

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067015.D
 Acq On : 02 Oct 2020 02:52
 Operator : VA/SY
 Sample : L4198-28
 Misc : 6.33G/5.00ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-19

Quant Time: Oct 02 04:13:58 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	493255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	827617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	760024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	342871	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	245046	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	7.91	113	268367	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.34	98	976953	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.63	95	309584	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	

Target Compounds

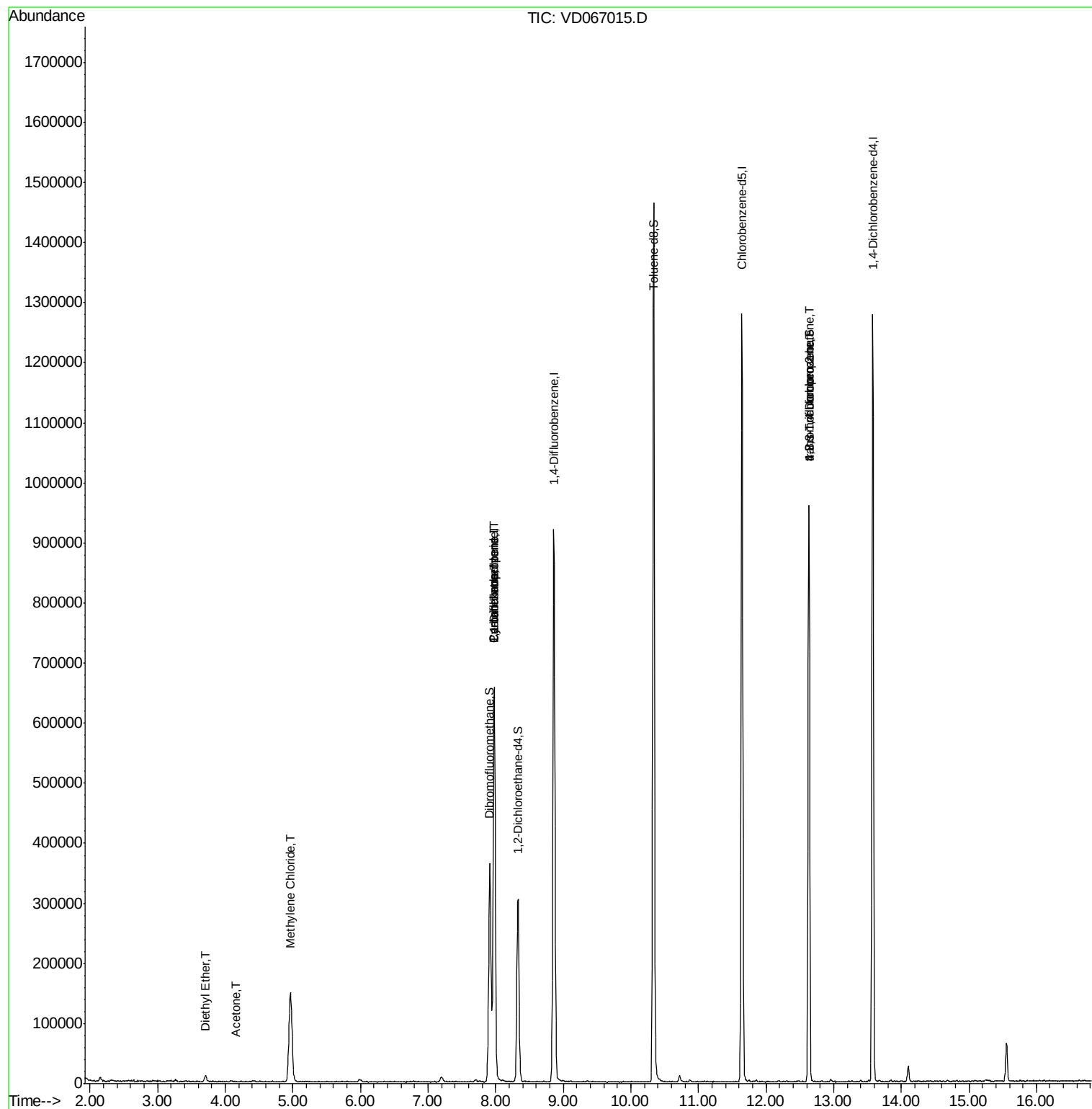
					Qvalue
2) Dichlorodifluoromethane	1.99	85	756	Below Cal	87
5) Bromomethane	2.77	94	423	Below Cal #	3
8) Diethyl Ether	3.71	74	5091	2.346 ug/l	90
11) Tert butyl alcohol	5.21	59	1444	Below Cal #	72
16) Acetone	4.16	43	795	1.096 ug/l	95
20) Methylene Chloride	4.97	84	123870	19.653 ug/l	97
26) 2,2-Dichloropropane	7.20	77	1243	Below Cal #	53
31) Cyclohexane	7.97	56	9910	1.389 ug/l #	4
36) 1,1-Dichloropropene	7.97	75	36158	4.687 ug/l #	51
38) Carbon Tetrachloride	7.97	117	48781	5.844 ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	161482	54.070 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	161482	134.804 ug/l #	12

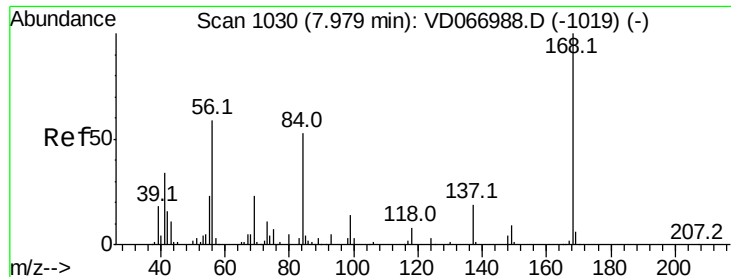
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100120\
Data File : VD067015.D
Acq On : 02 Oct 2020 02:52
Operator : VA/SY
Sample : L4198-28
Misc : 6.33G/5.00ml/MSVOA D/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RO-19

Quant Time: Oct 02 04:13:58 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

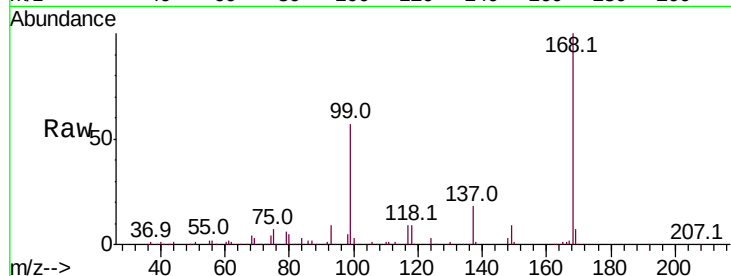




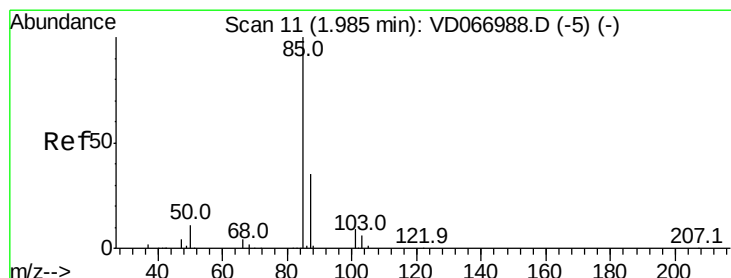
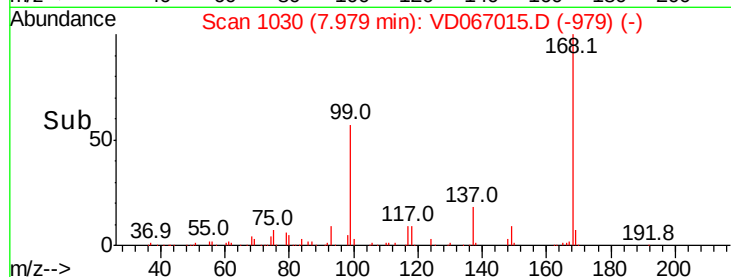
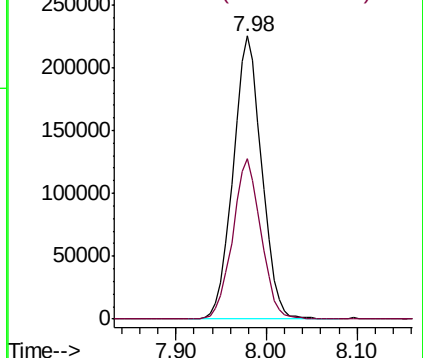
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD067015.D
Acq: 02 Oct 2020 02:52

Instrument :
MSVOA_D
ClientSampleID :
RO-19

Tot Ion:168 Resp: 493255
Ion Ratio Lower Upper
168 100
99 56.8 44.1 66.1

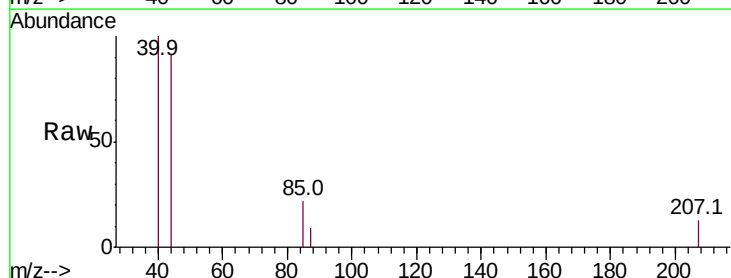


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

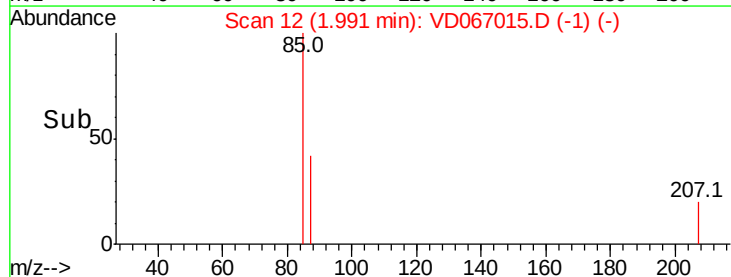
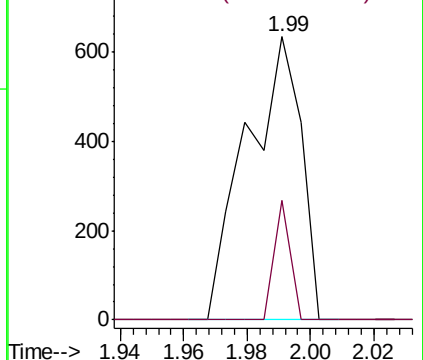


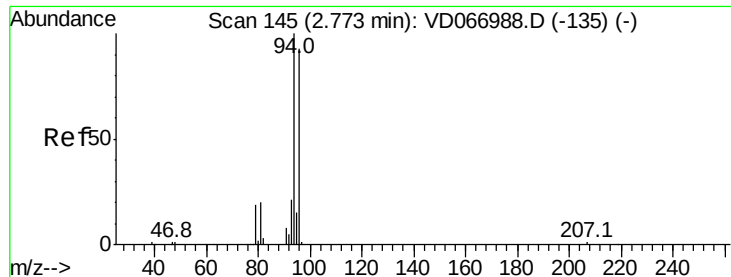
#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.99 min Scan# 12
Delta R.T. 0.01 min
Lab File: VD067015.D
Acq: 02 Oct 2020 02:52

Tgt Ion: 85 Resp: 756
Ion Ratio Lower Upper
85 100
87 42.1 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC
Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067015.D

Acq: 02 Oct 2020 02:52

Instrument :

MSVOA_D

ClientSampleId :

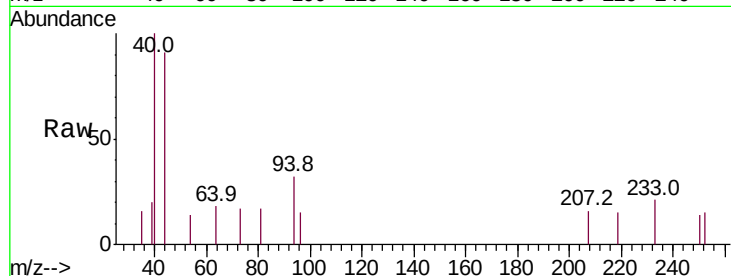
RO-19

Tot Ion: 94 Resp: 423

Ion Ratio Lower Upper

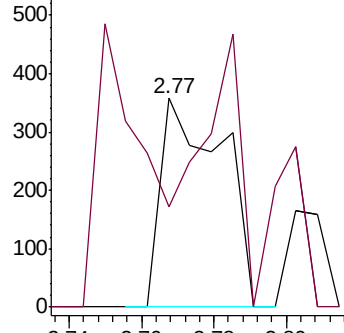
94 100

96 0.0 74.6 112.0#

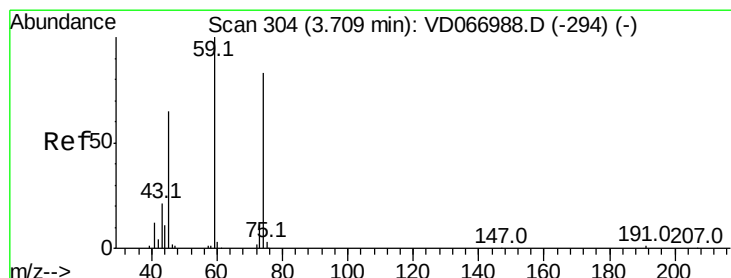
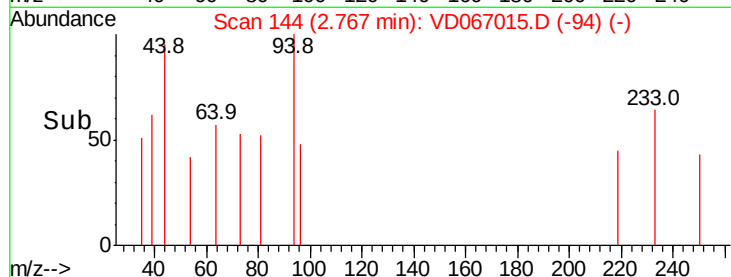


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#8

Diethyl Ether

Concen: 2.346 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD067015.D

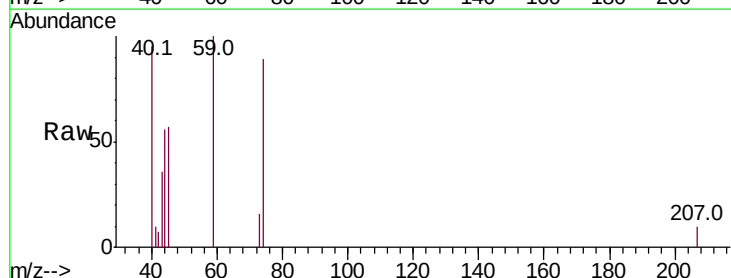
Acq: 02 Oct 2020 02:52

Tgt Ion: 74 Resp: 5091

Ion Ratio Lower Upper

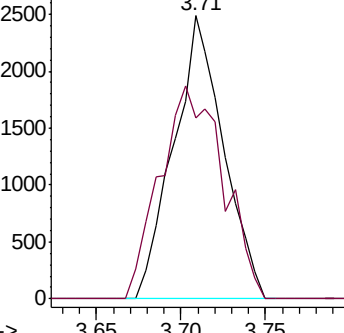
74 100

45 95.4 43.1 129.3

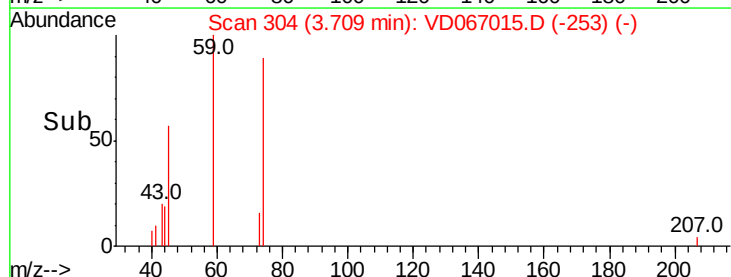


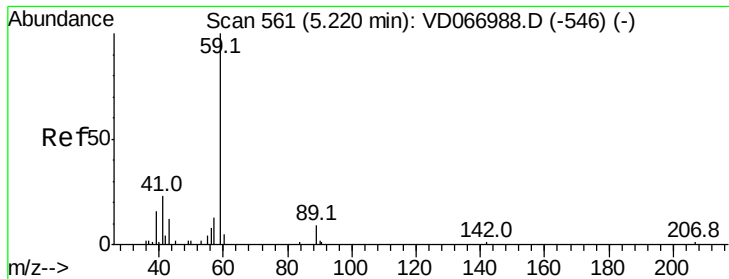
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



Time-->



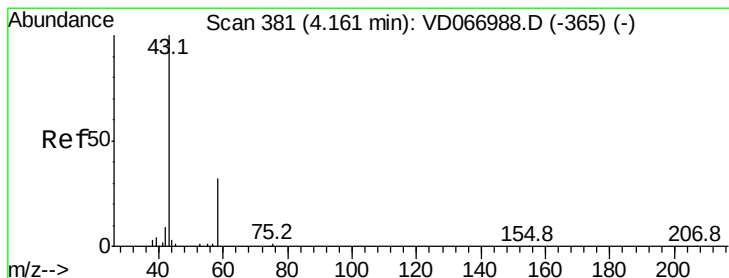
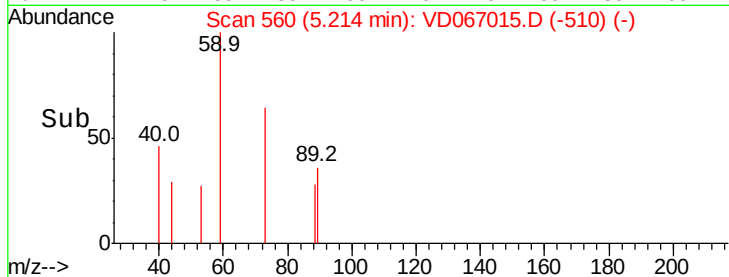
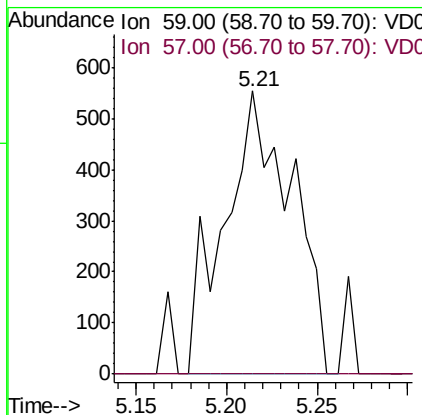
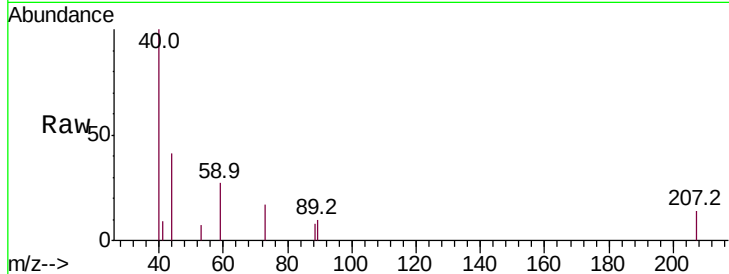


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067015.D
 Acq: 02 Oct 2020 02:52

Instrument :
 MSVOA_D
 ClientSampled :
 RO-19

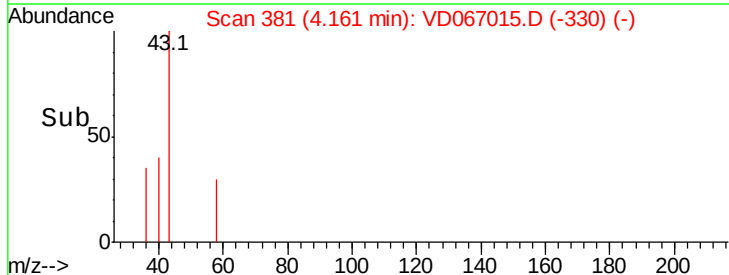
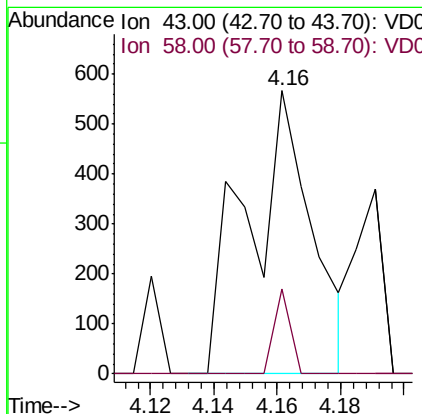
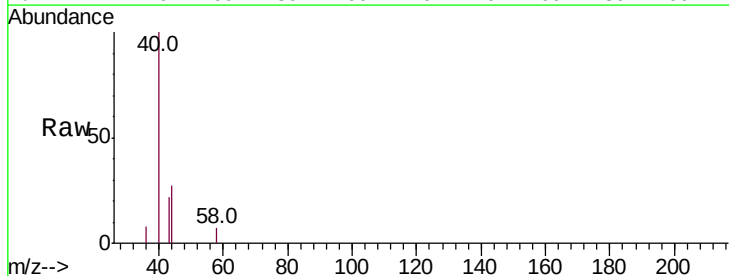
Tot Ion: 59 Resp: 1444
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

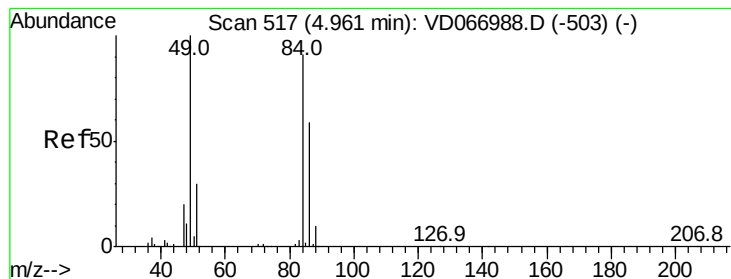


#16

Acetone
 Concen: 1.096 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD067015.D
 Acq: 02 Oct 2020 02:52

Tgt Ion: 43 Resp: 795
 Ion Ratio Lower Upper
 43 100
 58 29.8 25.9 38.9





#20

Methylene Chloride

Concen: 19.653 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067015.D

Acq: 02 Oct 2020 02:52

Instrument :

MSVOA_D

ClientSampleId :

RO-19

Tot Ion: 84 Resp: 123870

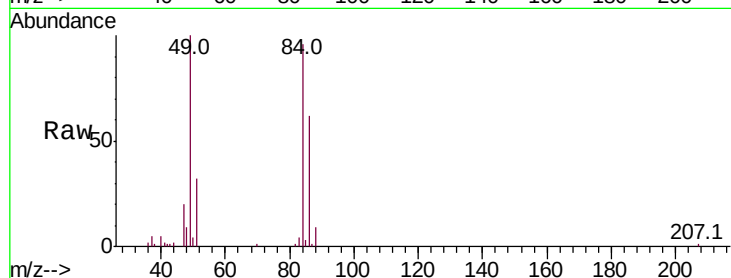
Ion Ratio Lower Upper

84 100

49 104.0 88.2 132.2

51 33.0 26.6 39.8

86 64.3 52.1 78.1

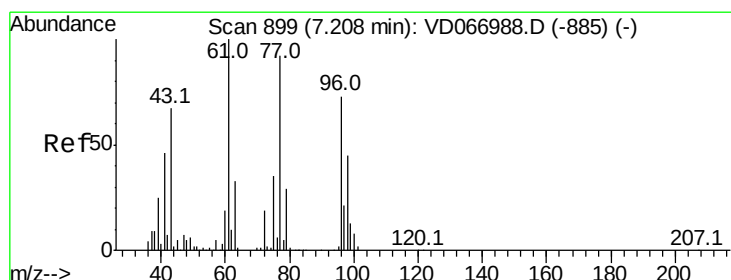
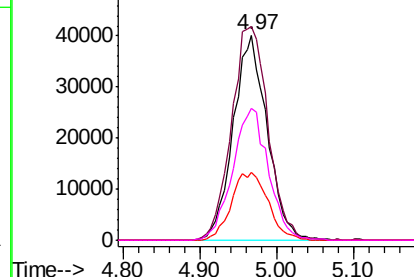
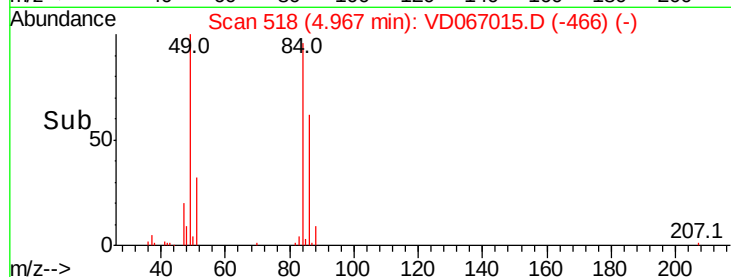


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067015.D

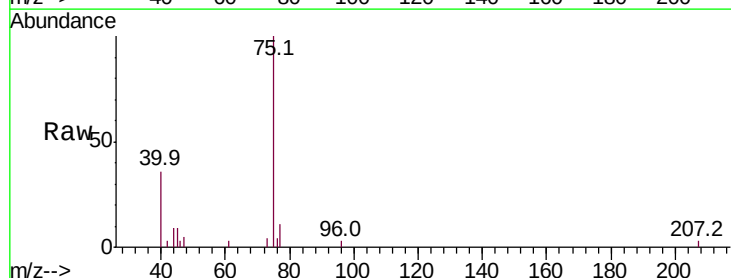
Acq: 02 Oct 2020 02:52

Tgt Ion: 77 Resp: 1243

Ion Ratio Lower Upper

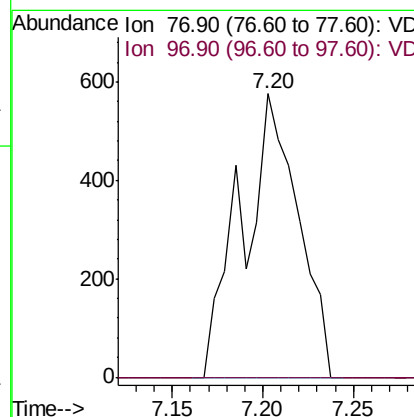
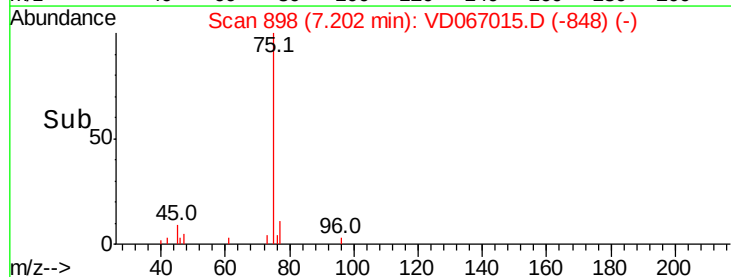
77 100

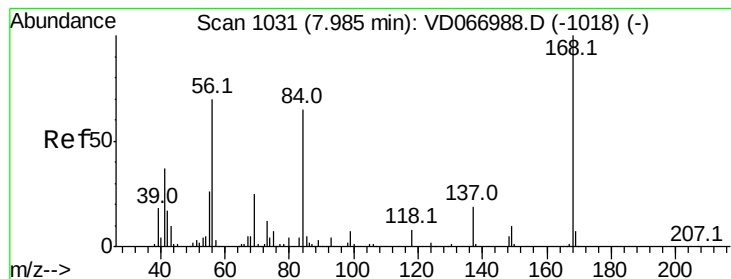
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#31

Cyclohexane

Concen: 1.389 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD067015.D

Acq: 02 Oct 2020 02:52

Instrument :

MSVOA_D

ClientSampled :

RO-19

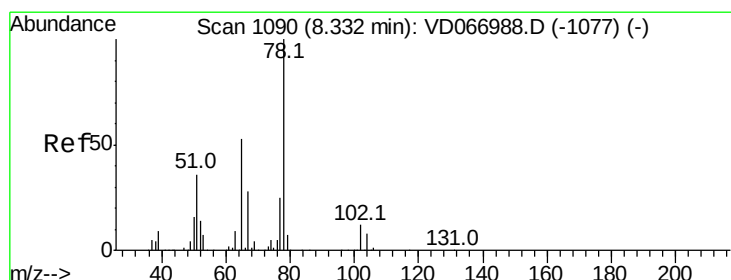
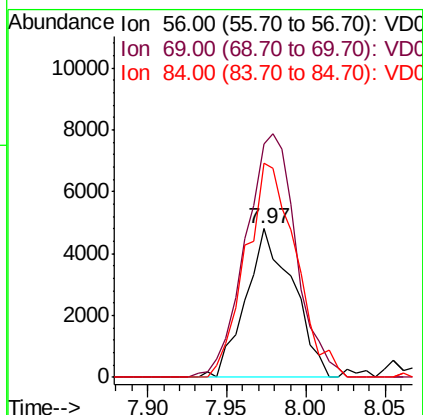
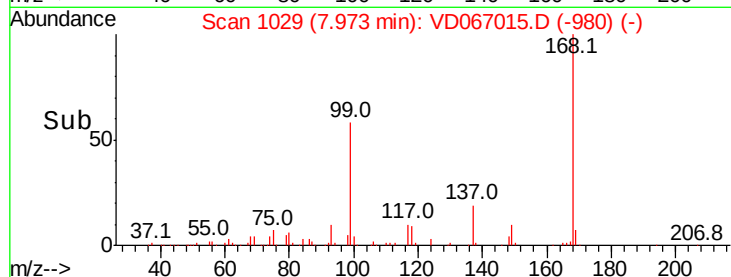
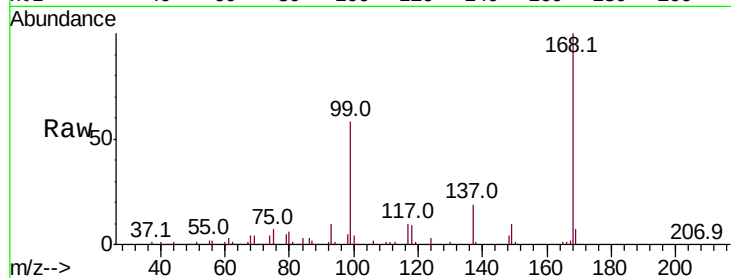
Tot Ion: 56 Resp: 9910

Ion Ratio Lower Upper

56 100

69 157.1 29.0 43.6#

84 144.2 74.2 111.2#



#33

1,2-Dichloroethane-d4

Concen: 51.578 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD067015.D

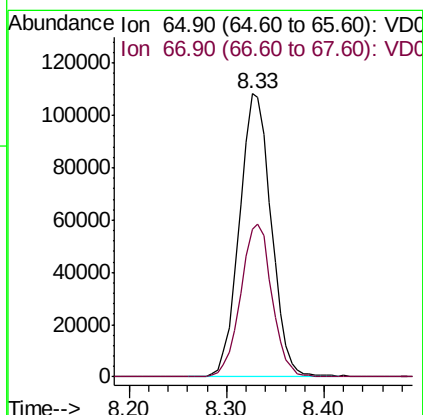
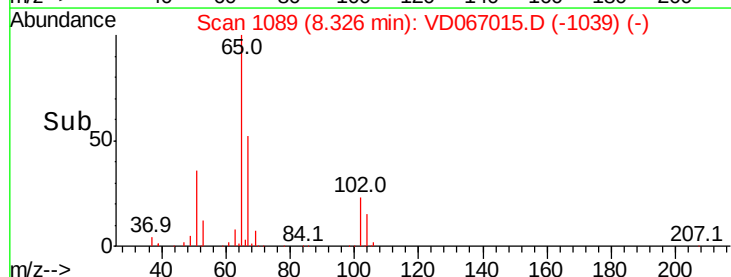
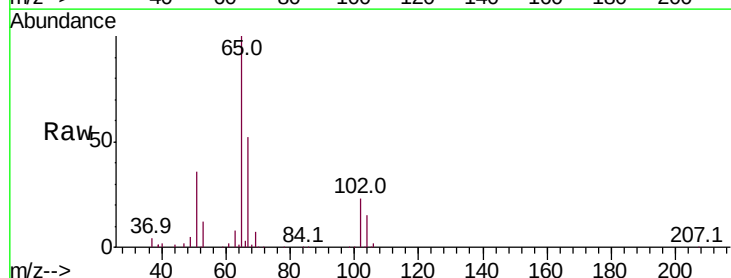
Acq: 02 Oct 2020 02:52

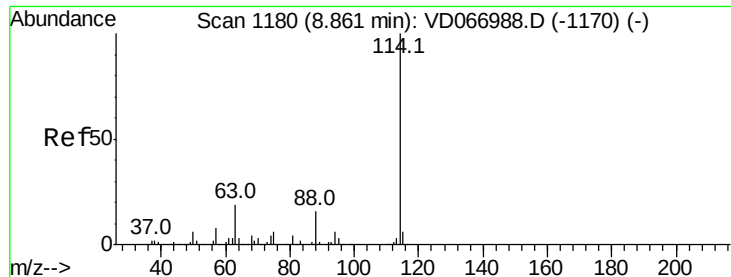
Tgt Ion: 65 Resp: 245046

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8

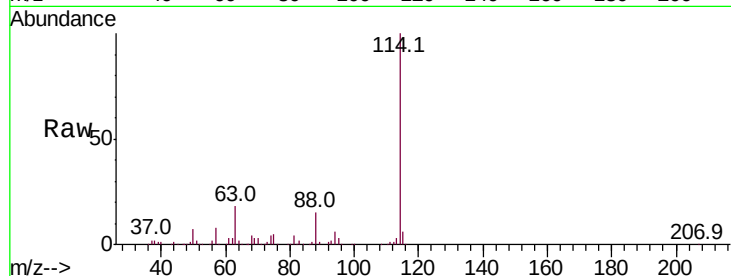




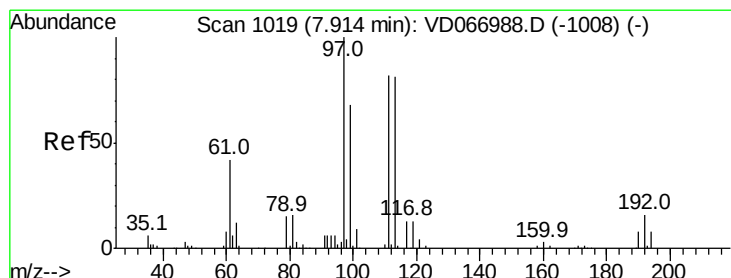
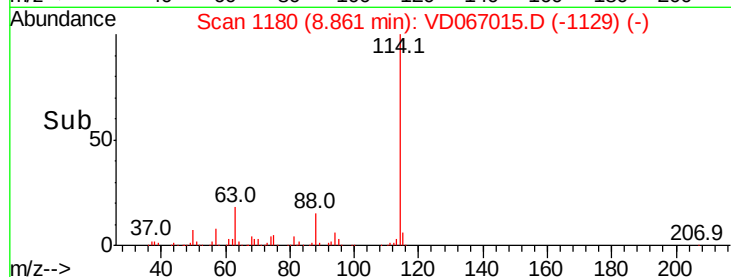
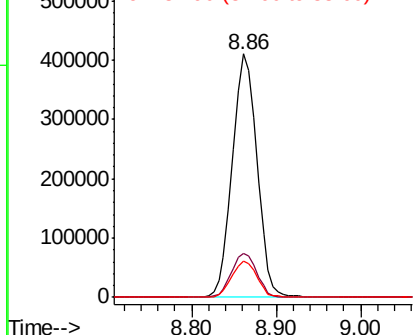
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD067015.D
Acq: 02 Oct 2020 02:52

Instrument :
MSVOA_D
ClientSampleId :
RO-19

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.4
88	15.1	0.0	31.2

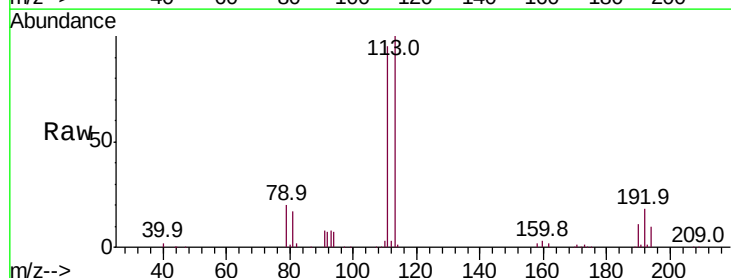


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

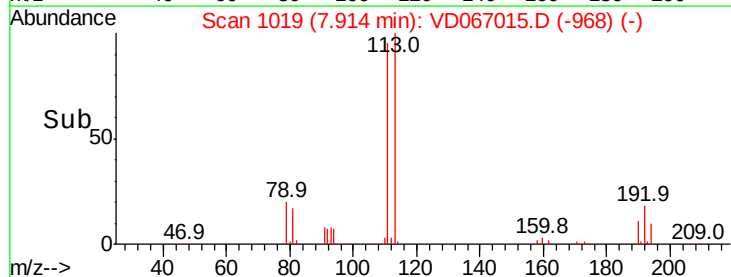
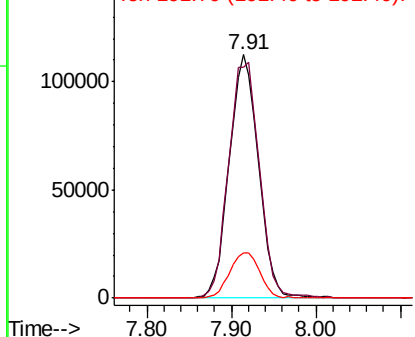


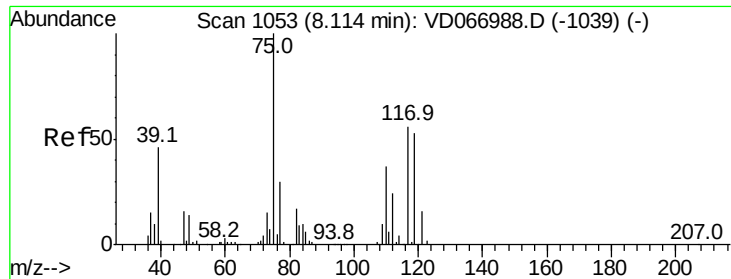
#35
Dibromofluoromethane
Concen: 49.530 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067015.D
Acq: 02 Oct 2020 02:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.0	124.4
192	19.2	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: 4.687 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD067015.D

Acq: 02 Oct 2020 02:52

Instrument :

MSVOA_D

ClientSampleId :

RO-19

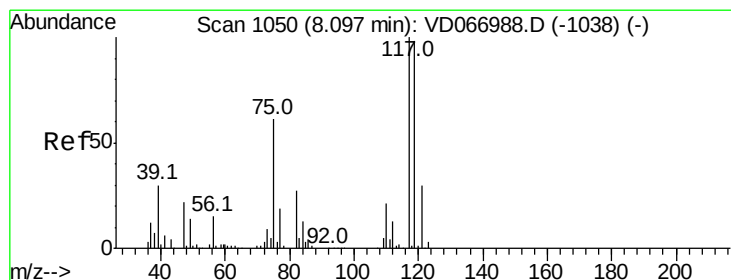
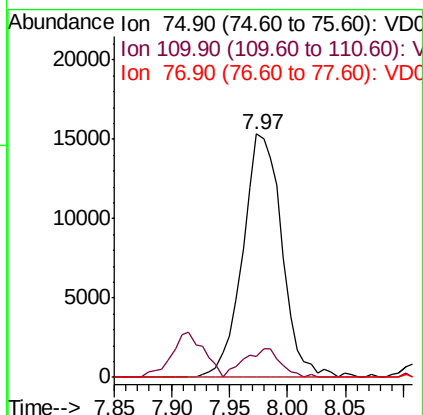
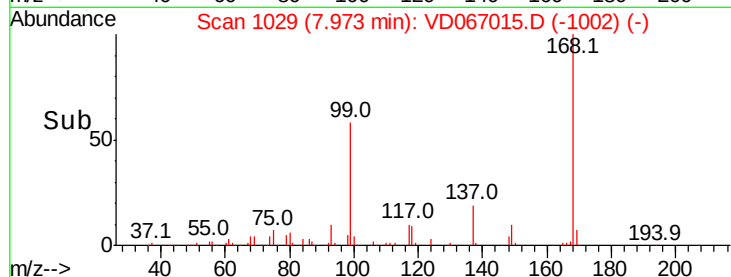
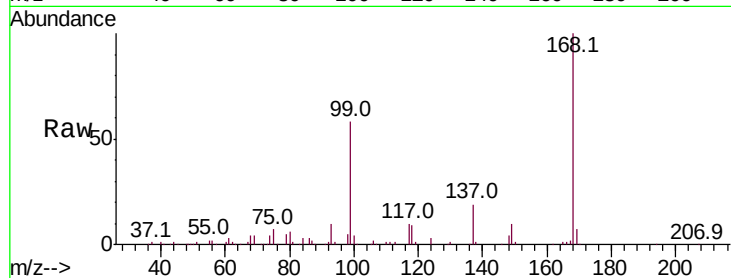
Tot Ion: 75 Resp: 36158

Ion Ratio Lower Upper

75 100

110 11.0 18.4 55.0#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.844 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD067015.D

Acq: 02 Oct 2020 02:52

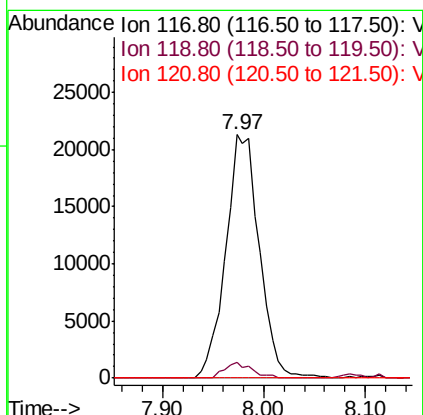
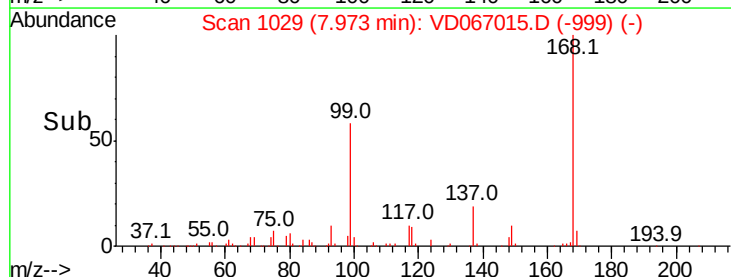
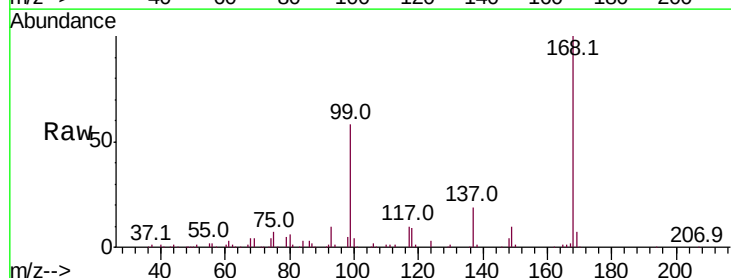
Tgt Ion: 117 Resp: 48781

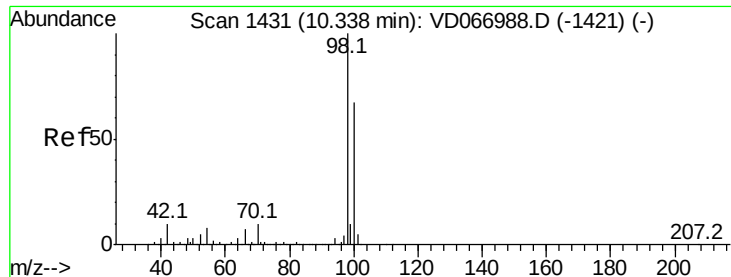
Ion Ratio Lower Upper

117 100

119 6.5 78.7 118.1#

121 0.0 24.2 36.2#

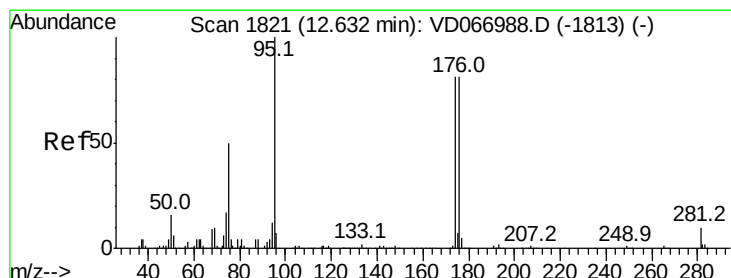
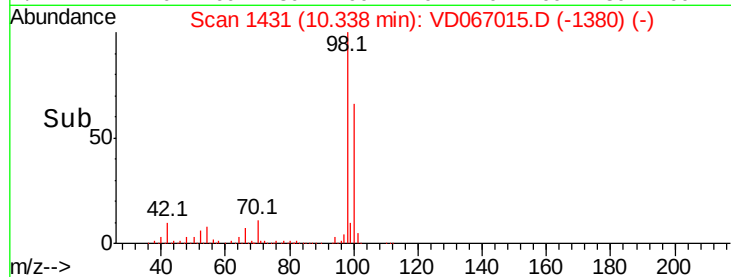
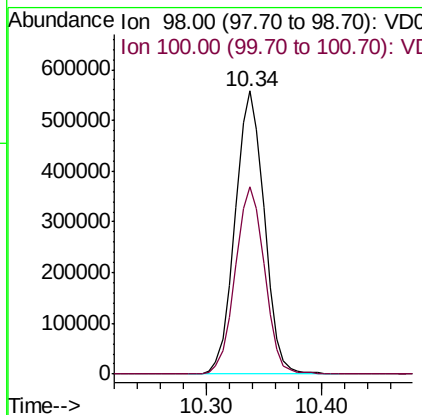
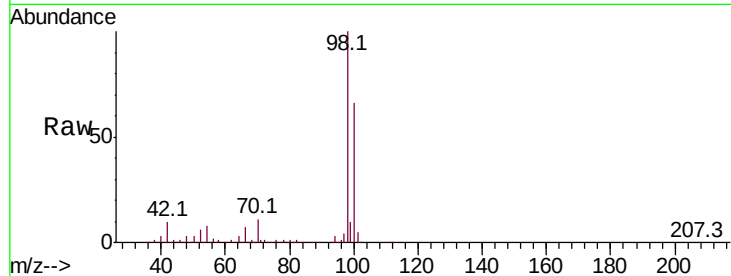




#50
Toluene-d8
Concen: 49.482 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067015.D
Acq: 02 Oct 2020 02:52

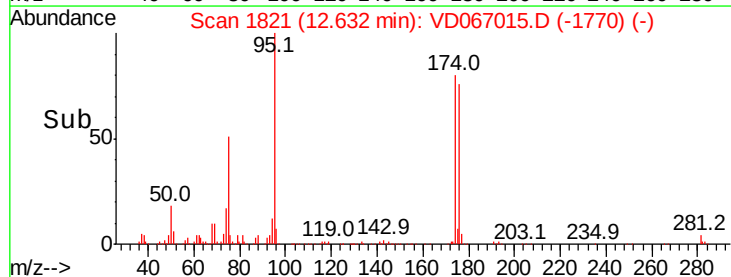
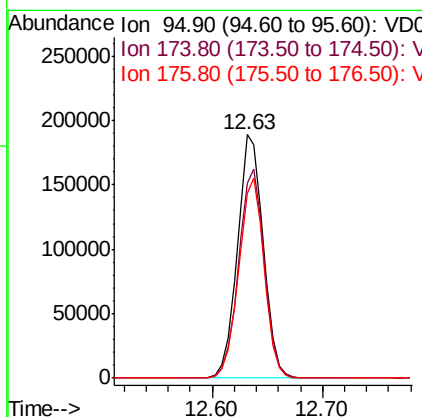
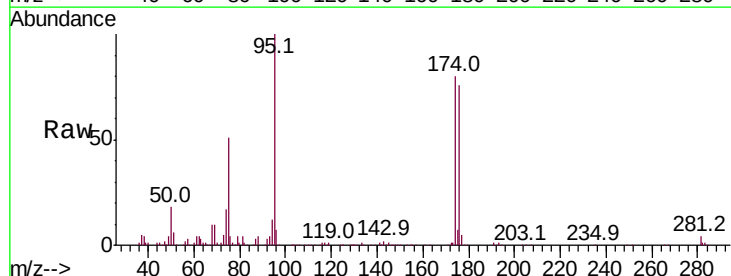
Instrument :
MSVOA_D
ClientSampleId :
RO-19

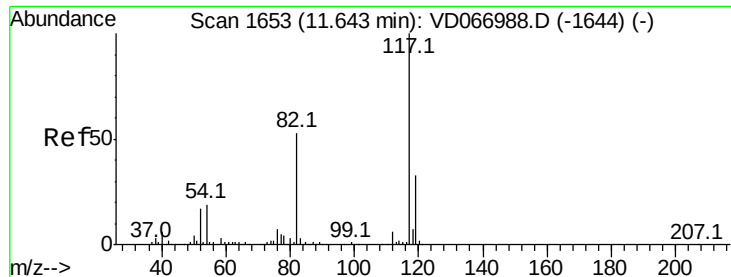
Tot Ion: 98 Resp: 976953
Ion Ratio Lower Upper
98 100
100 66.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 46.190 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067015.D
Acq: 02 Oct 2020 02:52

Tgt Ion: 95 Resp: 309584
Ion Ratio Lower Upper
95 100
174 85.6 0.0 167.6
176 80.9 0.0 162.4

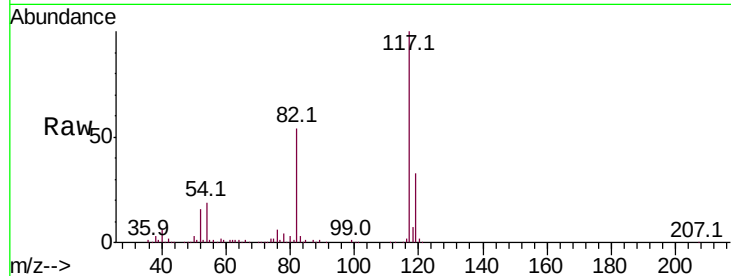




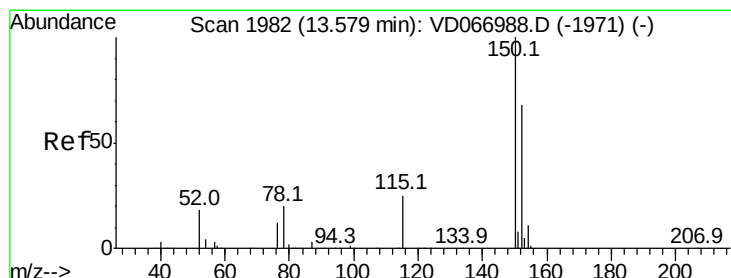
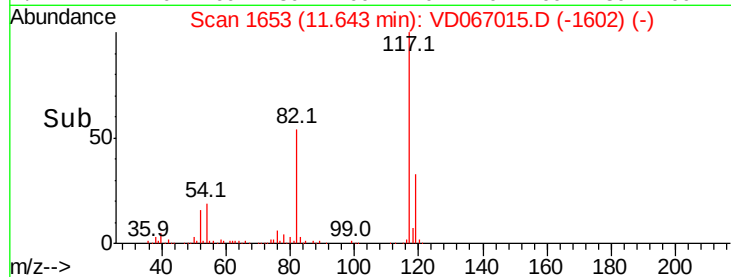
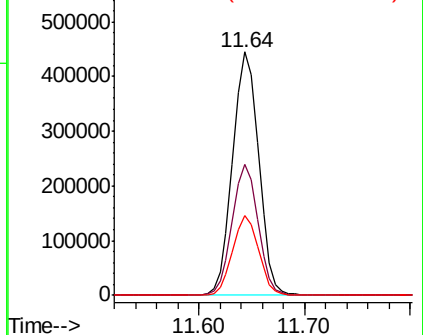
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067015.D
Acq: 02 Oct 2020 02:52

Instrument :
MSVOA_D
ClientSampled :
RO-19

Tot Ion:117 Resp: 760024
Ion Ratio Lower Upper
117 100
82 53.7 42.6 63.8
119 32.6 26.3 39.5

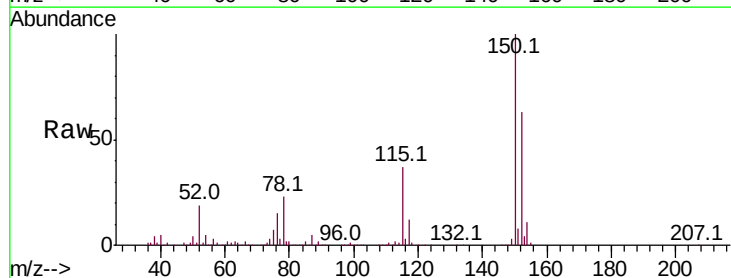


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

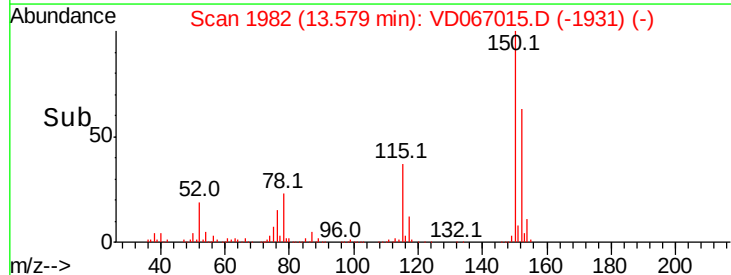
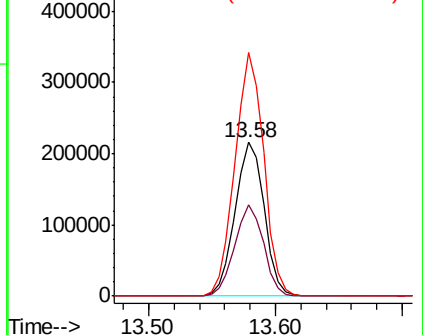


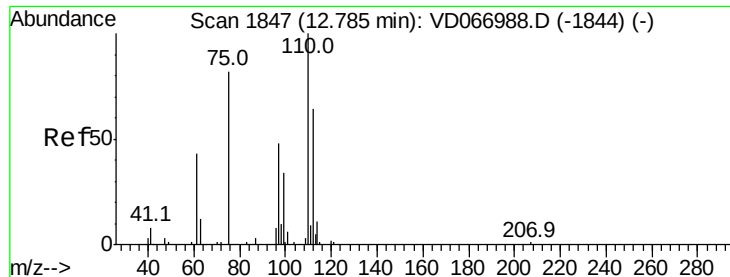
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067015.D
Acq: 02 Oct 2020 02:52

Tgt Ion:152 Resp: 342871
Ion Ratio Lower Upper
152 100
115 58.5 29.6 88.8
150 156.8 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: 54.070 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067015.D

Acq: 02 Oct 2020 02:52

Instrument :

MSVOA_D

ClientSampled :

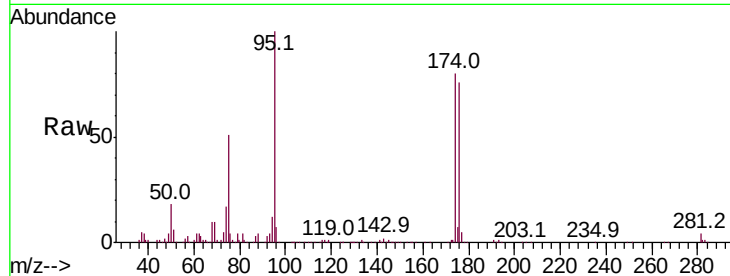
RO-19

Tot Ion: 75 Resp: 161482

Ion Ratio Lower Upper

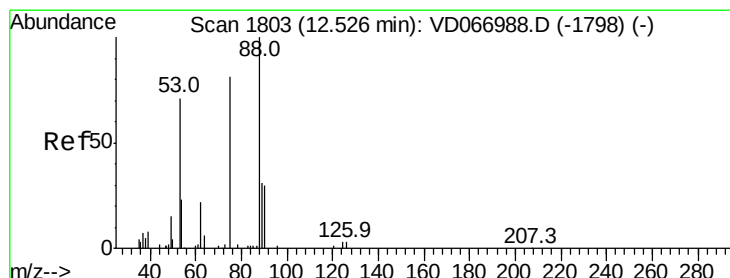
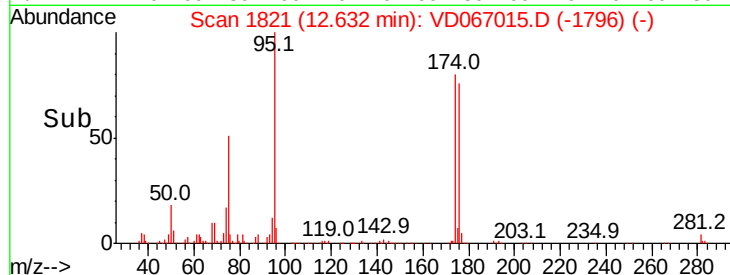
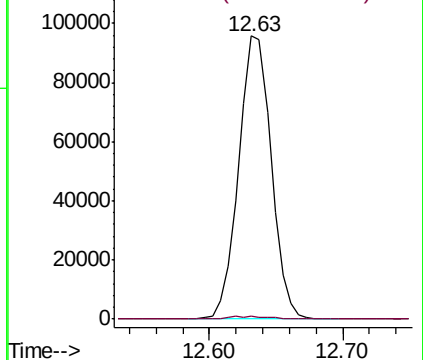
75 100

77 1.3 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: 134.804 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067015.D

Acq: 02 Oct 2020 02:52

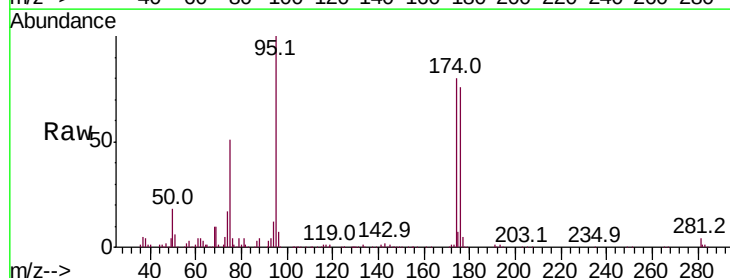
Tgt Ion: 75 Resp: 161482

Ion Ratio Lower Upper

75 100

53 0.1 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

