

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065966.D
 Acq On : 16 Jul 2020 19:24
 Operator : VA/SY
 Sample : L3308-06
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 6

Quant Time: Jul 17 03:40:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

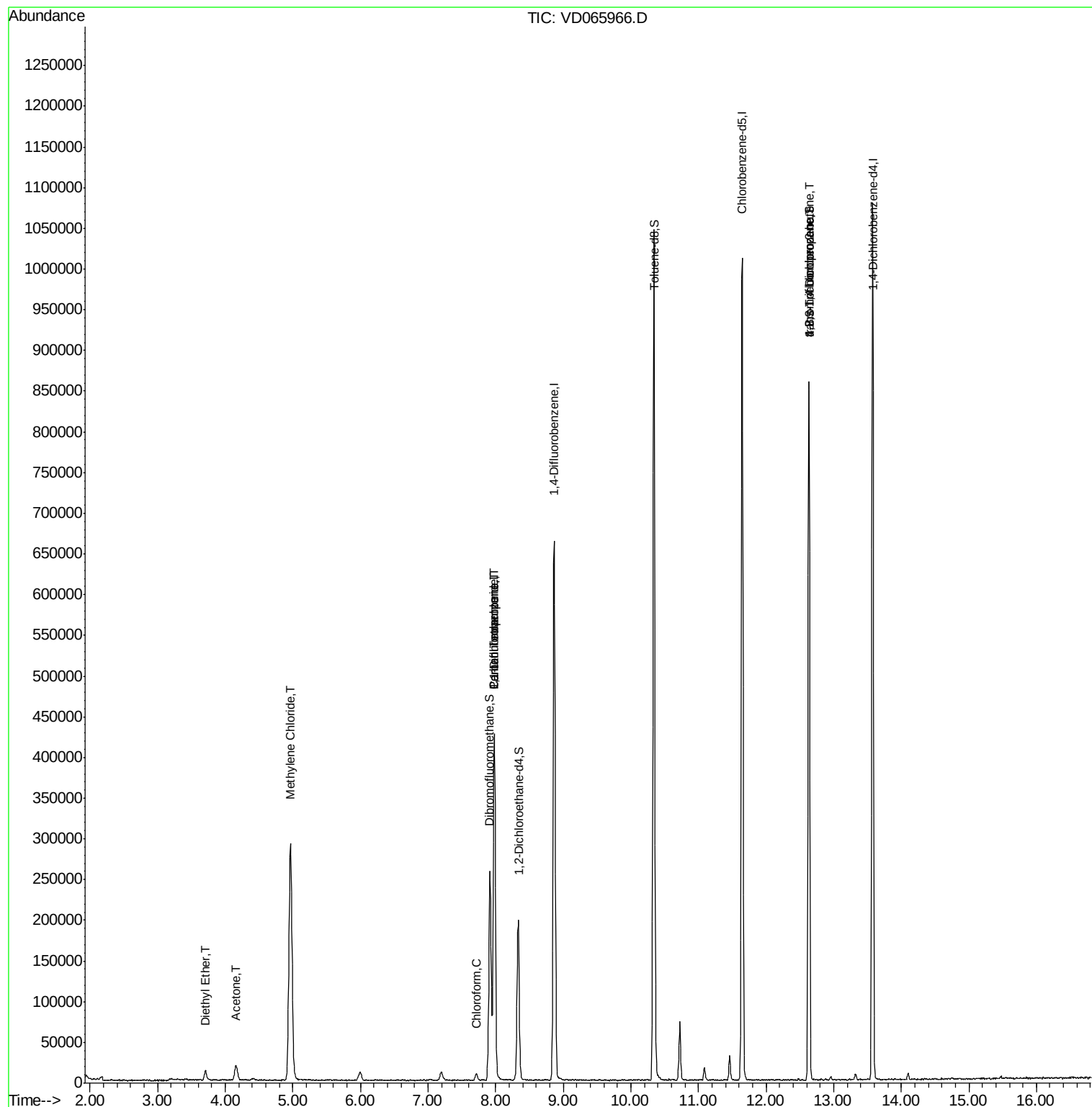
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	343927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	605098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	612026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292254	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	155584	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	
35) Dibromofluoromethane	7.91	113	186830	50.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.10%	
50) Toluene-d8	10.34	98	725246	53.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.64	95	269033	57.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.04%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.70	74	5825	3.560	ug/l	91
11) Tert butyl alcohol	5.22	59	184	Below Cal	#	71
13) Acrolein	3.90	56	54	Below Cal	#	1
16) Acetone	4.16	43	35351	49.489	ug/l #	89
20) Methylene Chloride	4.97	84	230465	60.404	ug/l	96
30) Chloroform	7.71	83	8101	1.262	ug/l	98
36) 1,1-Dichloropropene	7.98	75	22391	3.747	ug/l #	49
38) Carbon Tetrachloride	7.98	117	30584	4.775	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	127266	51.911	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	127266	111.542	ug/l #	11

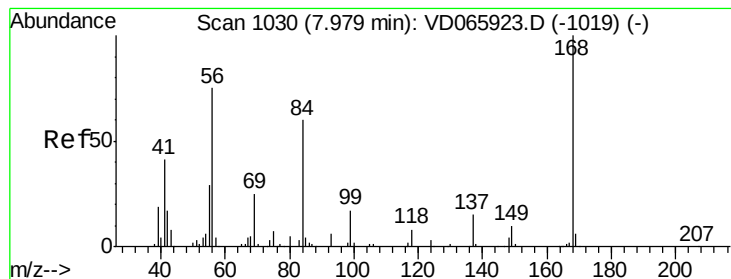
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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6

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065966.D

Acq: 16 Jul 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

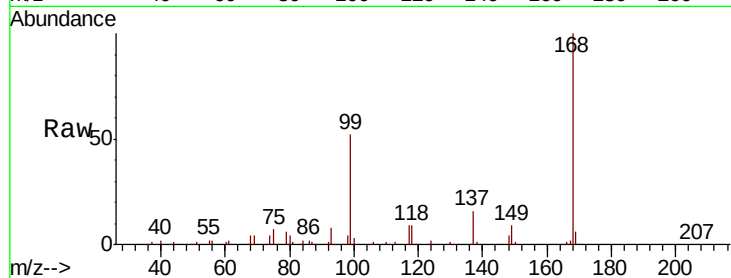
6

Tot Ion:168 Resp: 343927

Ion Ratio Lower Upper

168 100

99 52.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

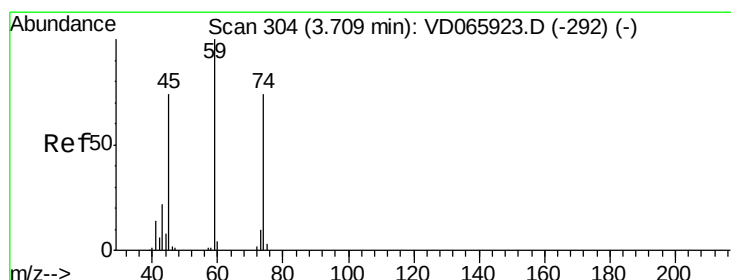
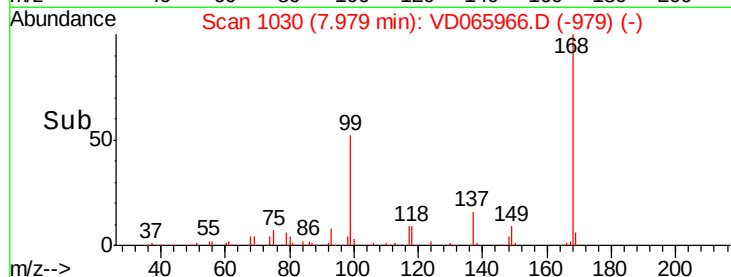
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 3.560 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065966.D

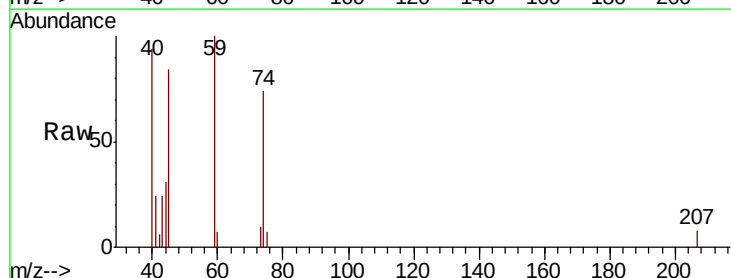
Acq: 16 Jul 2020 19:24

Tgt Ion: 74 Resp: 5825

Ion Ratio Lower Upper

74 100

45 111.3 51.1 153.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

3000

2500

2000

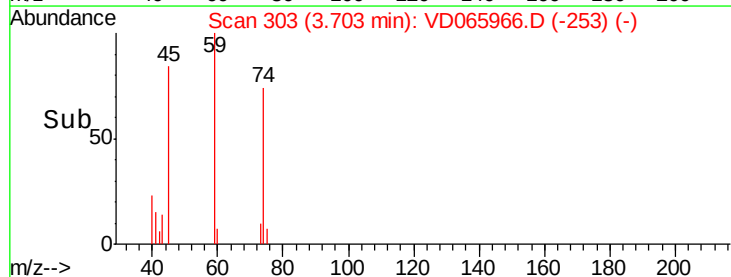
1500

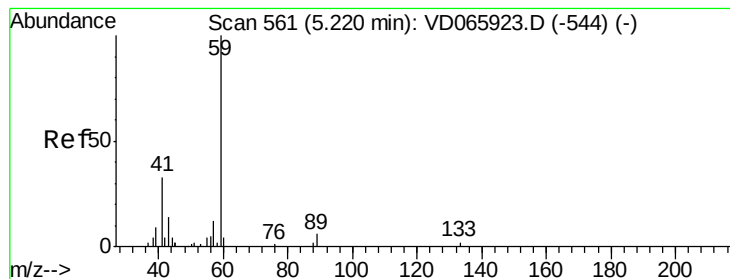
1000

500

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Time-->



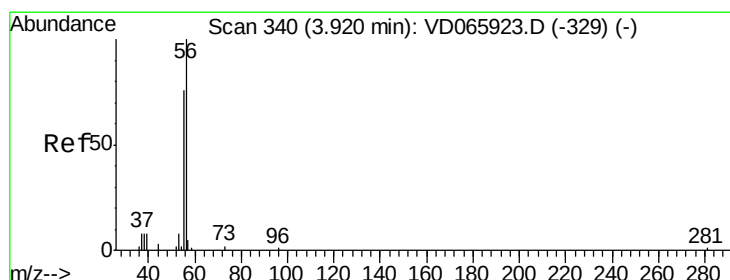
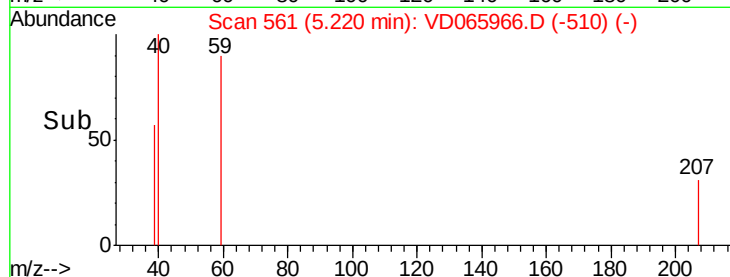
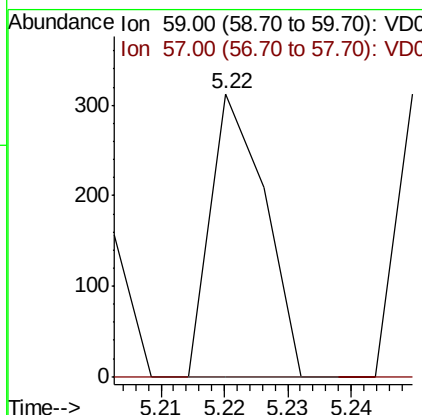
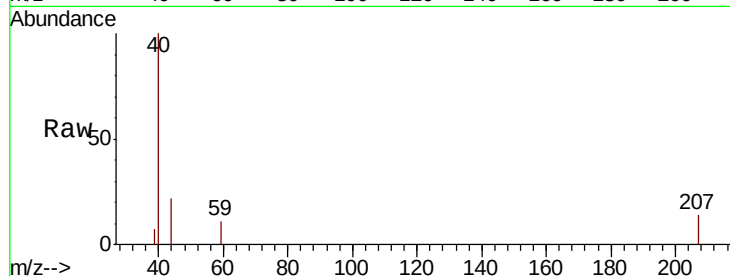


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD065966.D
Acq: 16 Jul 2020 19:24

Instrument :
MSVOA_D
ClientSampled :
6

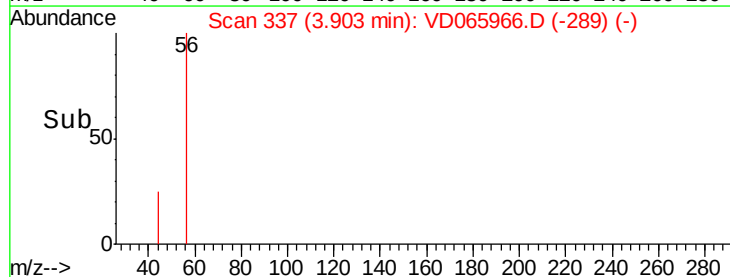
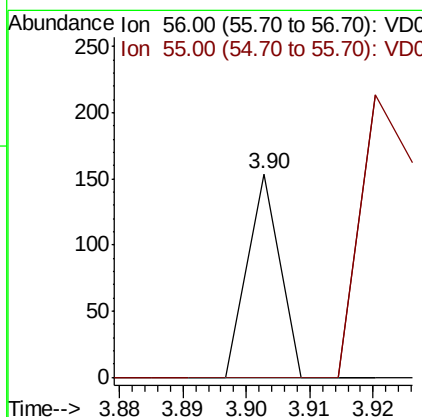
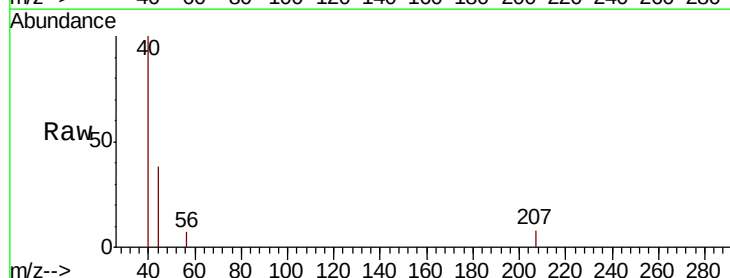
Tot Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

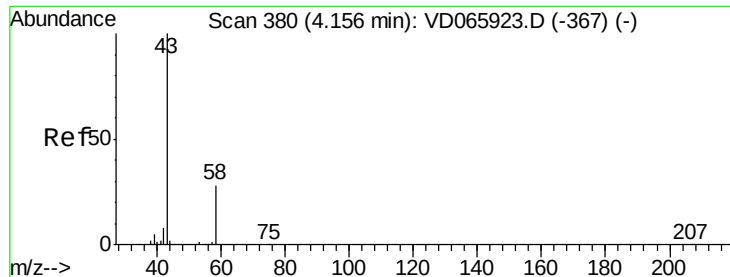


#13

Acrolein
Concen: Below Cal
RT: 3.90 min Scan# 337
Delta R.T. -0.02 min
Lab File: VD065966.D
Acq: 16 Jul 2020 19:24

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 246.3 55.0 82.6#





#16

Acetone

Concen: 49.489 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065966.D

Acq: 16 Jul 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

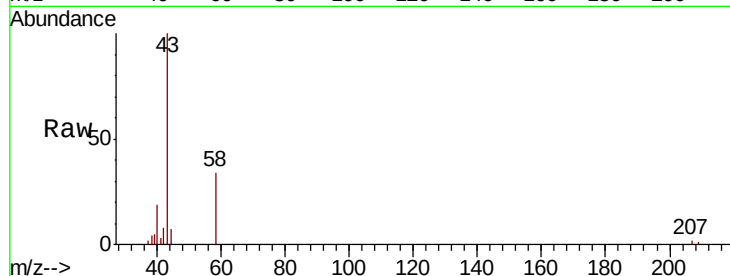
6

Tot Ion: 43 Resp: 35351

Ion Ratio Lower Upper

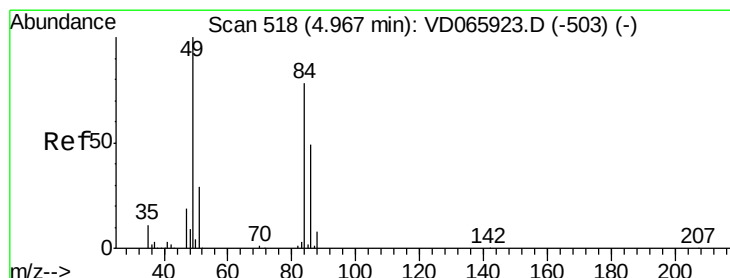
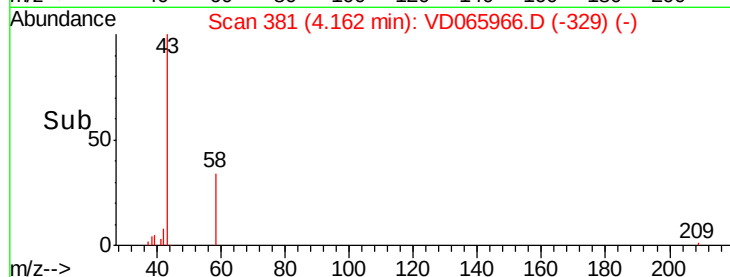
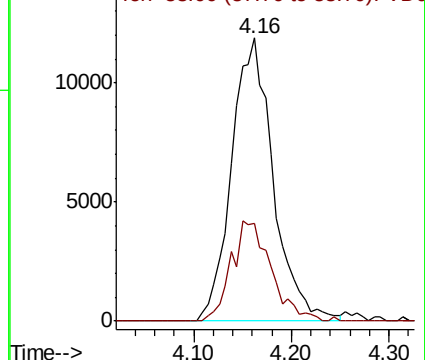
43 100

58 34.5 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 60.404 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065966.D

Acq: 16 Jul 2020 19:24

Tgt Ion: 84 Resp: 230465

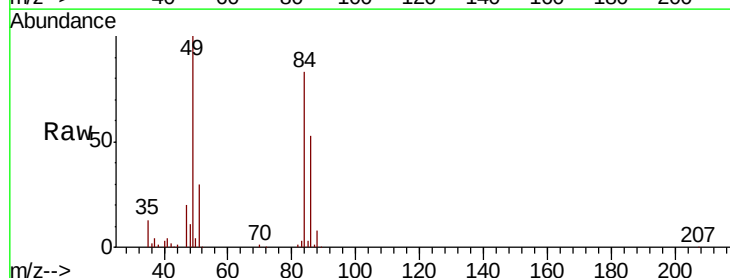
Ion Ratio Lower Upper

84 100

49 120.9 102.2 153.2

51 36.3 29.8 44.6

86 63.8 50.2 75.2

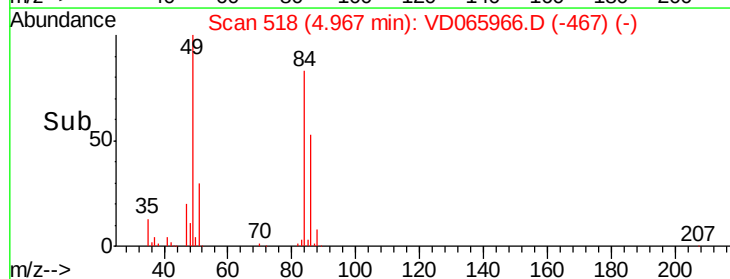
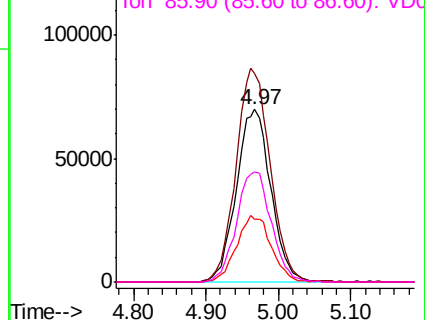


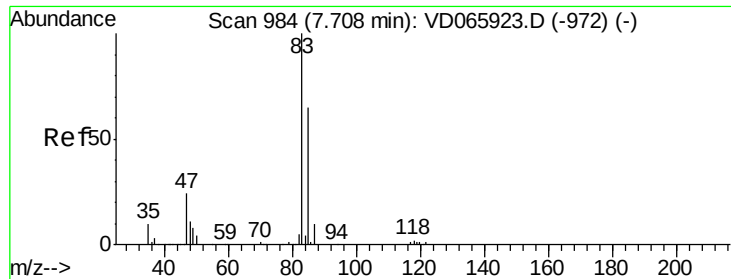
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

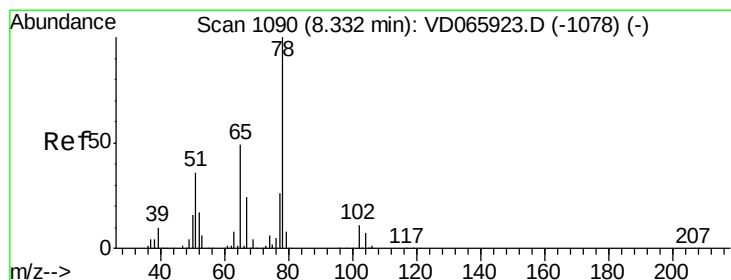
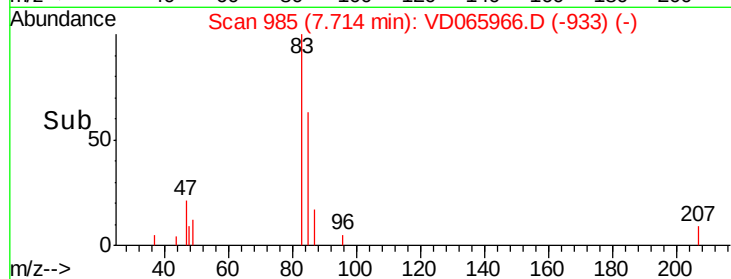
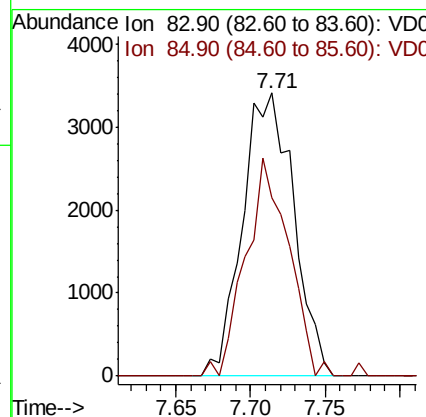
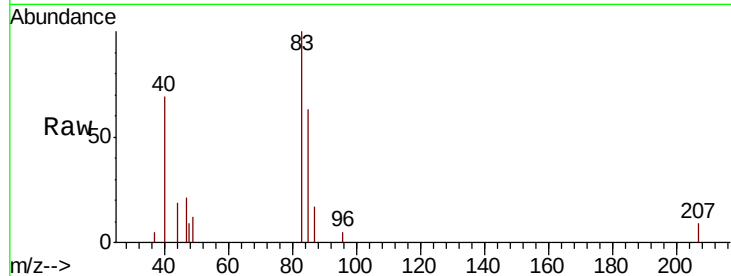




#30
Chloroform
Concen: 1.262 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD065966.D
Acq: 16 Jul 2020 19:24

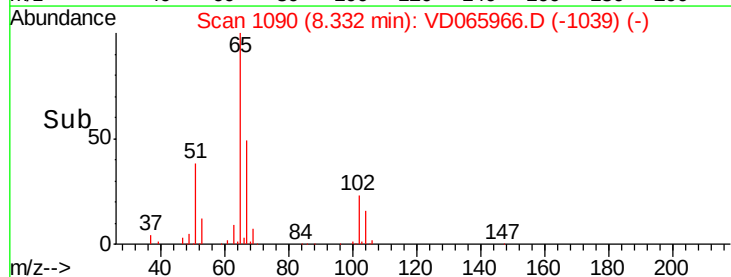
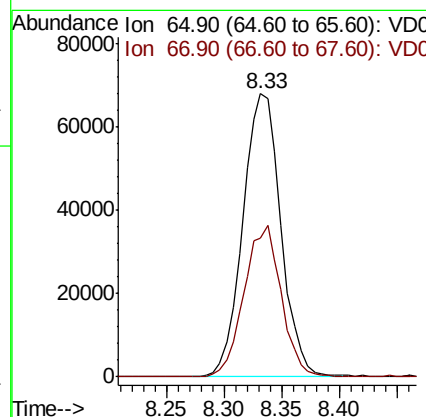
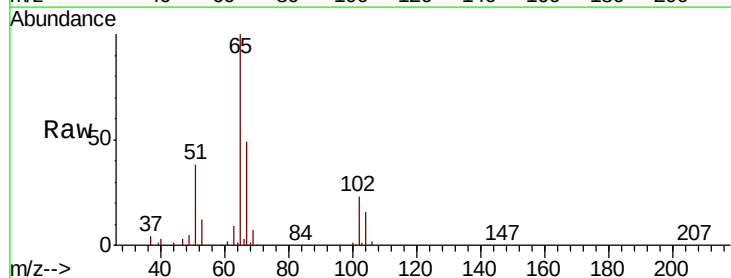
Instrument :
MSVOA_D
ClientSampleId :
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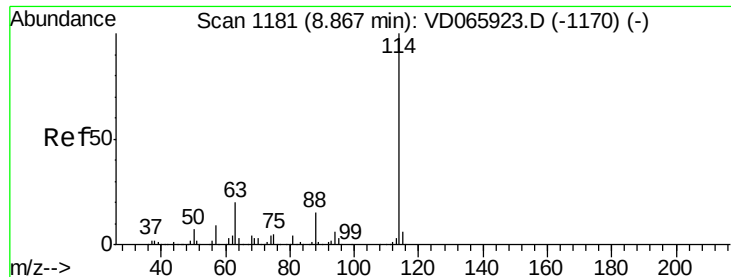
Tot Ion: 83 Resp: 8101
Ion Ratio Lower Upper
83 100
85 63.0 51.6 77.4



#33
1,2-Dichloroethane-d4
Concen: 51.045 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065966.D
Acq: 16 Jul 2020 19:24

Tgt Ion: 65 Resp: 155584
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.6

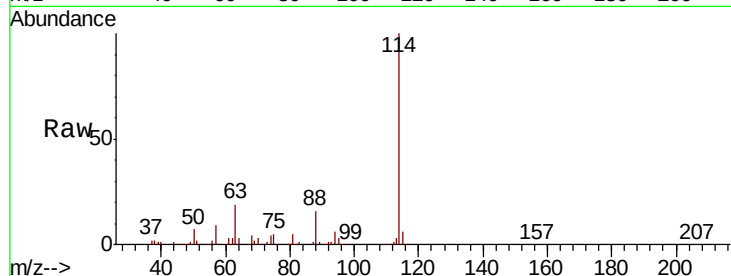




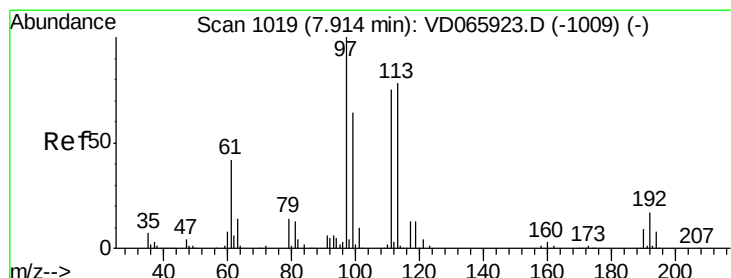
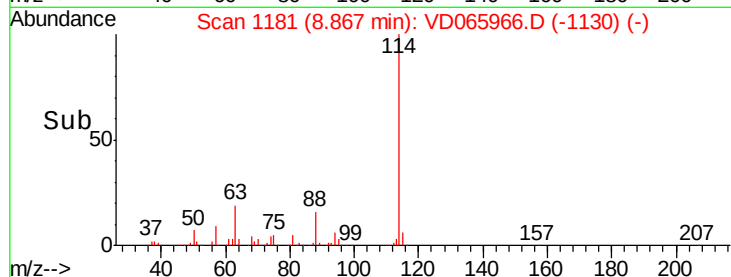
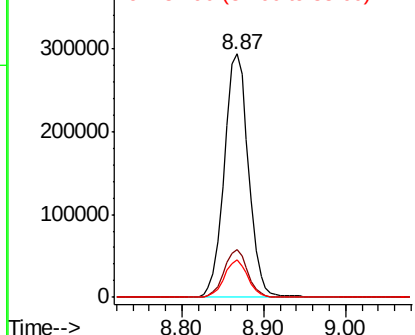
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065966.D
 Acq: 16 Jul 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 6

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.2
88	15.5	0.0	30.0

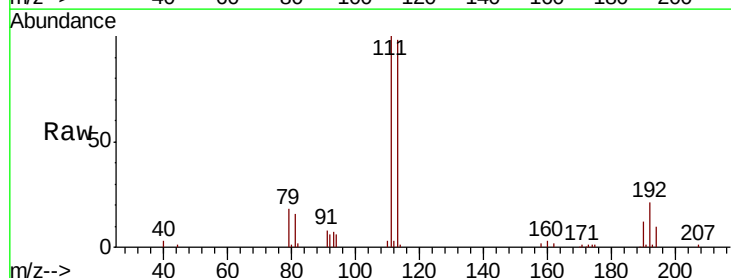


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

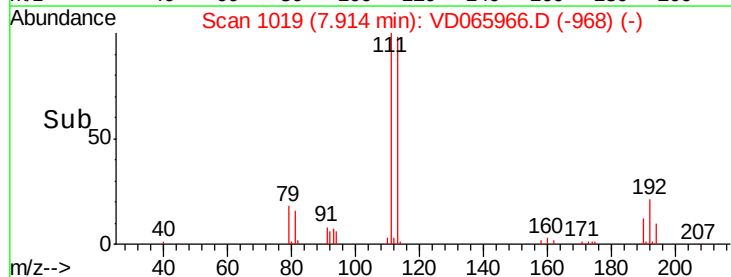
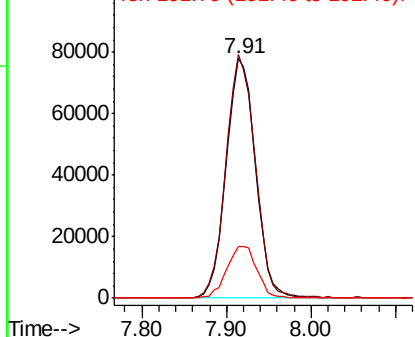


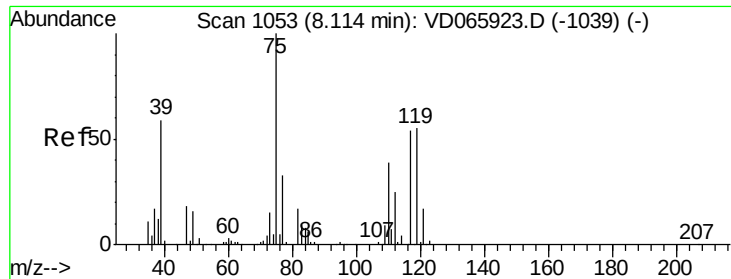
#35
 Dibromofluoromethane
 Concen: 50.051 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD065966.D
 Acq: 16 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.9	121.3
192	22.2	17.1	25.7



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

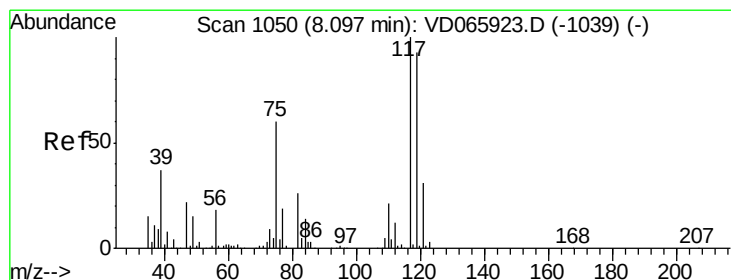
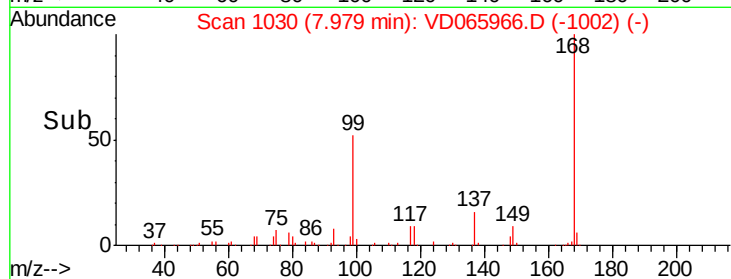
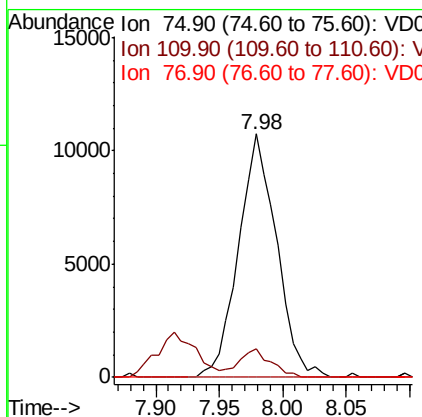
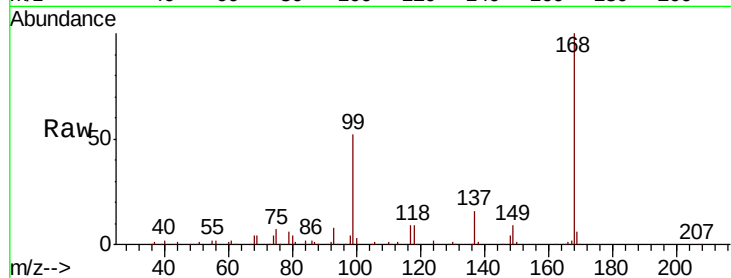




#36
 1,1-Dichloropropene
 Concen: 3.747 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065966.D
 Acq: 16 Jul 2020 19:24

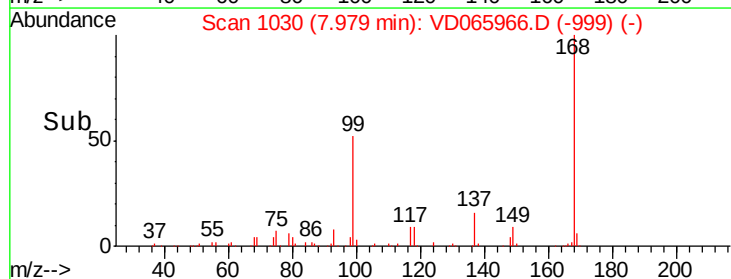
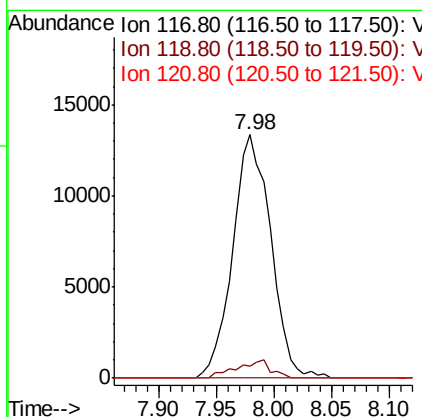
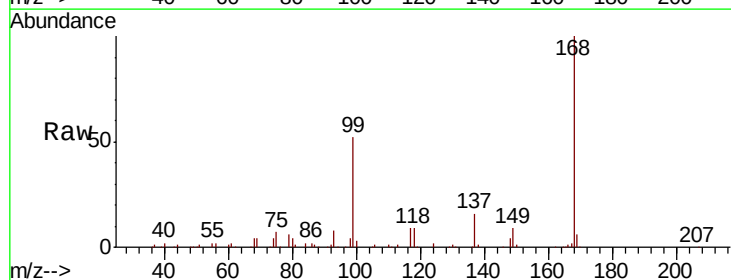
Instrument :
 MSVOA_D
 ClientSampled :
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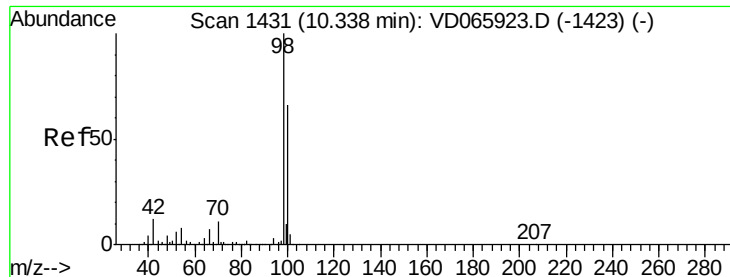
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.5	55.5#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 4.775 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065966.D
 Acq: 16 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	74.7	112.1#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 53.250 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065966.D

Acq: 16 Jul 2020 19:24

Instrument :

MSVOA_D

ClientSampled :

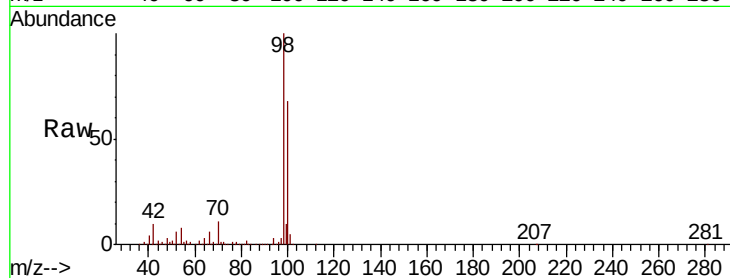
6

Tot Ion: 98 Resp: 725246

Ion Ratio Lower Upper

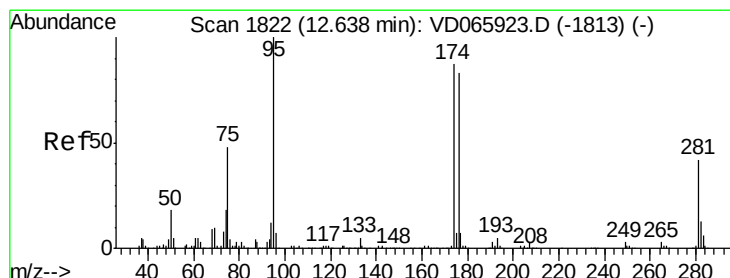
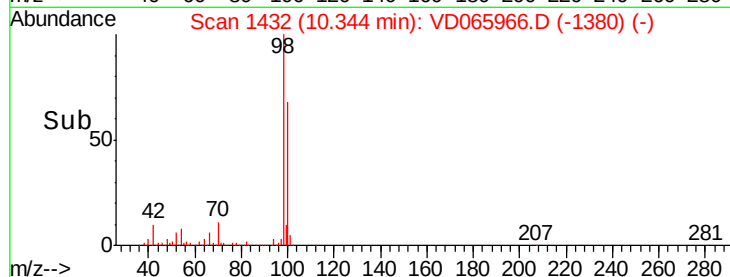
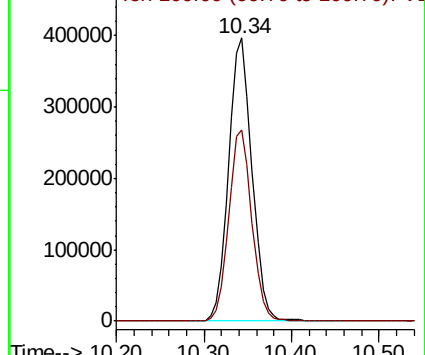
98 100

100 67.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 57.522 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065966.D

Acq: 16 Jul 2020 19:24

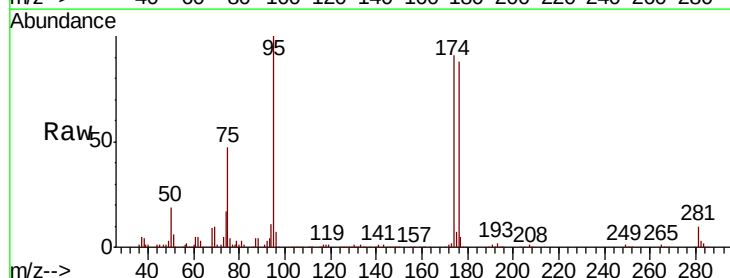
Tgt Ion: 95 Resp: 269033

Ion Ratio Lower Upper

95 100

174 90.2 0.0 169.4

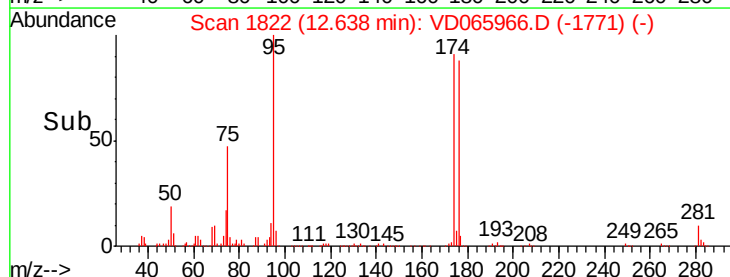
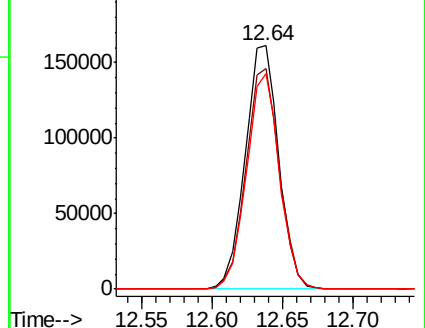
176 86.5 0.0 164.0

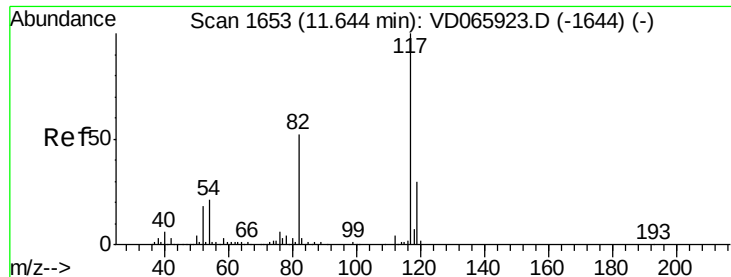


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

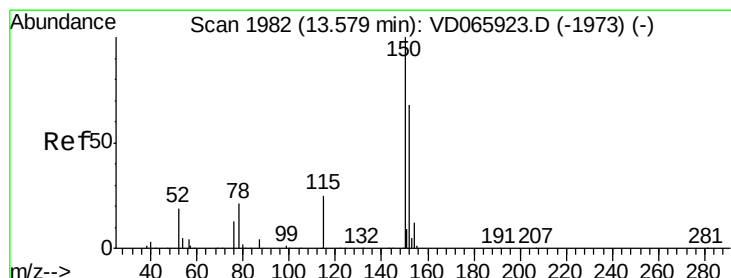
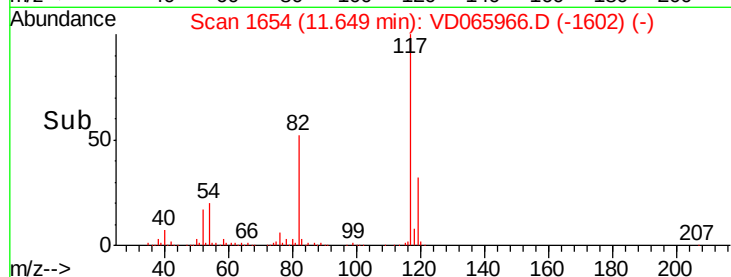
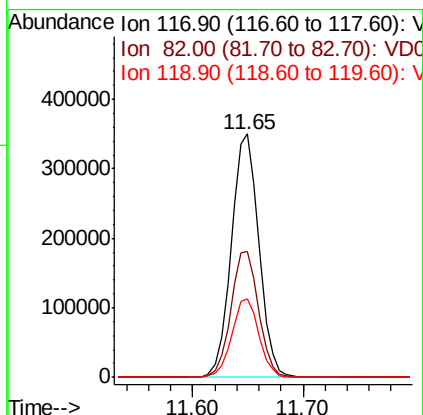
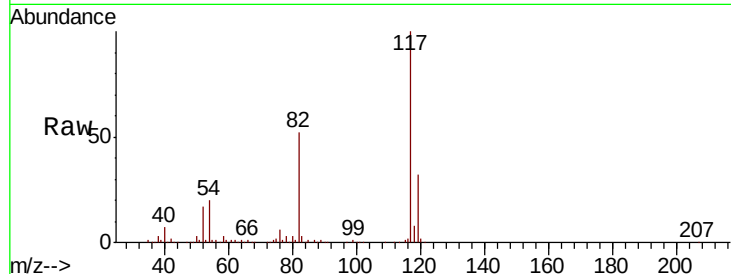




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065966.D
Acq: 16 Jul 2020 19:24

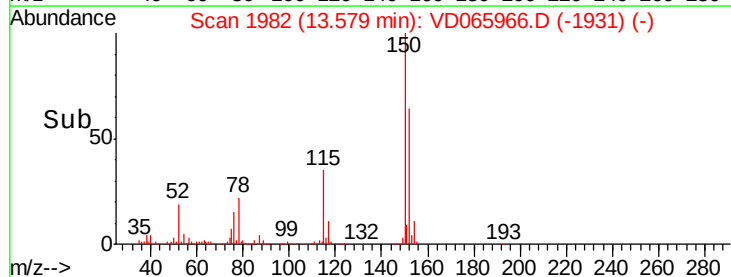
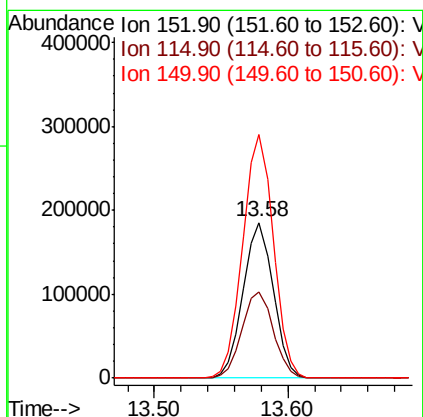
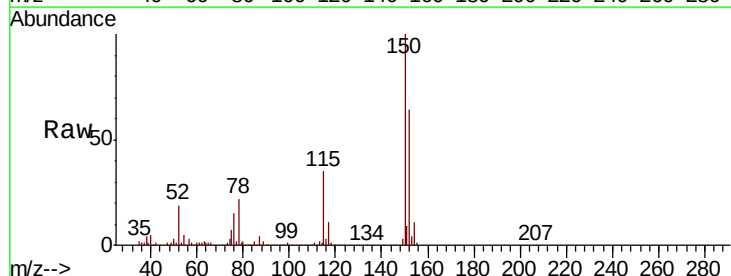
Instrument :
MSVOA_D
ClientSampled :
6

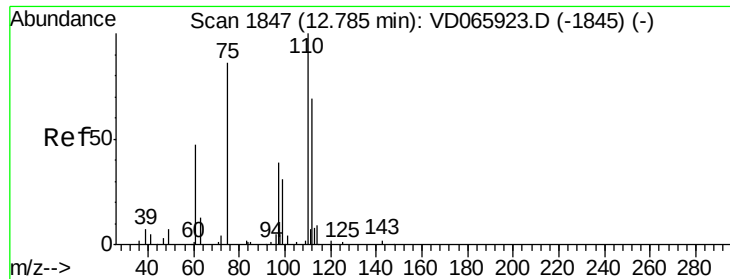
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.8	62.8
119	32.1	24.3	36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065966.D
Acq: 16 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	27.8	83.3
150	157.5	0.0	347.2

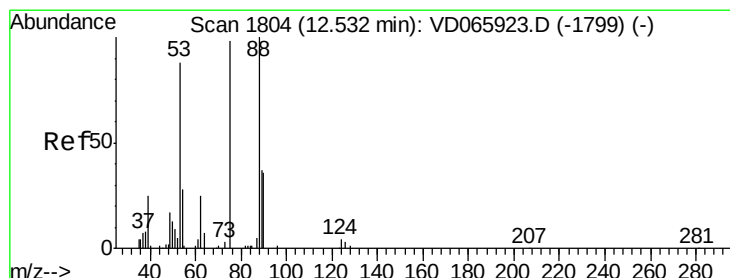
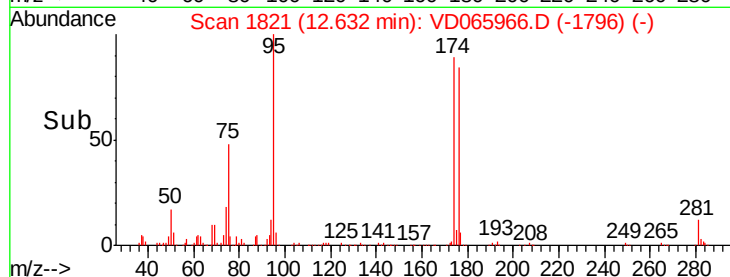
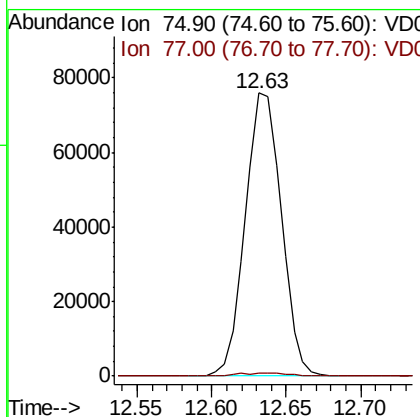
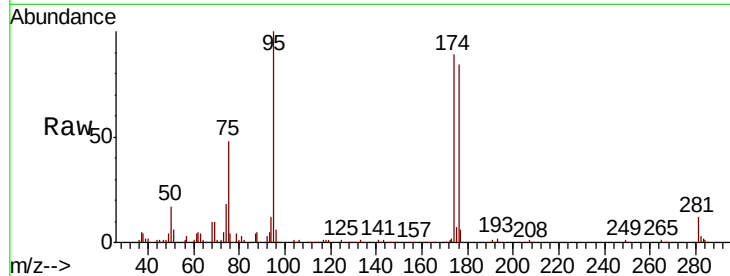




#76
 1,2,3-Trichloropropane
 Concen: 51.911 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD065966.D
 Acq: 16 Jul 2020 19:24

Instrument :
 MSVOA_D
 ClientSampled :
 6

Tot Ion: 75 Resp: 127266
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.542 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD065966.D
 Acq: 16 Jul 2020 19:24

Tgt Ion: 75 Resp: 127266
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.1 37.5 56.3#

