

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065567.D
 Acq On : 31 Mar 2020 15:47
 Operator : VA/SY
 Sample : L2067-01
 Misc : 9.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 05:55:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	557992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1015509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1059719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	521228	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	282630	60.85	ug/l	0.00
Spiked Amount			Recovery	=	121.70%	
35) Dibromofluoromethane	7.92	113	329421	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
50) Toluene-d8	10.34	98	1282926	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
62) 4-Bromofluorobenzene	12.64	95	466235	62.42	ug/l	0.00
Spiked Amount			Recovery	=	124.84%	

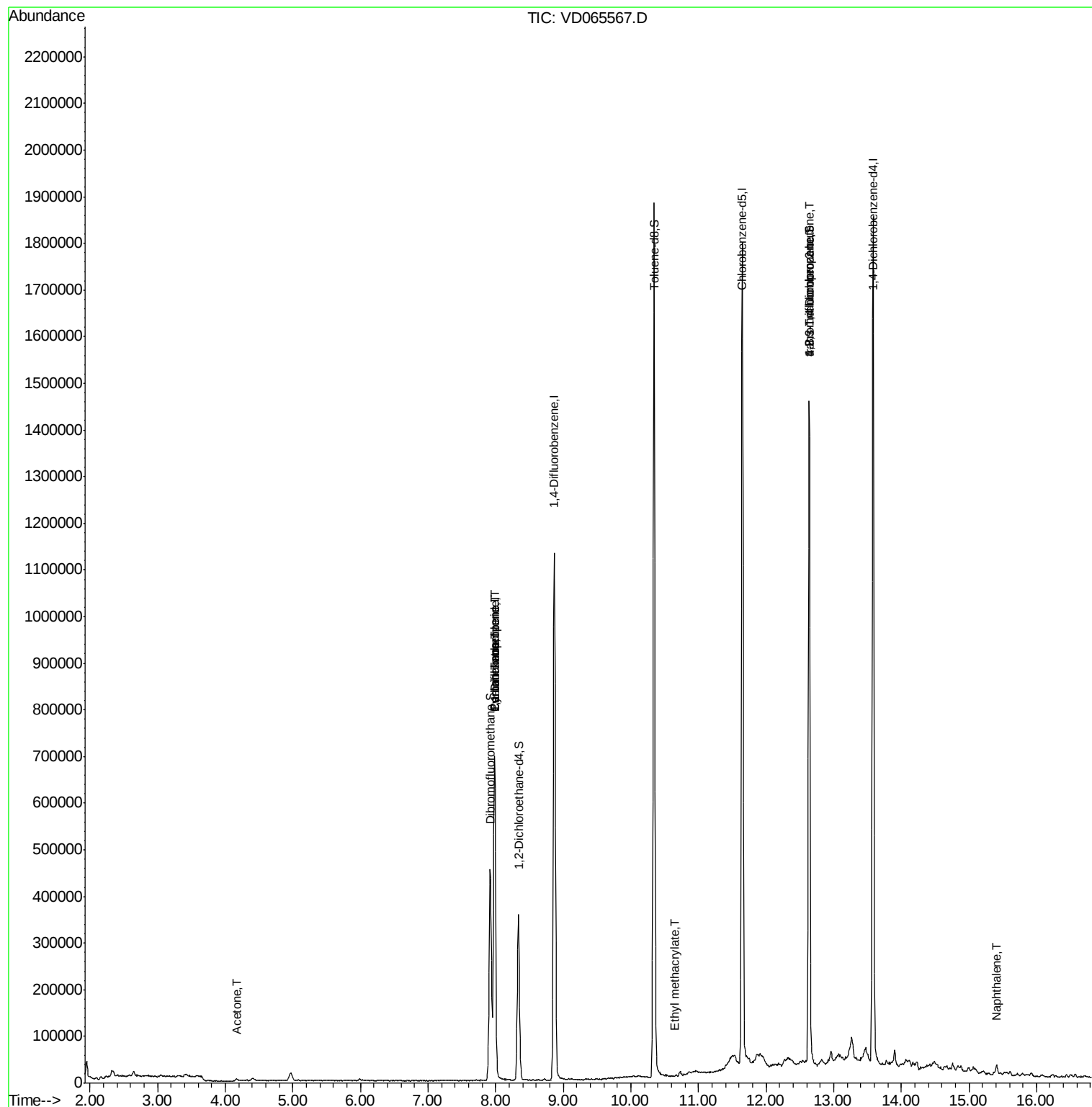
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	190	Below Cal		78
3) Chloromethane	2.20	50	810	Below Cal	#	42
5) Bromomethane	2.79	94	810	Below Cal	#	4
16) Acetone	4.17	43	4491	5.124	ug/l #	81
20) Methylene Chloride	4.96	84	12573	Below Cal	#	83
31) Cyclohexane	7.98	56	9803	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	37139	4.003	ug/l #	48
38) Carbon Tetrachloride	7.98	117	51047	5.224	ug/l #	18
56) Ethyl methacrylate	10.65	69	110	3.310	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	220103	54.926	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	220103	122.606	ug/l #	13
95) Naphthalene	15.41	128	18044	5.346	ug/l #	91

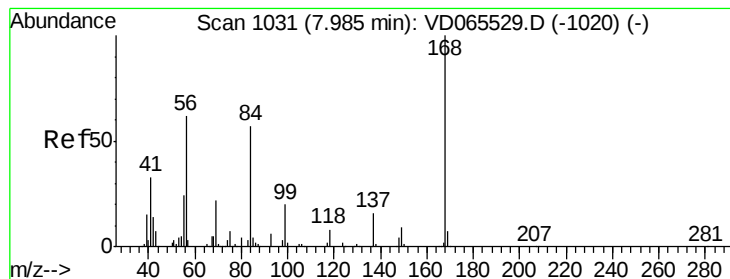
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 01 05:55:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 01:47:48 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: VD065567.D

Acq: 31 Mar 2020 15:47

Instrument :

MSVOA_D

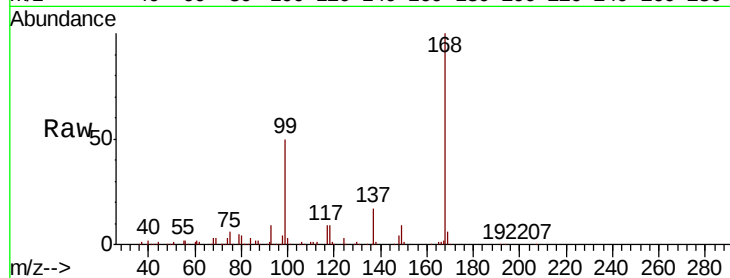
ClientSampleId :

Tot Ion:168 Resp: 557992

Ion Ratio Lower Upper

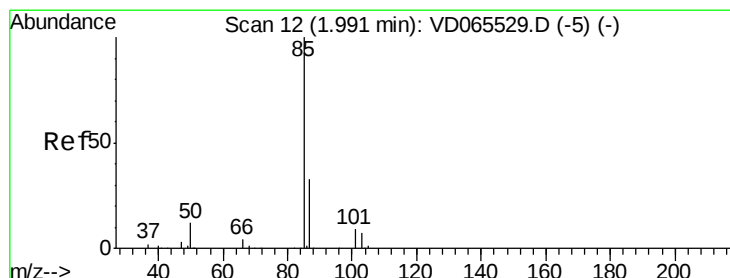
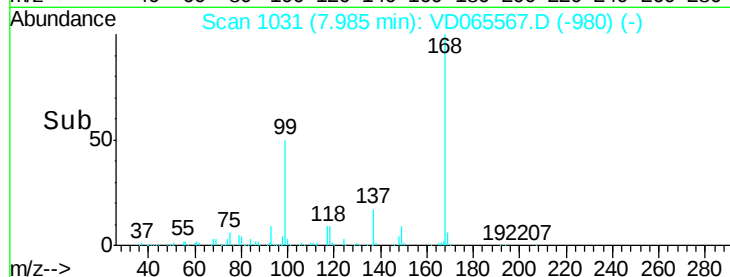
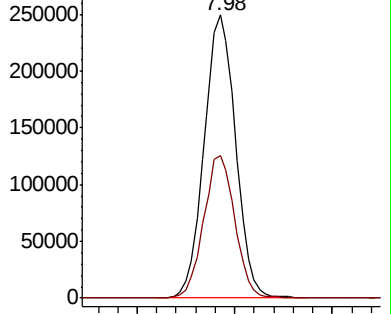
168 100

99 50.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065567.D

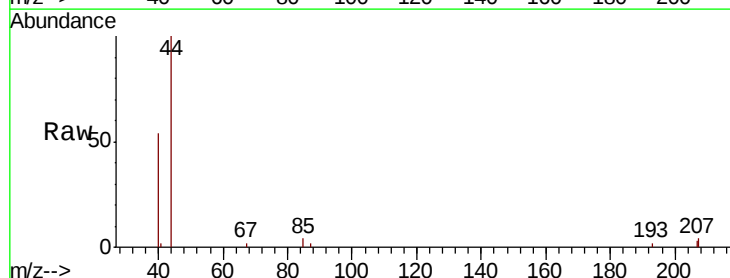
Acq: 31 Mar 2020 15:47

Tgt Ion: 85 Resp: 190

Ion Ratio Lower Upper

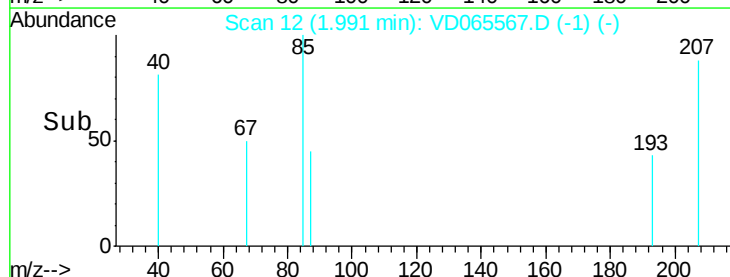
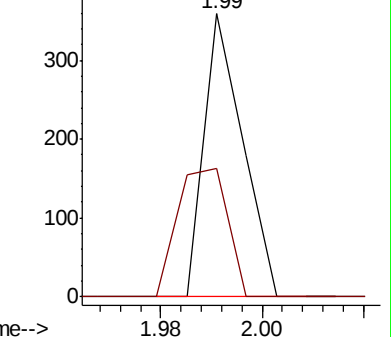
85 100

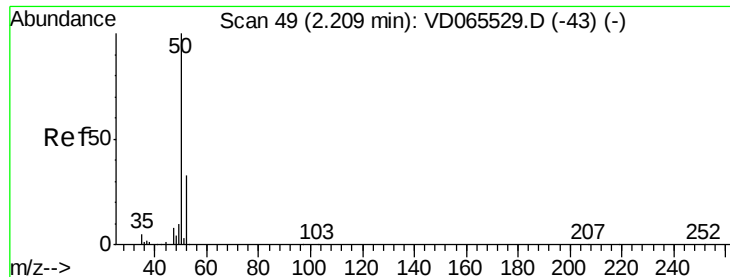
87 45.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

Instrument :

MSVOA_D

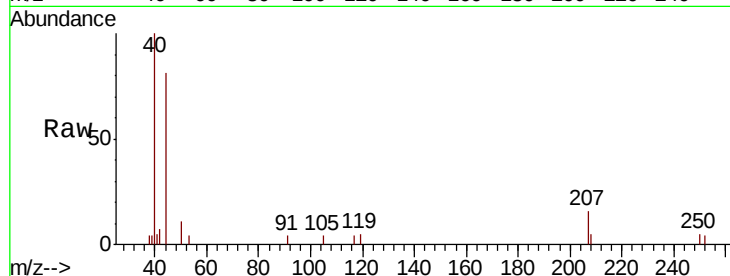
ClientSampleId :

Tot Ion: 50 Resp: 810

Ion Ratio Lower Upper

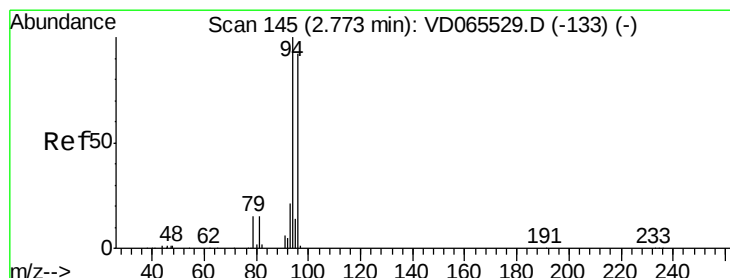
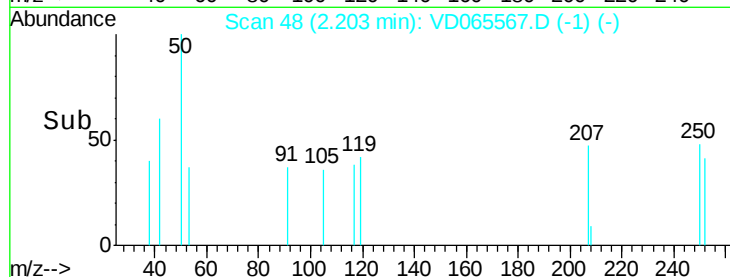
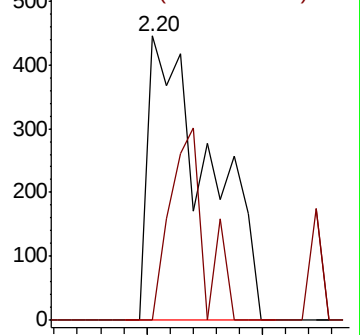
50 100

52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD065567.D

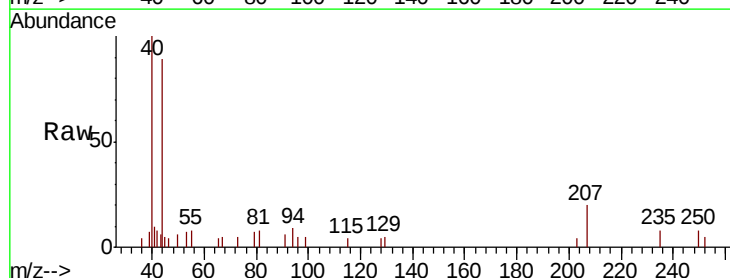
Acq: 31 Mar 2020 15:47

Tgt Ion: 94 Resp: 810

Ion Ratio Lower Upper

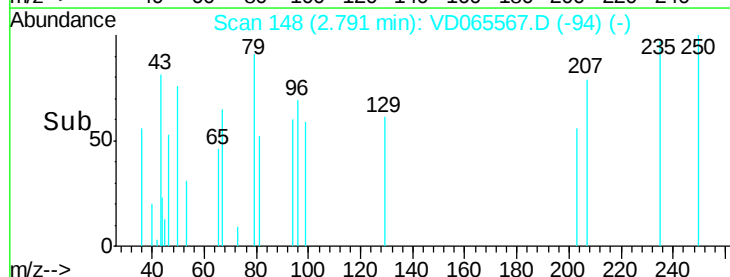
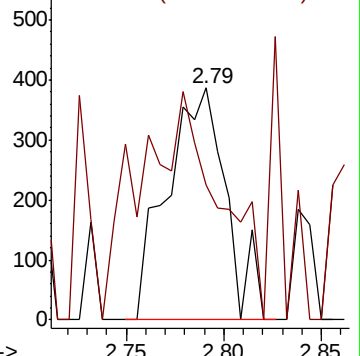
94 100

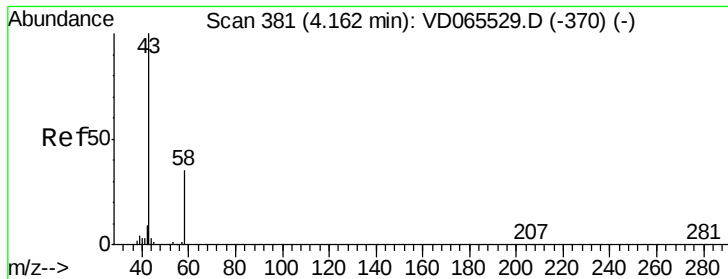
96 0.0 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 5.124 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

Instrument :

MSVOA_D

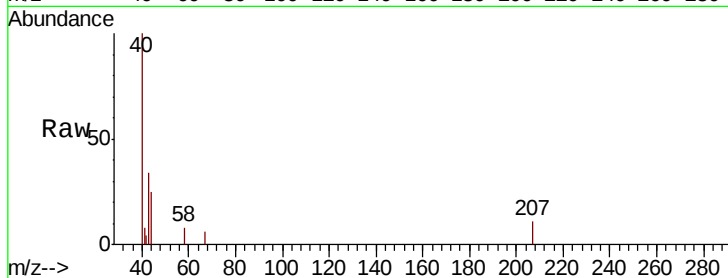
ClientSampleId :

Tot Ion: 43 Resp: 4491

Ion Ratio Lower Upper

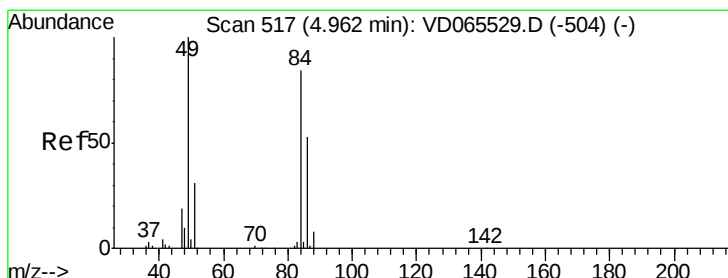
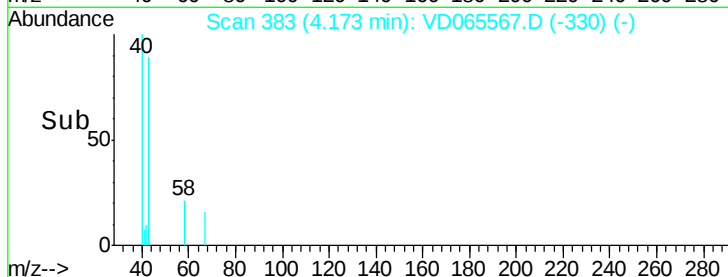
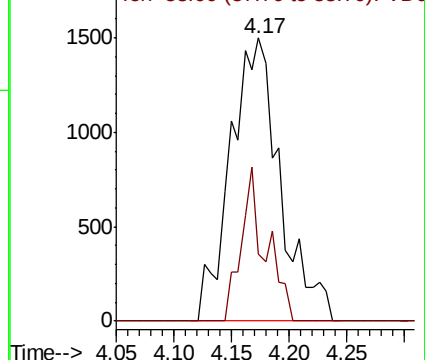
43 100

58 23.7 27.9 41.9#



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: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

Tgt Ion: 84 Resp: 12573

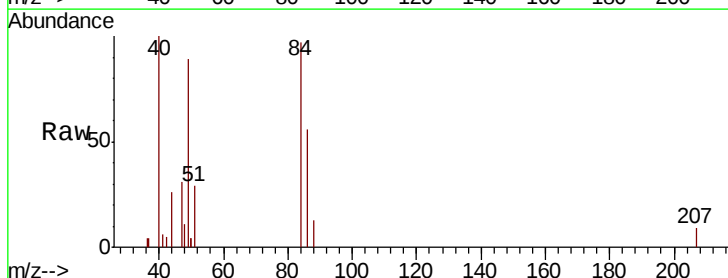
Ion Ratio Lower Upper

84 100

49 91.6 95.6 143.4#

51 30.2 29.4 44.2

86 58.2 50.6 76.0

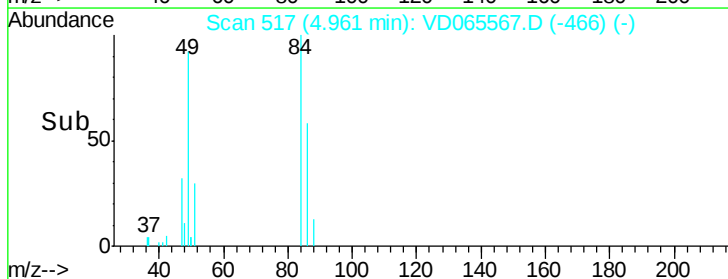
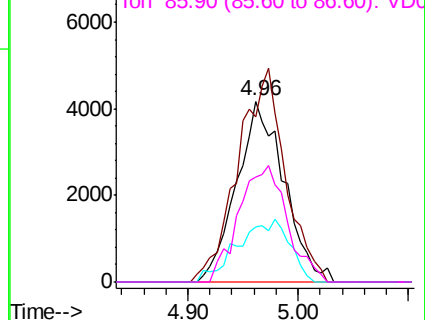


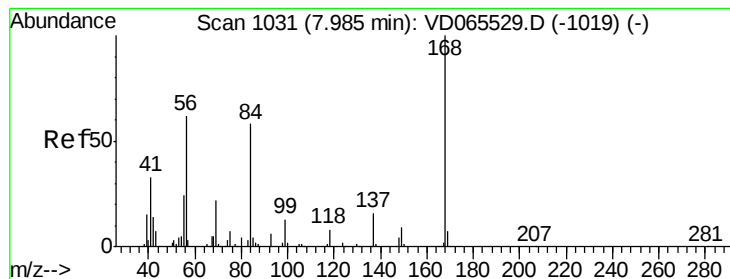
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.123 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

Instrument :

MSVOA_D

ClientSampleId :

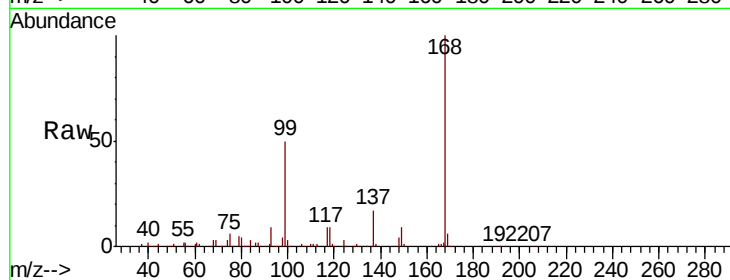
Tot Ion: 56 Resp: 9803

Ion Ratio Lower Upper

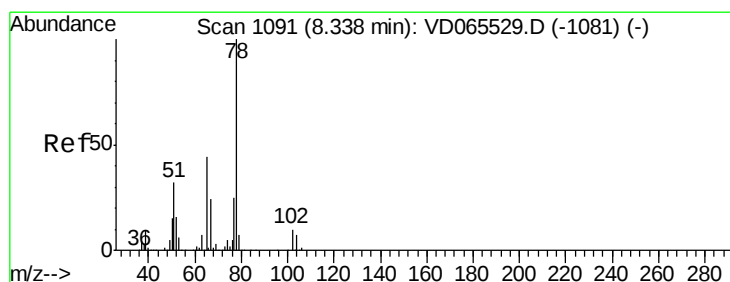
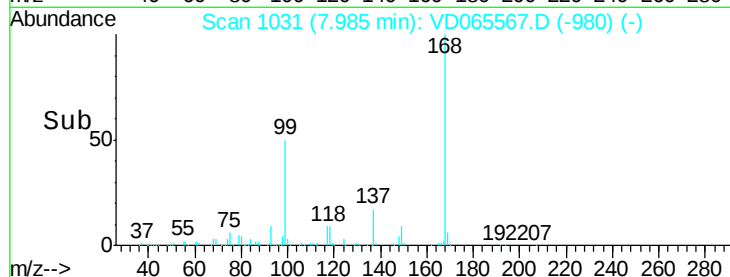
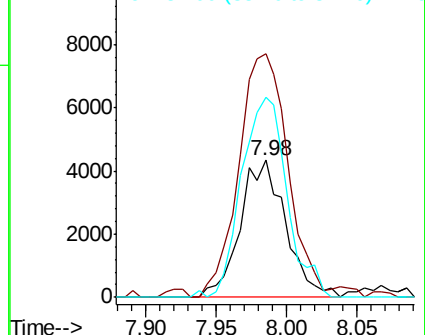
56 100

69 177.3 28.2 42.4#

84 145.5 73.4 110.0#



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: 60.847 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065567.D

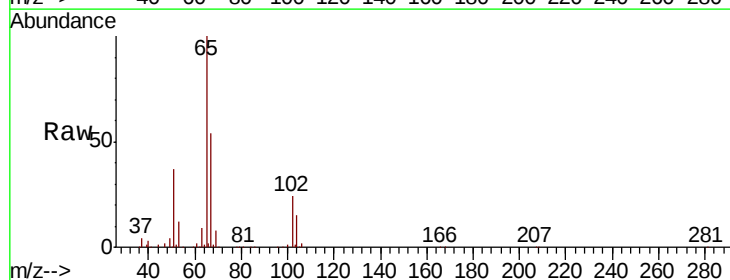
Acq: 31 Mar 2020 15:47

Tgt Ion: 65 Resp: 282630

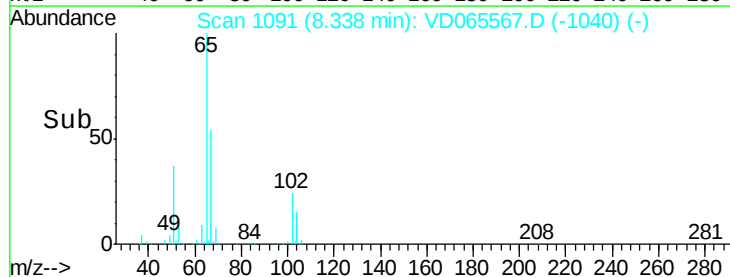
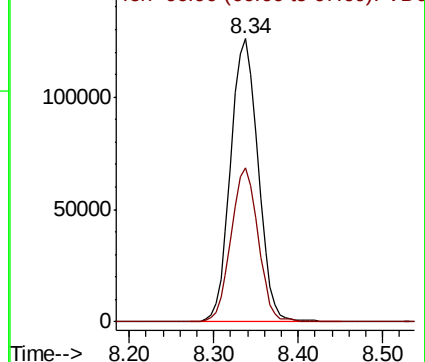
Ion Ratio Lower Upper

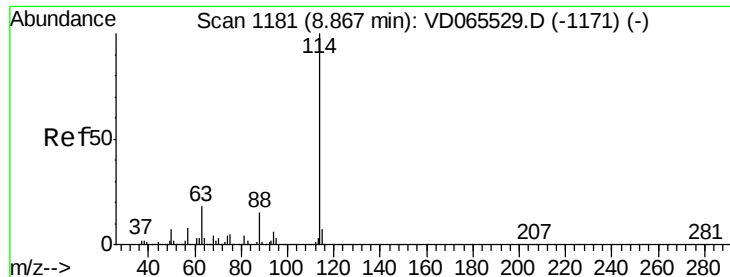
65 100

67 53.4 0.0 107.6



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

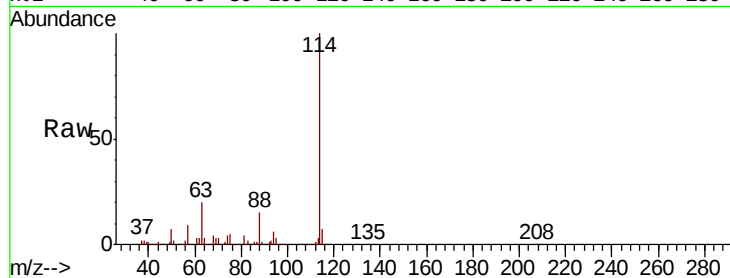




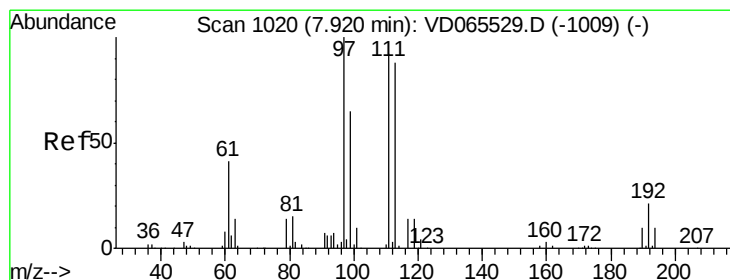
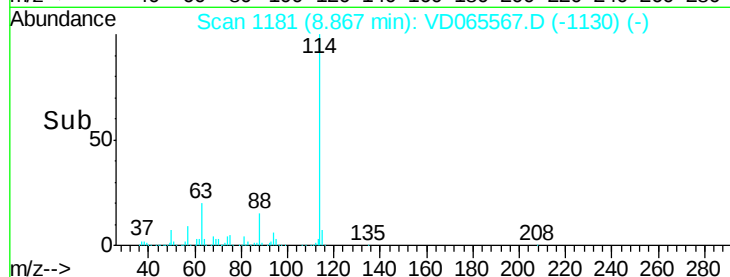
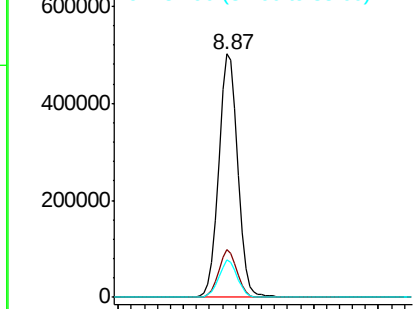
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD065567.D
Acq: 31 Mar 2020 15:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 1015509
Ion Ratio Lower Upper
114 100
63 19.8 0.0 37.0
88 15.5 0.0 30.4

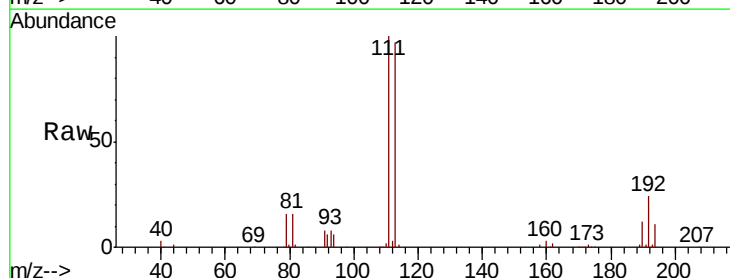


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VDC
Ion 87.90 (87.60 to 88.60): VDC

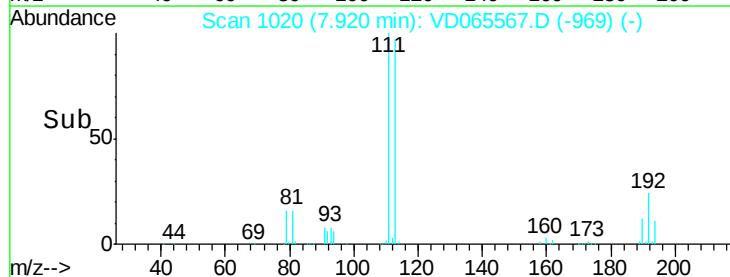
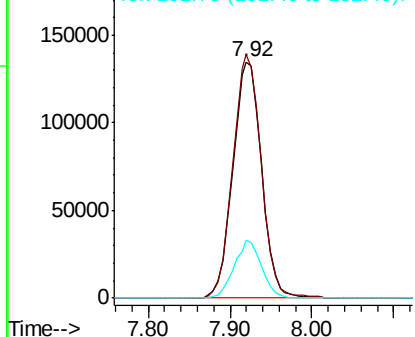


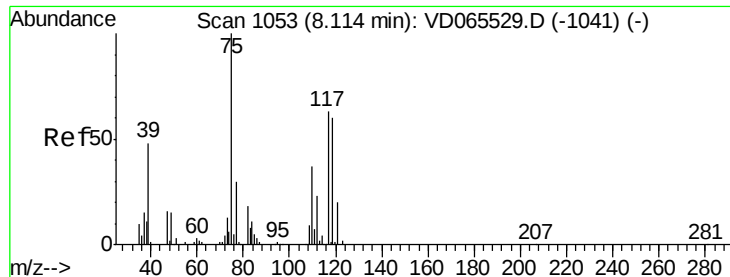
#35
Dibromofluoromethane
Concen: 52.554 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065567.D
Acq: 31 Mar 2020 15:47

Tgt Ion:113 Resp: 329421
Ion Ratio Lower Upper
113 100
111 101.8 83.3 124.9
192 23.2 18.5 27.7



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: 4.003 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

Instrument :
MSVOA_D
ClientSampleId :

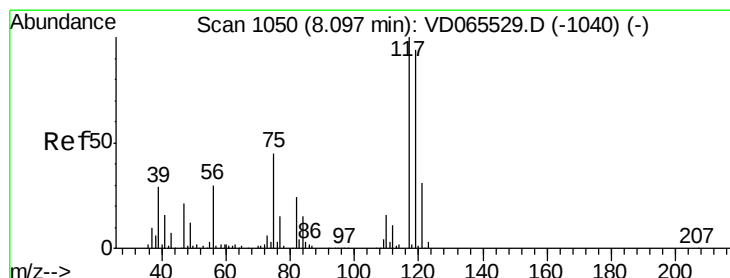
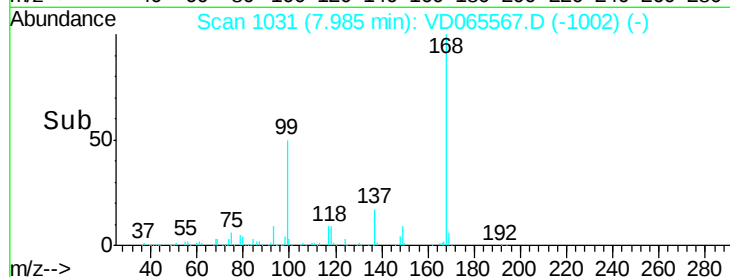
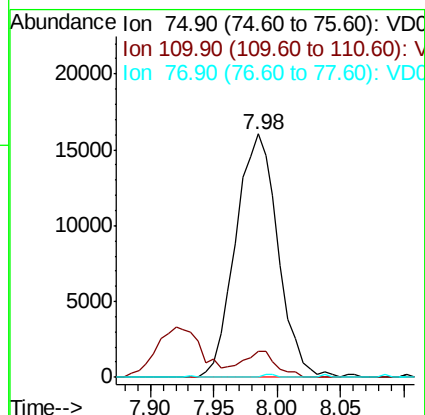
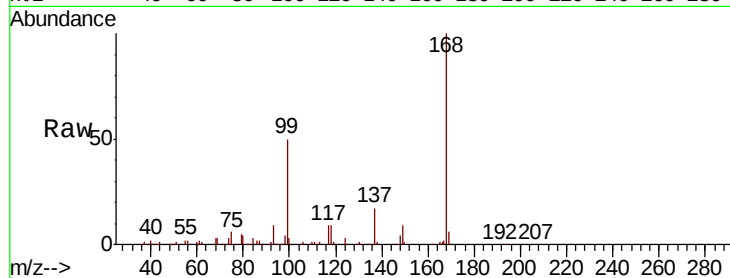
Tot Ion: 75 Resp: 37139

Ion Ratio Lower Upper

75 100

110 8.5 18.8 56.4#

77 0.3 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.224 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

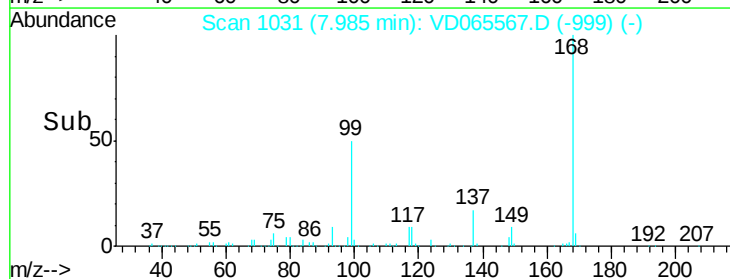
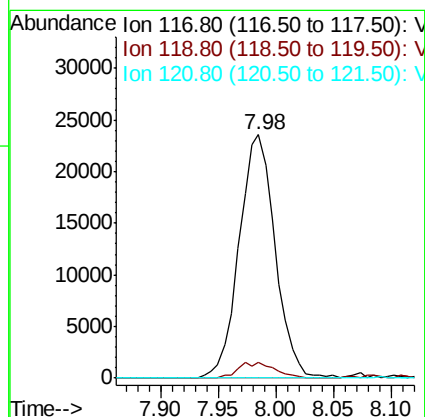
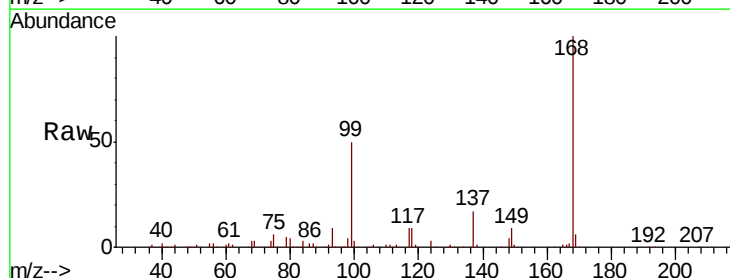
Tgt Ion: 117 Resp: 51047

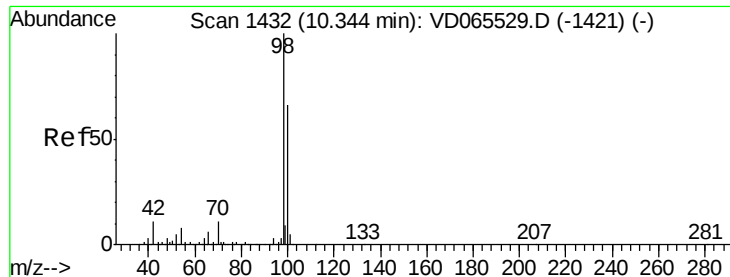
Ion Ratio Lower Upper

117 100

119 6.6 75.2 112.8#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 54.517 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

Instrument :

MSVOA_D

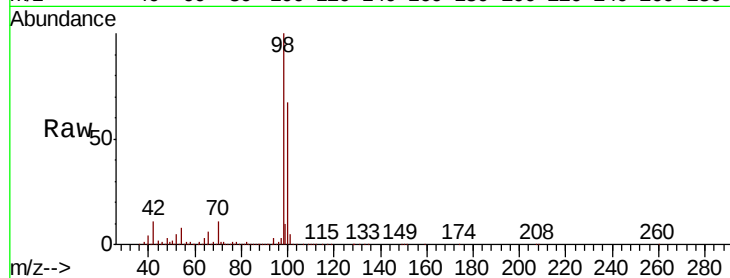
ClientSampleId :

Tot Ion: 98 Resp: 1282926

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

800000

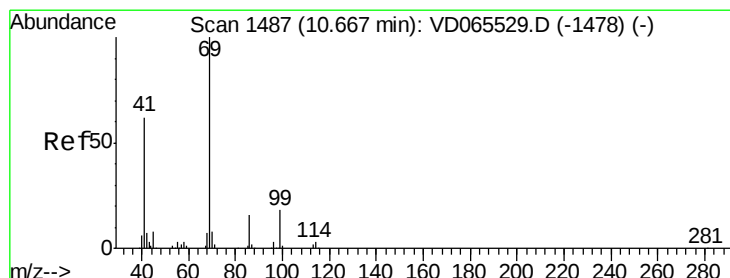
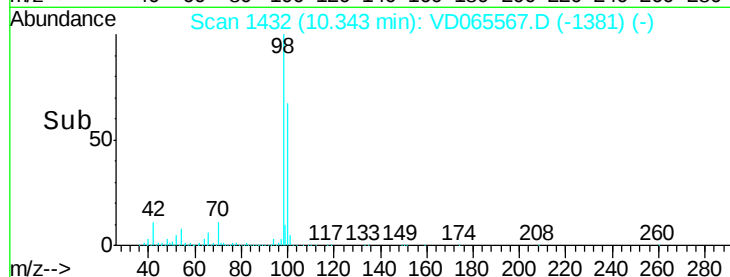
600000

400000

200000

0

Time--> 10.20 10.30 10.40 10.50



#56

Ethyl methacrylate

Concen: 3.310 ug/l

RT: 10.65 min Scan# 1484

Delta R.T. -0.02 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

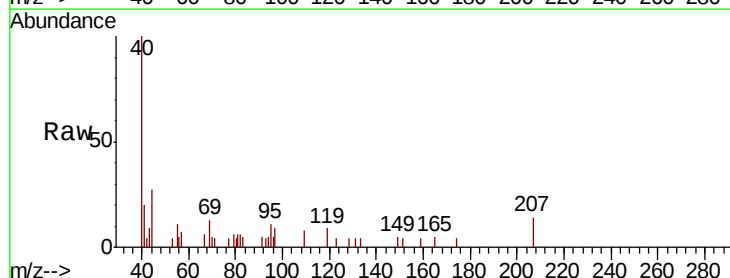
Tgt Ion: 69 Resp: 110

Ion Ratio Lower Upper

69 100

41 401.8 51.3 76.9#

39 701.8 25.3 37.9#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

1200

1000

800

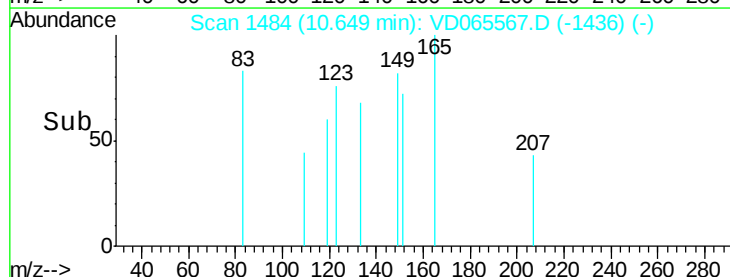
600

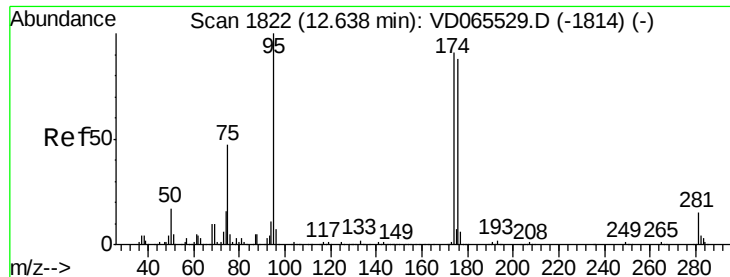
400

200

0

Time--> 10.64 10.65

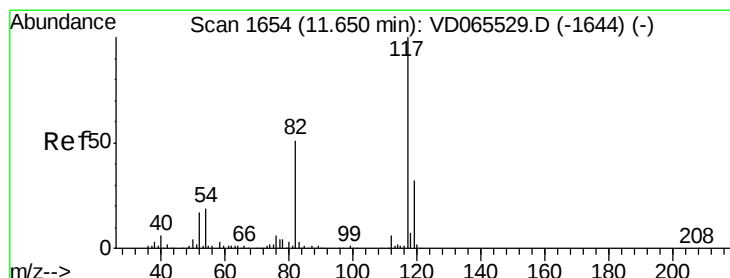
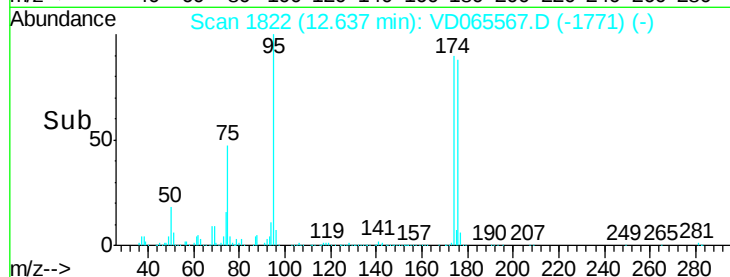
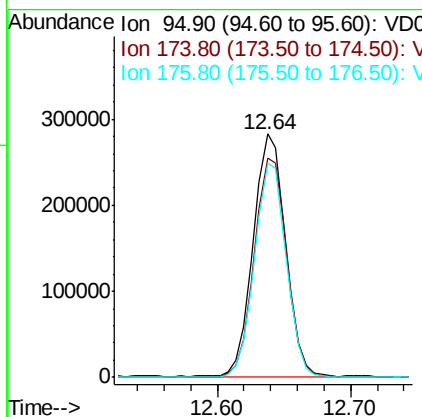
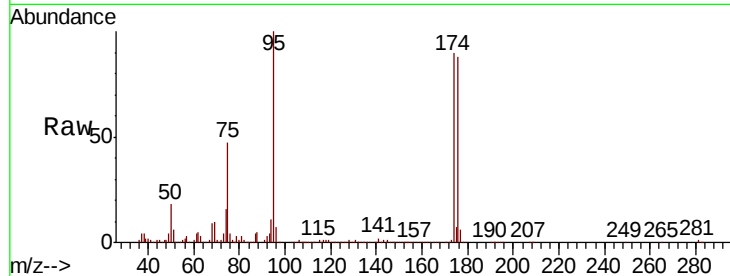




#62
4-Bromofluorobenzene
Concen: 62.423 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065567.D
Acq: 31 Mar 2020 15:47

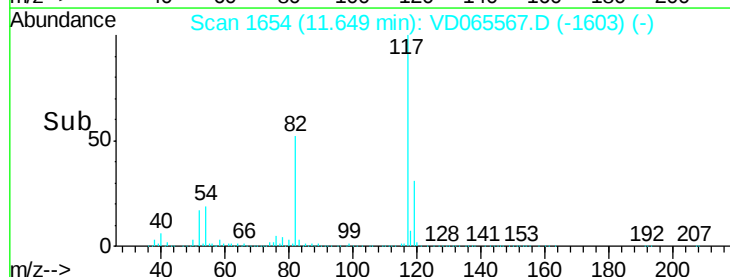
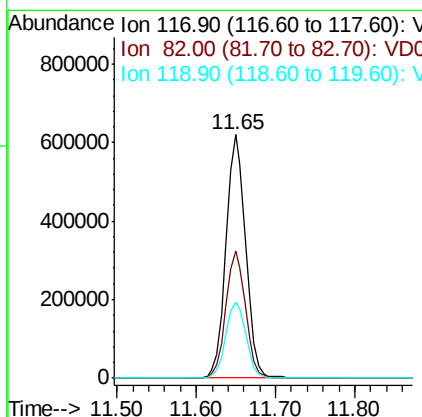
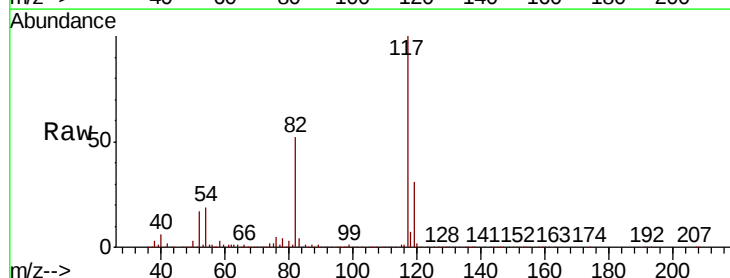
Instrument :
MSVOA_D
ClientSampleId :

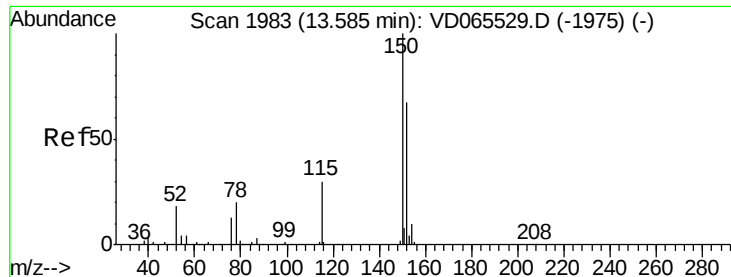
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.0	0.0	183.8
176	87.6	0.0	178.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065567.D
Acq: 31 Mar 2020 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.0	61.6
119	31.2	25.5	38.3



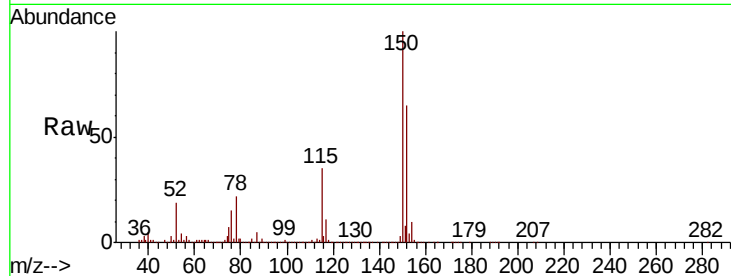


#72

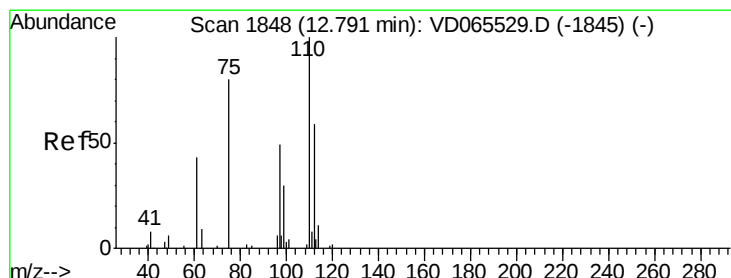
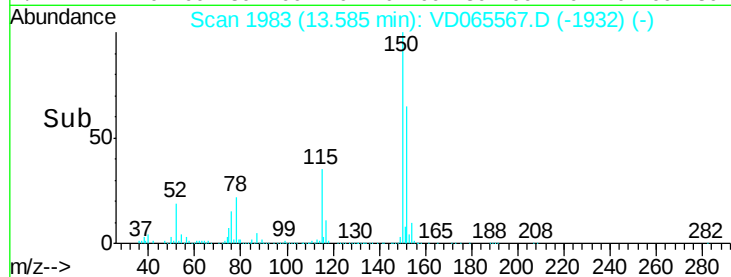
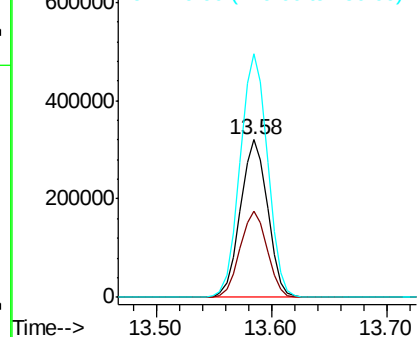
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065567.D
Acq: 31 Mar 2020 15:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 521228
Ion Ratio Lower Upper
152 100
115 54.7 27.2 81.6
150 156.4 0.0 340.2



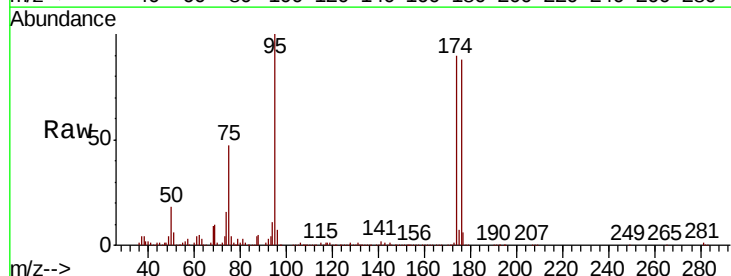
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



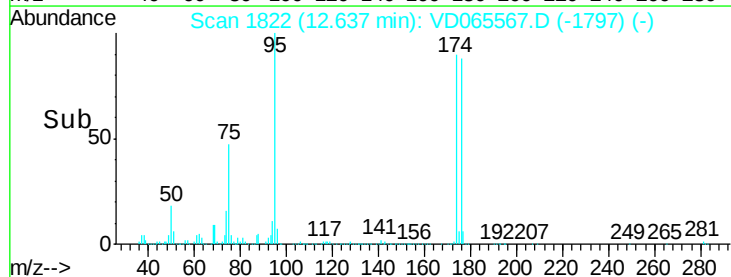
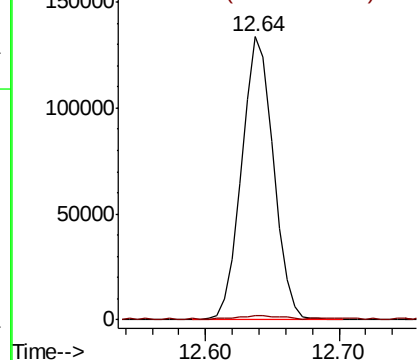
#76

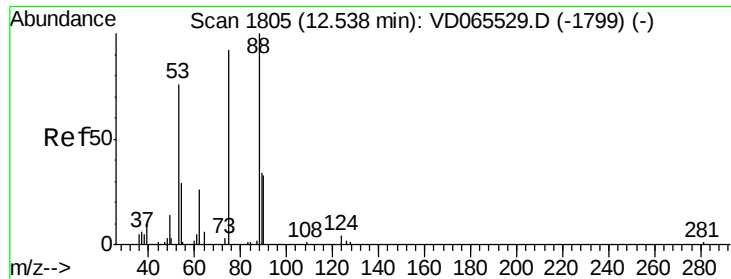
1,2,3-Trichloropropane
Concen: 54.926 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065567.D
Acq: 31 Mar 2020 15:47

Tgt Ion: 75 Resp: 220103
Ion Ratio Lower Upper
75 100
77 1.7 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: 122.606 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

Instrument :

MSVOA_D

ClientSampleId :

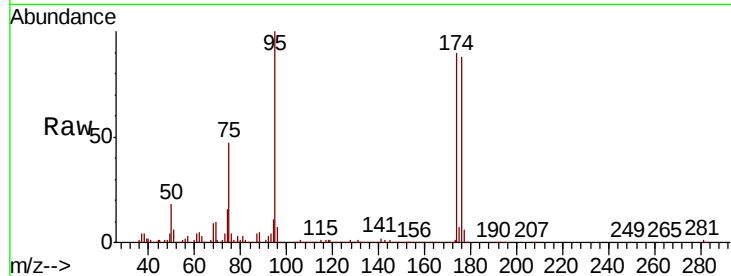
Tot Ion: 75 Resp: 220103

Ion Ratio Lower Upper

75 100

53 0.4 72.4 108.6#

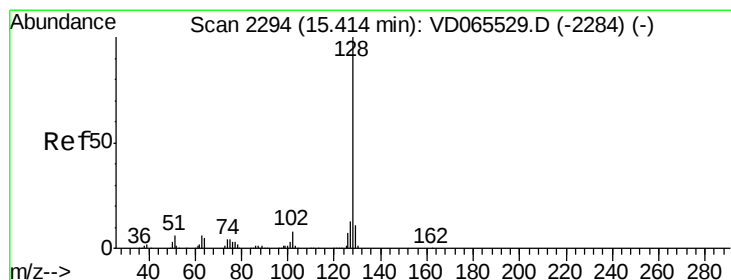
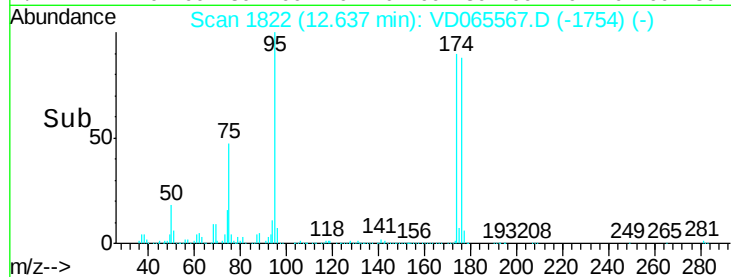
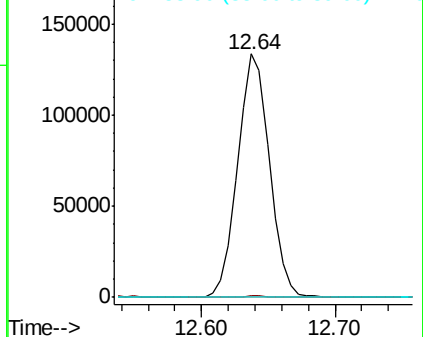
89 0.2 36.9 55.3#



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



#95

Naphthalene

Concen: 5.346 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065567.D

Acq: 31 Mar 2020 15:47

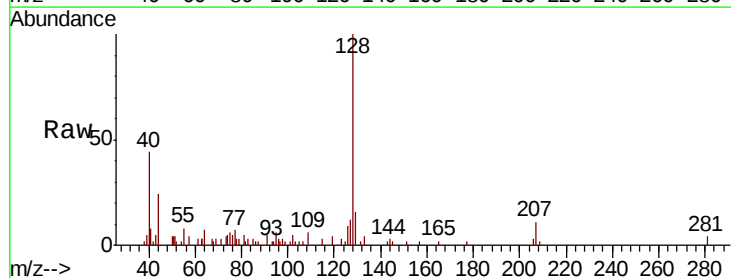
Tgt Ion:128 Resp: 18044

Ion Ratio Lower Upper

128 100

127 14.9 10.4 15.6

129 16.4 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

