

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
 Data File : VD065493.D
 Acq On : 12 Mar 2020 19:44
 Operator : VA/SY
 Sample : L1912-27
 Misc : 7.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 Z1-5A

Quant Time: Mar 13 04:27:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	552807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	934717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	892034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	414746	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	278569	58.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.50%	
35) Dibromofluoromethane	7.92	113	302405	52.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.64%	
50) Toluene-d8	10.34	98	1126236	50.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.64	95	357209	52.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.36%	

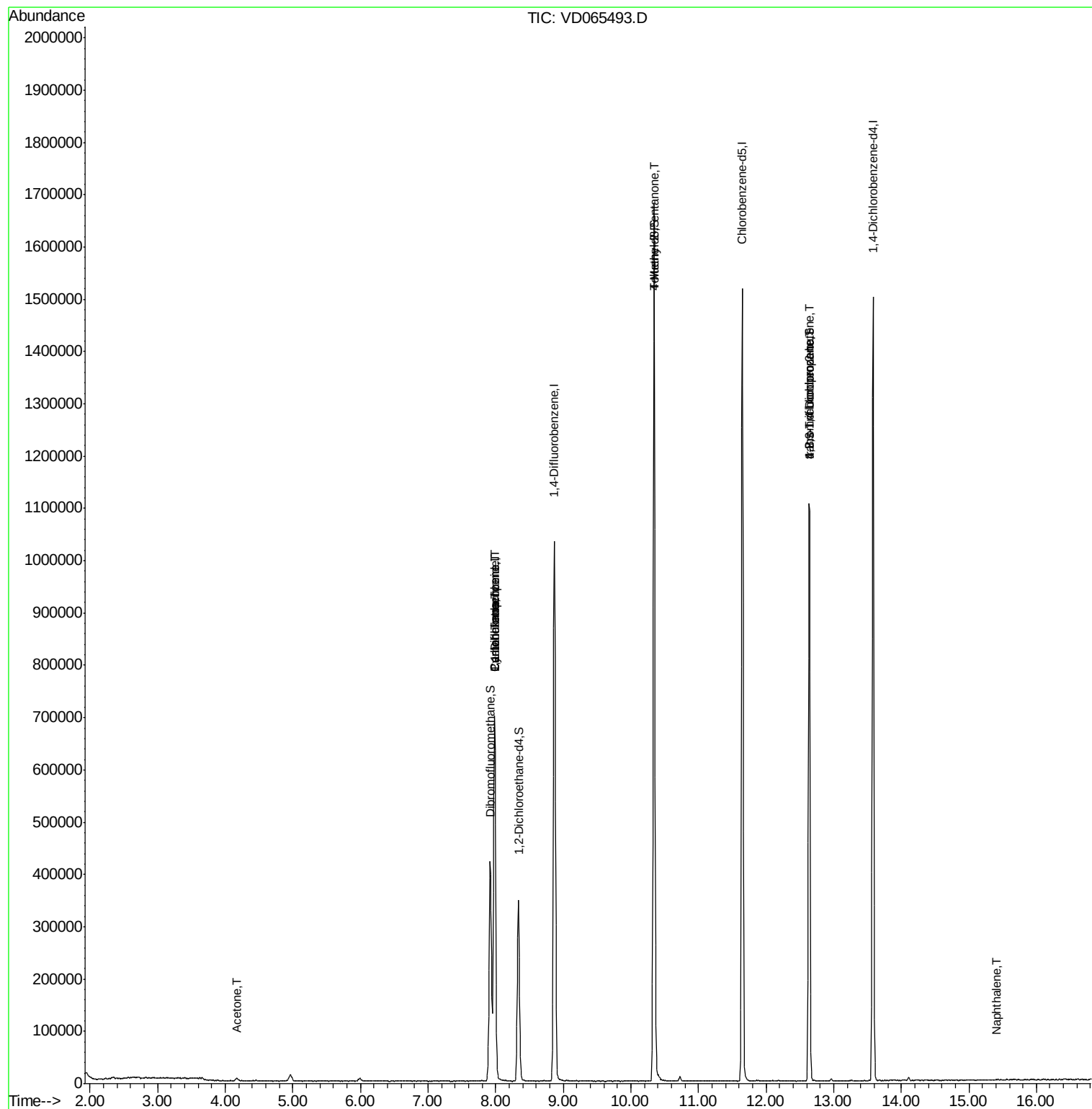
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	71	Below Cal	#	77
16) Acetone	4.17	43	8551	8.92	ug/l #	76
20) Methylene Chloride	4.97	84	9346	Below Cal	#	90
31) Cyclohexane	7.99	56	10073	1.07	ug/l #	5
36) 1,1-Dichloropropene	7.98	75	38378	4.28	ug/l #	49
38) Carbon Tetrachloride	7.98	117	52641	5.67	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	4487	1.39	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	172953	52.85	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	172953	111.52	ug/l #	14
95) Naphthalene	15.41	128	394	4.43	ug/l #	69

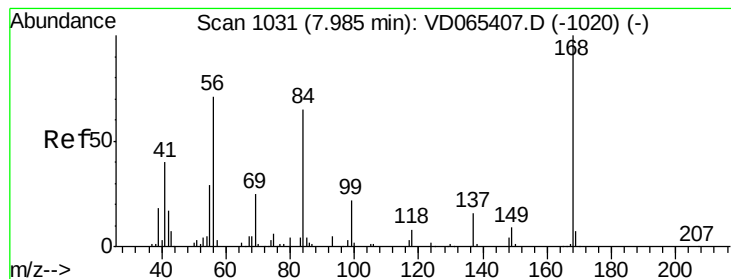
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
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Quant Time: Mar 13 04:27:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065493.D

Acq: 12 Mar 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

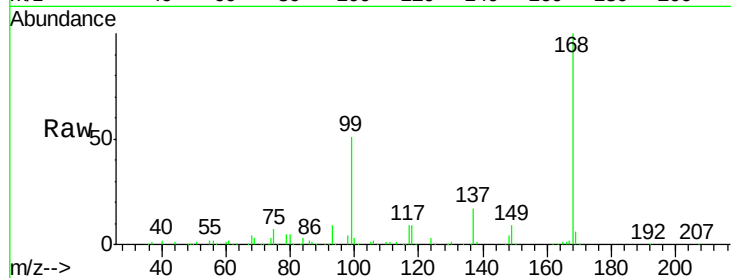
Z1-5A

Tgt Ion:168 Resp: 552807

Ion Ratio Lower Upper

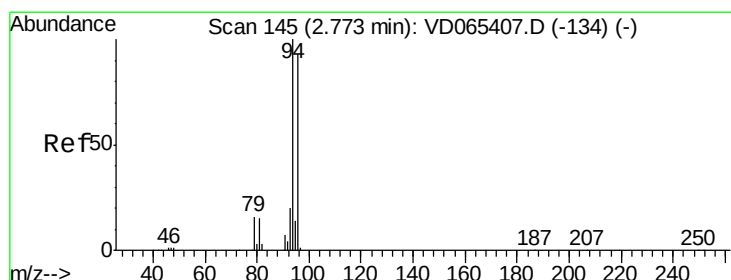
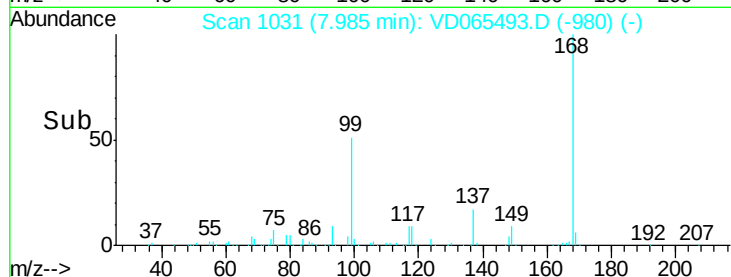
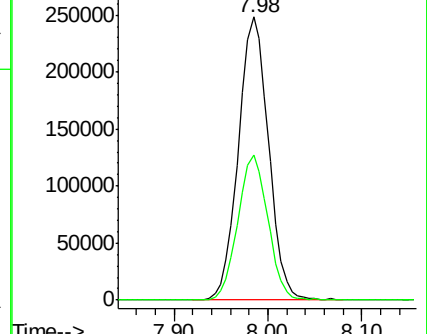
168 100

99 51.3 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065493.D

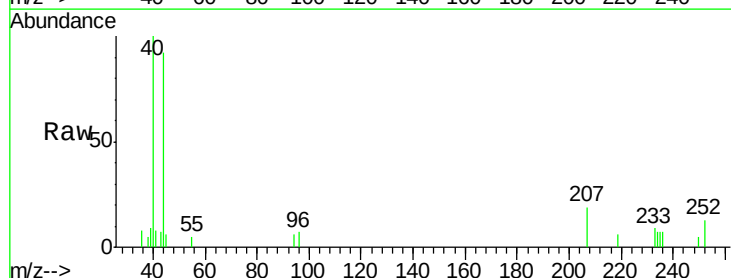
Acq: 12 Mar 2020 19:44

Tgt Ion: 94 Resp: 71

Ion Ratio Lower Upper

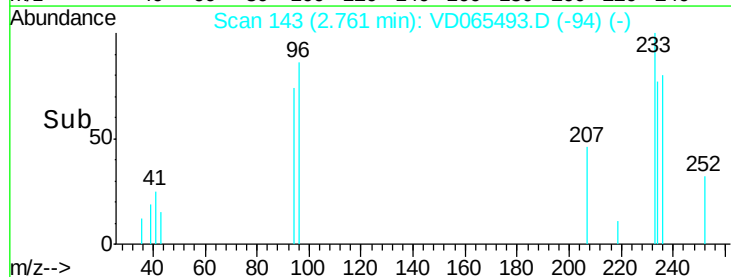
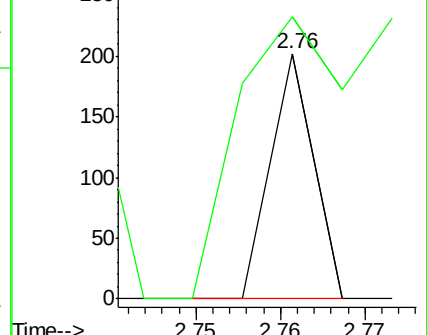
94 100

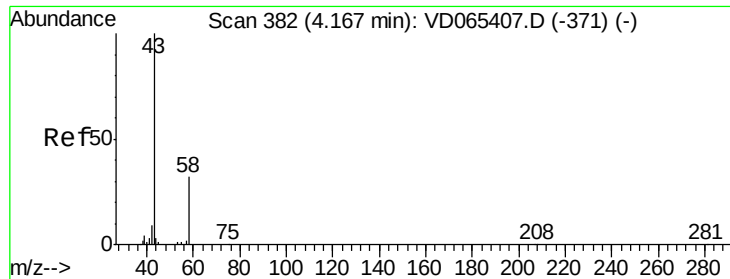
96 115.3 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 8.92 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065493.D

Acq: 12 Mar 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

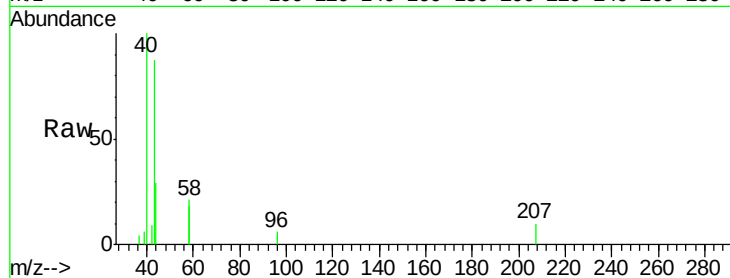
Z1-5A

Tgt Ion: 43 Resp: 8551

Ion Ratio Lower Upper

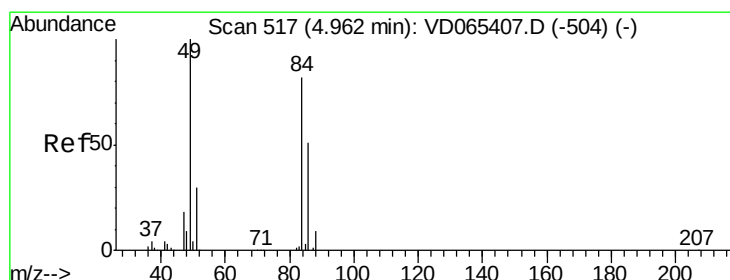
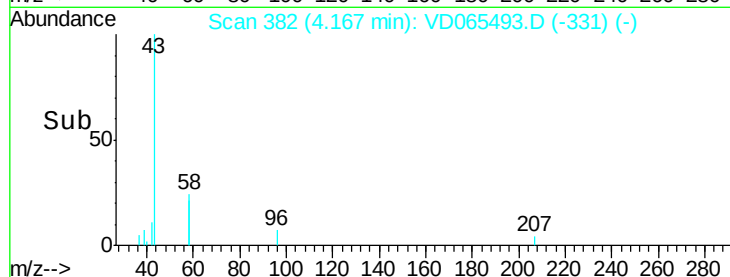
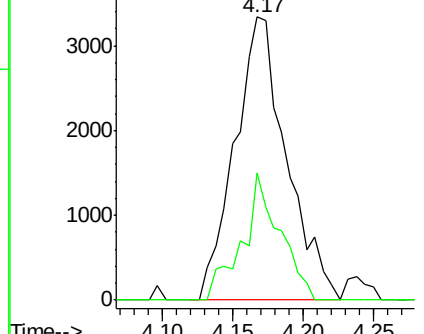
43 100

58 44.8 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD065493.D

Acq: 12 Mar 2020 19:44

Tgt Ion: 84 Resp: 9346

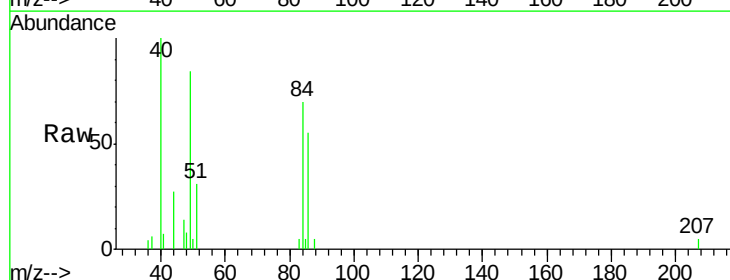
Ion Ratio Lower Upper

84 100

49 119.1 97.7 146.5

51 43.8 28.8 43.2#

86 78.1 49.5 74.3#

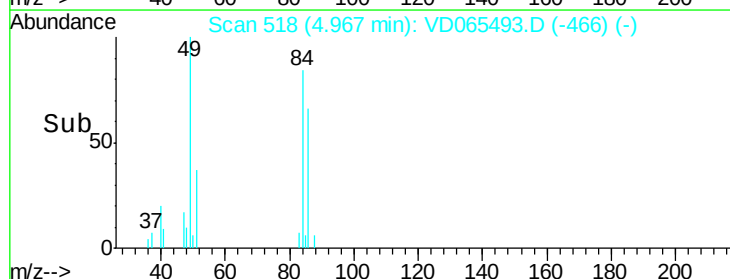
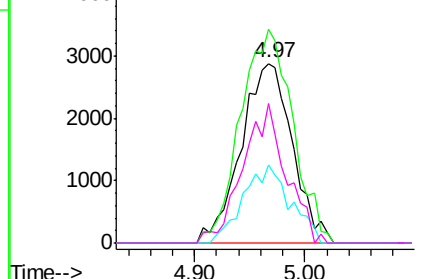


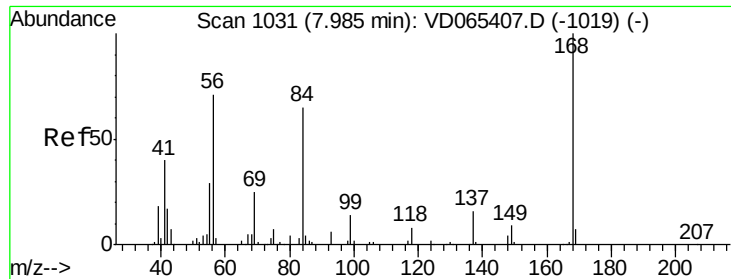
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

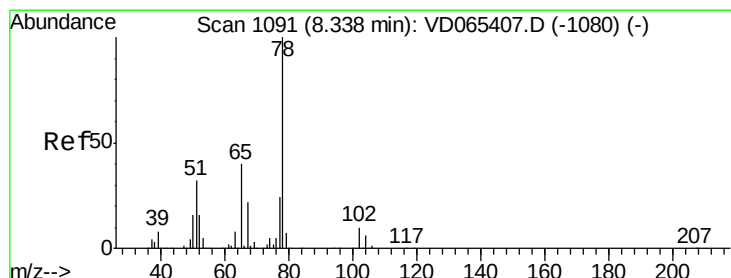
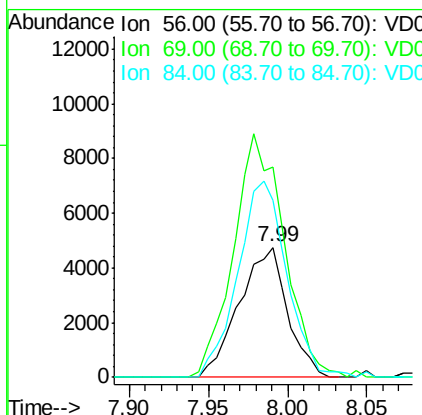
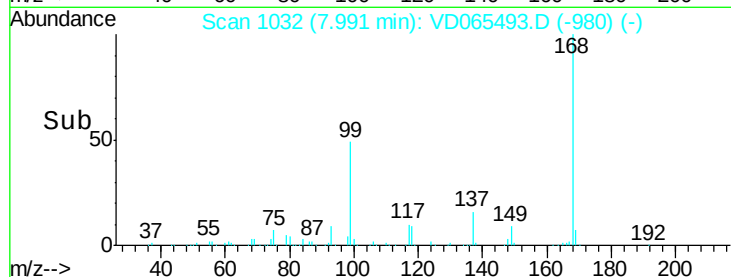
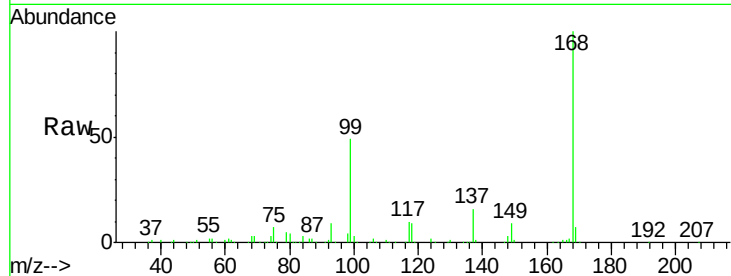




#31
Cyclohexane
Concen: 1.07 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065493.D
Acq: 12 Mar 2020 19:44

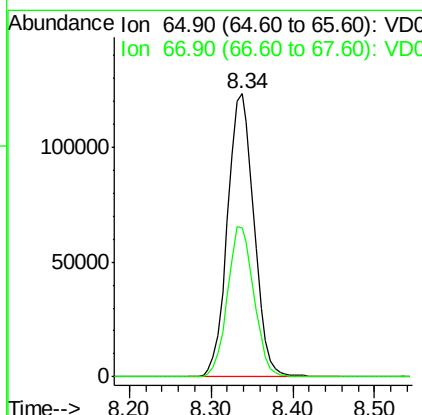
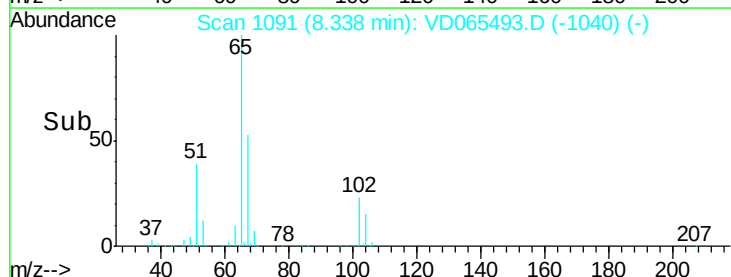
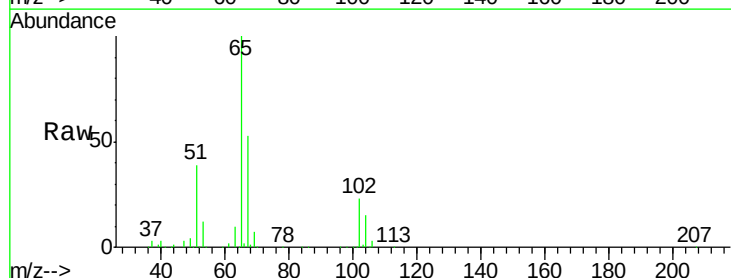
Instrument :
MSVOA_D
ClientSampleId :
Z1-5A

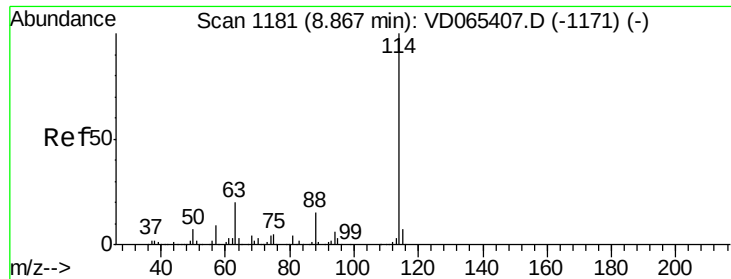
Tgt Ion: 56 Resp: 10073
Ion Ratio Lower Upper
56 100
69 162.7 28.3 42.5#
84 136.1 73.1 109.7#



#33
1,2-Dichloroethane-d4
Concen: 58.75 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065493.D
Acq: 12 Mar 2020 19:44

Tgt Ion: 65 Resp: 278569
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.0

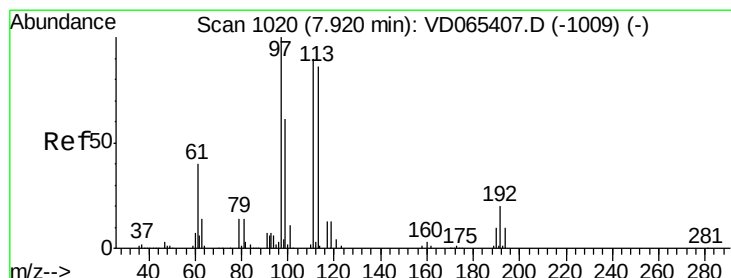
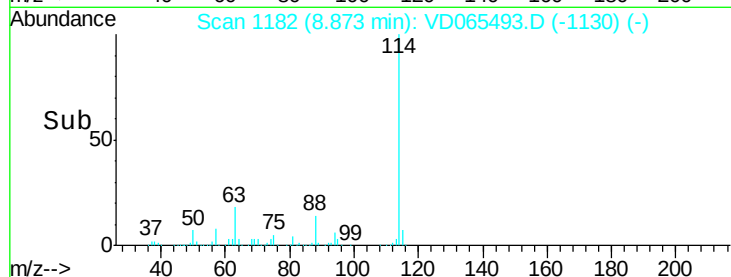
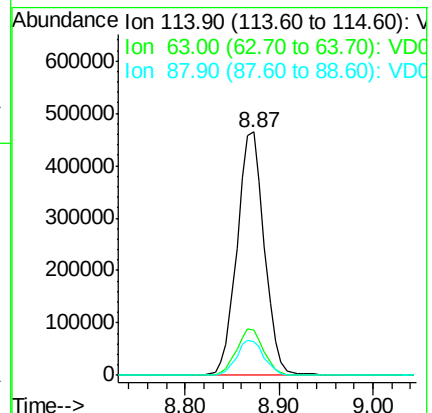
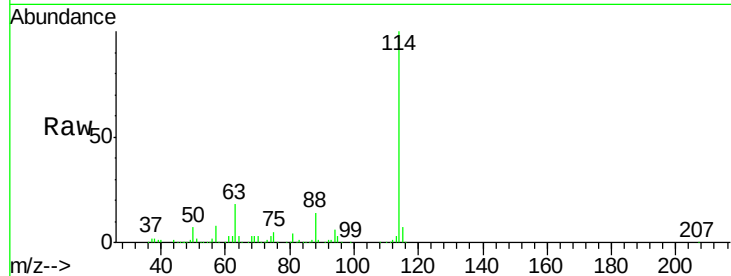




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065493.D
 Acq: 12 Mar 2020 19:44

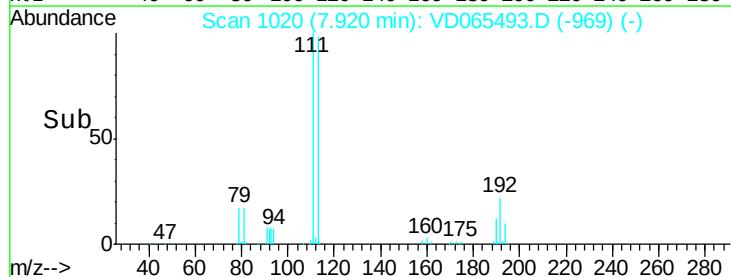
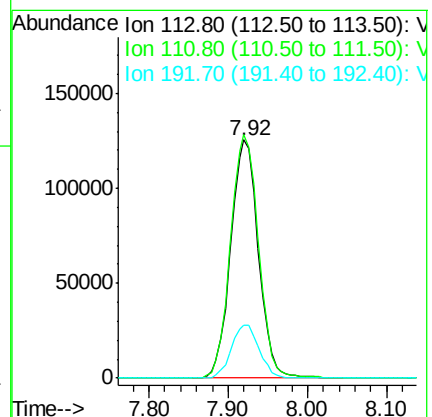
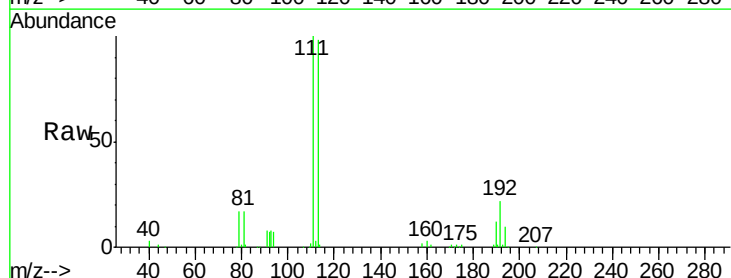
Instrument :
 MSVOA_D
 ClientSampleId :
 Z1-5A

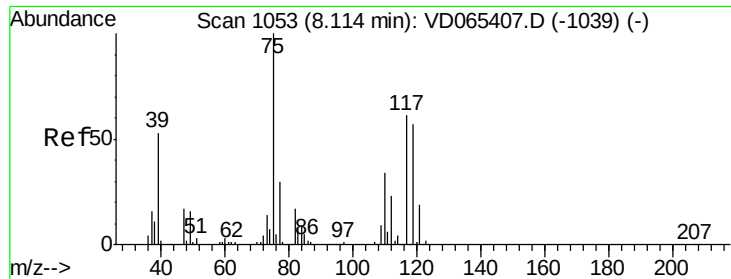
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	39.6
88	13.9	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 52.32 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065493.D
 Acq: 12 Mar 2020 19:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.1	123.1
192	22.5	17.2	25.8

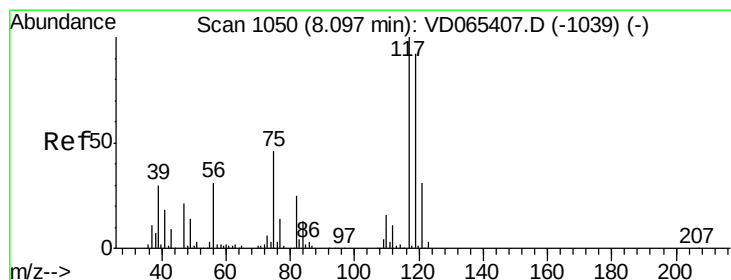
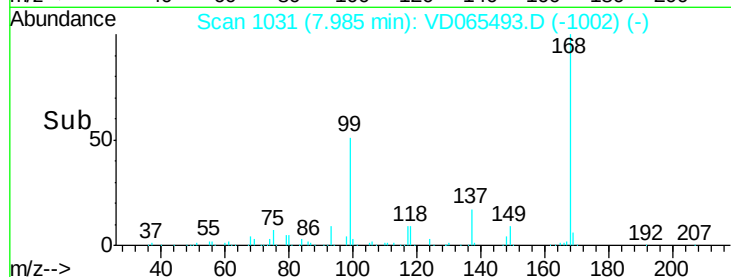
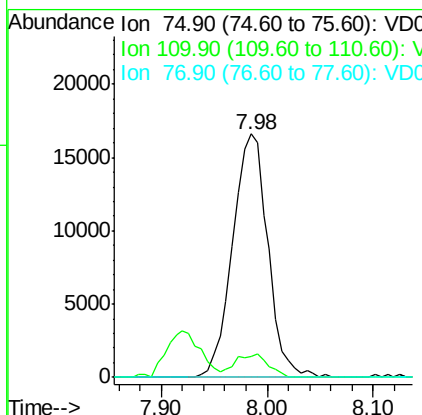
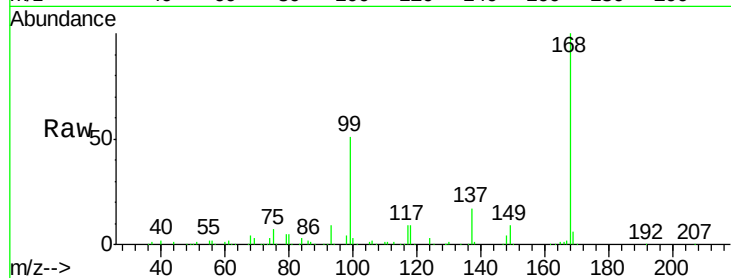




#36
 1,1-Dichloropropene
 Concen: 4.28 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065493.D
 Acq: 12 Mar 2020 19:44

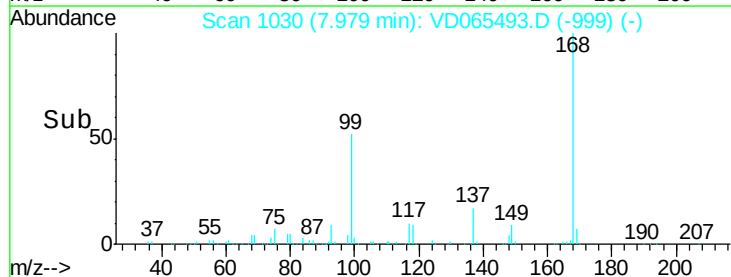
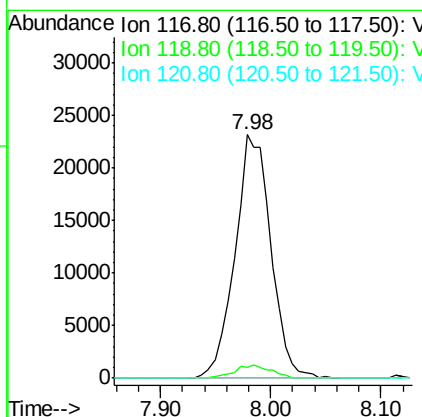
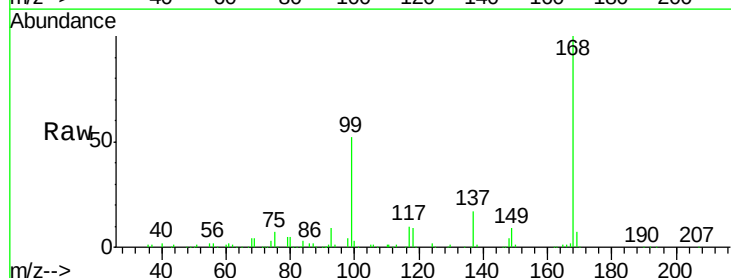
Instrument :
 MSVOA_D
 ClientSampled :
 Z1-5A

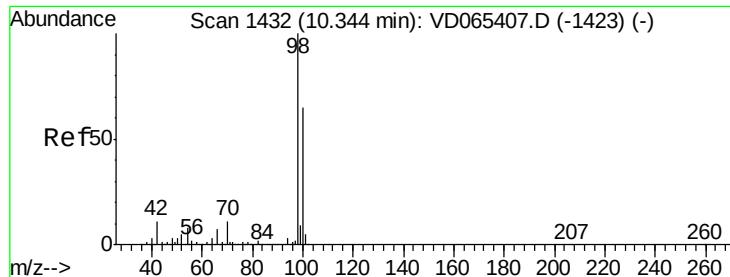
Tgt Ion: 75 Resp: 38378
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.1#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.67 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065493.D
 Acq: 12 Mar 2020 19:44

Tgt Ion: 117 Resp: 52641
 Ion Ratio Lower Upper
 117 100
 119 4.3 73.3 109.9#
 121 0.0 25.0 37.4#

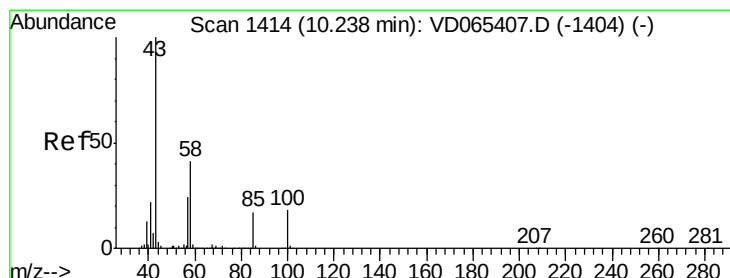
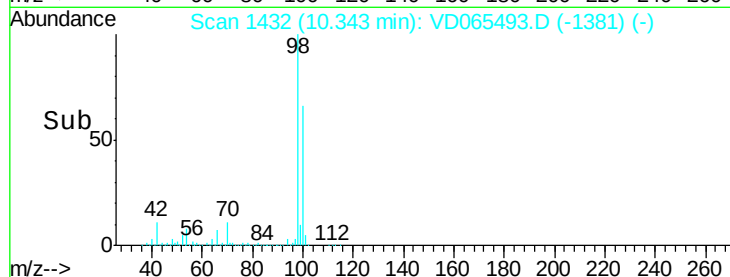
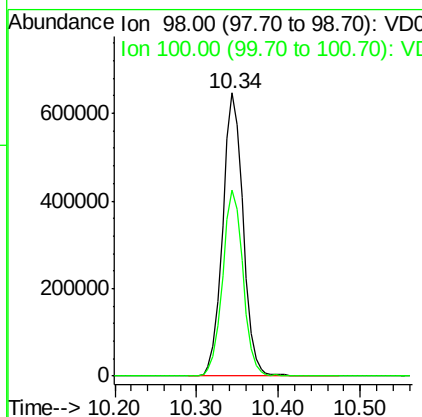
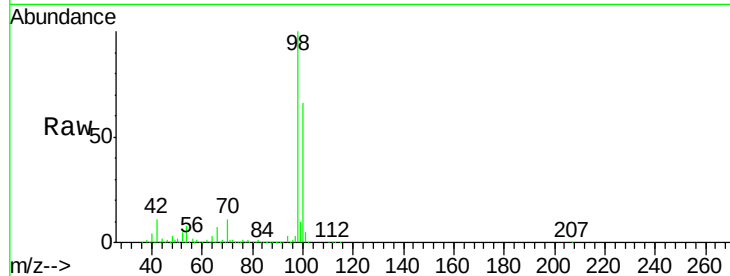




#50
Toluene-d8
Concen: 50.79 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065493.D
Acq: 12 Mar 2020 19:44

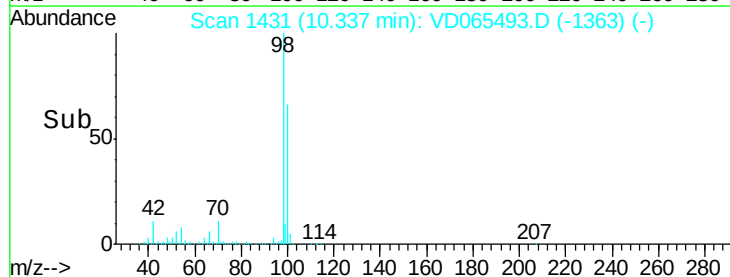
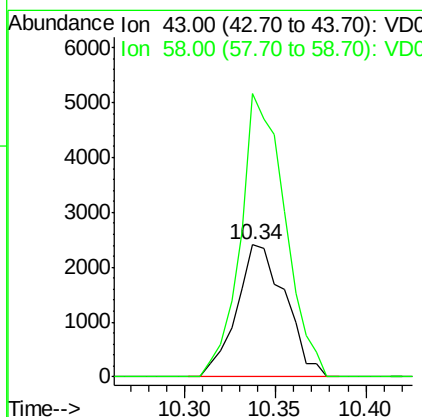
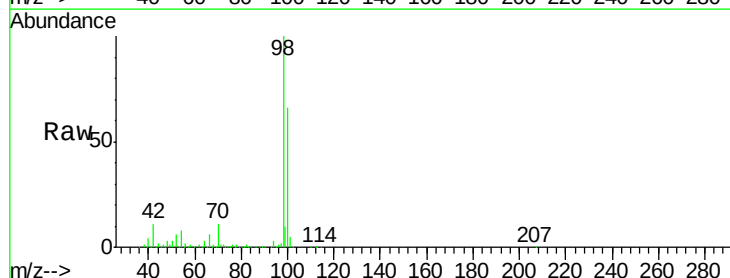
Instrument :
MSVOA_D
ClientSampleId :
Z1-5A

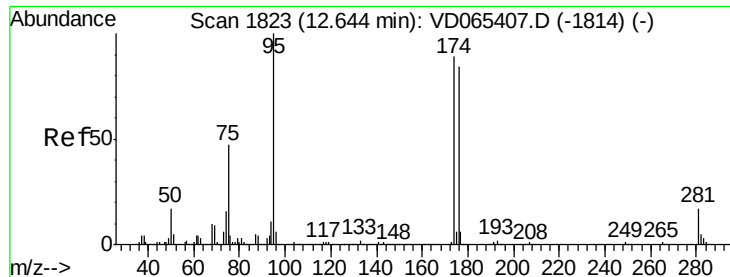
Tgt Ion: 98 Resp: 1126236
Ion Ratio Lower Upper
98 100
100 65.6 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.39 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.10 min
Lab File: VD065493.D
Acq: 12 Mar 2020 19:44

Tgt Ion: 43 Resp: 4487
Ion Ratio Lower Upper
43 100
58 196.5 31.8 47.6#

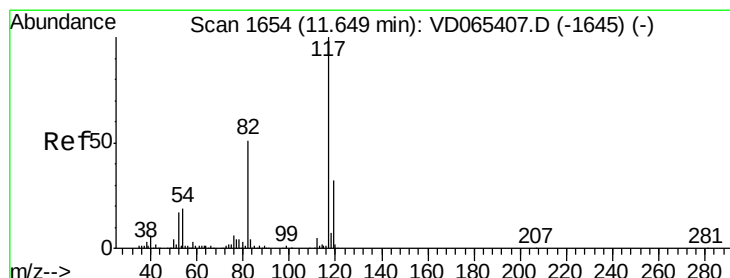
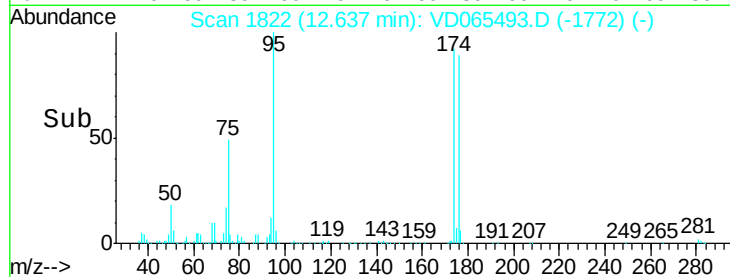
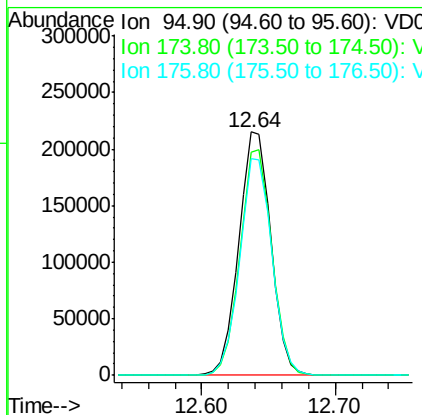
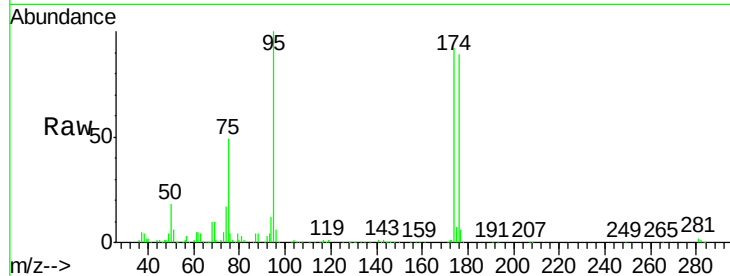




#62
4-Bromofluorobenzene
Concen: 52.18 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065493.D
Acq: 12 Mar 2020 19:44

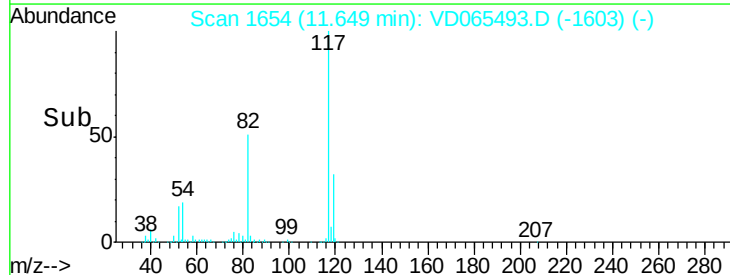
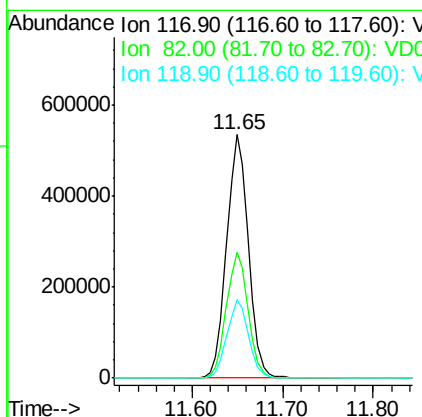
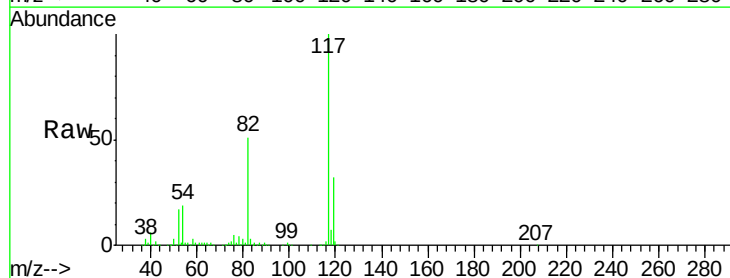
Instrument :
MSVOA_D
ClientSampleId :
Z1-5A

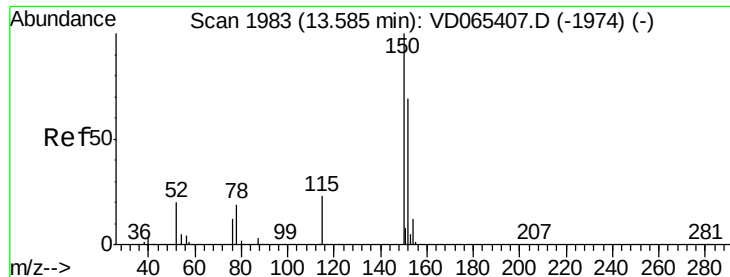
Tgt Ion: 95 Resp: 357209
Ion Ratio Lower Upper
95 100
174 91.7 0.0 176.8
176 89.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065493.D
Acq: 12 Mar 2020 19:44

Tgt Ion: 117 Resp: 892034
Ion Ratio Lower Upper
117 100
82 51.5 40.6 60.8
119 32.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065493.D

Acq: 12 Mar 2020 19:44

Instrument :

MSVOA_D

ClientSampleId :

Z1-5A

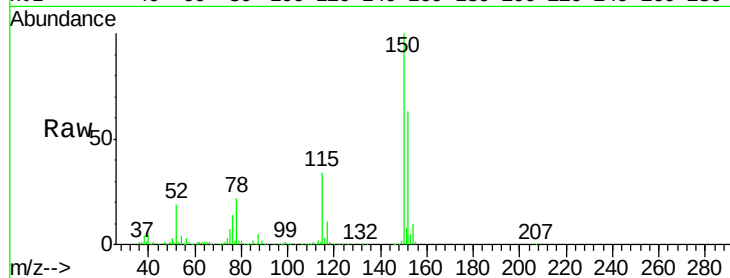
Tgt Ion:152 Resp: 414746

Ion Ratio Lower Upper

152 100

115 54.3 27.6 82.8

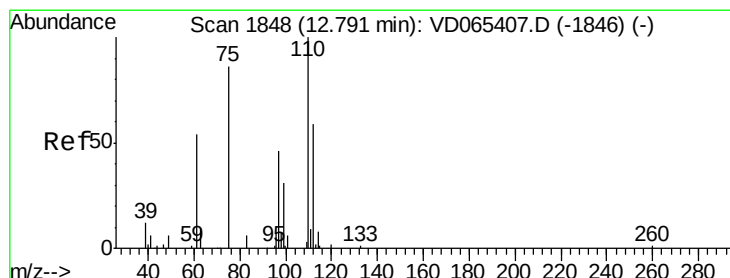
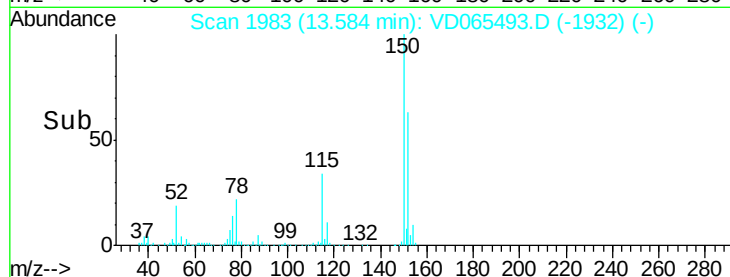
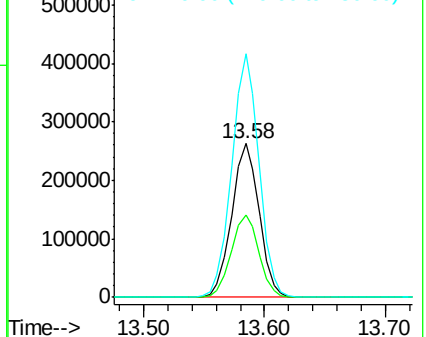
150 157.2 0.0 345.0



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: 52.85 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065493.D

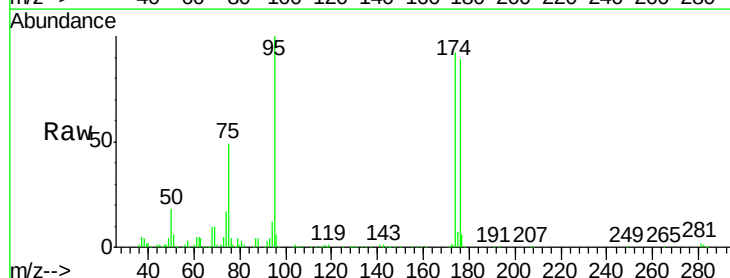
Acq: 12 Mar 2020 19:44

Tgt Ion: 75 Resp: 172953

Ion Ratio Lower Upper

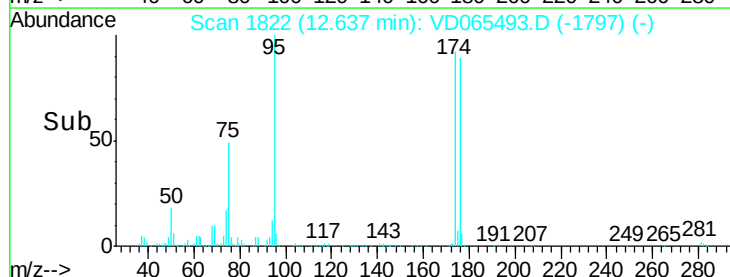
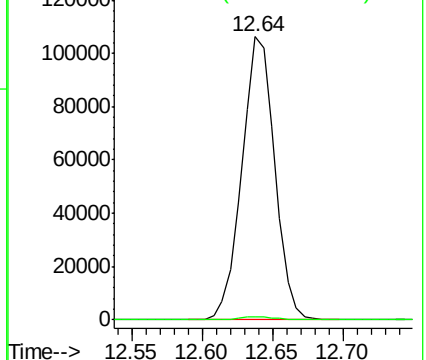
75 100

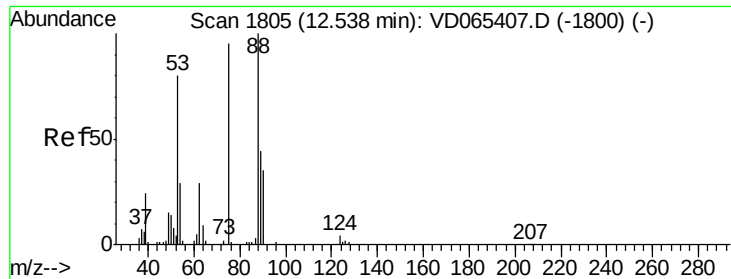
77 1.3 0.0 0.0#



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: 111.52 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065493.D

Acq: 12 Mar 2020 19:44

Instrument :

MSVOA_D

ClientSampled :

Z1-5A

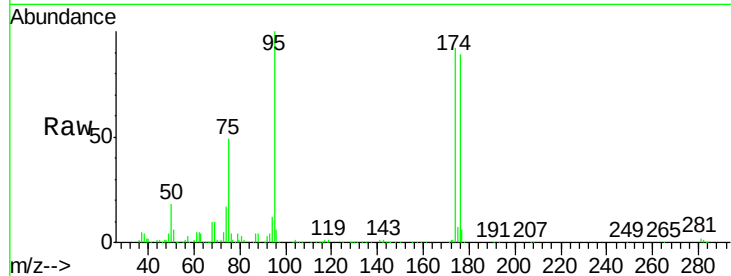
Tgt Ion: 75 Resp: 172953

Ion Ratio Lower Upper

75 100

53 0.2 71.3 106.9#

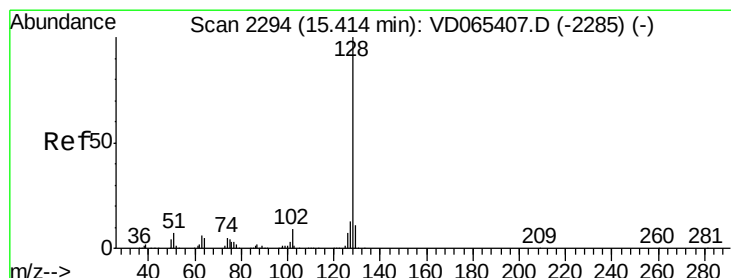
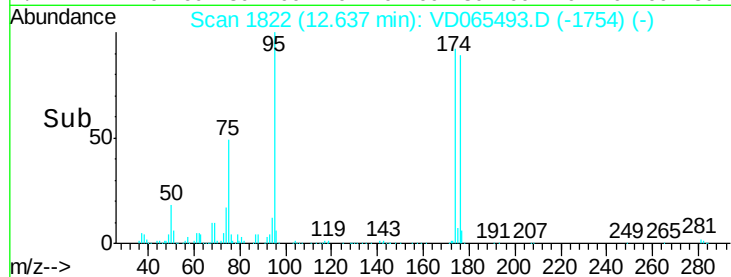
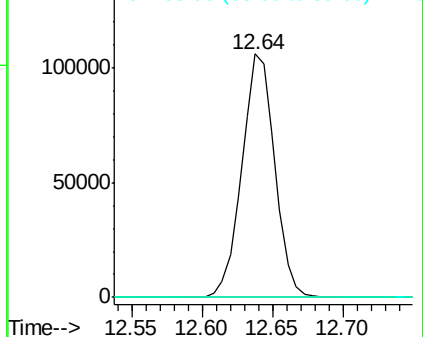
89 0.0 37.0 55.6#



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



#95

Naphthalene

Concen: 4.43 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065493.D

Acq: 12 Mar 2020 19:44

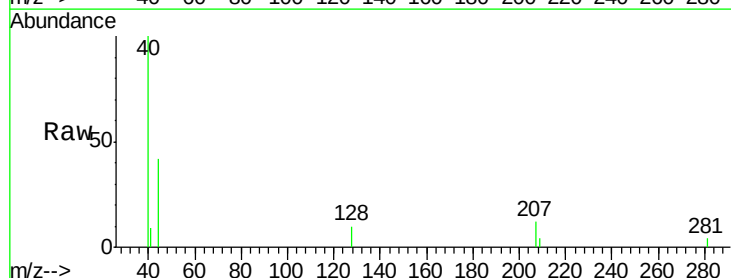
Tgt Ion: 128 Resp: 394

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

