

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060820\
 Data File : VD065783.D
 Acq On : 08 Jun 2020 16:25
 Operator : VA/SY
 Sample : L2946-05
 Misc : 6.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 06:24:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	195338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	370160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	319345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	130511	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	125853	65.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.40%	
35) Dibromofluoromethane	7.92	113	124059	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
50) Toluene-d8	10.34	98	460373	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.64	95	132749	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	

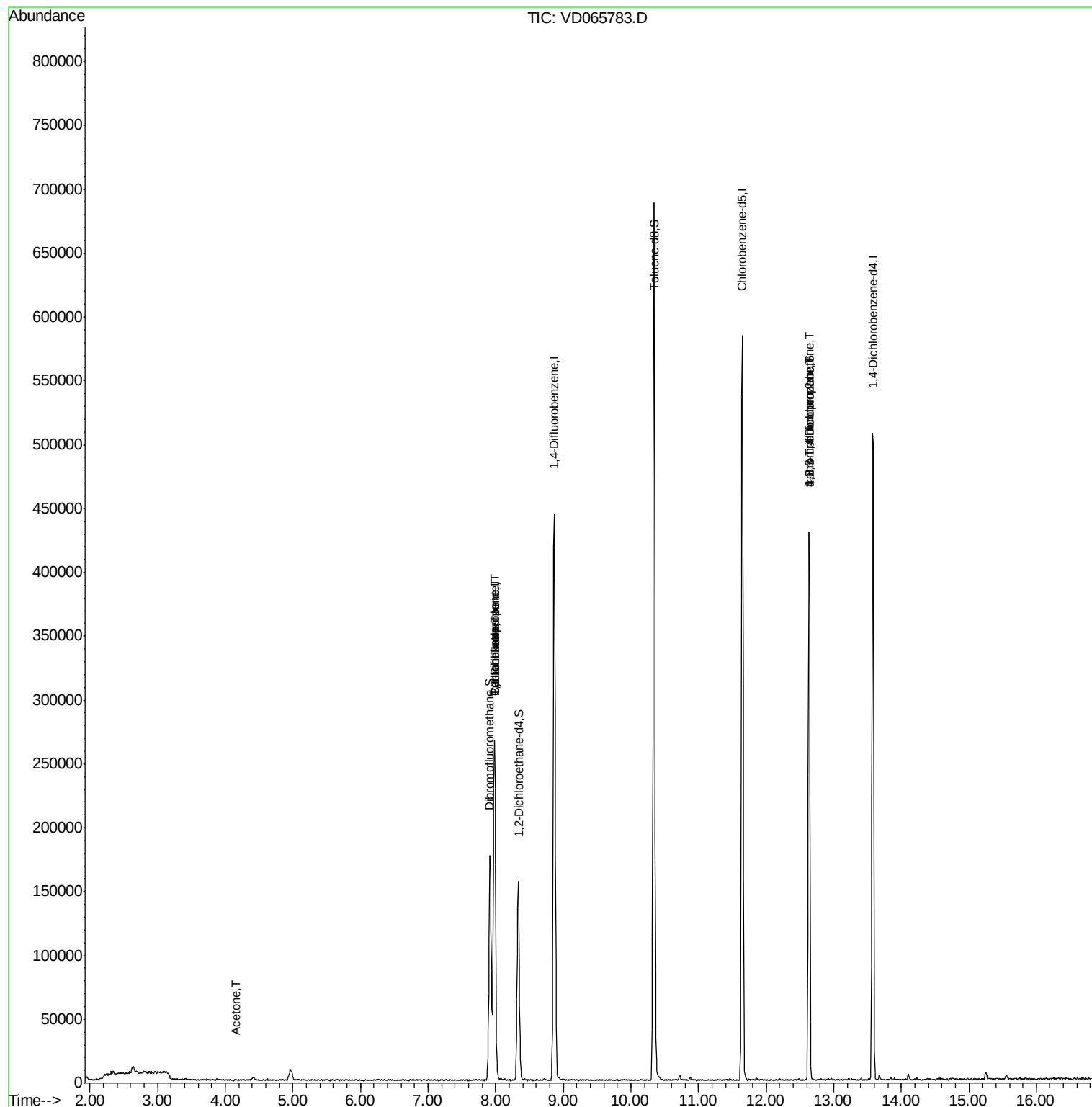
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	482	Below Cal	#	43
11) Tert butyl alcohol	5.21	59	68	Below Cal	#	74
16) Acetone	4.17	43	570	1.566	ug/l #	47
18) Methyl Acetate	4.73	43	56	Below Cal	#	52
20) Methylene Chloride	4.96	84	6008	Below Cal		89
31) Cyclohexane	7.98	56	5786	1.672	ug/l #	48
36) 1,1-Dichloropropene	7.98	75	15868	4.475	ug/l #	49
38) Carbon Tetrachloride	7.98	117	20781	5.569	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	73809	72.718	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	73809	157.116	ug/l #	9

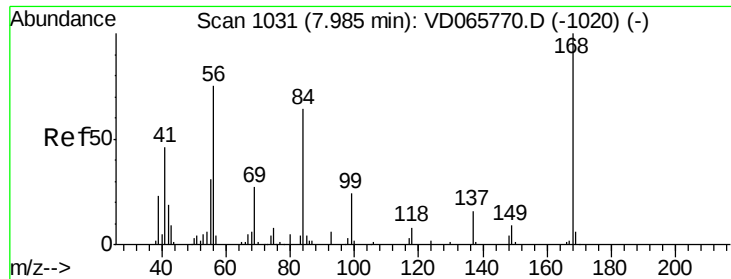
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065783.D

Acq: 08 Jun 2020 16:25

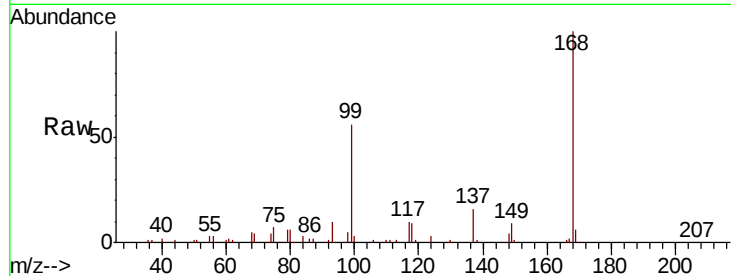
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 195338

Ion Ratio Lower Upper

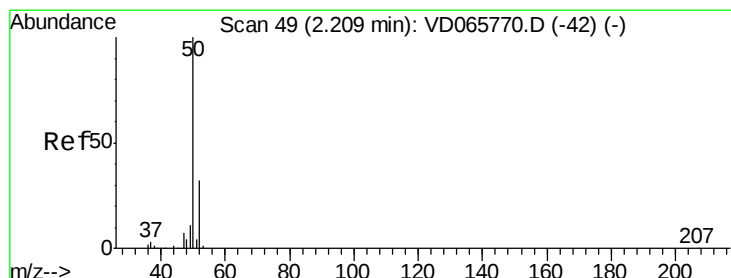
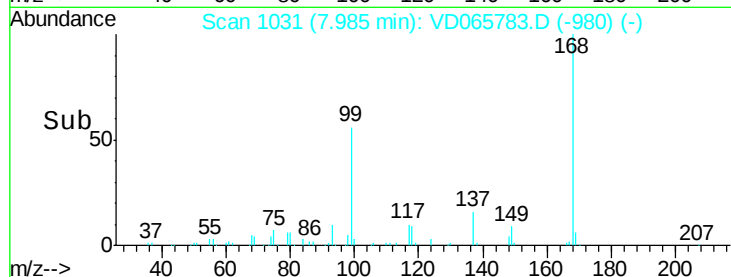
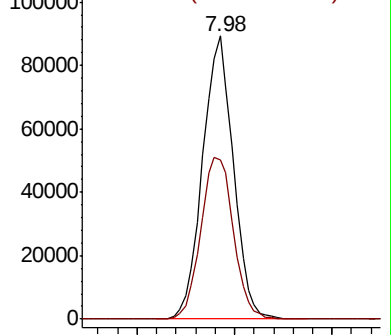
168 100

99 56.2 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065783.D

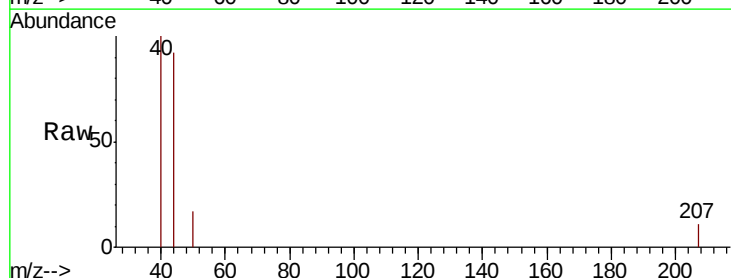
Acq: 08 Jun 2020 16:25

Tgt Ion: 50 Resp: 482

Ion Ratio Lower Upper

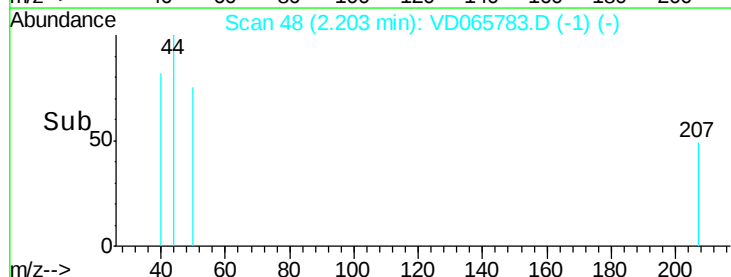
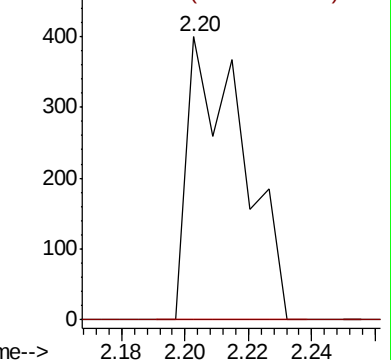
50 100

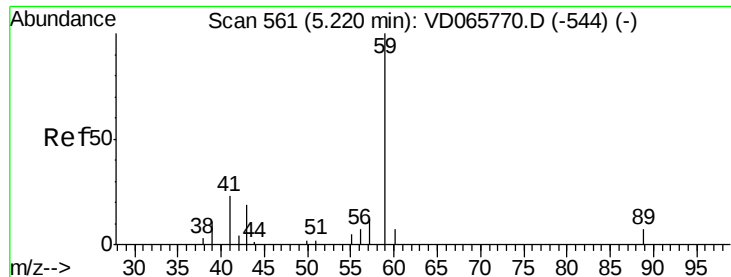
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

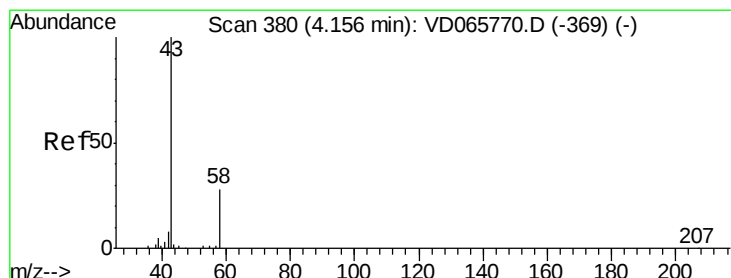
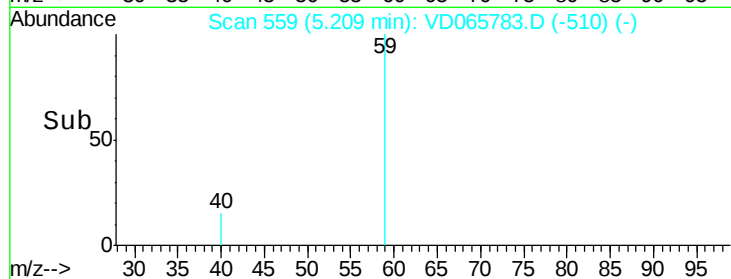
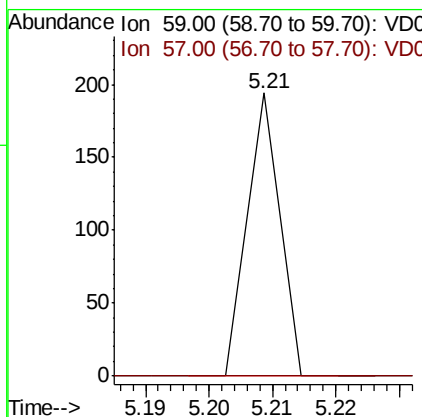
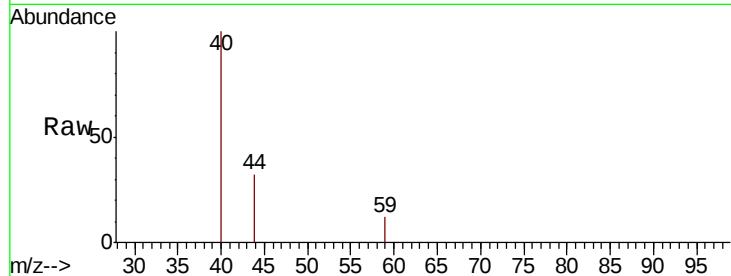




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD065783.D
Acq: 08 Jun 2020 16:25

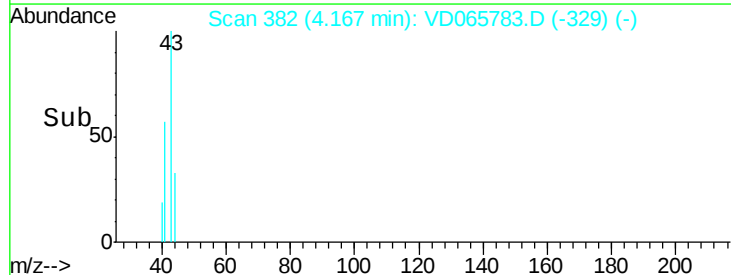
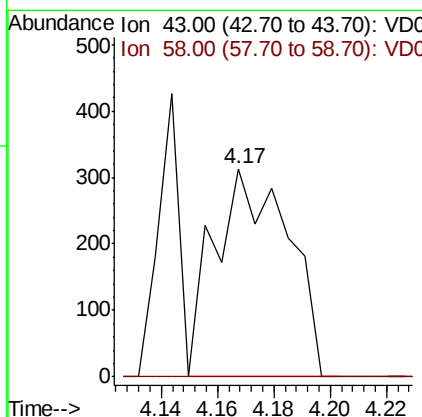
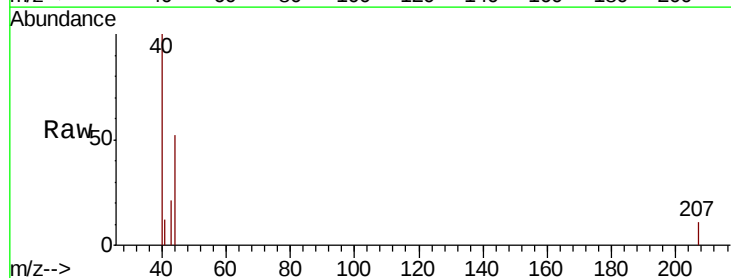
Instrument :
MSVOA_D
ClientSampleId :

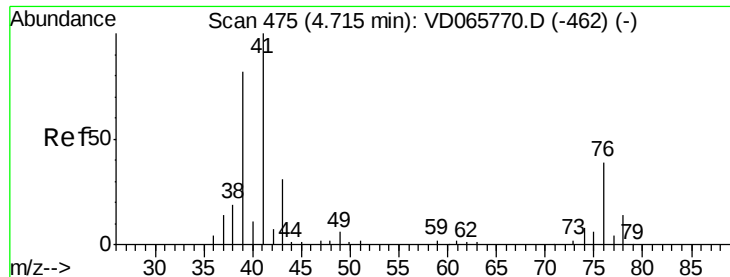
Tot Ion: 59 Resp: 68
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#



#16
Acetone
Concen: 1.566 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD065783.D
Acq: 08 Jun 2020 16:25

Tgt Ion: 43 Resp: 570
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#

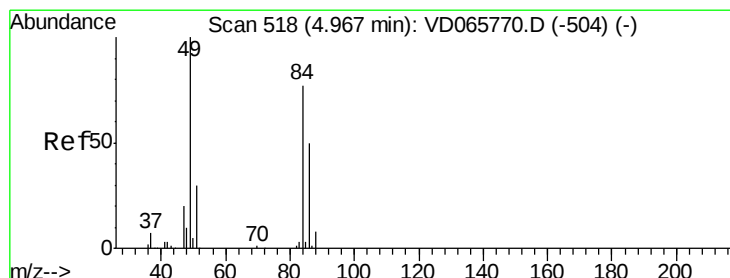
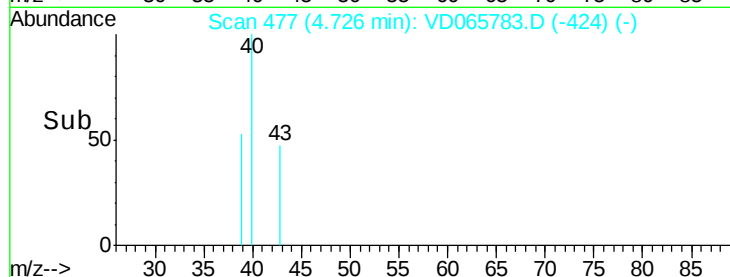
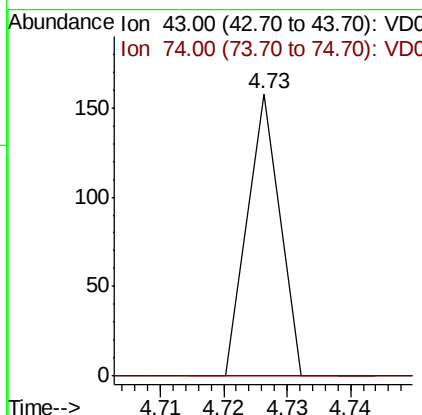
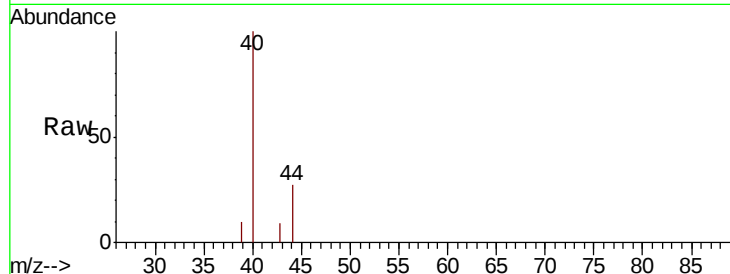




#18
Methyl Acetate
Concen: Below Cal
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065783.D
Acq: 08 Jun 2020 16:25

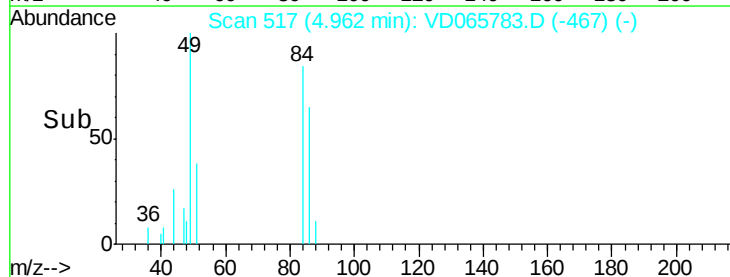
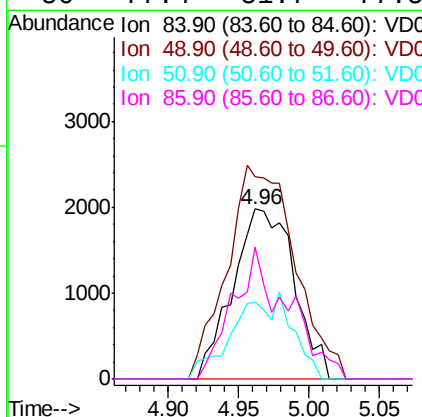
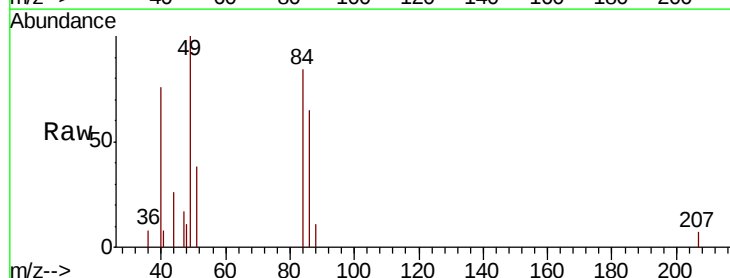
Instrument :
MSVOA_D
ClientSampleId :

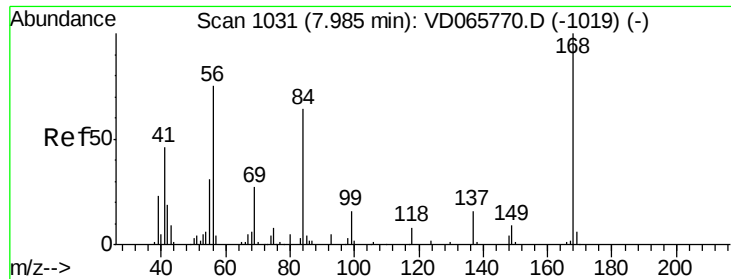
Tot Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065783.D
Acq: 08 Jun 2020 16:25

Tgt Ion: 84 Resp: 6008
Ion Ratio Lower Upper
84 100
49 118.9 103.4 155.0
51 45.0 31.4 47.2
86 77.4 51.7 77.5

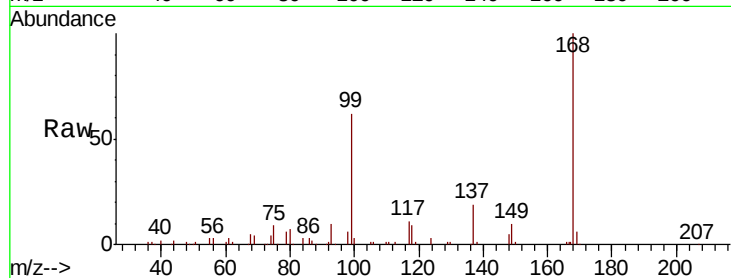




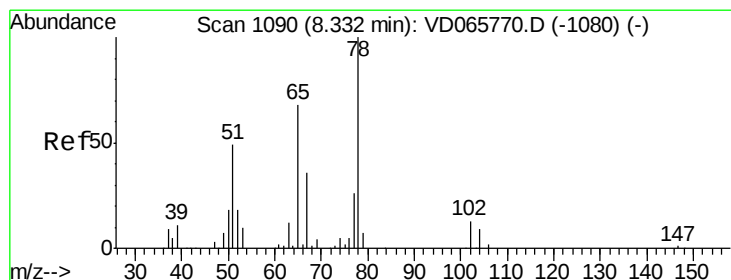
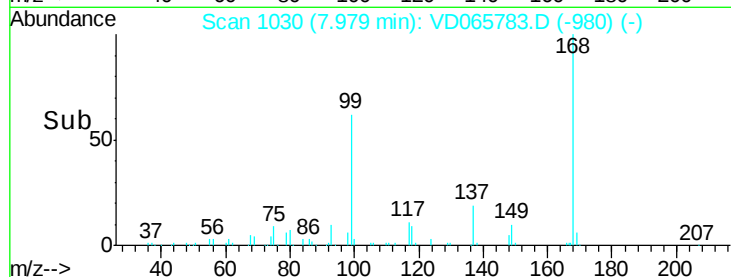
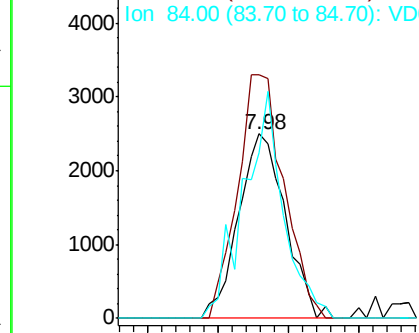
#31
Cyclohexane
Concen: 1.672 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065783.D
Acq: 08 Jun 2020 16:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 5786
Ion Ratio Lower Upper
56 100
69 132.1 28.5 42.7#
84 89.7 68.4 102.6

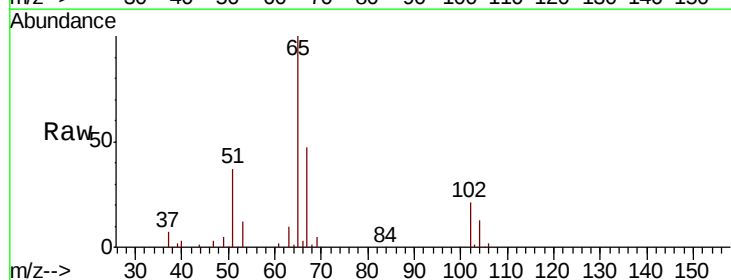


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

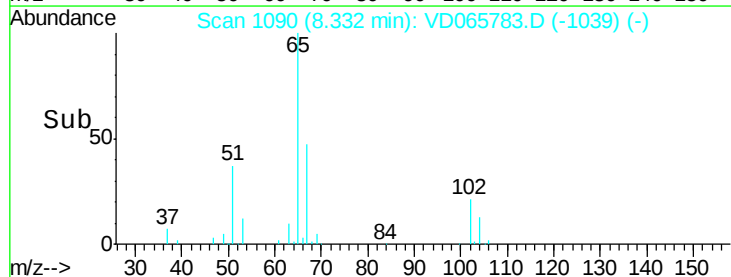
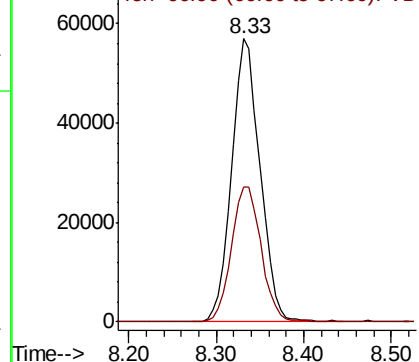


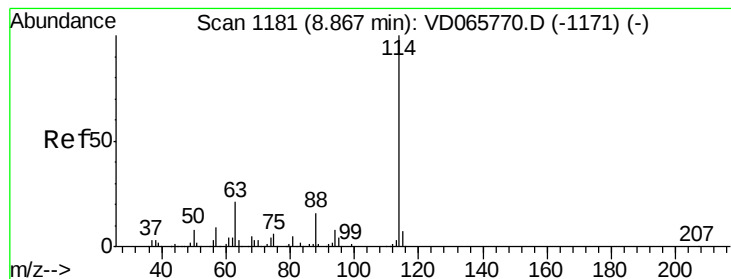
#33
1,2-Dichloroethane-d4
Concen: 65.202 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065783.D
Acq: 08 Jun 2020 16:25

Tgt Ion: 65 Resp: 125853
Ion Ratio Lower Upper
65 100
67 49.6 0.0 103.6



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: VD065783.D

Acq: 08 Jun 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

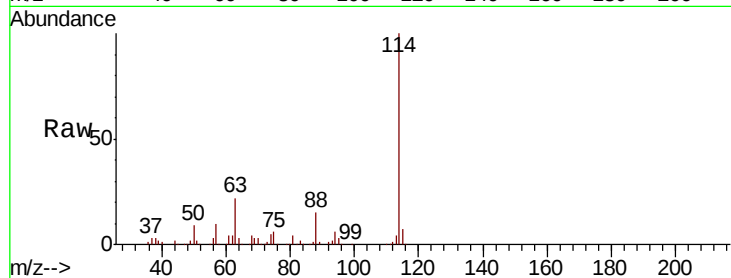
Tot Ion:114 Resp: 370160

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

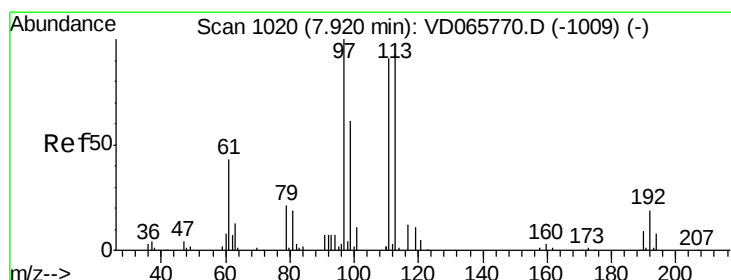
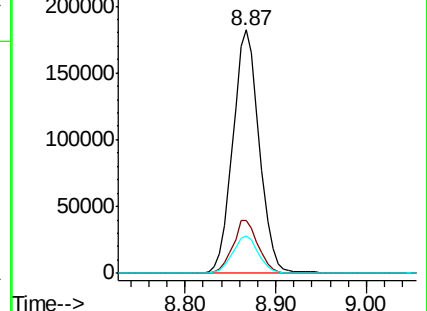
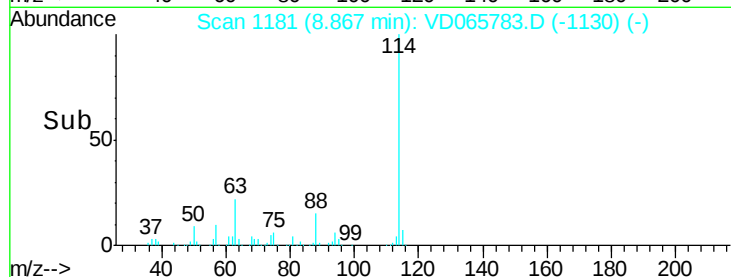
88 15.5 0.0 32.0



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: 53.059 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065783.D

Acq: 08 Jun 2020 16:25

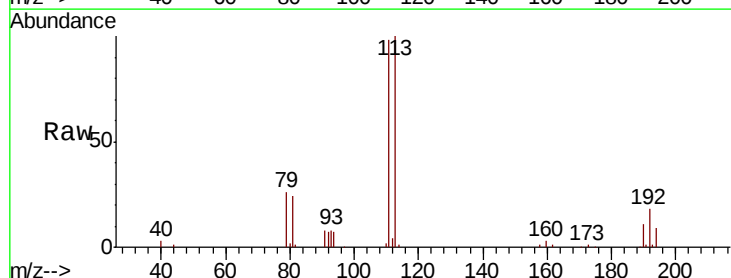
Tgt Ion:113 Resp: 124059

Ion Ratio Lower Upper

113 100

111 101.6 83.4 125.0

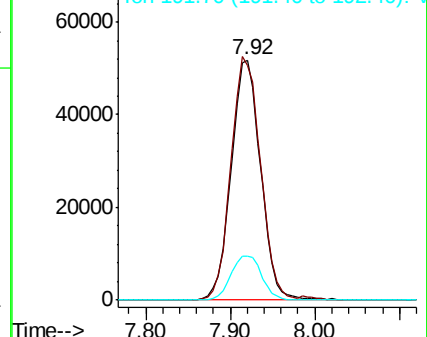
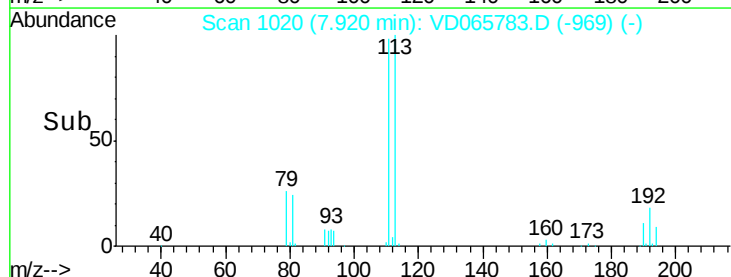
192 19.1 15.7 23.5

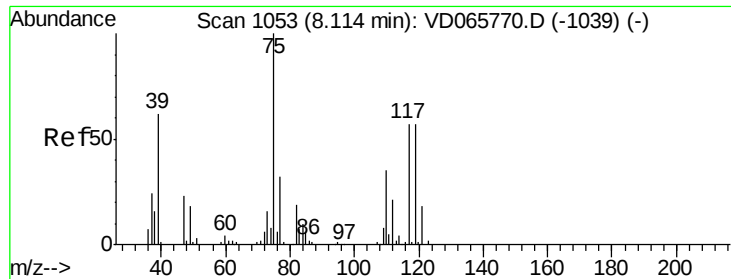


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

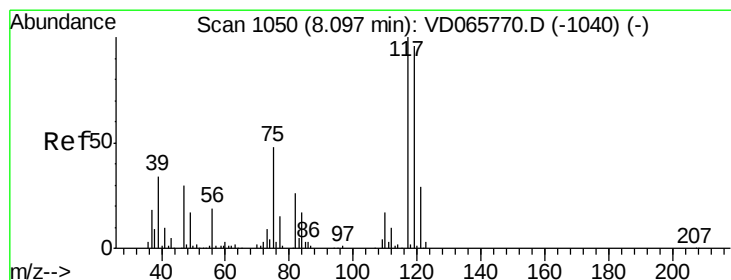
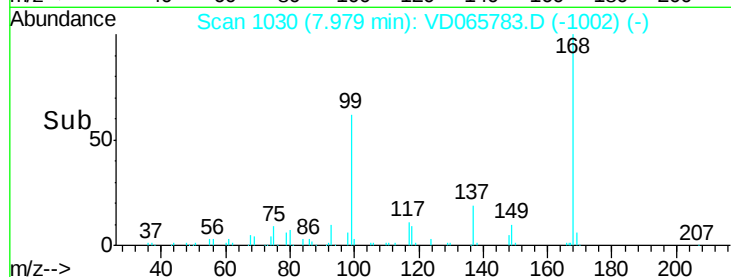
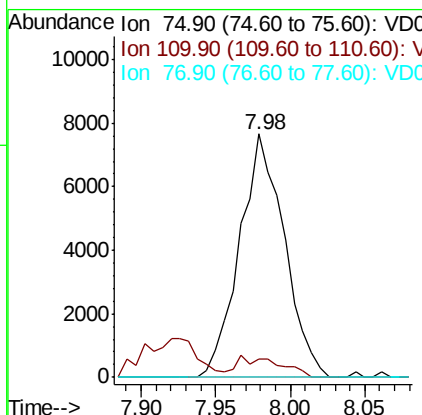
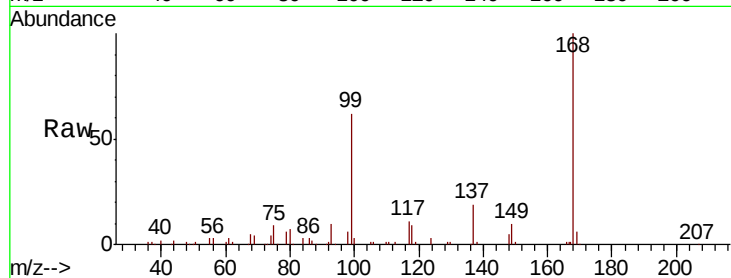




#36
 1,1-Dichloropropene
 Concen: 4.475 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065783.D
 Acq: 08 Jun 2020 16:25

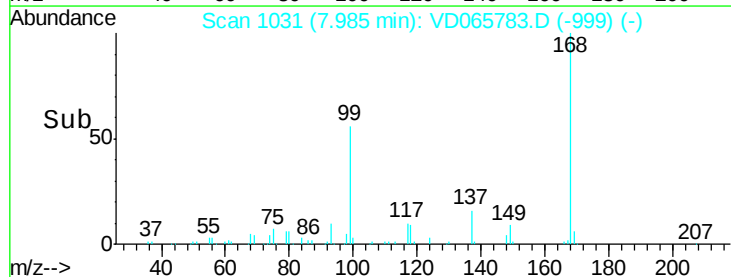
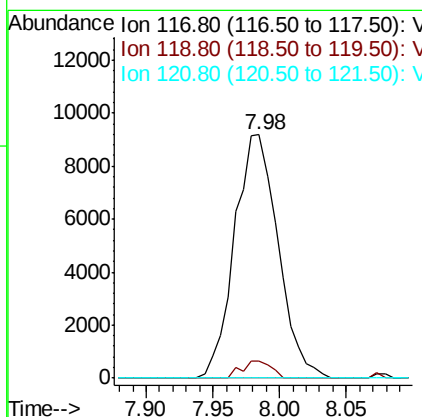
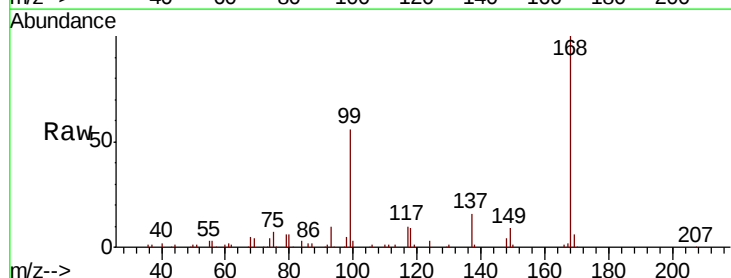
Instrument :
 MSVOA_D
 ClientSampleId :

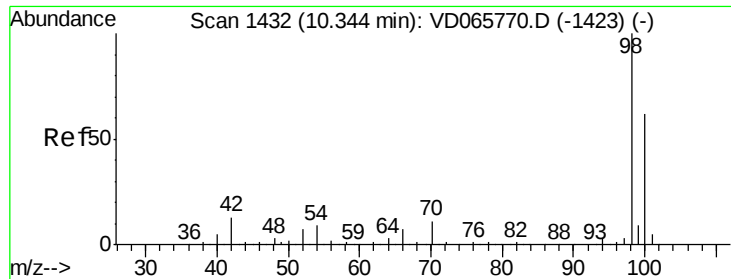
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.6	52.8#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.569 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065783.D
 Acq: 08 Jun 2020 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	76.8	115.2#
121	0.0	23.4	35.2#





#50

Toluene-d8

Concen: 52.803 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065783.D

Acq: 08 Jun 2020 16:25

Instrument :

MSVOA_D

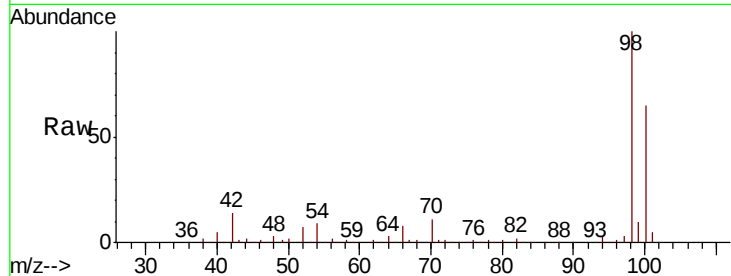
ClientSampled :

Tot Ion: 98 Resp: 460373

Ion Ratio Lower Upper

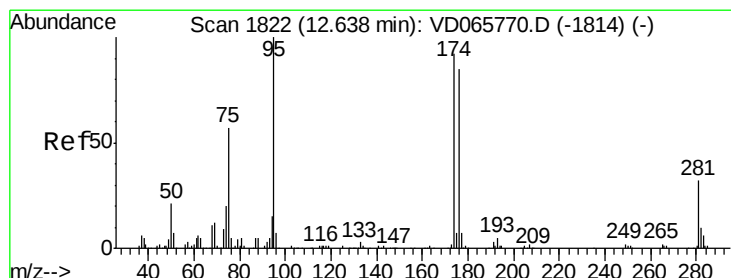
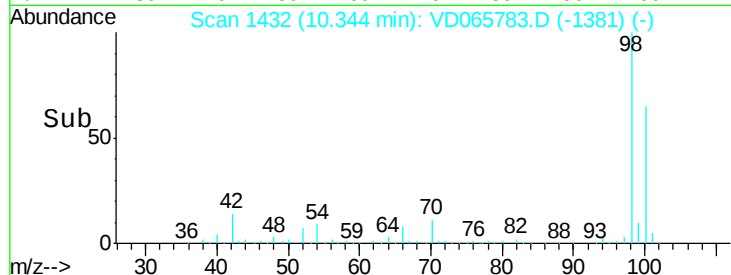
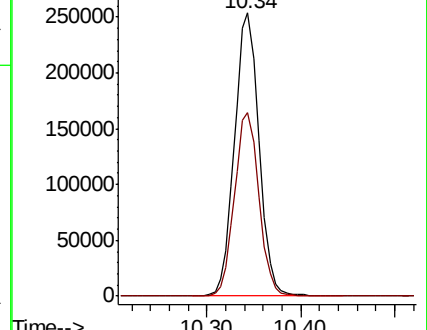
98 100

100 64.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VD



#62

4-Bromofluorobenzene

Concen: 44.896 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065783.D

Acq: 08 Jun 2020 16:25

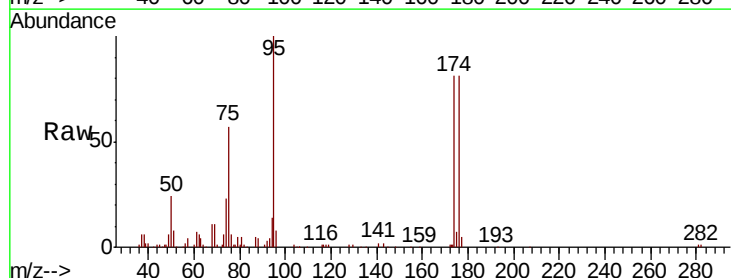
Tgt Ion: 95 Resp: 132749

Ion Ratio Lower Upper

95 100

174 80.9 0.0 175.2

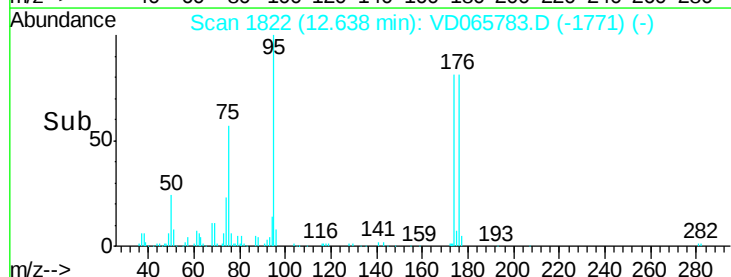
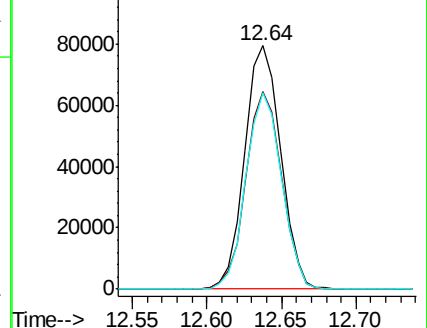
176 79.8 0.0 163.0

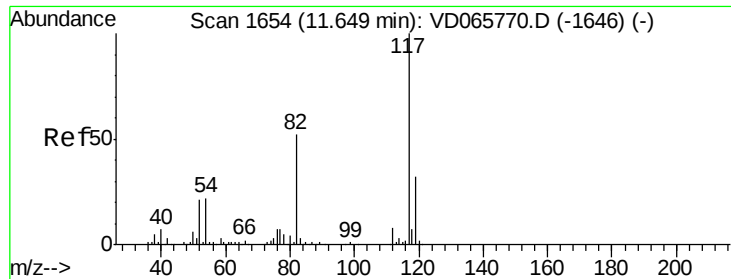


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

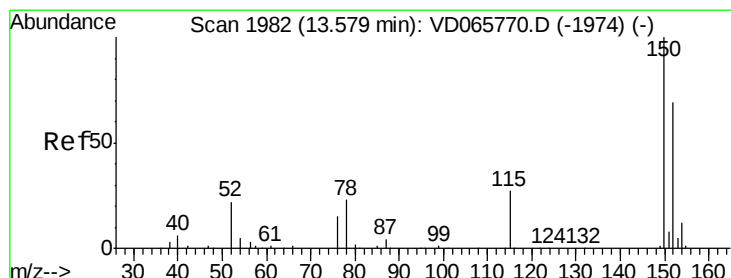
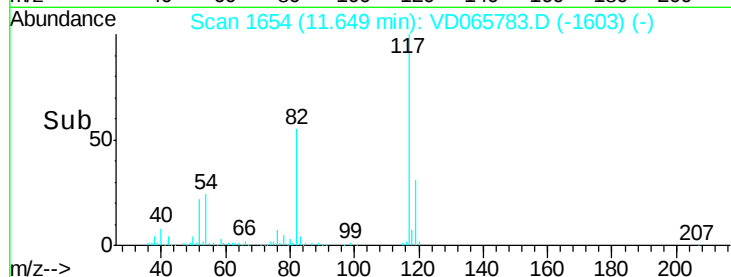
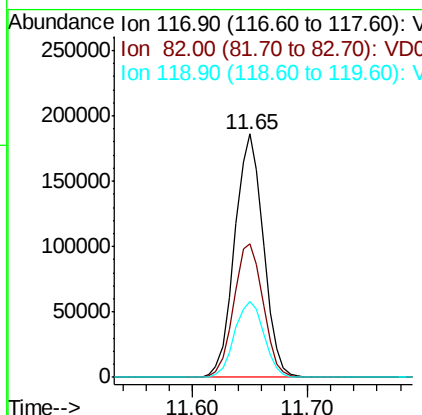
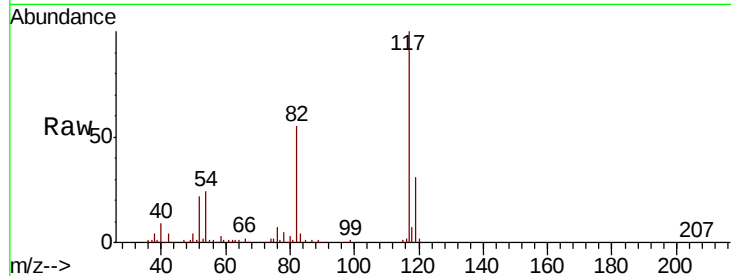




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065783.D
Acq: 08 Jun 2020 16:25

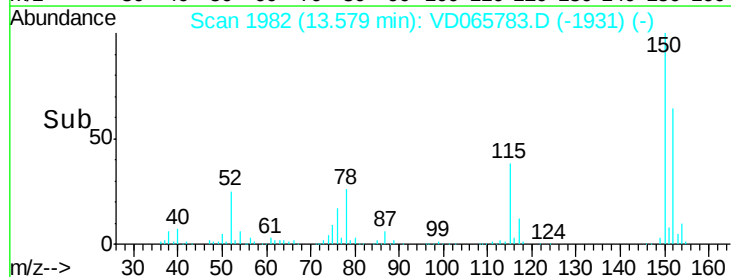
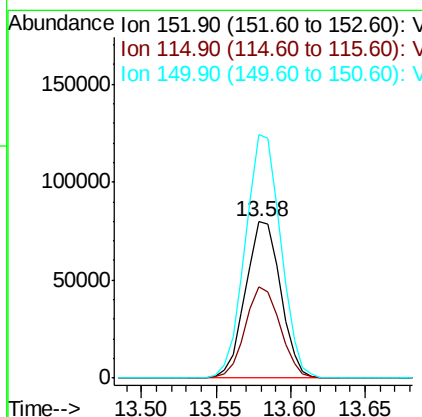
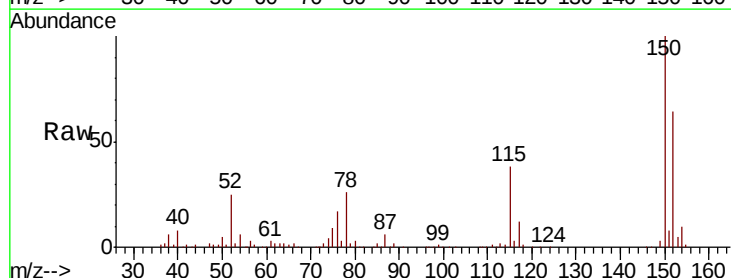
Instrument :
MSVOA_D
ClientSampleId :

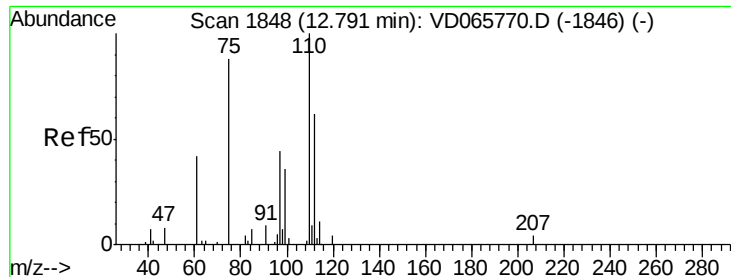
Tot Ion:117 Resp: 319345
Ion Ratio Lower Upper
117 100
82 54.8 41.9 62.9
119 31.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065783.D
Acq: 08 Jun 2020 16:25

Tgt Ion:152 Resp: 130511
Ion Ratio Lower Upper
152 100
115 58.2 28.7 86.1
150 156.6 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 72.718 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065783.D

Acq: 08 Jun 2020 16:25

Instrument :

MSVOA_D

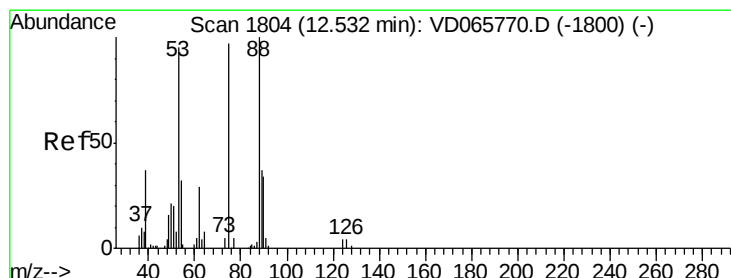
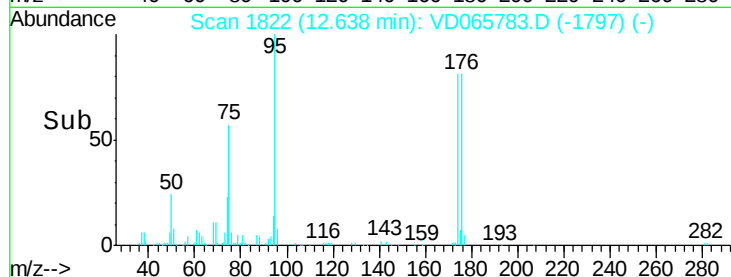
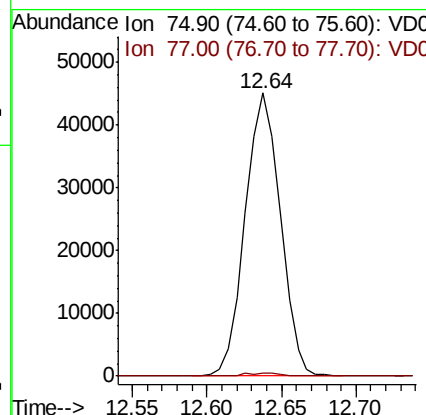
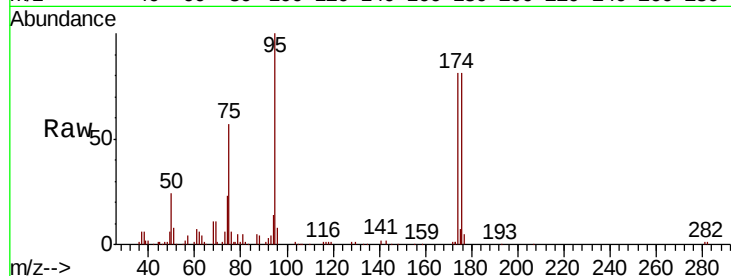
ClientSampled :

Tot Ion: 75 Resp: 73809

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 157.116 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065783.D

Acq: 08 Jun 2020 16:25

Tgt Ion: 75 Resp: 73809

Ion Ratio Lower Upper

75 100

53 0.1 82.6 123.8#

89 0.0 35.9 53.9#

