

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065965.D
 Acq On : 16 Jul 2020 18:56
 Operator : VA/SY
 Sample : L3308-05
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 5

Quant Time: Jul 17 03:40:16 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	353438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	606977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	622896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296716	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	166228	53.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.14%	
35) Dibromofluoromethane	7.91	113	189463	50.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.20%	
50) Toluene-d8	10.34	98	738324	54.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.08%	
62) 4-Bromofluorobenzene	12.64	95	271695	57.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.82%	

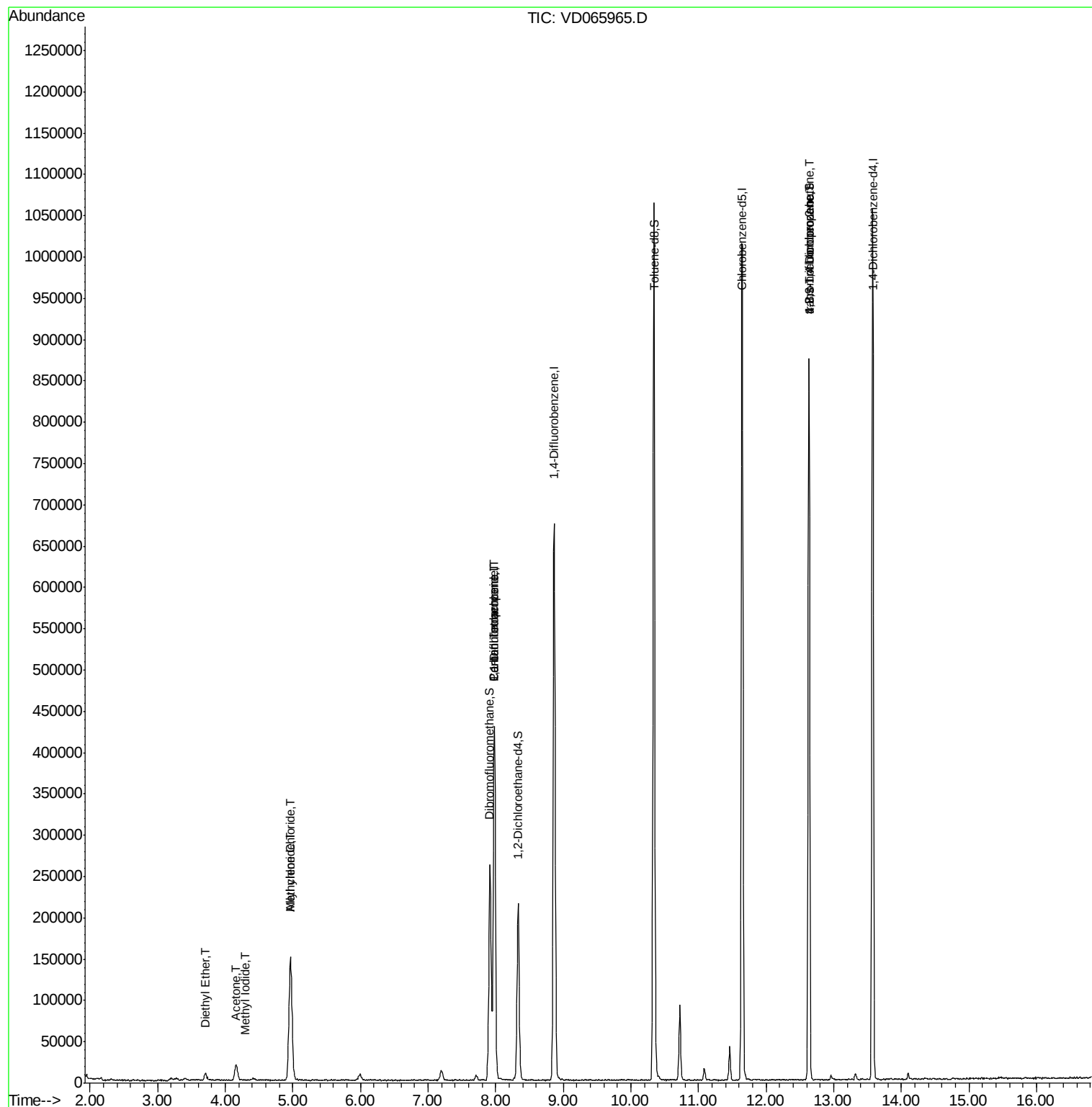
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	5027	2.989	ug/l	88
10) Methyl Iodide	4.30	142	57	2.527	ug/l #	41
11) Tert butyl alcohol	5.23	59	58	Below Cal	#	71
13) Acrolein	3.92	56	56	Below Cal	#	15
14) Allyl chloride	4.96	41	5858	1.009	ug/l #	25
16) Acetone	4.16	43	34825	47.441	ug/l	99
20) Methylene Chloride	4.96	84	118765	25.007	ug/l	92
36) 1,1-Dichloropropene	7.98	75	23757	3.963	ug/l #	48
38) Carbon Tetrachloride	7.97	117	31933	4.970	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	131705	52.914	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	131705	113.696	ug/l #	11

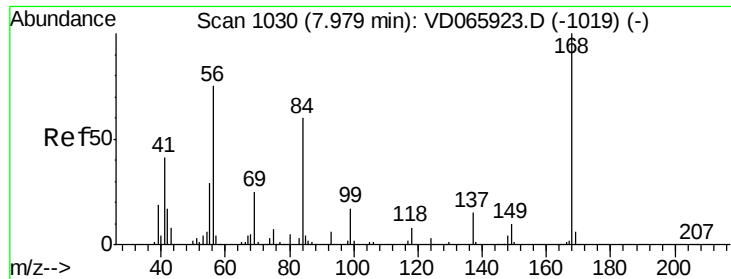
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065965.D

Acq: 16 Jul 2020 18:56

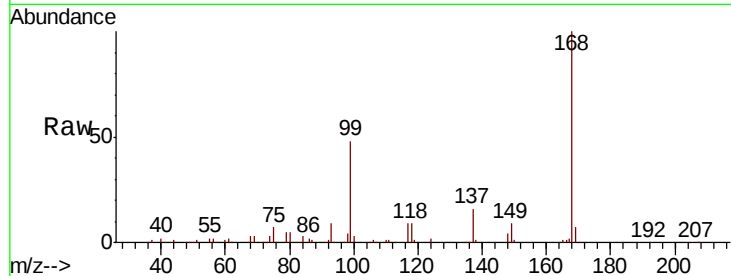
Instrument :
MSVOA_D
ClientSampleId :
5

Tot Ion:168 Resp: 353438

Ion Ratio Lower Upper

168 100

99 47.7 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

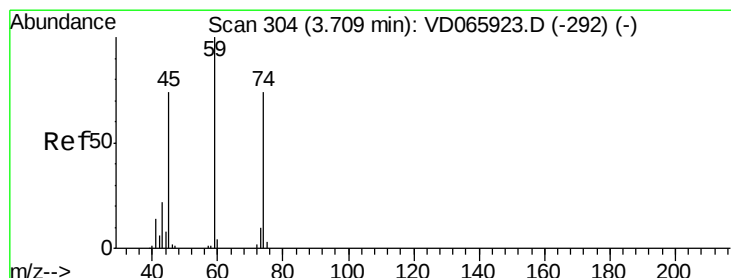
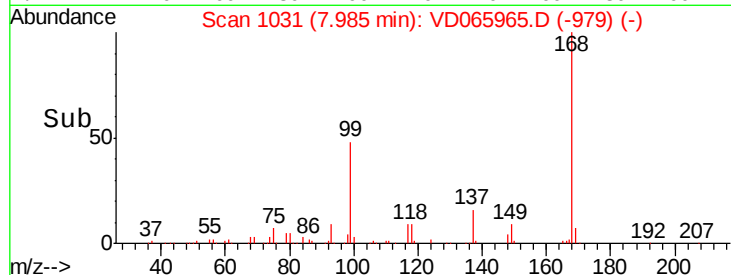
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.989 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD065965.D

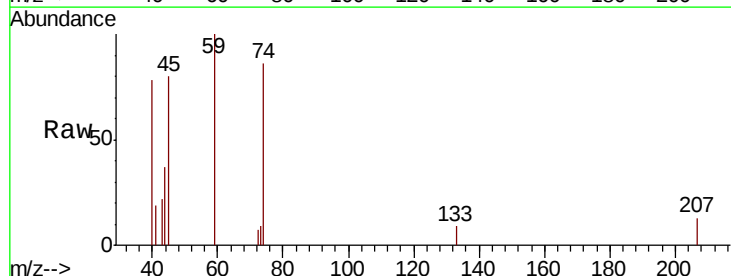
Acq: 16 Jul 2020 18:56

Tgt Ion: 74 Resp: 5027

Ion Ratio Lower Upper

74 100

45 90.6 51.1 153.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

2500

2000

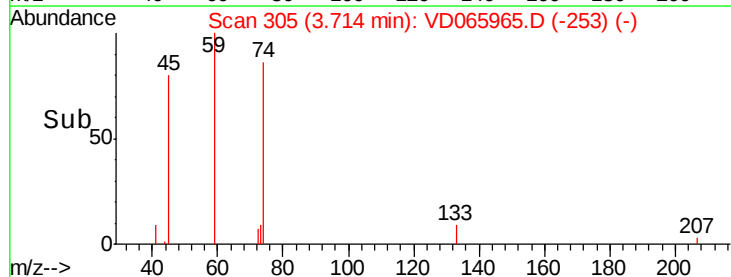
1500

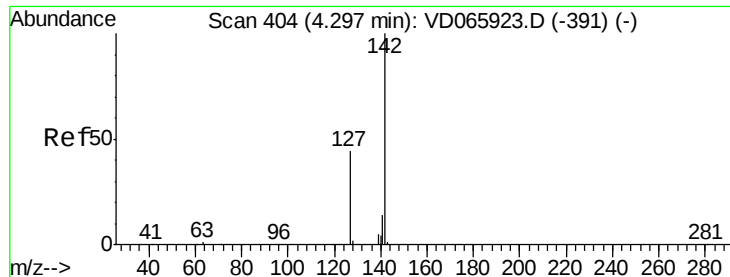
1000

500

0

Time-->

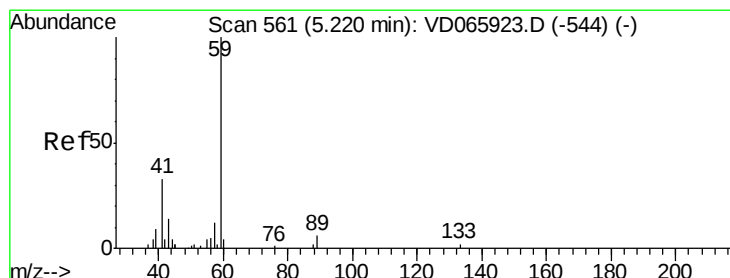
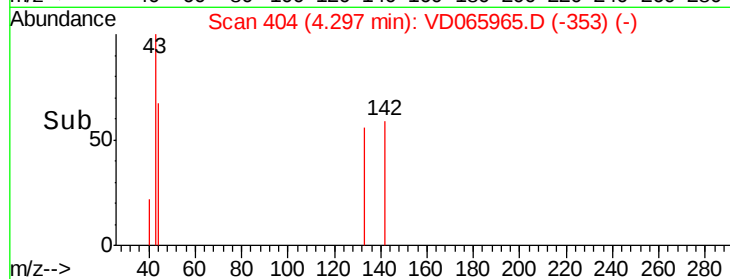
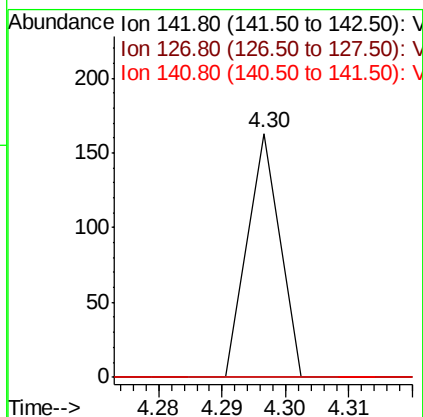
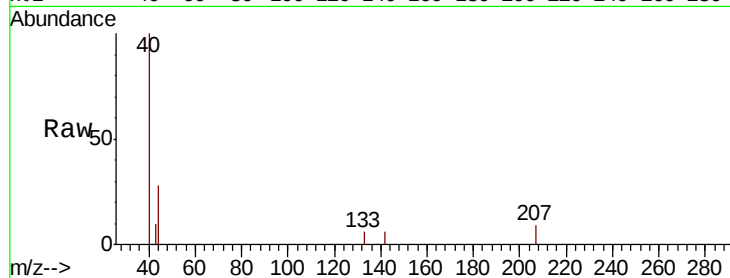




#10
Methvl Iodide
Concen: 2.527 ug/l
RT: 4.30 min Scan# 404
Delta R.T. 0.00 min
Lab File: VD065965.D
Acq: 16 Jul 2020 18:56

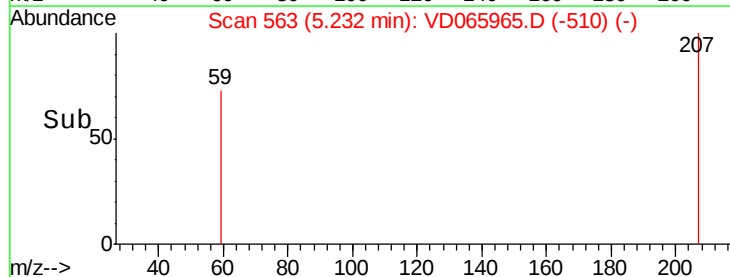
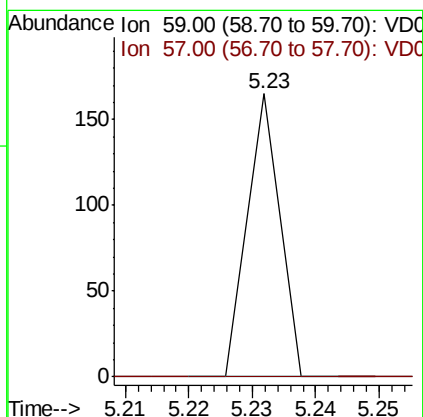
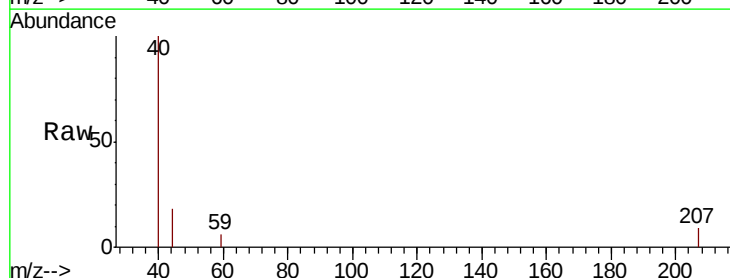
Instrument :
MSVOA_D
ClientSampleId :
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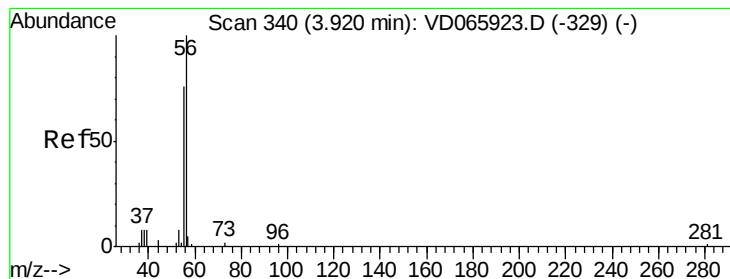
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	34.6	51.8#
141	0.0	11.6	17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD065965.D
Acq: 16 Jul 2020 18:56

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#





#13

Acrolein

Concen: Below Cal

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065965.D

Acq: 16 Jul 2020 18:56

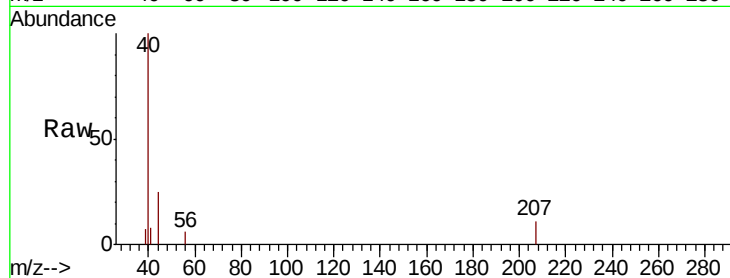
Instrument :
MSVOA_D
ClientSampleId :
5

Tot Ion: 56 Resp: 56

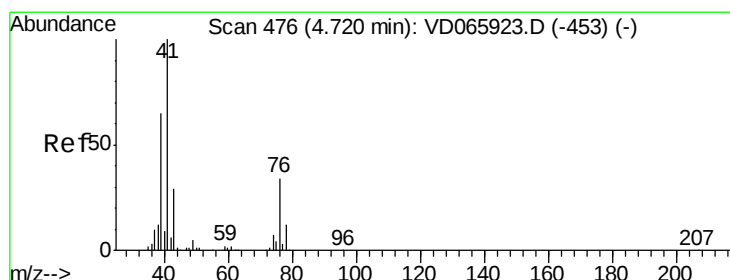
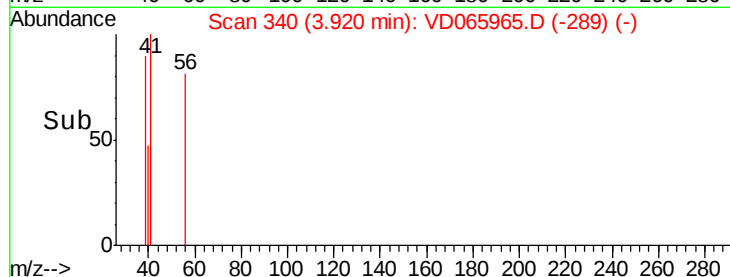
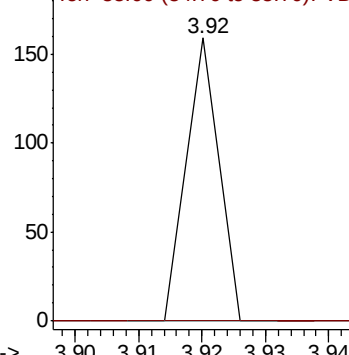
Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 1.009 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.24 min

Lab File: VD065965.D

Acq: 16 Jul 2020 18:56

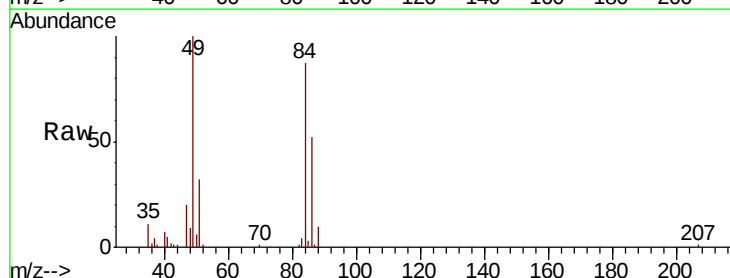
Tgt Ion: 41 Resp: 5858

Ion Ratio Lower Upper

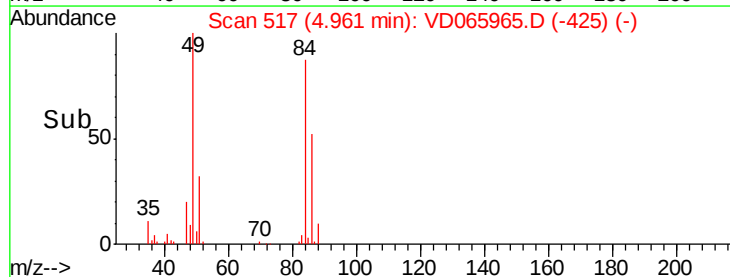
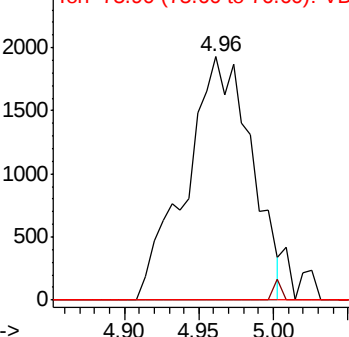
41 100

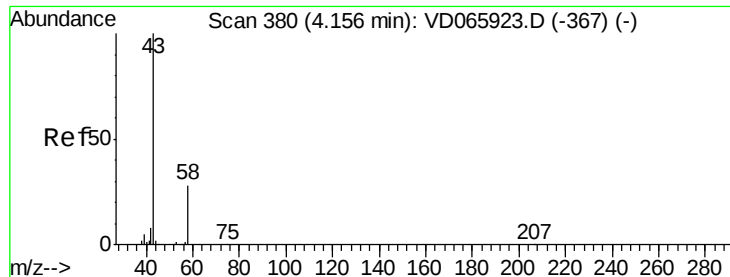
39 0.0 52.2 78.4#

76 0.0 28.1 42.1#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#16

Acetone

Concen: 47.441 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065965.D

Acq: 16 Jul 2020 18:56

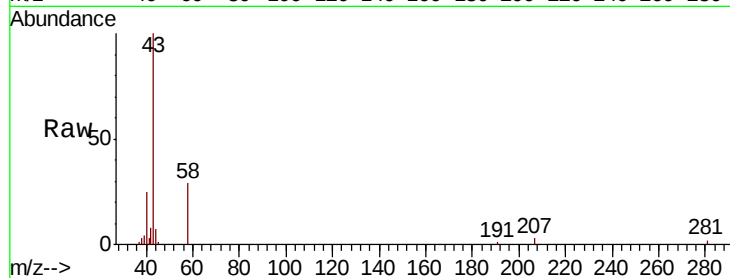
Instrument :
MSVOA_D
ClientSampleId :
5

Tot Ion: 43 Resp: 34825

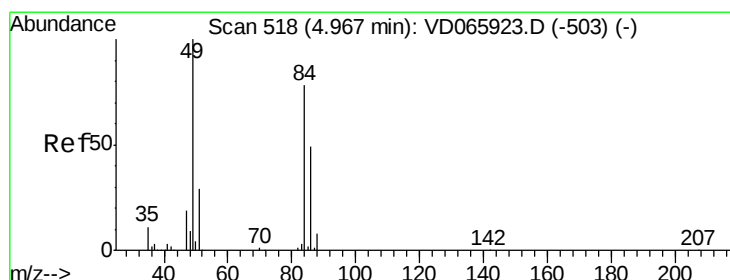
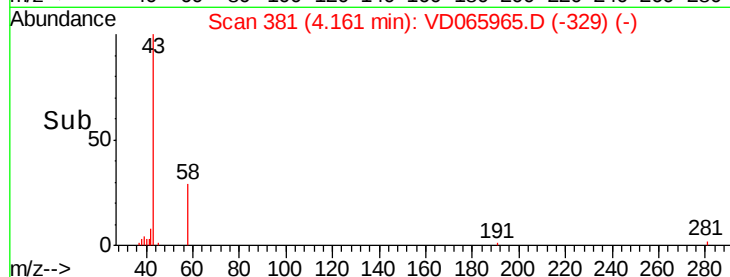
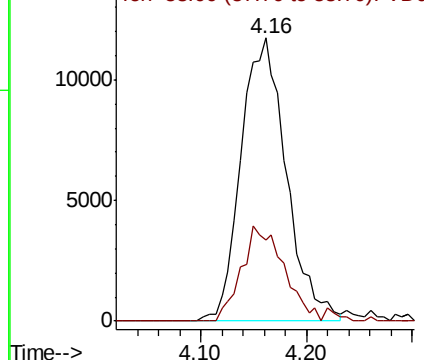
Ion Ratio Lower Upper

43 100

58 28.8 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: 25.007 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065965.D

Acq: 16 Jul 2020 18:56

Tgt Ion: 84 Resp: 118765

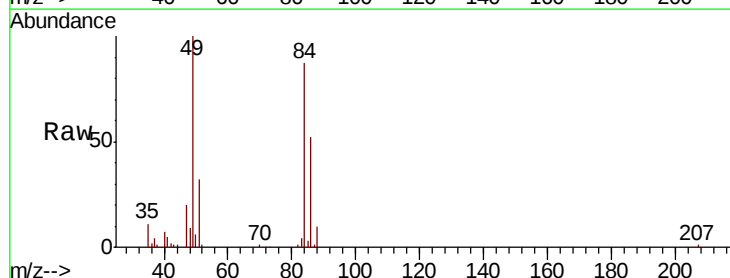
Ion Ratio Lower Upper

84 100

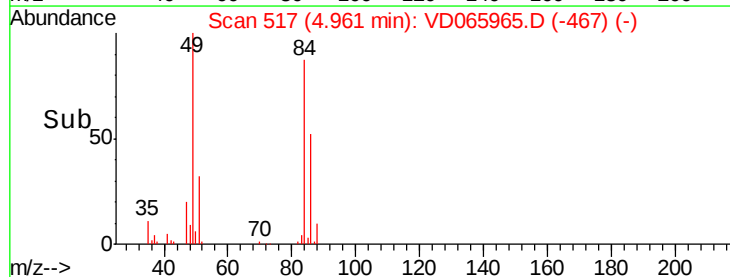
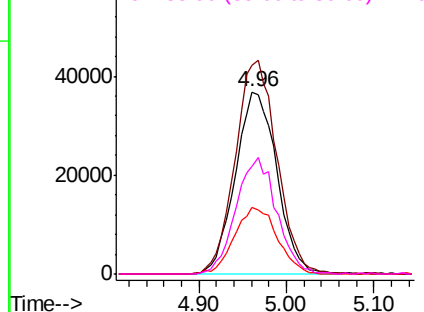
49 115.1 102.2 153.2

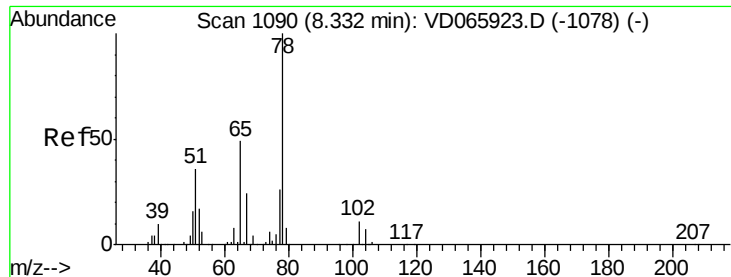
51 36.3 29.8 44.6

86 59.3 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

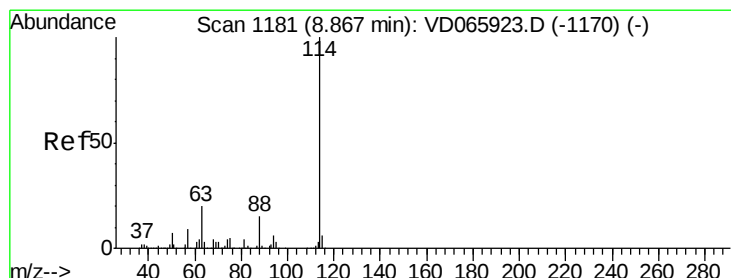
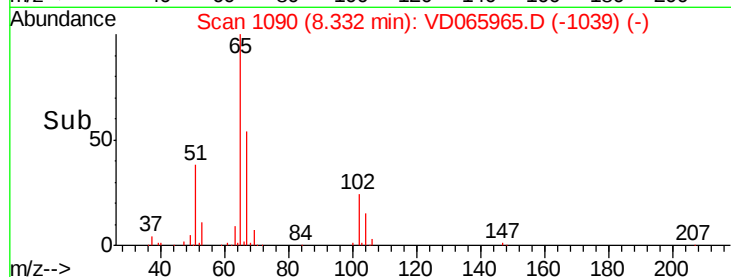
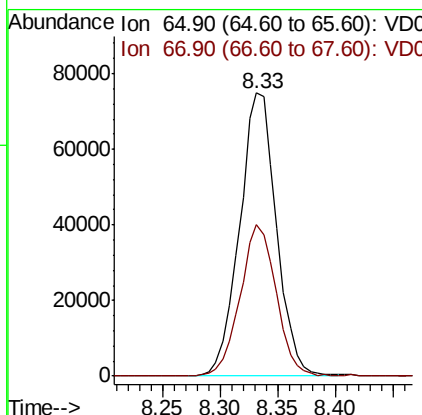
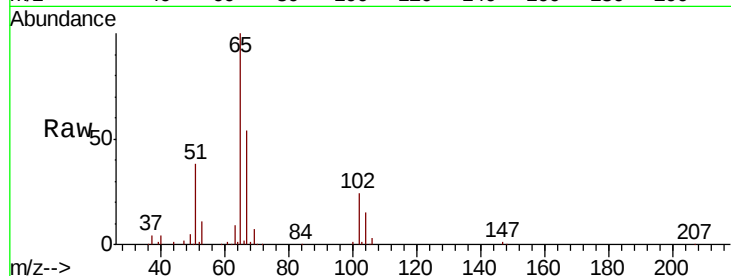




#33
 1,2-Dichloroethane-d4
 Concen: 53.070 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065965.D
 Acq: 16 Jul 2020 18:56

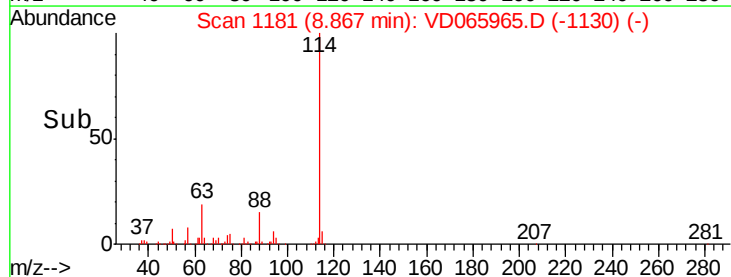
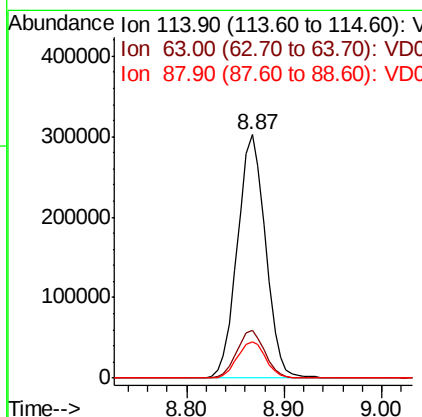
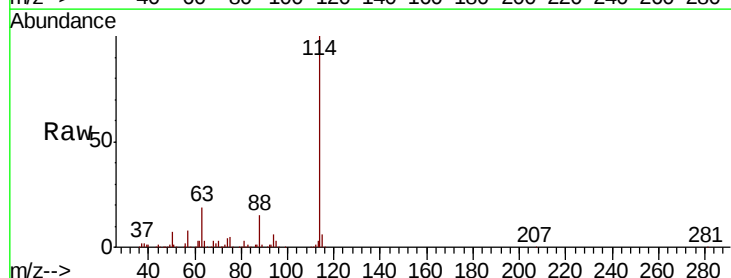
Instrument :
 MSVOA_D
 ClientSampleId :
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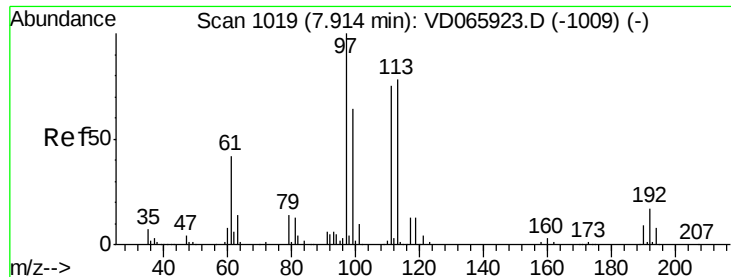
Tot Ion: 65 Resp: 166228
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065965.D
 Acq: 16 Jul 2020 18:56

Tgt Ion: 114 Resp: 606977
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.2
 88 14.8 0.0 30.0

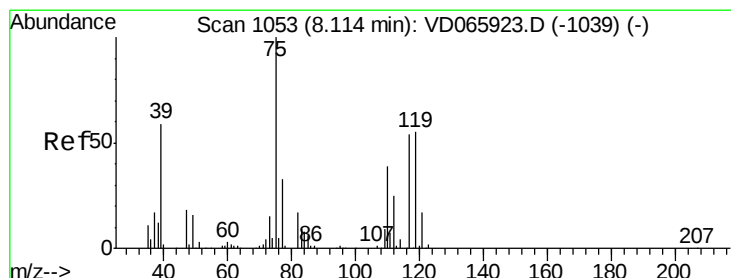
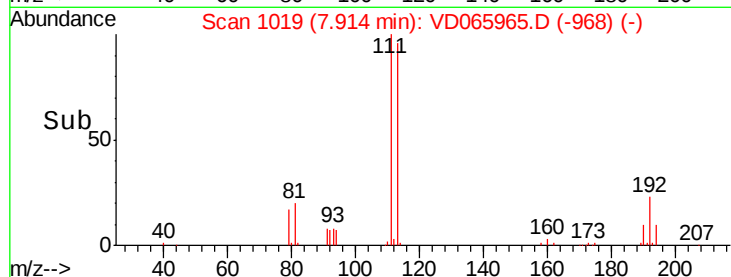
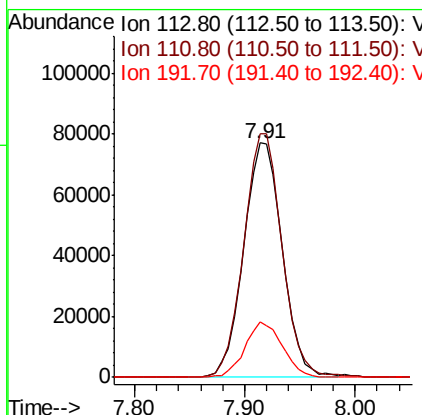
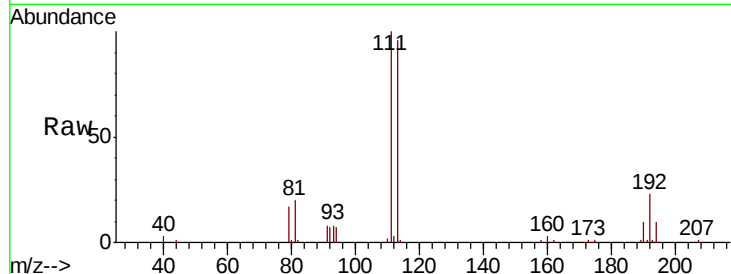




#35
 Dibromofluoromethane
 Concen: 50.599 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD065965.D
 Acq: 16 Jul 2020 18:56

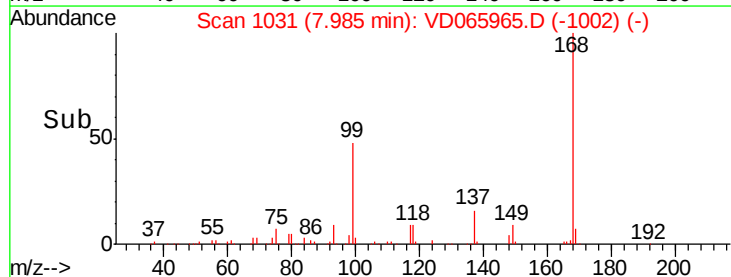
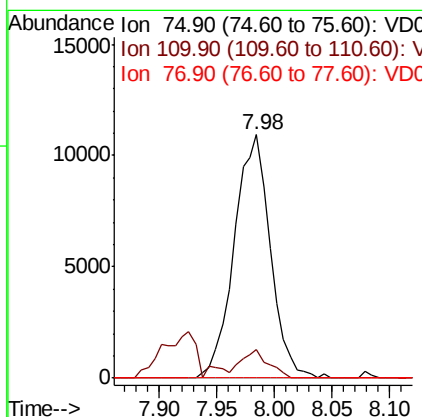
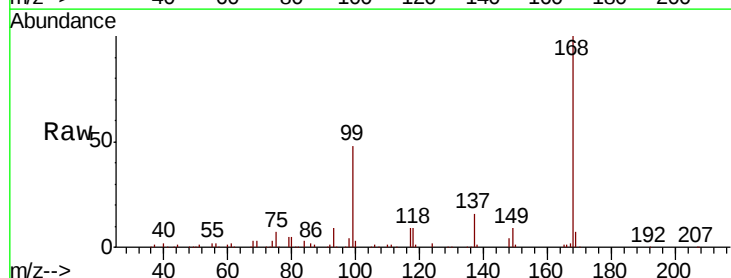
Instrument :
 MSVOA_D
 ClientSampled :
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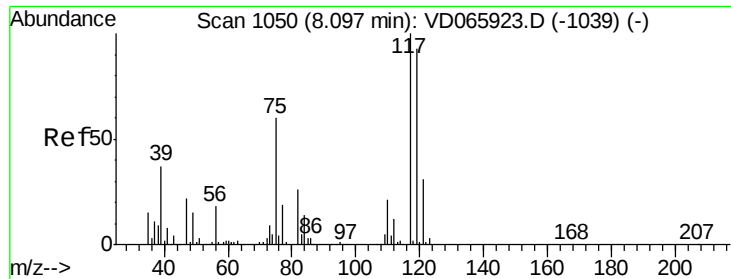
Tot Ion:113 Resp: 189463
 Ion Ratio Lower Upper
 113 100
 111 103.3 80.9 121.3
 192 22.8 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 3.963 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065965.D
 Acq: 16 Jul 2020 18:56

Tgt Ion: 75 Resp: 23757
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.5 55.5#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 4.970 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD065965.D

Acq: 16 Jul 2020 18:56

Instrument :

MSVOA_D

ClientSampled :

5

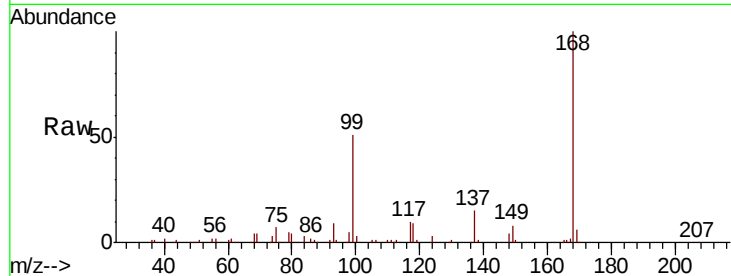
Tot Ion:117 Resp: 31933

Ion Ratio Lower Upper

117 100

119 6.7 74.7 112.1#

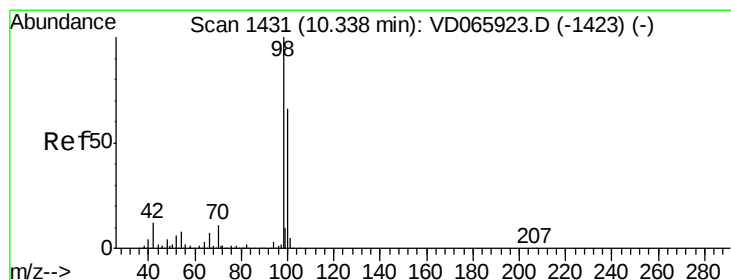
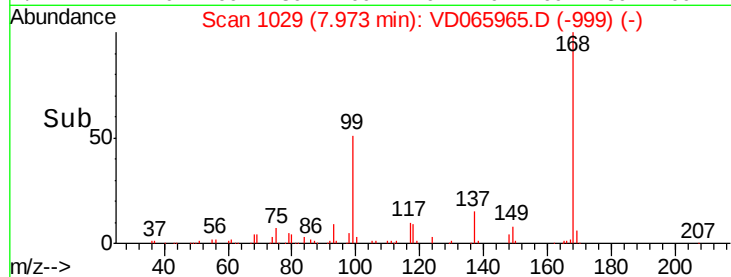
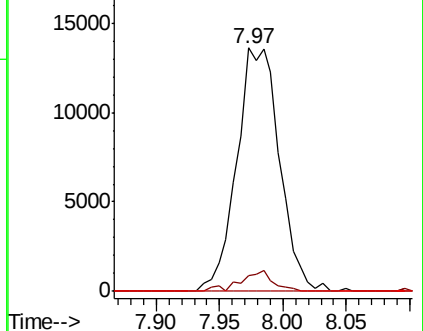
121 0.0 24.9 37.3#



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: 54.043 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065965.D

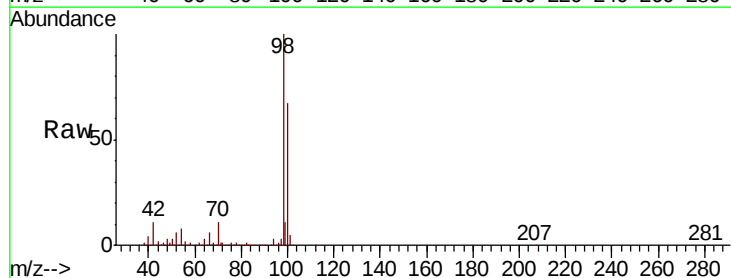
Acq: 16 Jul 2020 18:56

Tgt Ion: 98 Resp: 738324

Ion Ratio Lower Upper

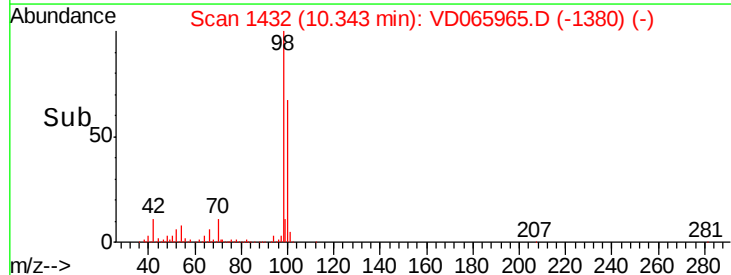
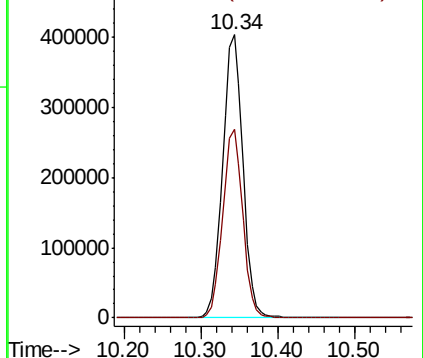
98 100

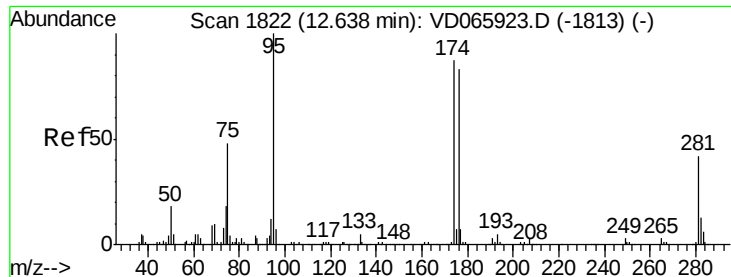
100 65.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

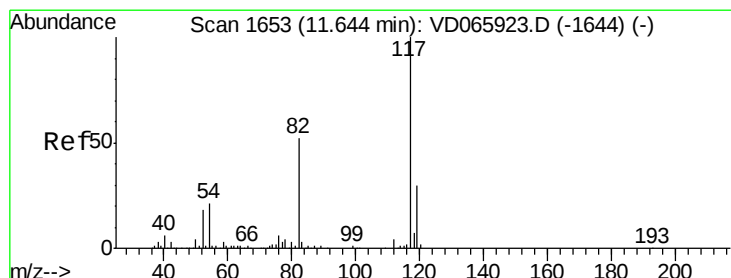
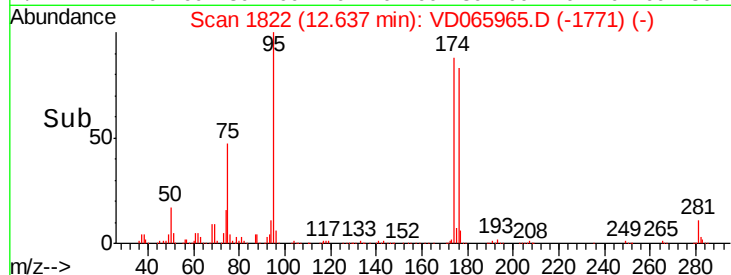
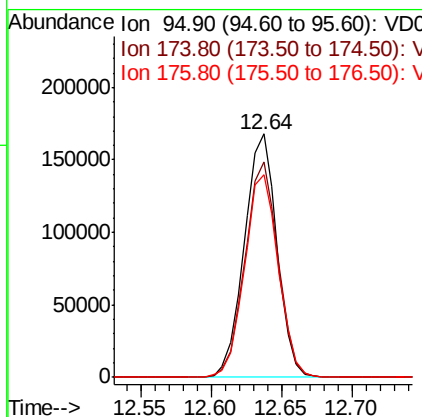
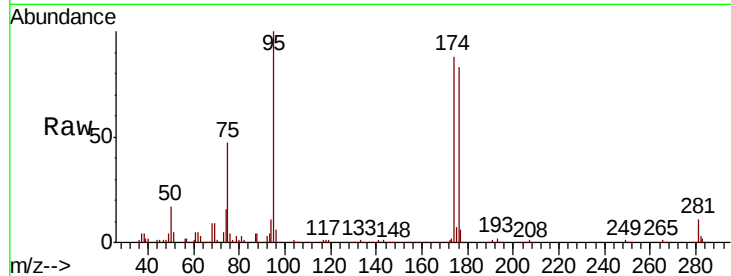




#62
4-Bromofluorobenzene
Concen: 57.912 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065965.D
Acq: 16 Jul 2020 18:56

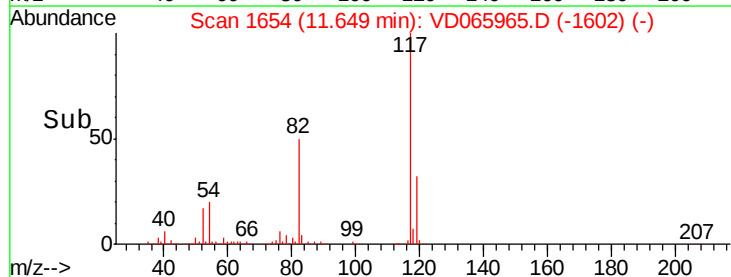
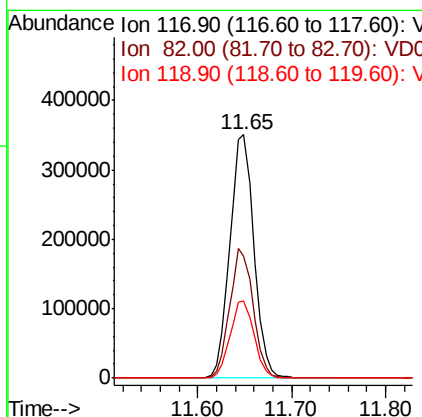
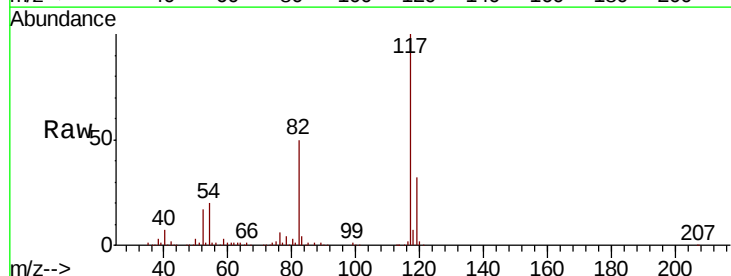
Instrument :
MSVOA_D
ClientSampled :
5

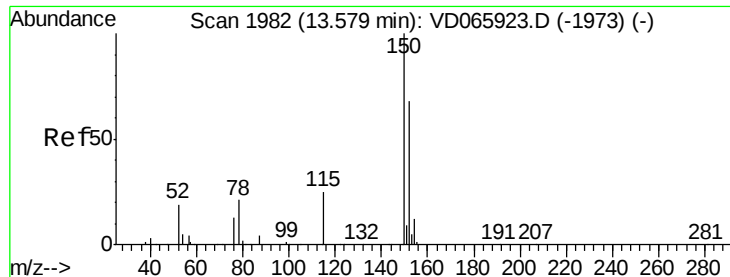
Tot Ion	95	Resp	271695
Ion Ratio	Lower	Upper	
95	100		
174	89.8	0.0	169.4
176	86.2	0.0	164.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065965.D
Acq: 16 Jul 2020 18:56

Tgt Ion	117	Resp	622896
Ion Ratio	Lower	Upper	
117	100		
82	50.1	41.8	62.8
119	31.8	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: VD065965.D

Acq: 16 Jul 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

5

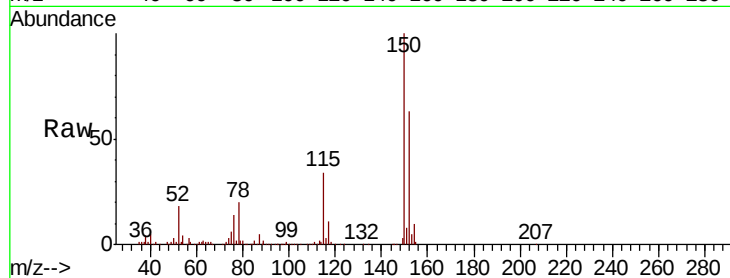
Tot Ion:152 Resp: 296716

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.3

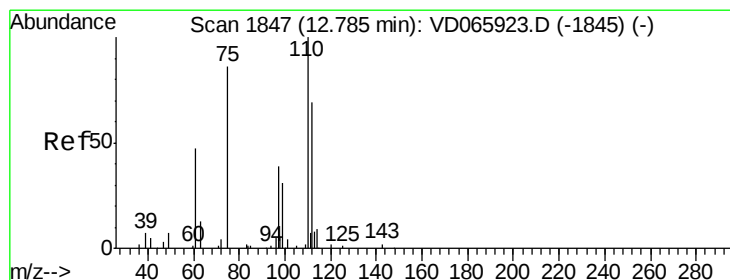
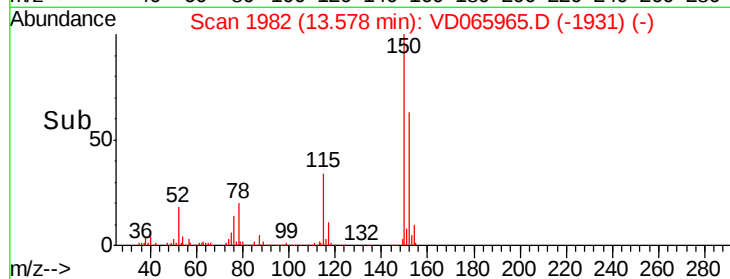
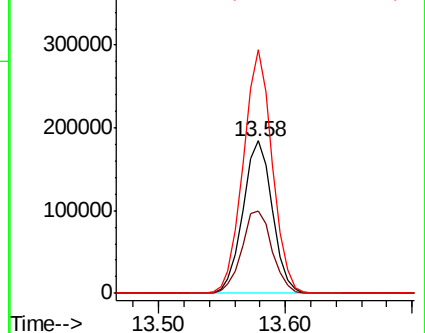
150 157.1 0.0 347.2



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: 52.914 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065965.D

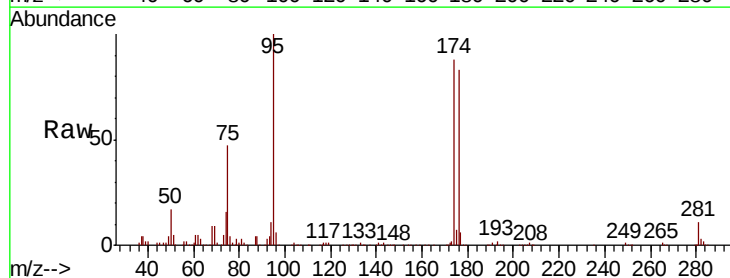
Acq: 16 Jul 2020 18:56

Tgt Ion: 75 Resp: 131705

Ion Ratio Lower Upper

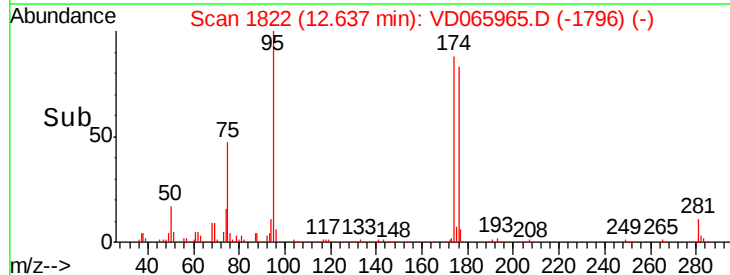
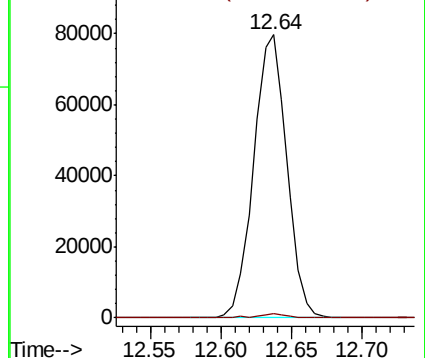
75 100

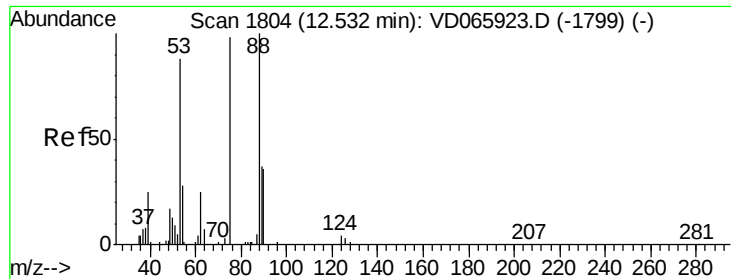
77 1.3 0.0 0.0#



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: 113.696 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065965.D

Acq: 16 Jul 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

5

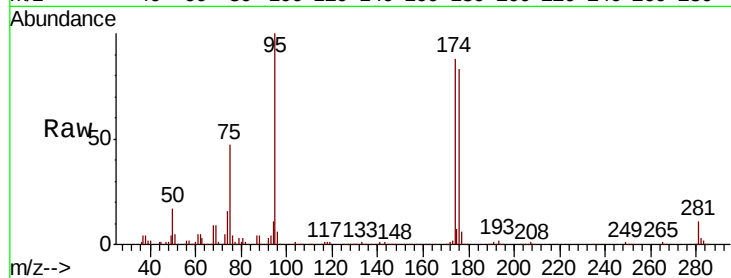
Tot Ion: 75 Resp: 131705

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.1 37.5 56.3#



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

