

89 0.0 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

