

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066056.D
 Acq On : 24 Jul 2020 19:19
 Operator : VA/SY
 Sample : L3436-01
 Misc : 6.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1

Quant Time: Jul 24 23:55:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	294646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	458578	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	479554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249697	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	117632	49.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.12%	
35) Dibromofluoromethane	7.92	113	135172	48.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.20%	
50) Toluene-d8	10.34	98	550616	53.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.64	95	216684	60.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.62%	

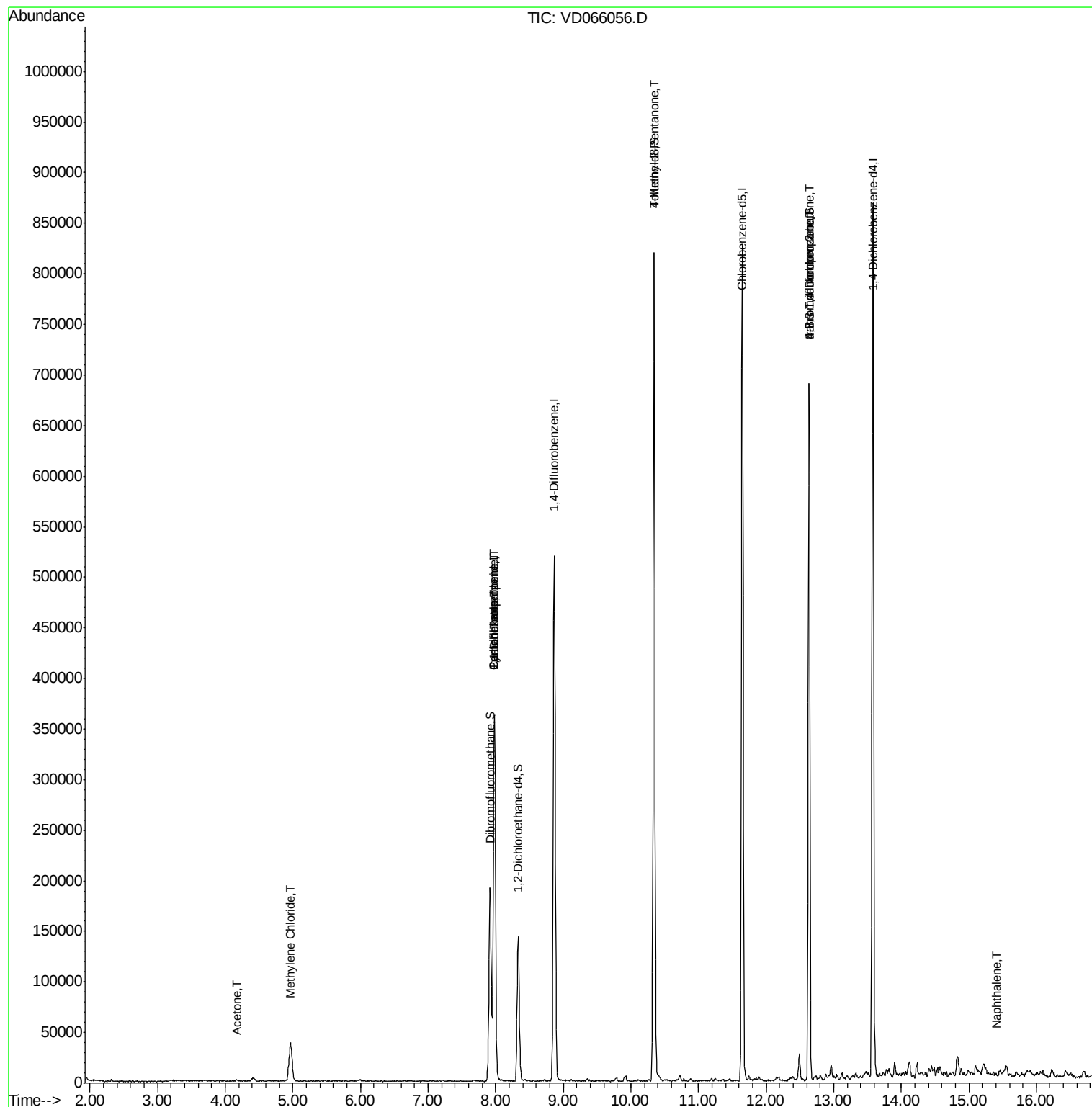
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	56	Below Cal	#	83
16) Acetone	4.16	43	1416	2.918	ug/l #	42
20) Methylene Chloride	4.97	84	29654	8.596	ug/l #	90
31) Cyclohexane	7.98	56	5554	1.288	ug/l #	31
36) 1,1-Dichloropropene	7.98	75	18438	4.711	ug/l #	51
38) Carbon Tetrachloride	7.98	117	26962	6.349	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2945	2.002	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	109105	58.032	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	109105	133.163	ug/l #	11
95) Naphthalene	15.40	128	537	3.610	ug/l #	81

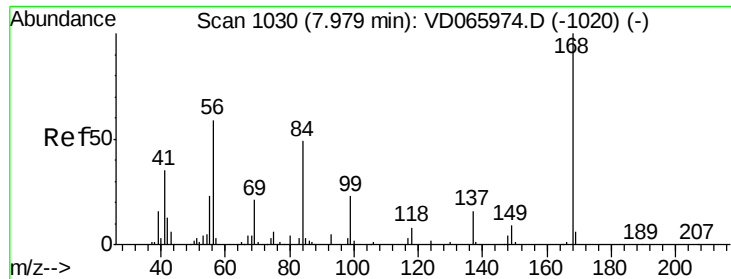
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072420\
Data File : VD066056.D
Acq On : 24 Jul 2020 19:19
Operator : VA/SY
Sample : L3436-01
Misc : 6.22G/5.00ml/MSVOA D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
1

Quant Time: Jul 24 23:55:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066056.D

Acq: 24 Jul 2020 19:19

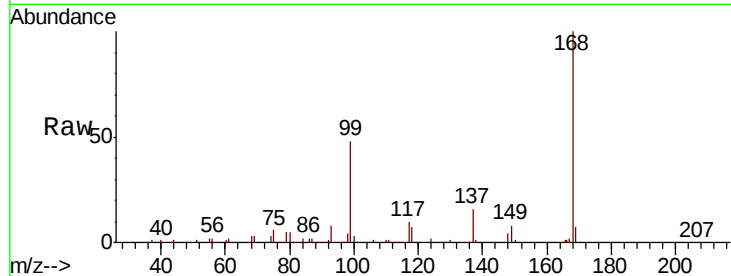
Instrument :
MSVOA_D
ClientSampled :
1

Tot Ion:168 Resp: 294646

Ion Ratio Lower Upper

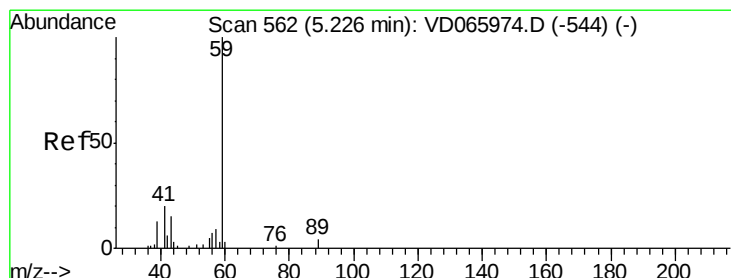
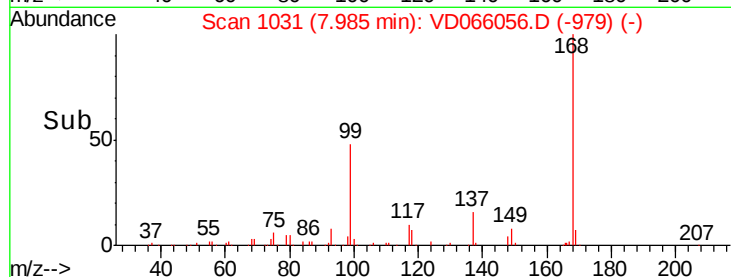
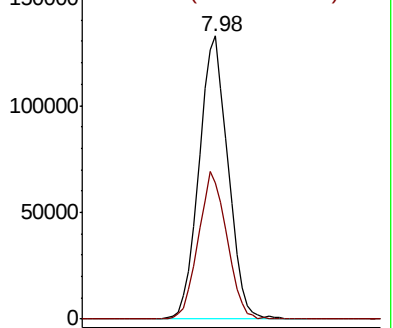
168 100

99 47.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD066056.D

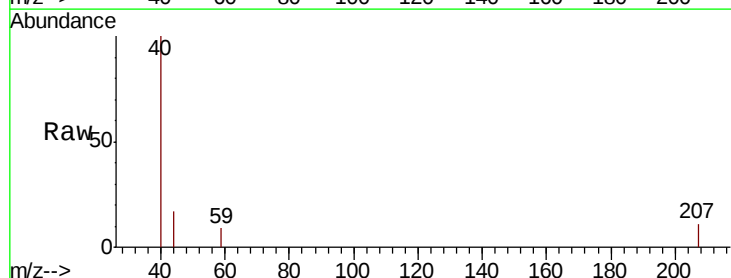
Acq: 24 Jul 2020 19:19

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

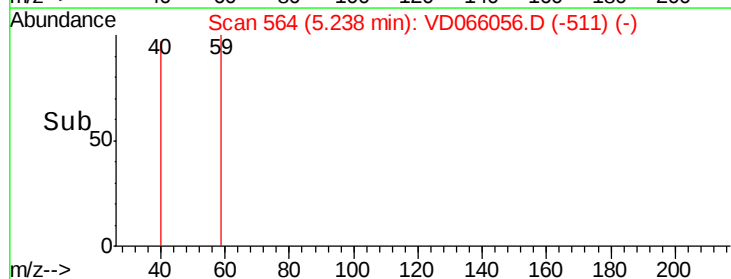
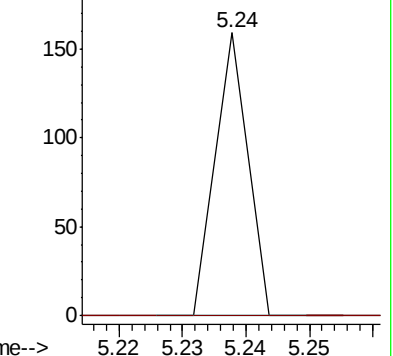
59 100

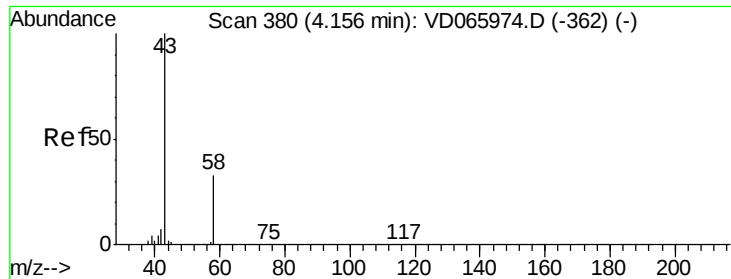
57 0.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.918 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066056.D

Acq: 24 Jul 2020 19:19

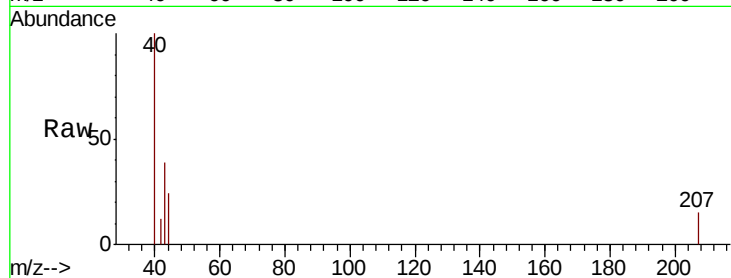
Instrument :
MSVOA_D
ClientSampled :
1

Tot Ion: 43 Resp: 1416

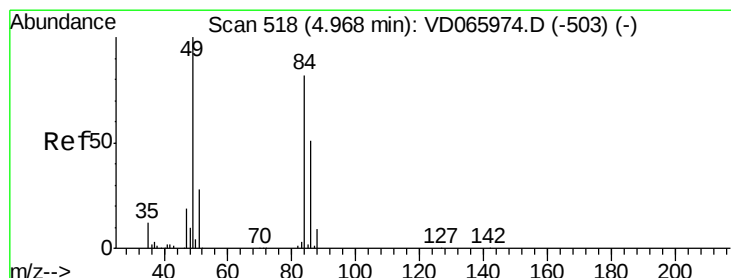
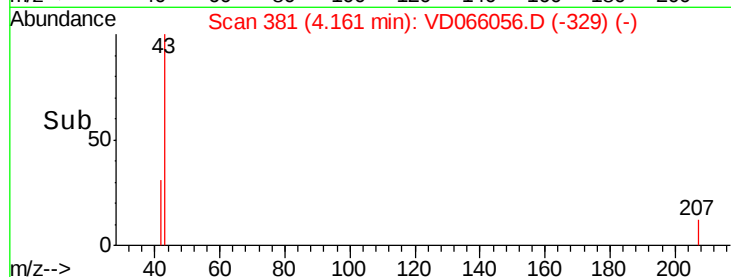
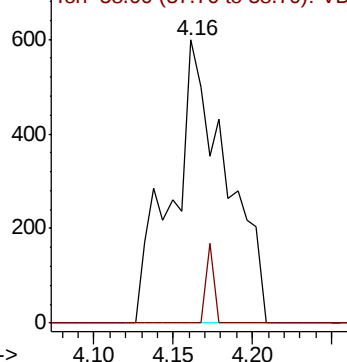
Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 8.596 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066056.D

Acq: 24 Jul 2020 19:19

Tgt Ion: 84 Resp: 29654

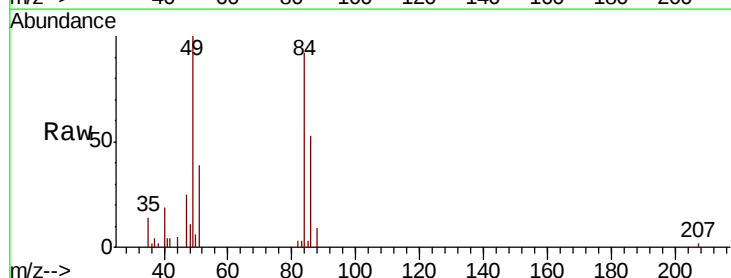
Ion Ratio Lower Upper

84 100

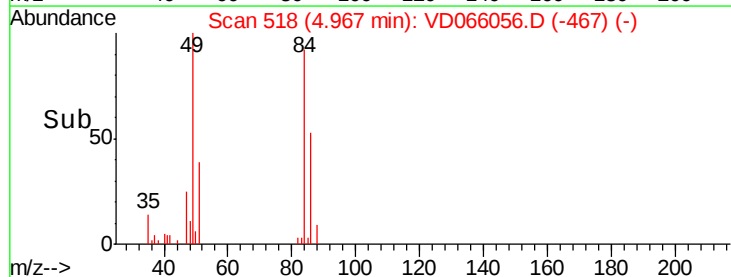
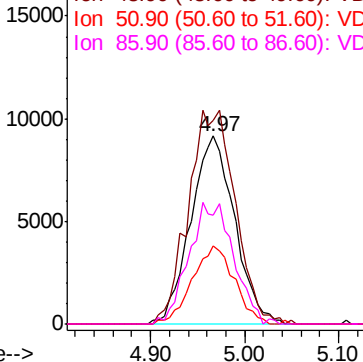
49 108.3 97.7 146.5

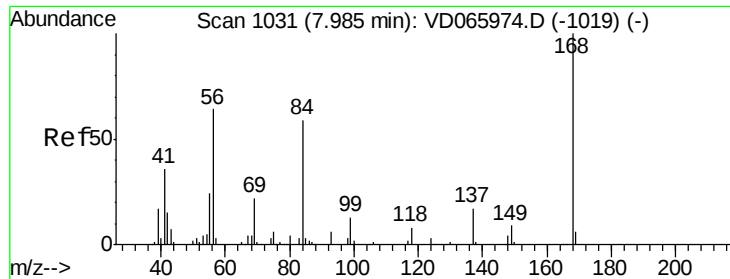
51 41.7 27.4 41.2#

86 57.9 49.4 74.2



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

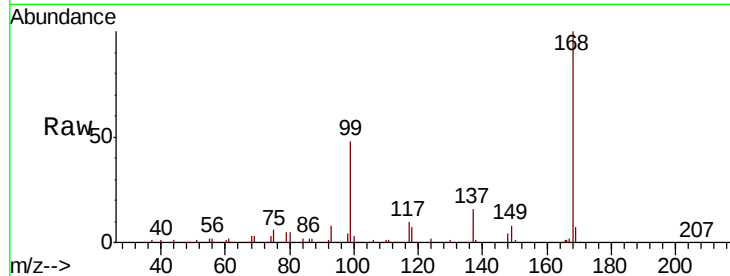




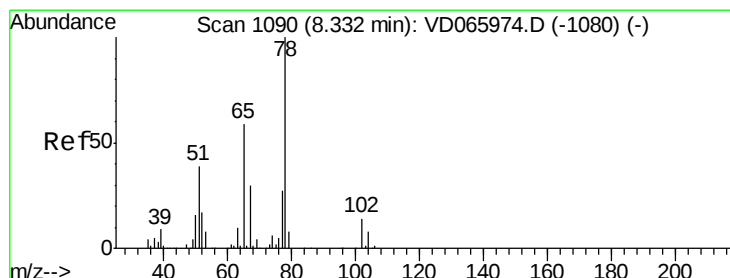
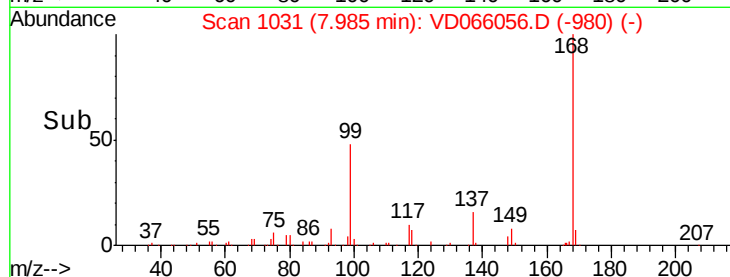
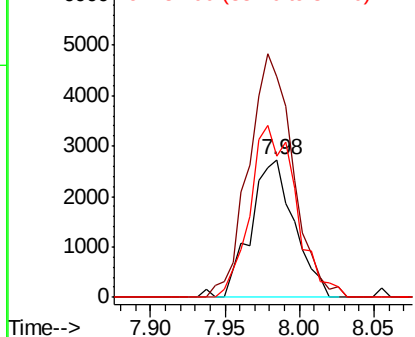
#31
Cyclohexane
Concen: 1.288 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066056.D
Acq: 24 Jul 2020 19:19

Instrument :
MSVOA_D
ClientSampled :
1

Tot Ion: 56 Resp: 5554
Ion Ratio Lower Upper
56 100
69 160.0 28.0 42.0#
84 102.2 72.6 109.0

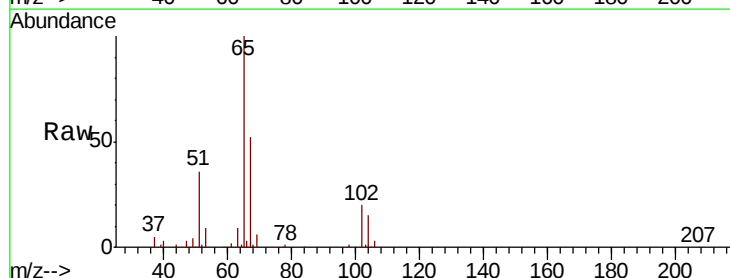


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

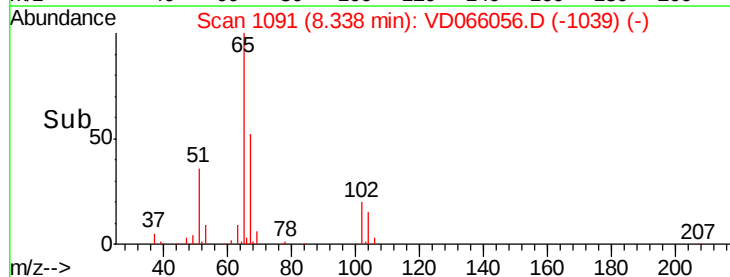
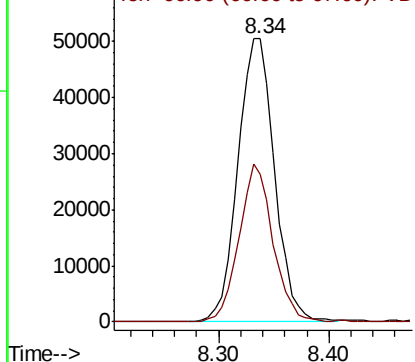


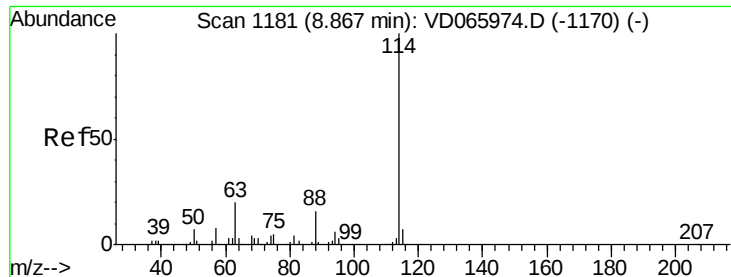
#33
1,2-Dichloroethane-d4
Concen: 49.064 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD066056.D
Acq: 24 Jul 2020 19:19

Tgt Ion: 65 Resp: 117632
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

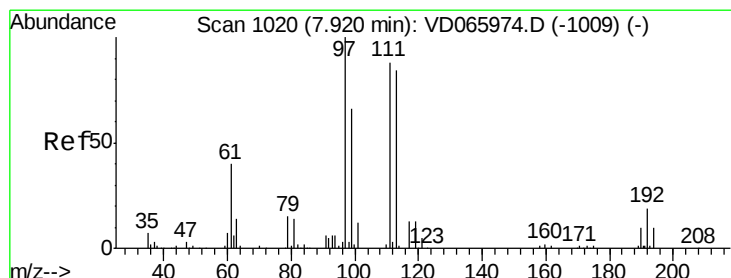
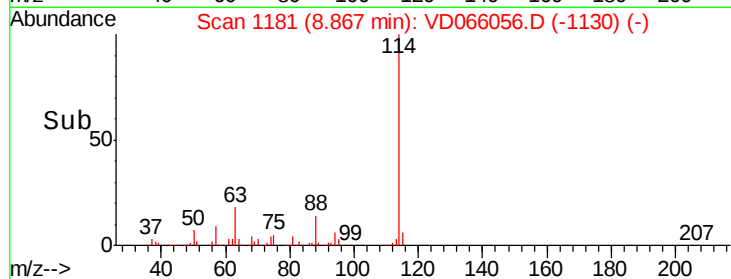
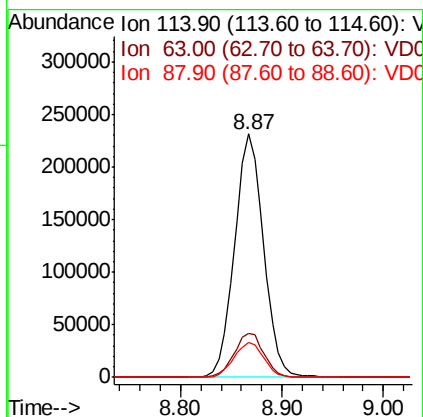
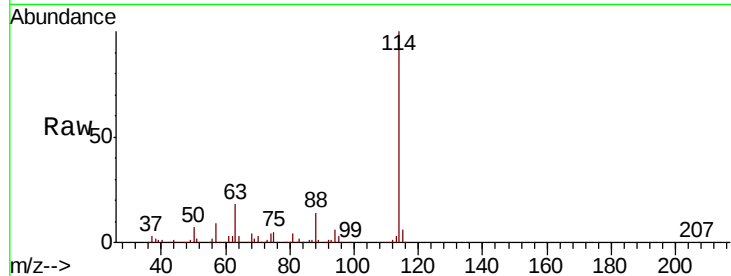




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066056.D
 Acq: 24 Jul 2020 19:19

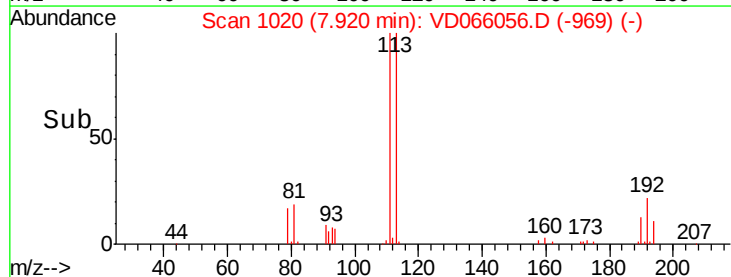
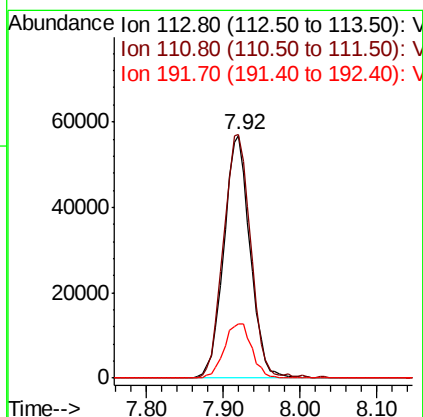
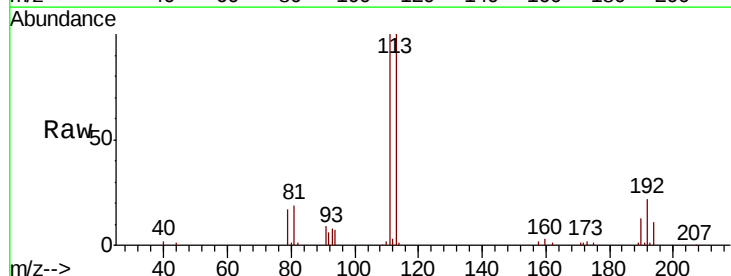
Instrument :
 MSVOA_D
 ClientSampled :
 1

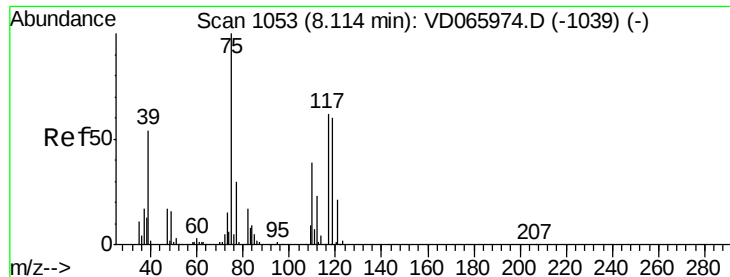
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	39.6
88	14.2	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 48.598 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD066056.D
 Acq: 24 Jul 2020 19:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.2	124.8
192	23.4	18.7	28.1

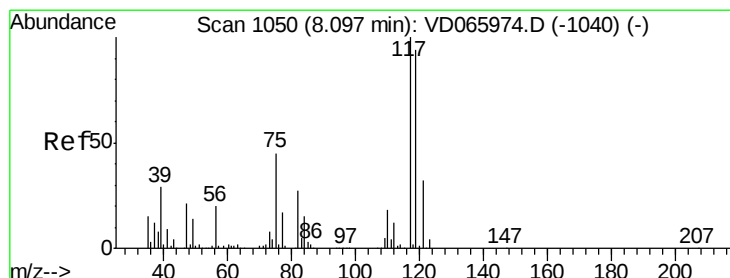
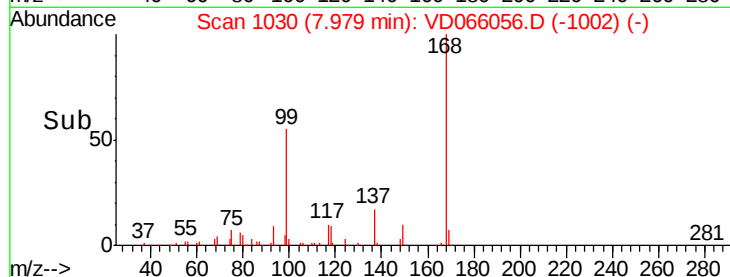
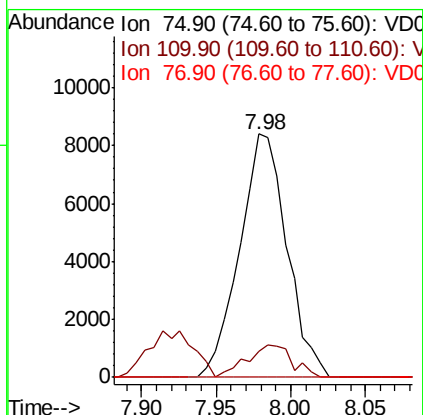
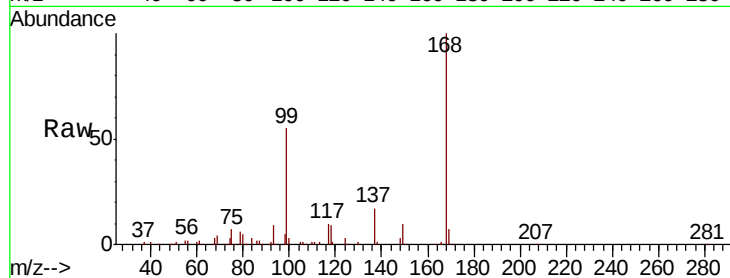




#36
 1,1-Dichloropropene
 Concen: 4.711 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066056.D
 Acq: 24 Jul 2020 19:19

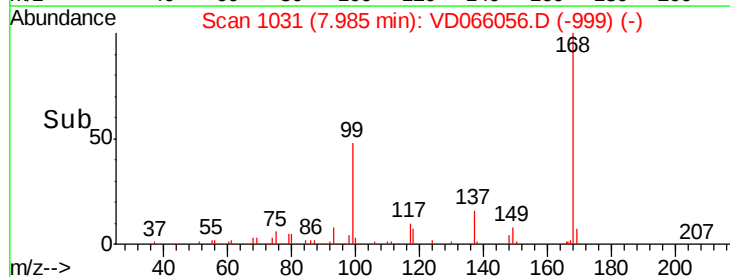
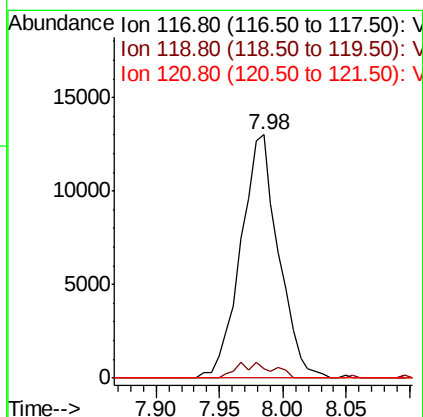
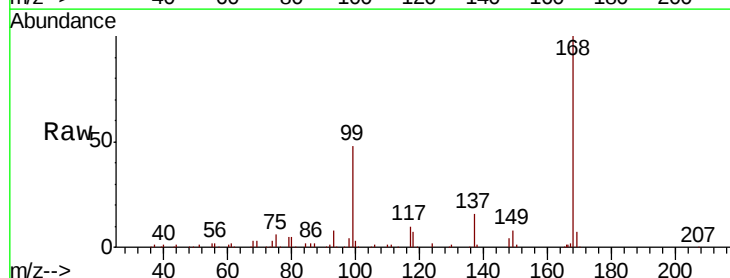
Instrument :
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 ClientSampled :
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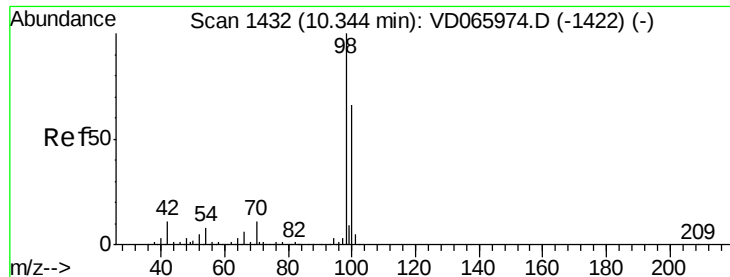
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.8	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.349 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD066056.D
 Acq: 24 Jul 2020 19:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	75.0	112.6#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 53.140 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066056.D

Acq: 24 Jul 2020 19:19

Instrument :

MSVOA_D

ClientSampleId :

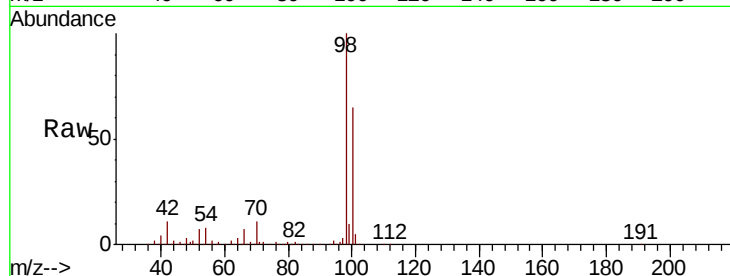
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Tot Ion: 98 Resp: 550616

Ion Ratio Lower Upper

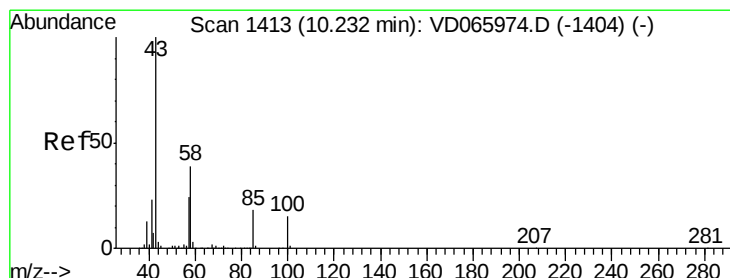
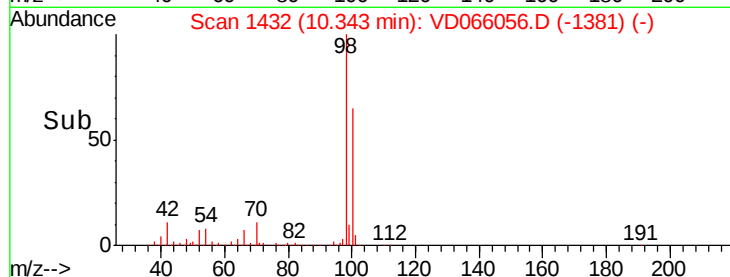
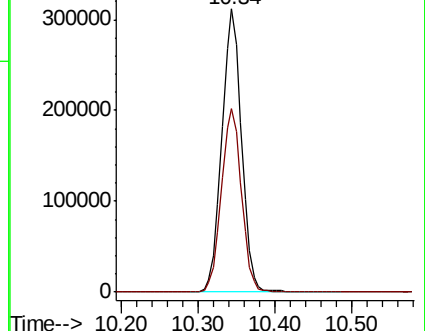
98 100

100 66.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 2.002 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD066056.D

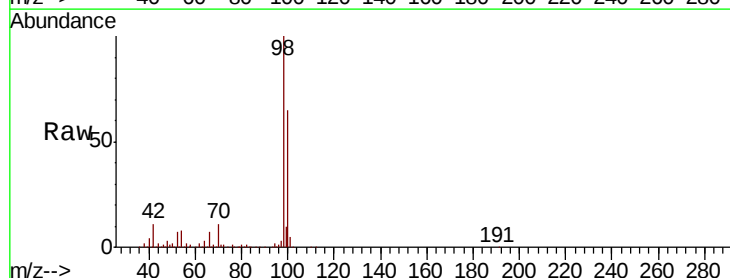
Acq: 24 Jul 2020 19:19

Tgt Ion: 43 Resp: 2945

Ion Ratio Lower Upper

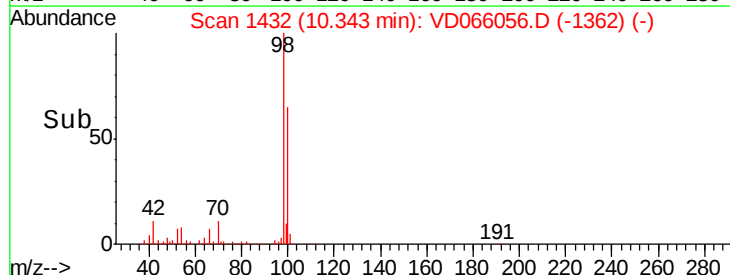
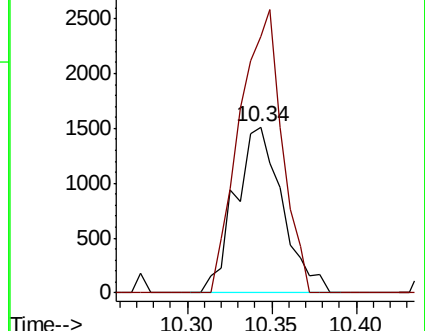
43 100

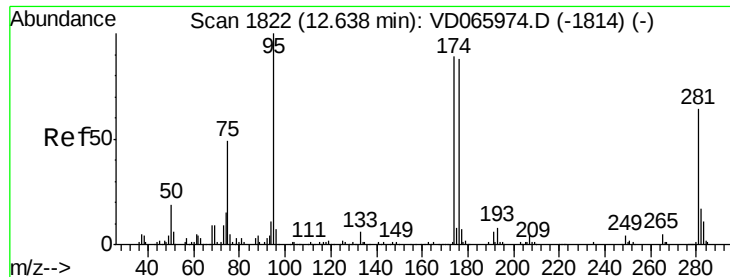
58 154.2 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

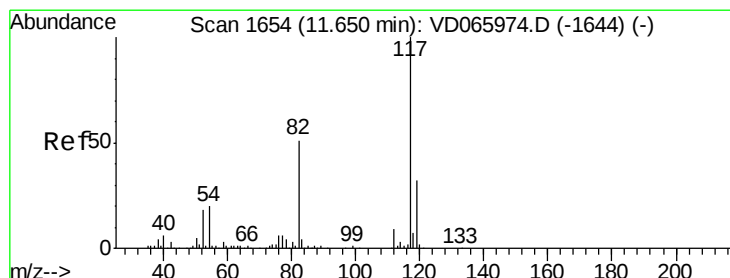
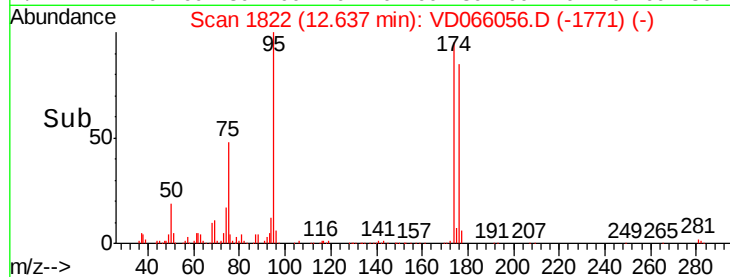
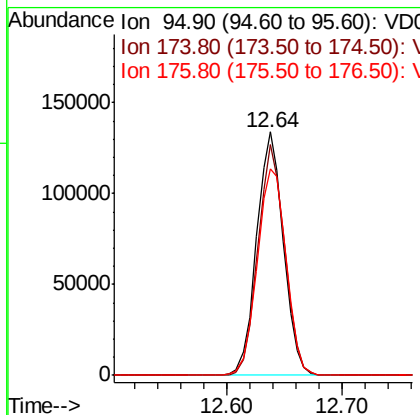
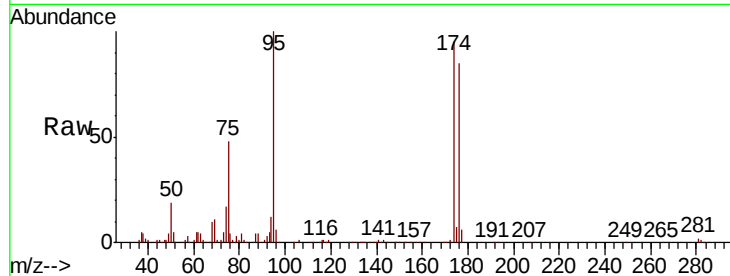




#62
4-Bromofluorobenzene
Concen: 60.312 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066056.D
Acq: 24 Jul 2020 19:19

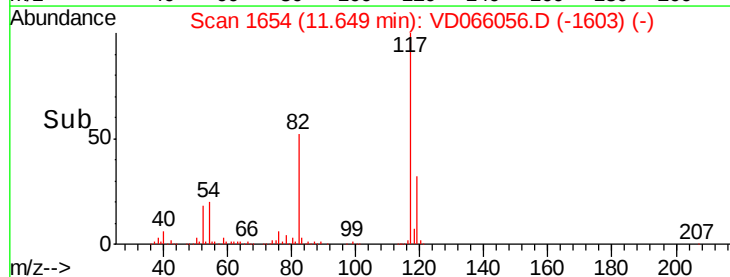
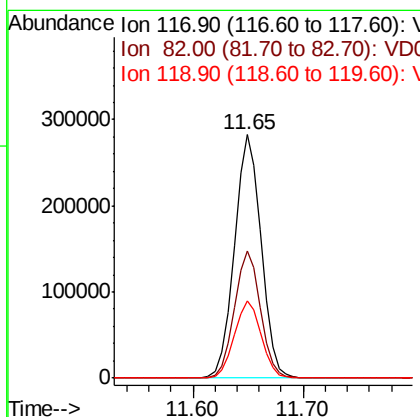
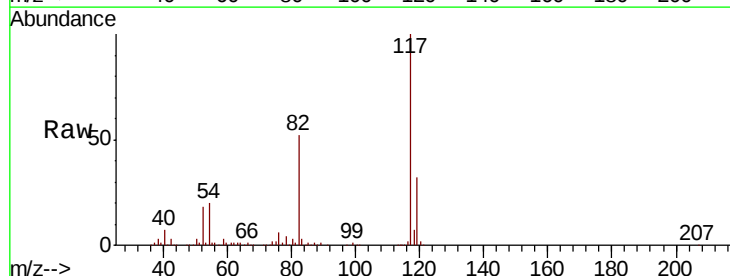
Instrument :
MSVOA_D
ClientSampleId :
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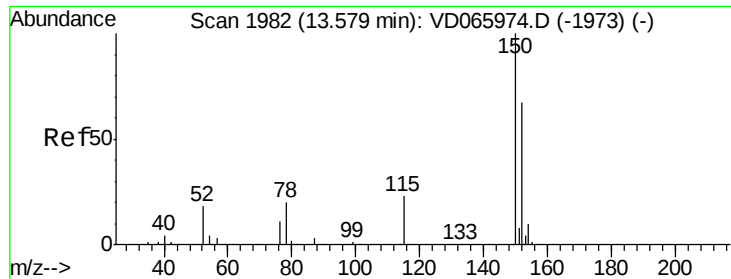
Tot Ion: 95 Resp: 216684
Ion Ratio Lower Upper
95 100
174 94.5 0.0 178.8
176 91.3 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066056.D
Acq: 24 Jul 2020 19:19

Tgt Ion: 117 Resp: 479554
Ion Ratio Lower Upper
117 100
82 52.2 41.1 61.7
119 31.6 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD066056.D

Acq: 24 Jul 2020 19:19

Instrument :

MSVOA_D

ClientSampled :

1

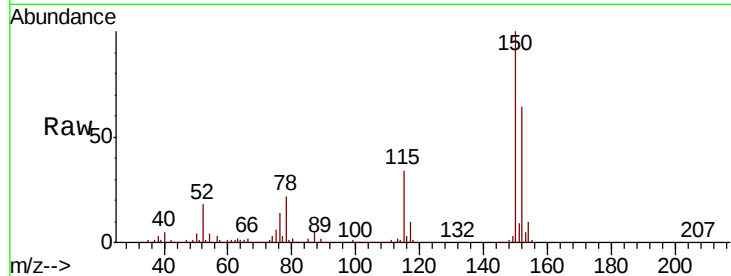
Tot Ion:152 Resp: 249697

Ion Ratio Lower Upper

152 100

115 54.7 27.9 83.7

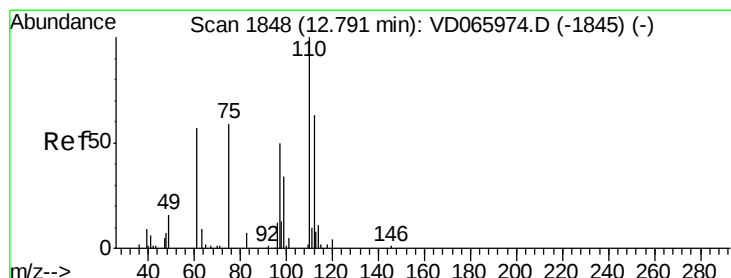
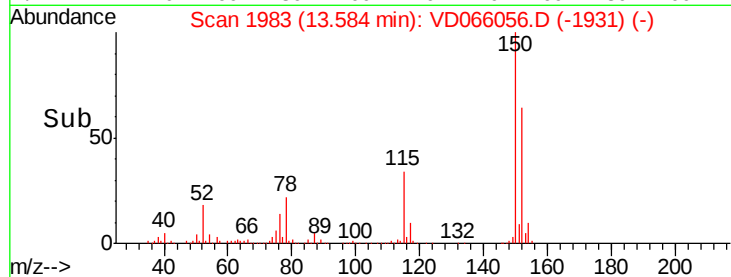
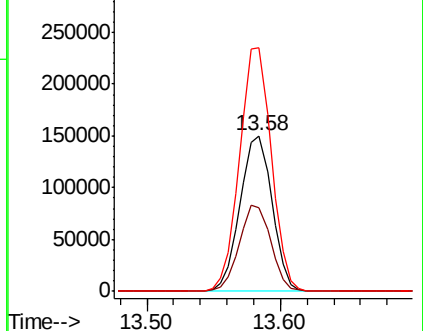
150 155.0 0.0 348.2



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: 58.032 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066056.D

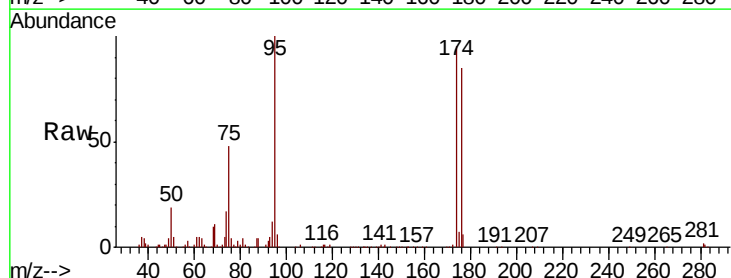
Acq: 24 Jul 2020 19:19

Tgt Ion: 75 Resp: 109105

Ion Ratio Lower Upper

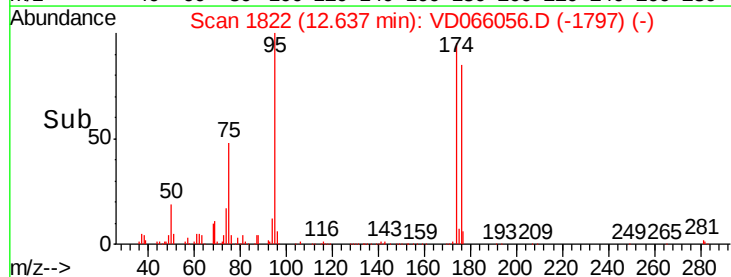
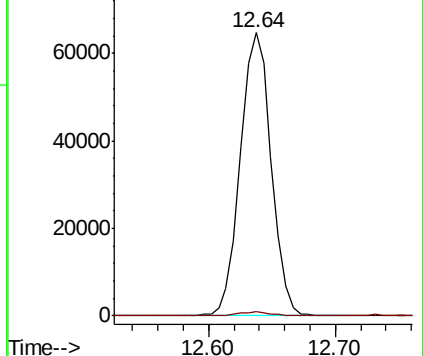
75 100

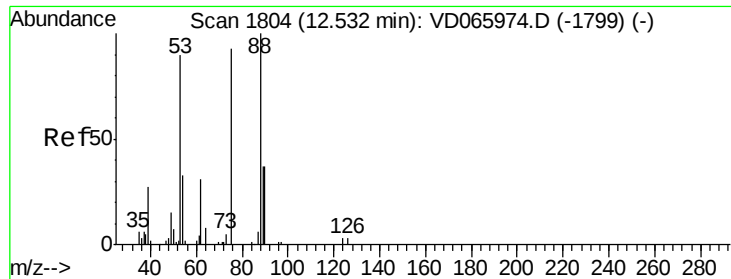
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

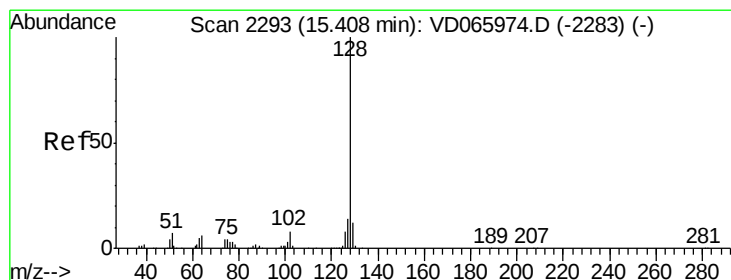
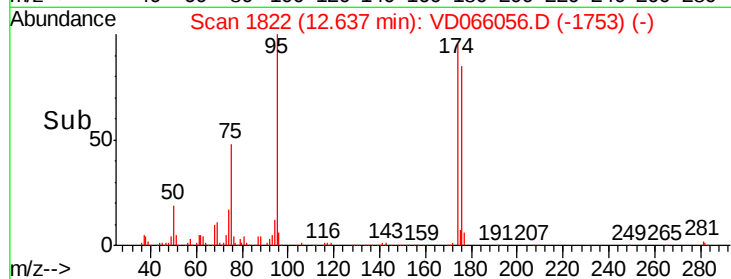
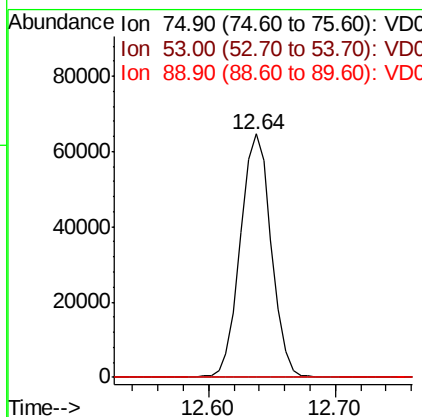
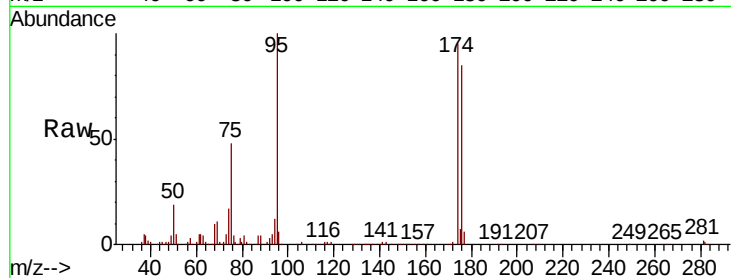




#81
trans-1,4-Dichloro-2-butene
Concen: 133.163 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD066056.D
Acq: 24 Jul 2020 19:19

Instrument :
MSVOA_D
ClientSampleId :
1

Tot Ion: 75 Resp: 109105
Ion Ratio Lower Upper
75 100
53 0.1 76.8 115.2#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 3.610 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066056.D
Acq: 24 Jul 2020 19:19

Tgt Ion: 128 Resp: 537
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 10.4 8.9 13.3

