

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065453.D
 Acq On : 09 Mar 2020 16:49
 Operator : VA/SY
 Sample : L1844-03RE
 Misc : 7.35G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 12:23:55 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	553979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	957136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	882110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	359008	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	287937	60.59	ug/l	0.00
Spiked Amount			Recovery	=	121.18%	
35) Dibromofluoromethane	7.91	113	311347	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
50) Toluene-d8	10.34	98	1174849	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.64	95	343627	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	

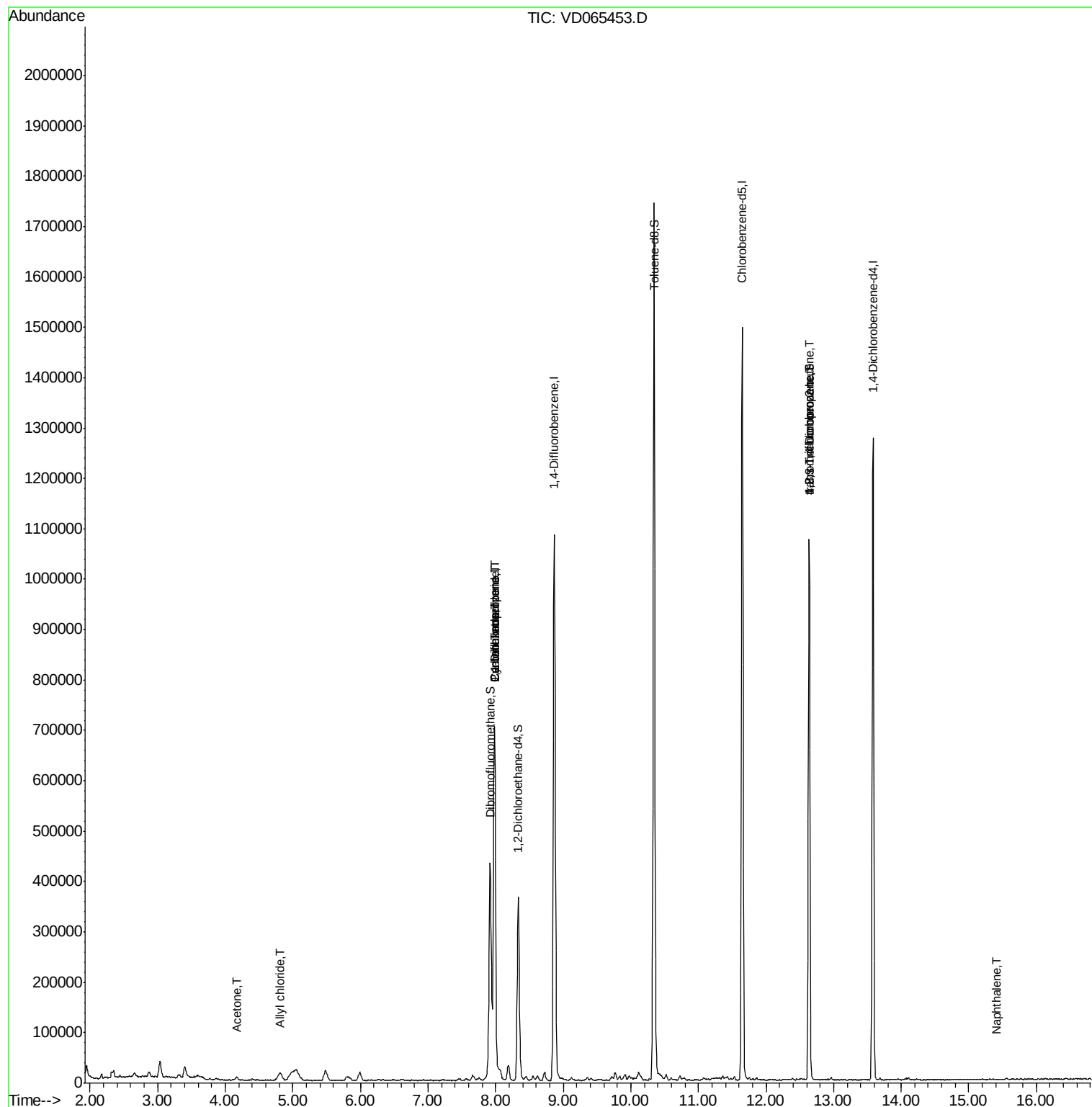
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	557	Below Cal		91
14) Allyl chloride	4.81	41	11133	1.407	ug/l #	69
16) Acetone	4.17	43	11529	11.996	ug/l #	88
20) Methylene Chloride	4.96	84	8106	Below Cal		98
31) Cyclohexane	7.98	56	12232	1.296	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	37831	4.123	ug/l #	49
38) Carbon Tetrachloride	7.98	117	50598	5.318	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	165341	58.365	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	165341	123.168	ug/l #	14
95) Naphthalene	15.42	128	344	4.434	ug/l #	69

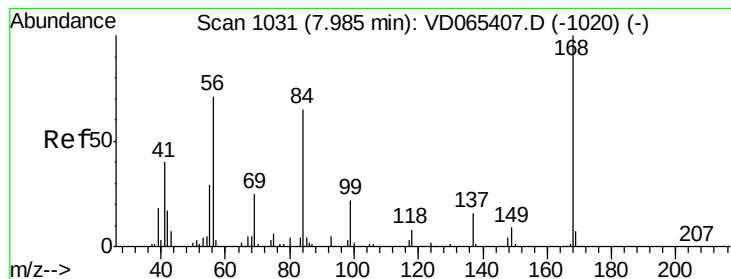
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 05 01:22:07 2020
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: VD065453.D

Acq: 09 Mar 2020 16:49

Instrument :

MSVOA_D

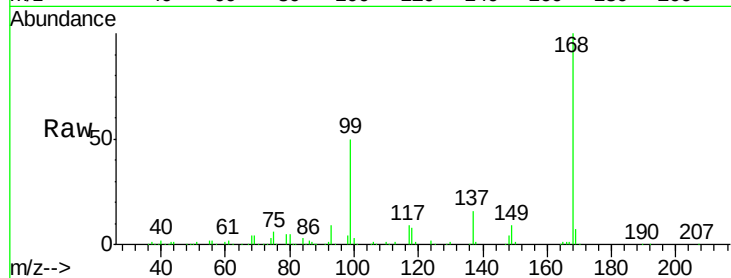
ClientSampleId :

Tot Ion:168 Resp: 553979

Ion Ratio Lower Upper

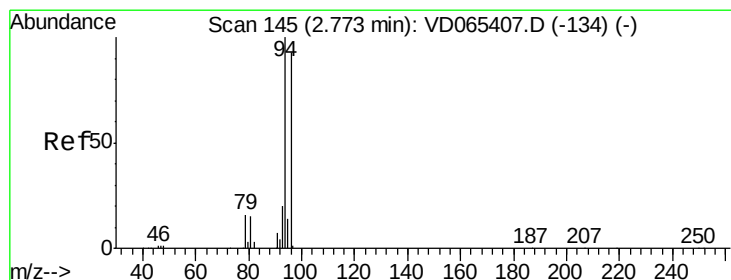
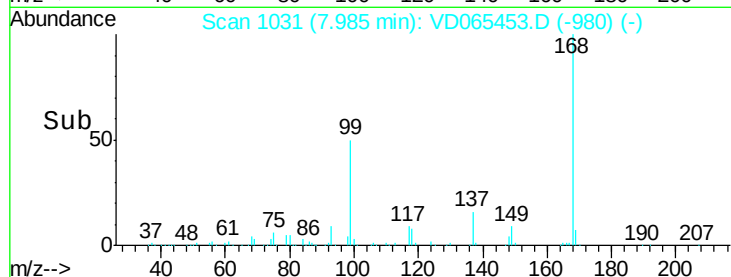
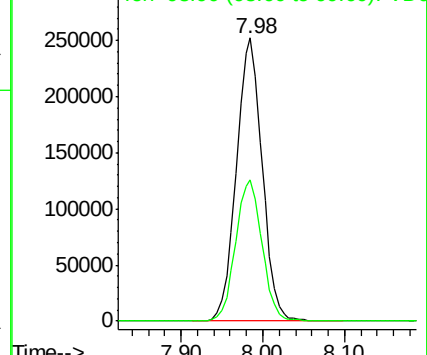
168 100

99 49.9 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: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065453.D

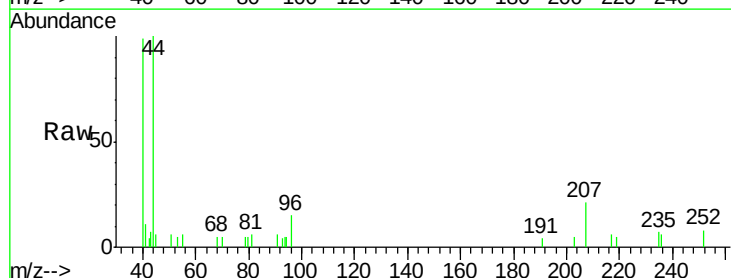
Acq: 09 Mar 2020 16:49

Tgt Ion: 94 Resp: 557

Ion Ratio Lower Upper

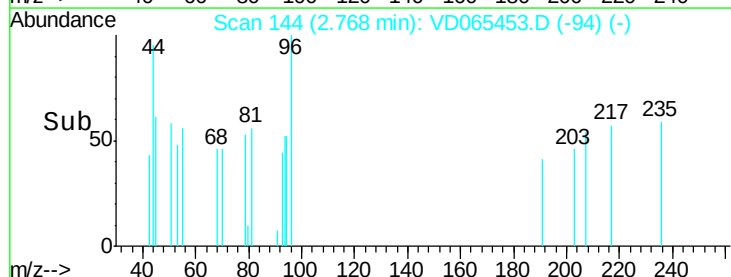
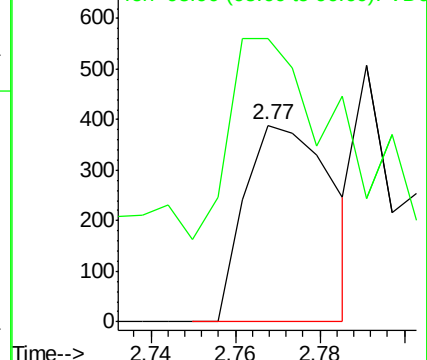
94 100

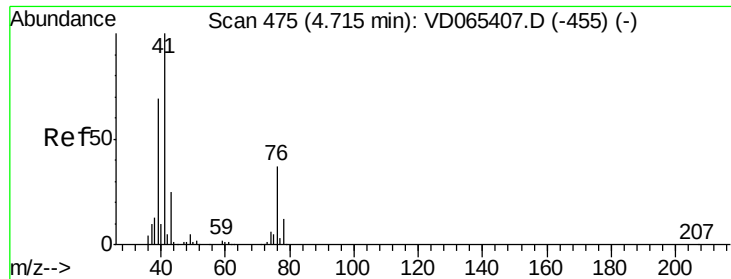
96 101.8 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

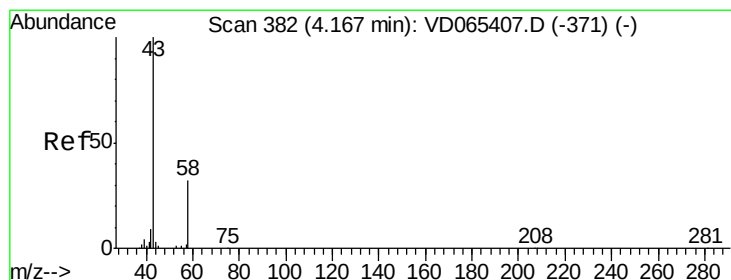
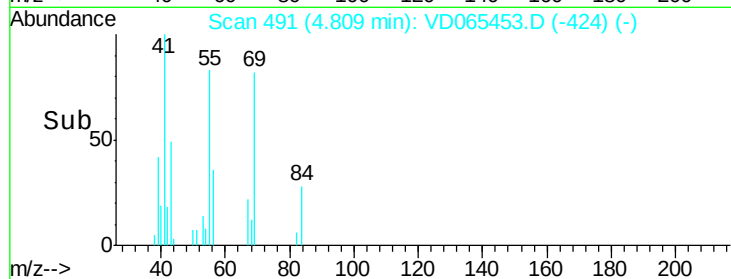
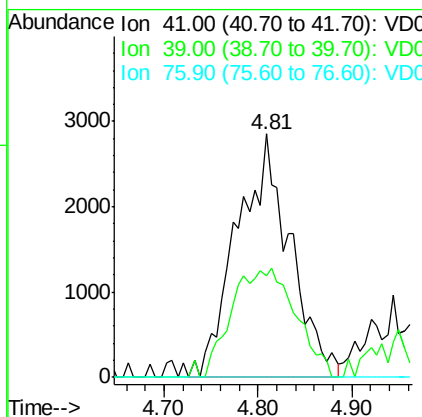
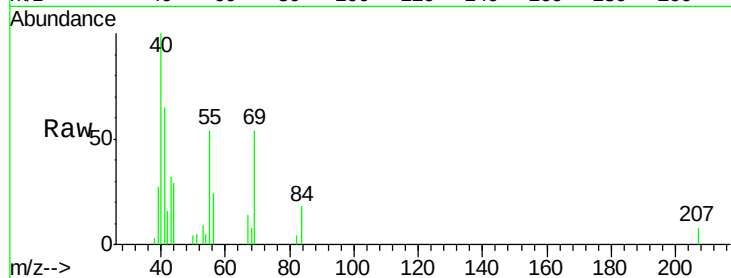




#14
Allvl chloride
Concen: 1.407 ug/l
RT: 4.81 min Scan# 491
Delta R.T. 0.09 min
Lab File: VD065453.D
Acq: 09 Mar 2020 16:49

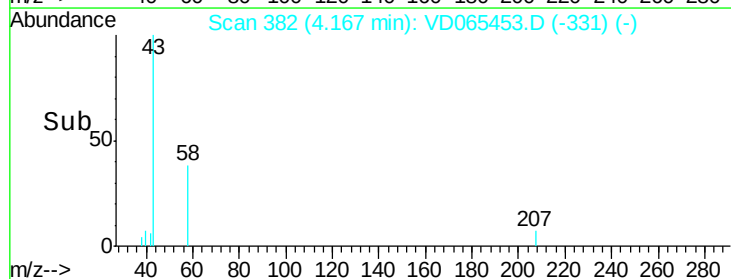
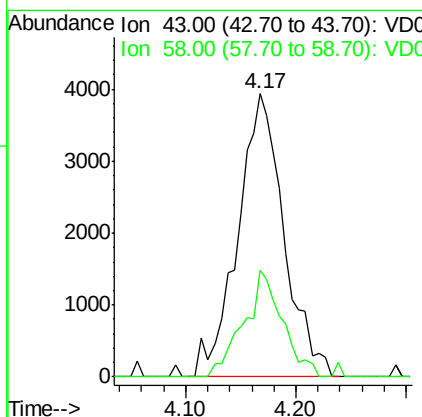
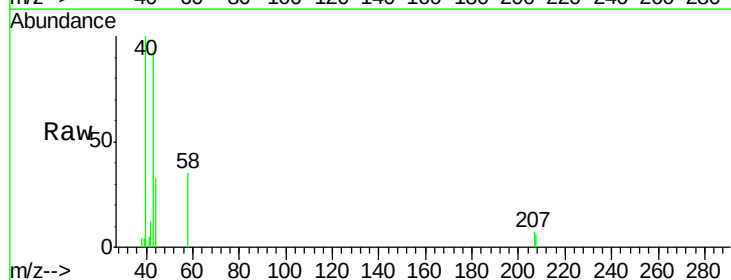
Instrument :
MSVOA_D
ClientSampleId :

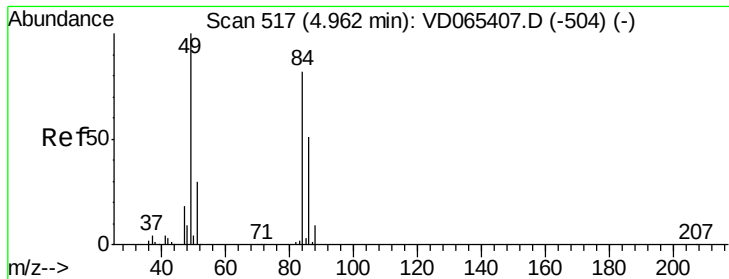
Tot Ion: 41 Resp: 11133
Ion Ratio Lower Upper
41 100
39 54.2 52.6 79.0
76 0.0 29.2 43.8#



#16
Acetone
Concen: 11.996 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD065453.D
Acq: 09 Mar 2020 16:49

Tgt Ion: 43 Resp: 11529
Ion Ratio Lower Upper
43 100
58 37.9 25.1 37.7#

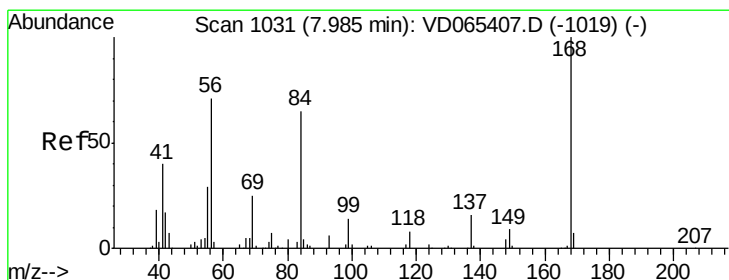
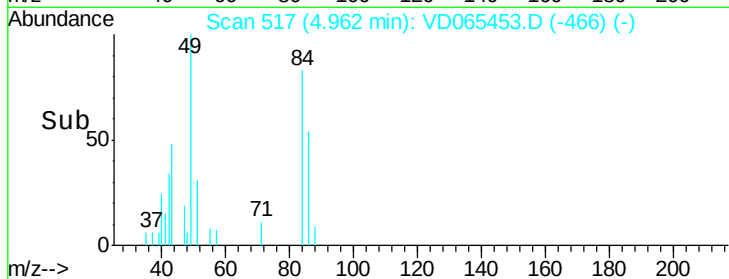
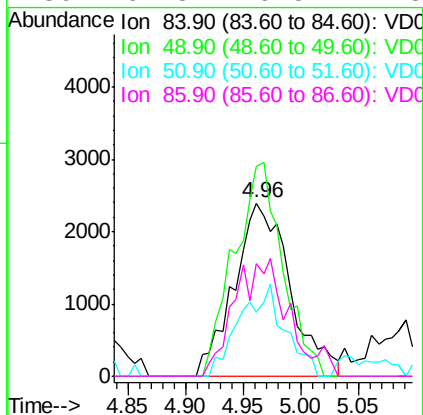
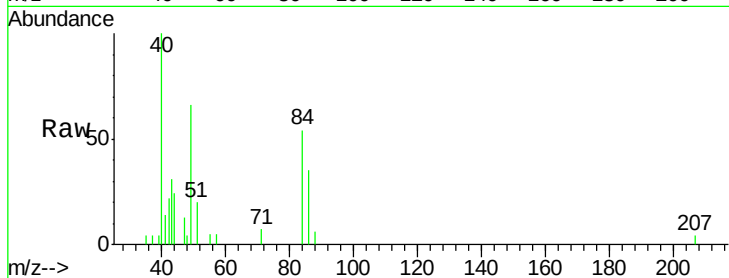




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065453.D
Acq: 09 Mar 2020 16:49

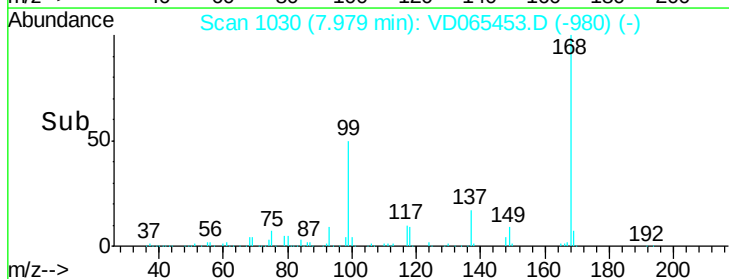
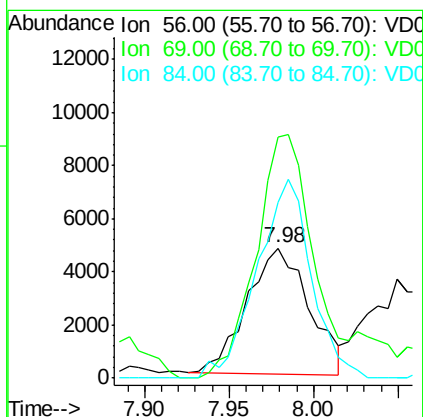
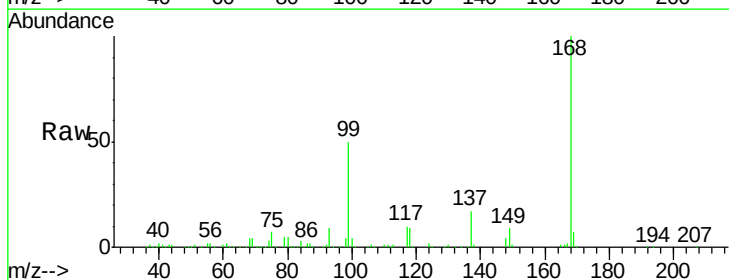
Instrument :
MSVOA_D
ClientSampleId :

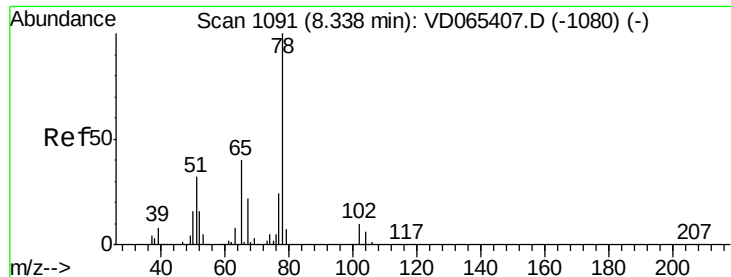
Tot Ion:	84	Resp:	8106
Ion	Ratio	Lower	Upper
84	100		
49	120.9	97.7	146.5
51	36.9	28.8	43.2
86	64.8	49.5	74.3



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065453.D
Acq: 09 Mar 2020 16:49

Tgt Ion:	56	Resp:	12232
Ion	Ratio	Lower	Upper
56	100		
69	192.0	28.3	42.5#
84	140.7	73.1	109.7#

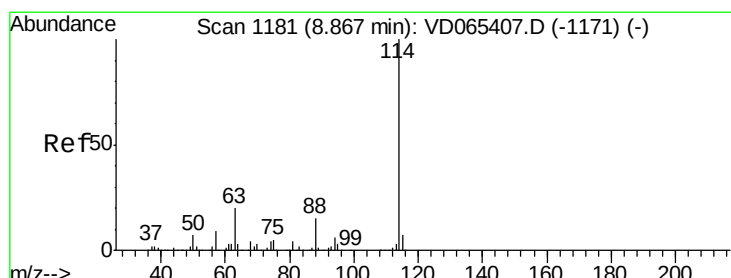
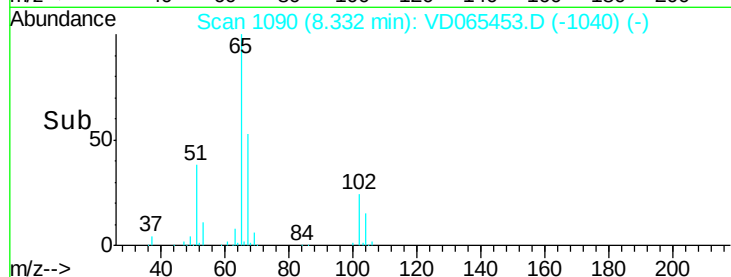
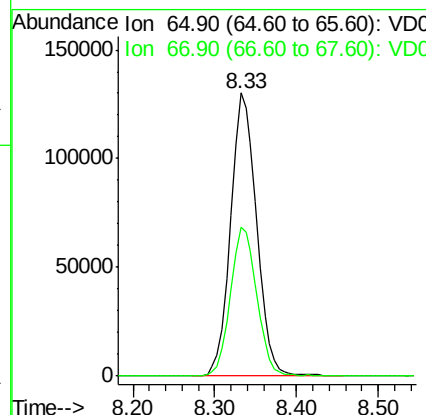
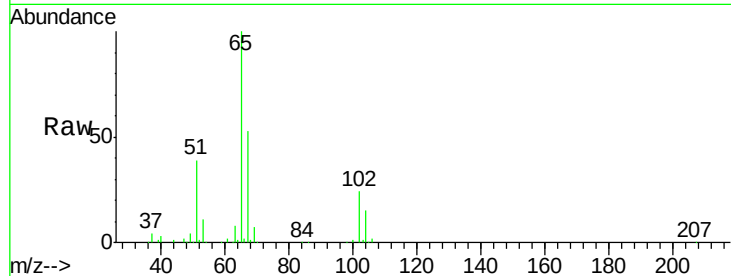




#33
 1,2-Dichloroethane-d4
 Concen: 60.592 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065453.D
 Acq: 09 Mar 2020 16:49

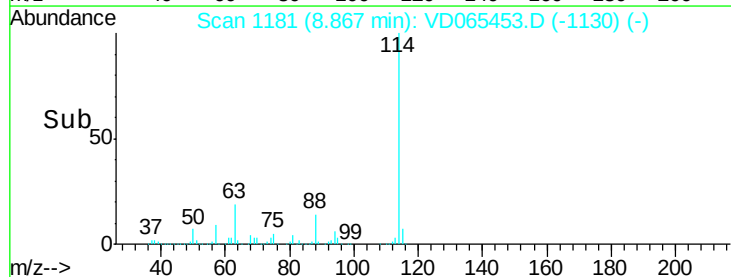
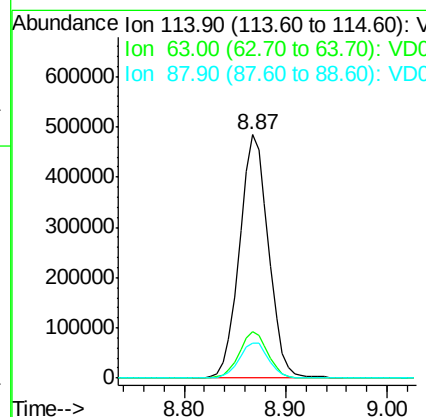
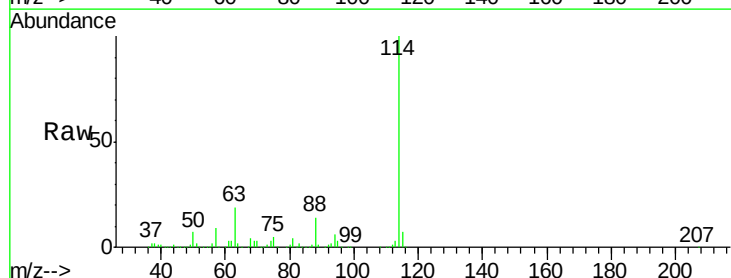
Instrument :
 MSVOA_D
 ClientSampleId :

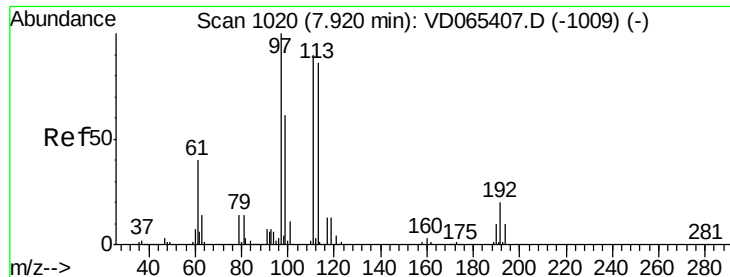
Tot Ion: 65 Resp: 287937
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065453.D
 Acq: 09 Mar 2020 16:49

Tgt Ion: 114 Resp: 957136
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 14.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.601 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065453.D

Acq: 09 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :

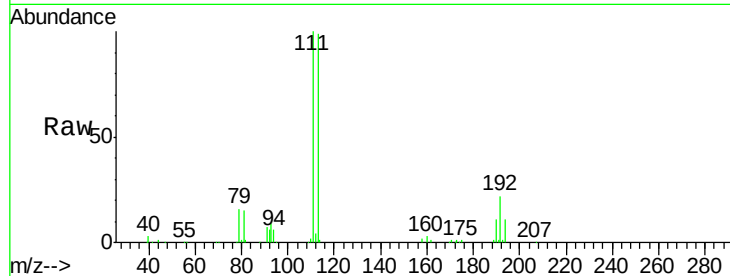
Tot Ion:113 Resp: 311347

Ion Ratio Lower Upper

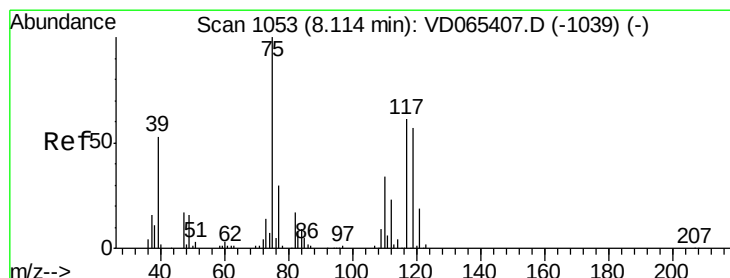
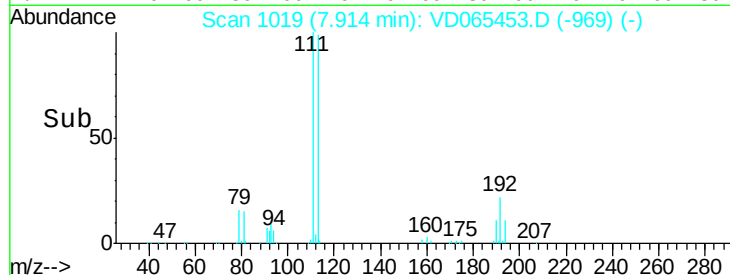
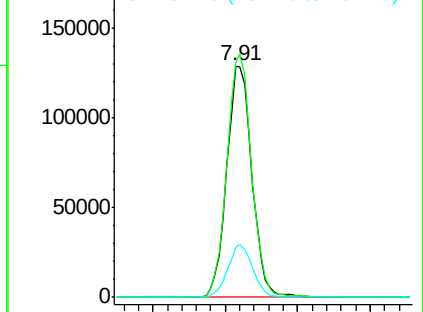
113 100

111 103.2 82.1 123.1

192 22.7 17.2 25.8



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: 4.123 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065453.D

Acq: 09 Mar 2020 16:49

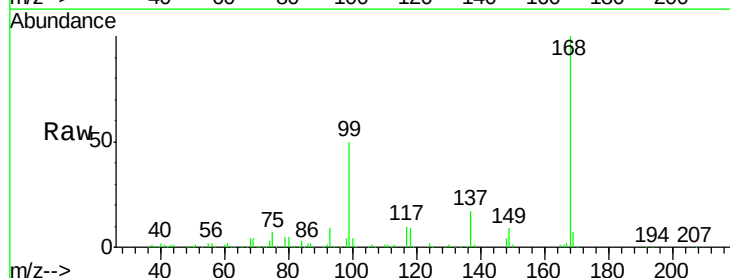
Tgt Ion: 75 Resp: 37831

Ion Ratio Lower Upper

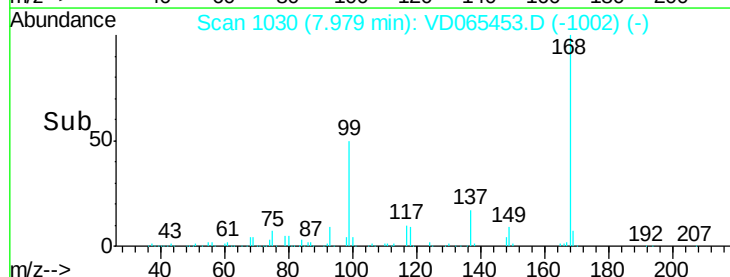
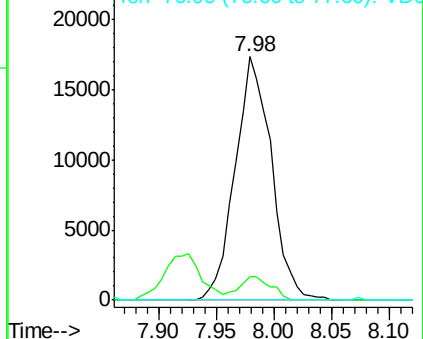
75 100

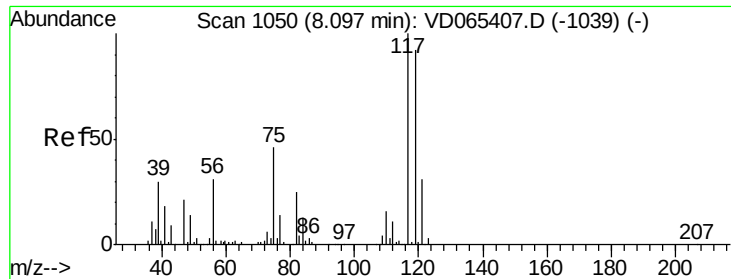
110 8.6 18.1 54.1#

77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC

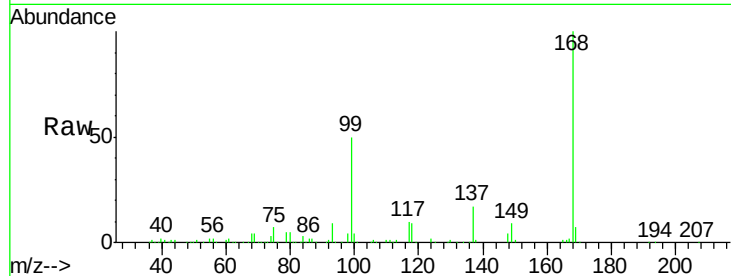




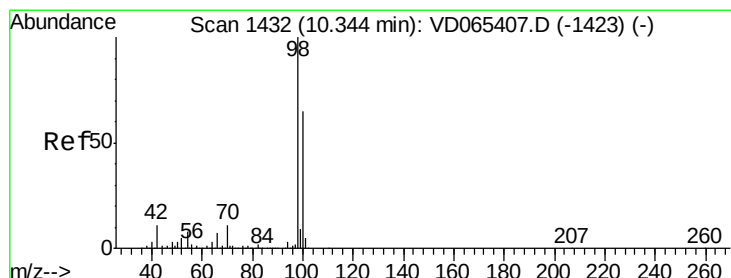
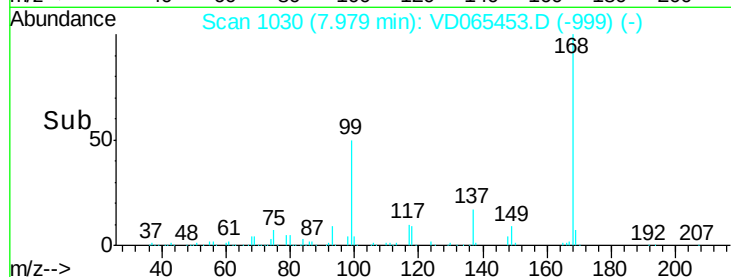
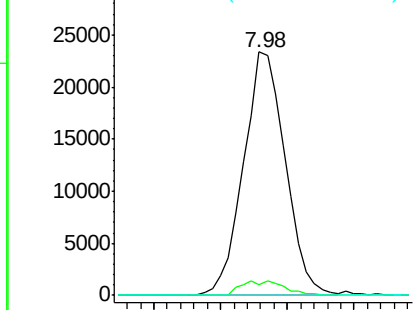
#38
Carbon Tetrachloride
Concen: 5.318 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065453.D
Acq: 09 Mar 2020 16:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 50598
Ion Ratio Lower Upper
117 100
119 4.6 73.3 109.9#
121 0.0 25.0 37.4#

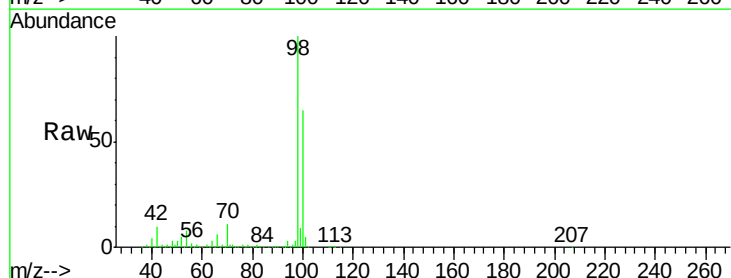


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

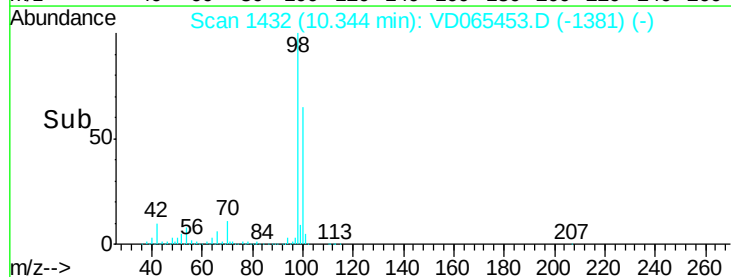
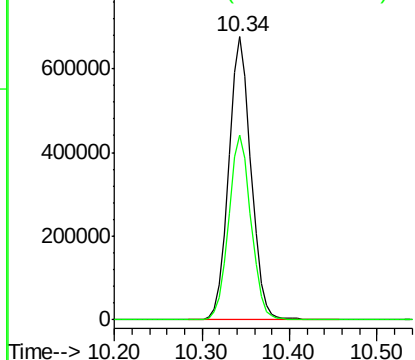


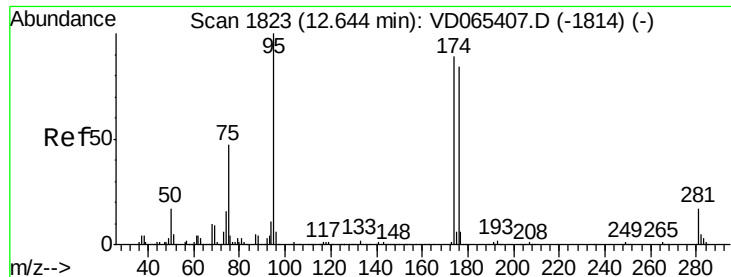
#50
Toluene-d8
Concen: 51.738 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065453.D
Acq: 09 Mar 2020 16:49

Tgt Ion: 98 Resp: 1174849
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

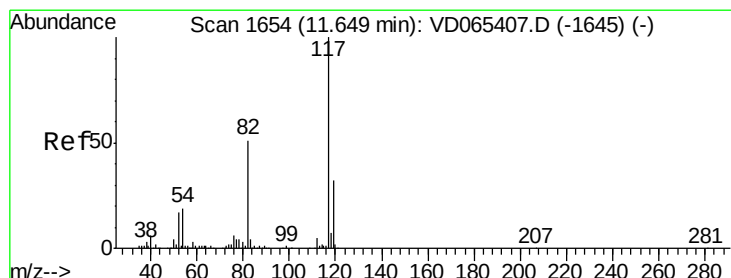
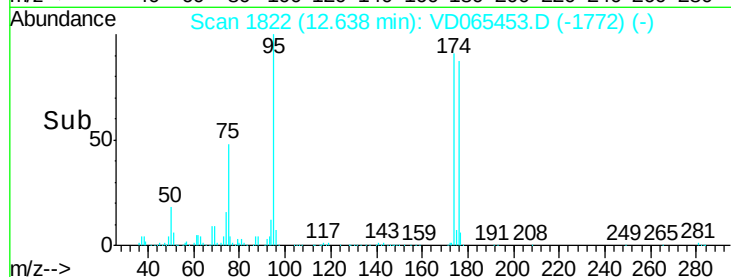
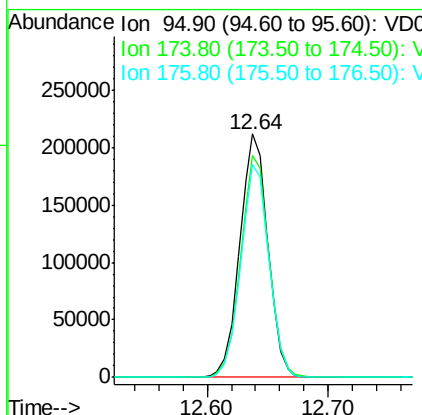
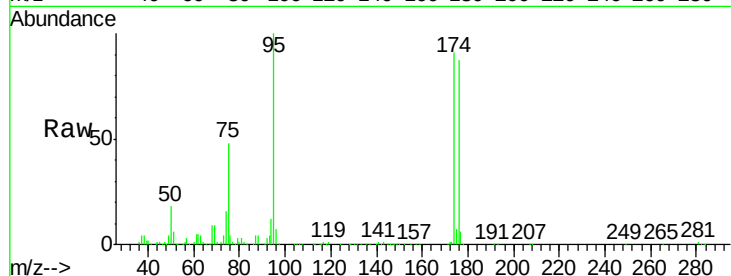




#62
4-Bromofluorobenzene
Concen: 49.020 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065453.D
Acq: 09 Mar 2020 16:49

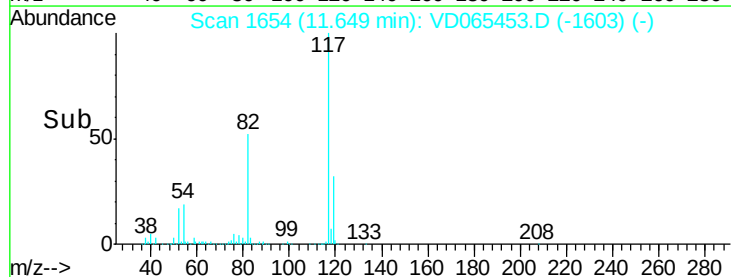
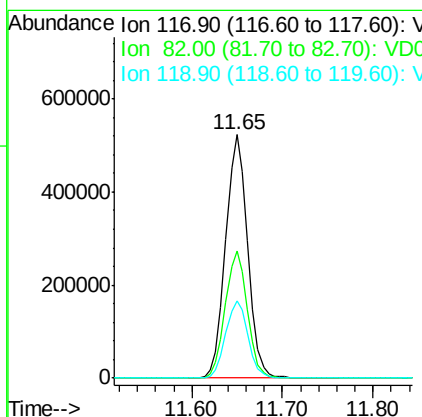
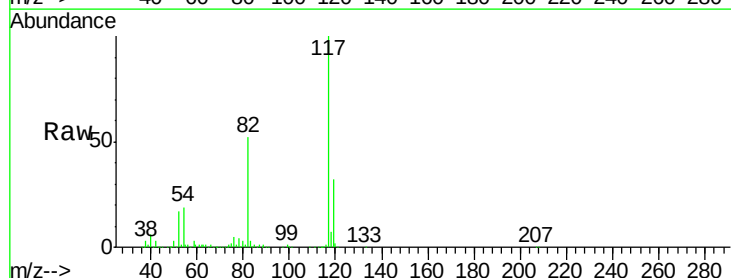
Instrument :
MSVOA_D
ClientSampleId :

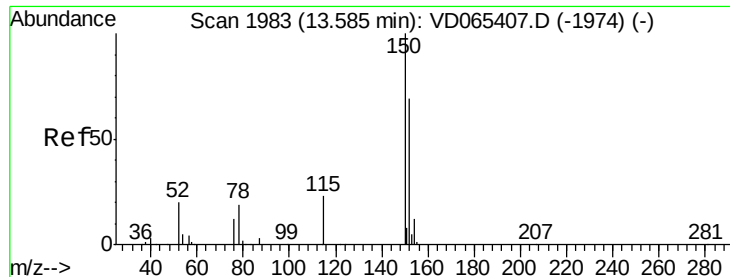
Tot Ion: 95 Resp: 343627
Ion Ratio Lower Upper
95 100
174 91.8 0.0 176.8
176 87.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065453.D
Acq: 09 Mar 2020 16:49

Tgt Ion: 117 Resp: 882110
Ion Ratio Lower Upper
117 100
82 52.3 40.6 60.8
119 31.9 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065453.D

Acq: 09 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

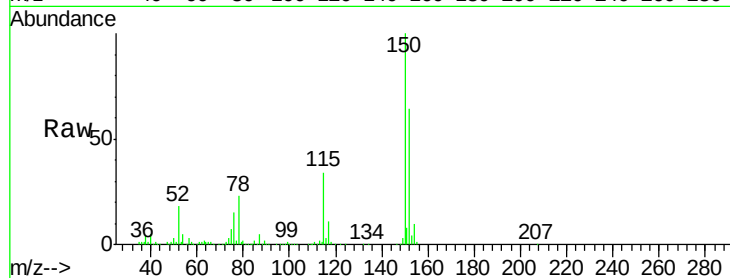
Tot Ion:152 Resp: 359008

Ion Ratio Lower Upper

152 100

115 54.0 27.6 82.8

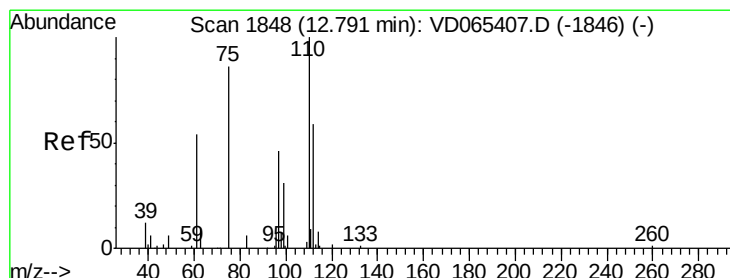
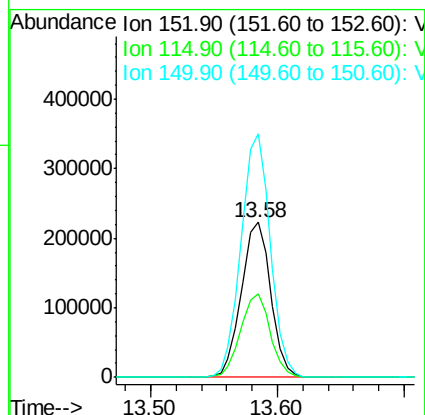
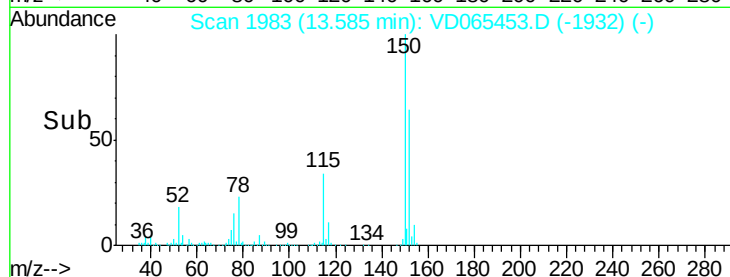
150 156.3 0.0 345.0



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: 58.365 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065453.D

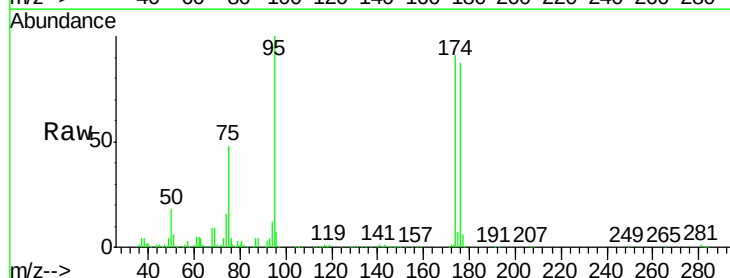
Acq: 09 Mar 2020 16:49

Tgt Ion: 75 Resp: 165341

Ion Ratio Lower Upper

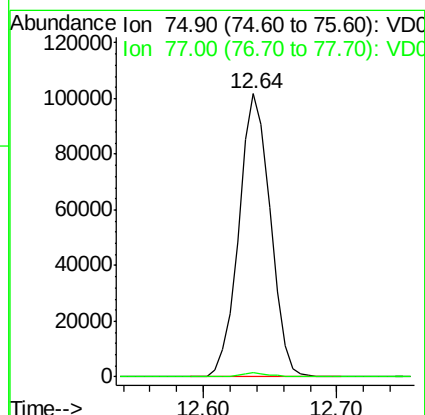
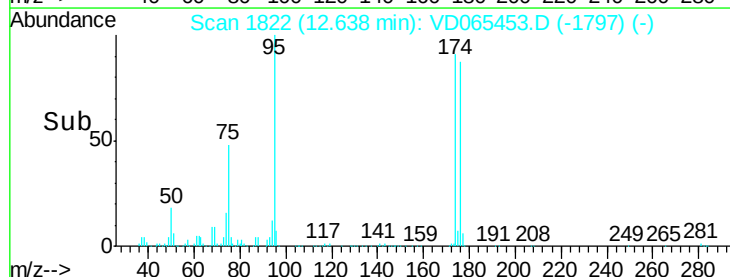
75 100

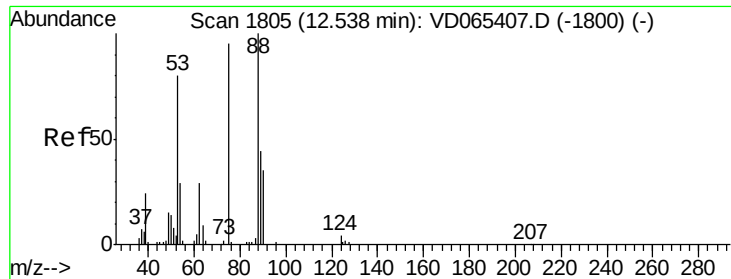
77 1.2 0.0 0.0#



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: 123.168 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065453.D

Acq: 09 Mar 2020 16:49

Instrument :

MSVOA_D

ClientSampleId :

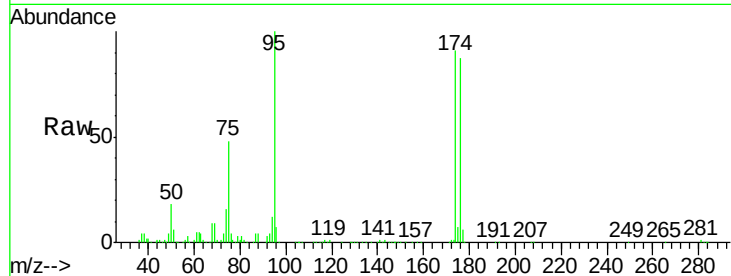
Tot Ion: 75 Resp: 165341

Ion Ratio Lower Upper

75 100

53 0.2 71.3 106.9#

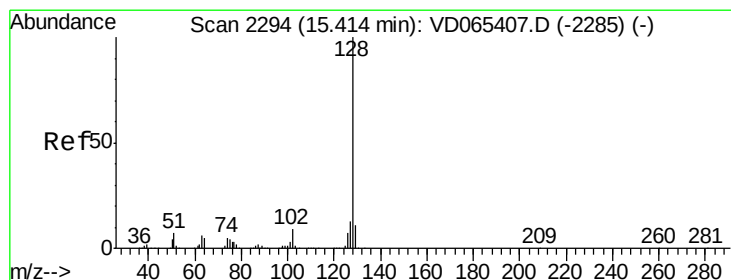
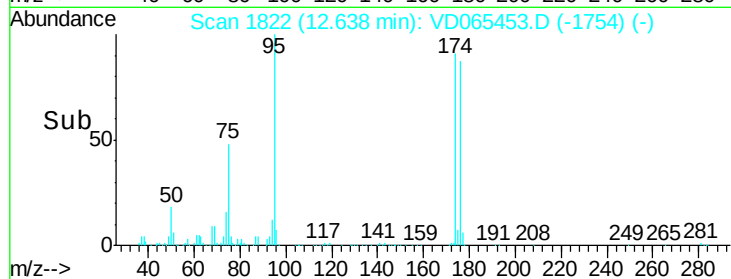
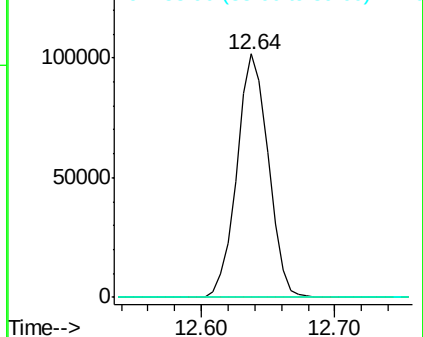
89 0.0 37.0 55.6#



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: 4.434 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD065453.D

Acq: 09 Mar 2020 16:49

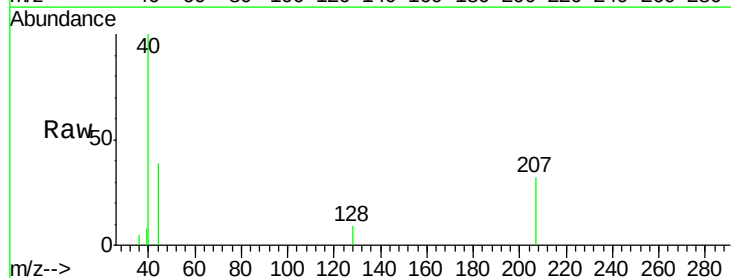
Tgt Ion:128 Resp: 344

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

