

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065559.D
 Acq On : 31 Mar 2020 11:49
 Operator : VA/SY
 Sample : VD0331SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 05:52:25 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

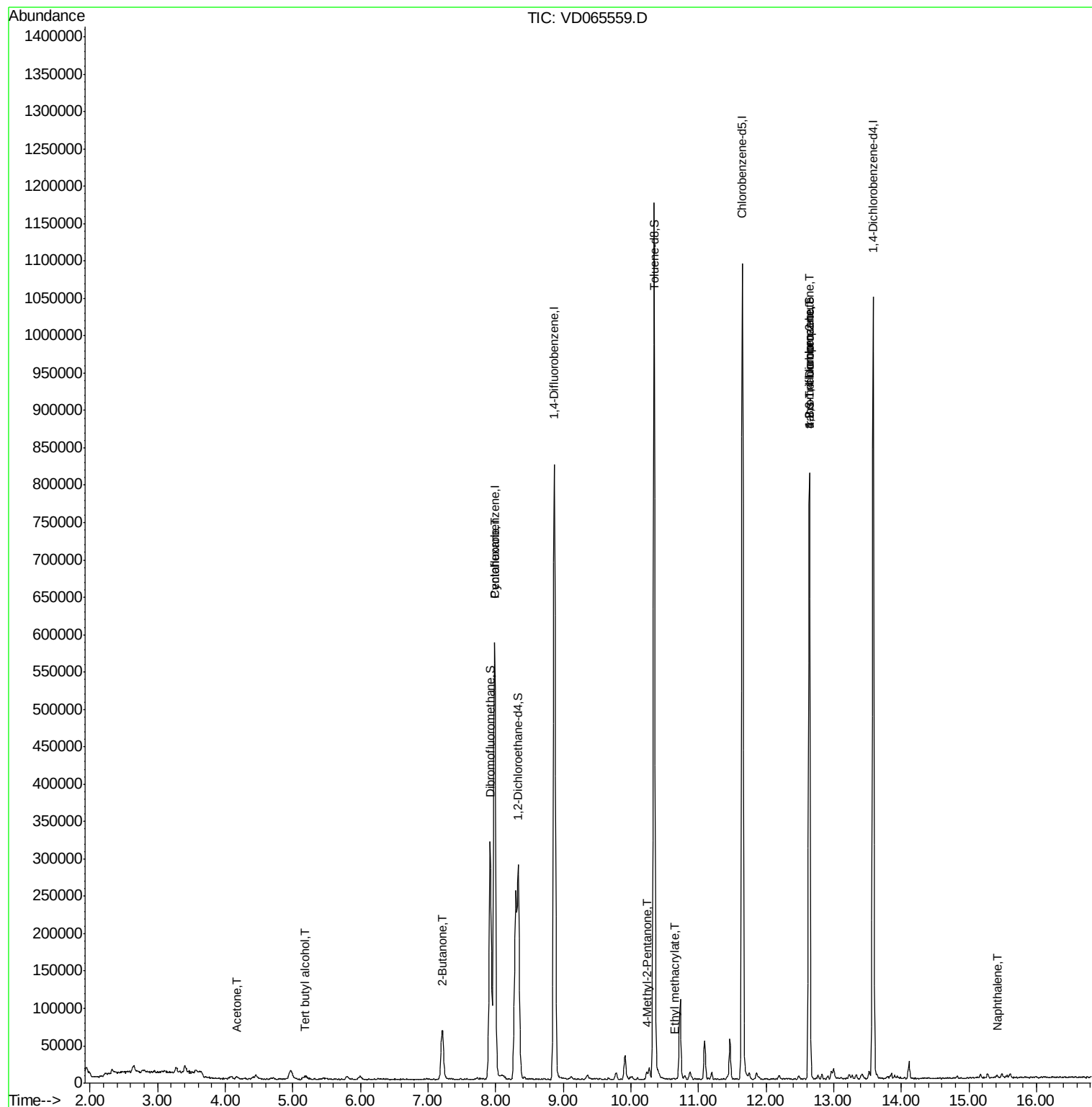
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	464591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	734856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	666602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292886	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	209754	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	7.92	113	224305	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.34	98	813371	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	12.64	95	231220	42.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	3181	Below Cal		77
3) Chloromethane	2.21	50	1705	Below Cal	#	78
5) Bromomethane	2.79	94	1515	Below Cal	#	67
11) Tert butyl alcohol	5.18	59	2379	10.939	ug/l #	73
16) Acetone	4.17	43	4750	6.509	ug/l	95
20) Methylene Chloride	4.96	84	8905	Below Cal		88
25) 2-Butanone	7.21	43	4314	4.353	ug/l #	85
31) Cyclohexane	7.99	56	9759	1.342	ug/l #	20
51) 4-Methyl-2-Pentanone	10.24	43	9193	3.903	ug/l	90
56) Ethyl methacrylate	10.66	69	76	3.309	ug/l #	68
76) 1,2,3-Trichloropropane	12.64	75	111379	49.464	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	111379	110.412	ug/l #	13
95) Naphthalene	15.42	128	4082	4.735	ug/l #	85

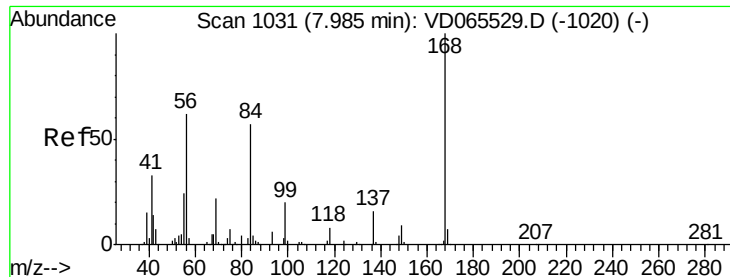
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD033120\
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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: VD065559.D

Acq: 31 Mar 2020 11:49

Instrument :

MSVOA_D

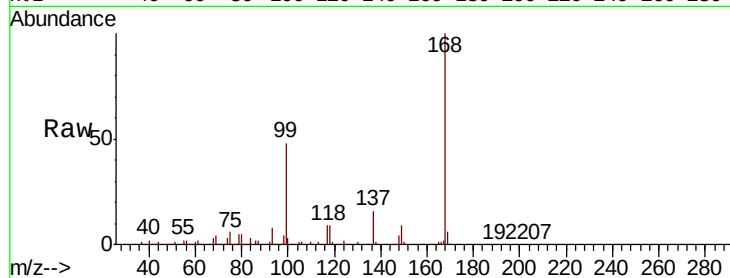
ClientSampleId :

Tot Ion:168 Resp: 464591

Ion Ratio Lower Upper

168 100

99 48.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

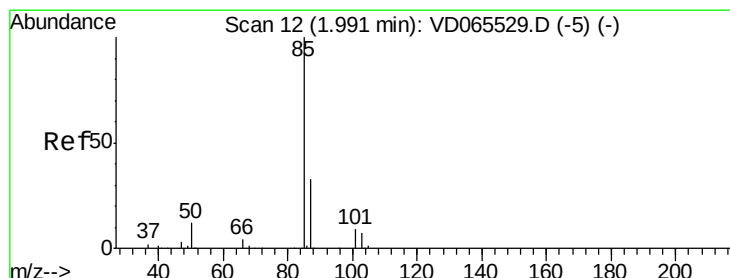
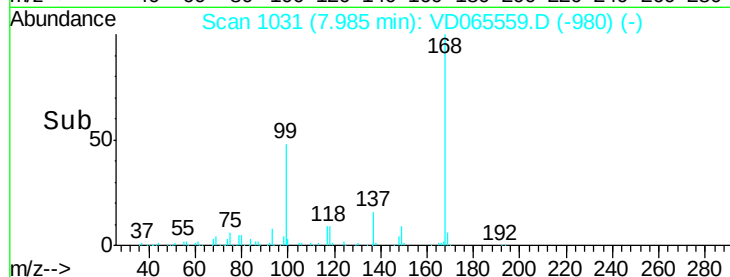
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065559.D

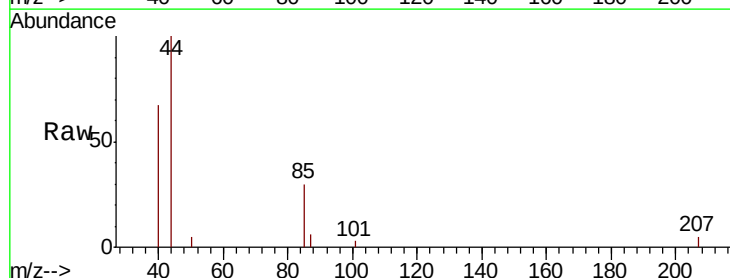
Acq: 31 Mar 2020 11:49

Tgt Ion: 85 Resp: 3181

Ion Ratio Lower Upper

85 100

87 19.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

2500

2000

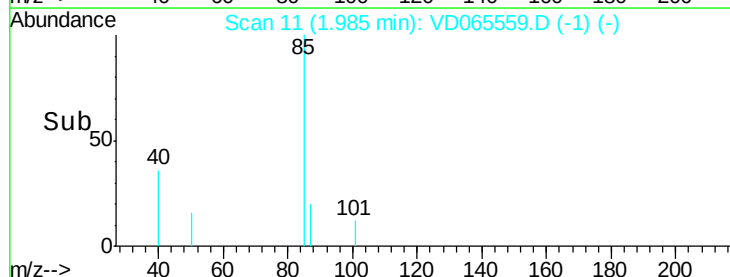
1500

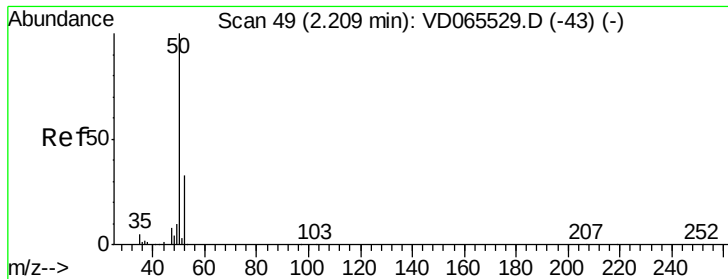
1000

500

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065559.D

Acq: 31 Mar 2020 11:49

Instrument :

MSVOA_D

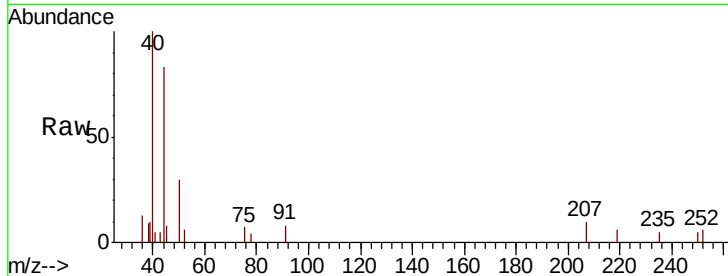
ClientSampleId :

Tot Ion: 50 Resp: 1705

Ion Ratio Lower Upper

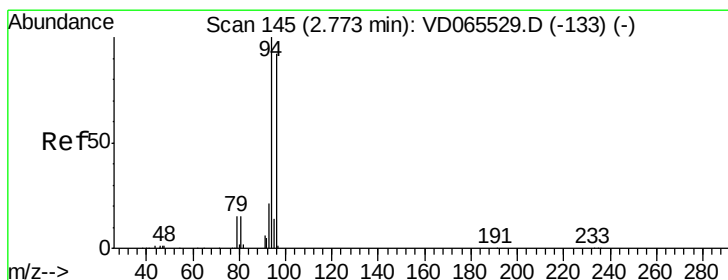
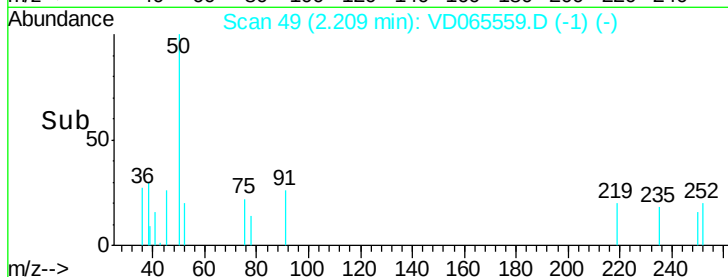
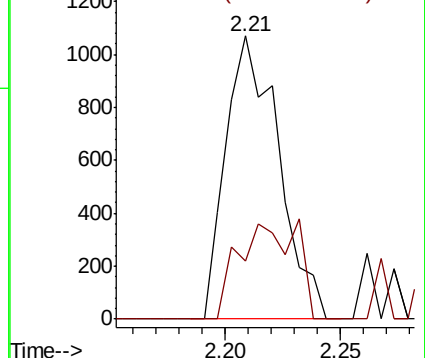
50 100

52 20.4 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# 147

Delta R.T. 0.01 min

Lab File: VD065559.D

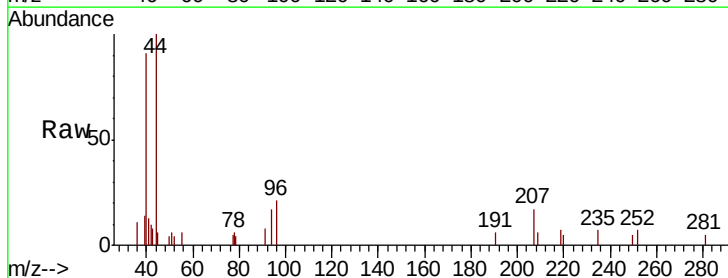
Acq: 31 Mar 2020 11:49

Tgt Ion: 94 Resp: 1515

Ion Ratio Lower Upper

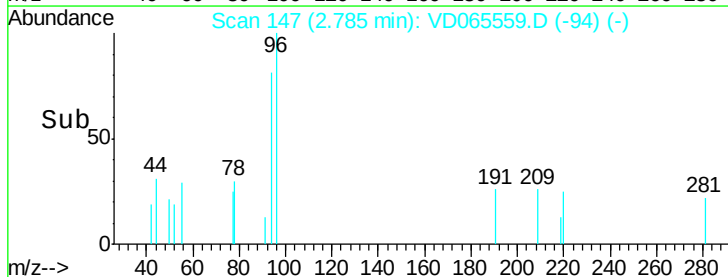
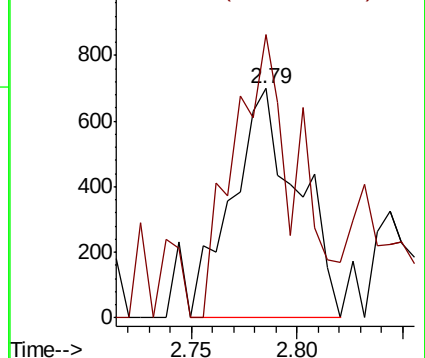
94 100

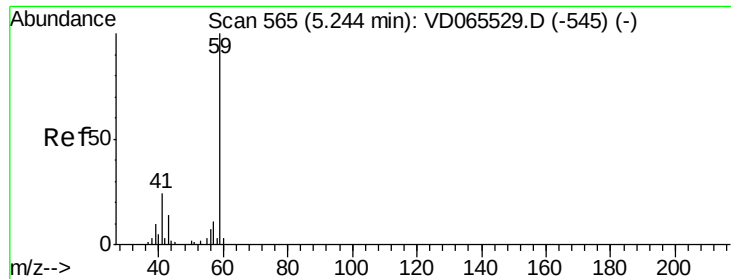
96 123.3 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



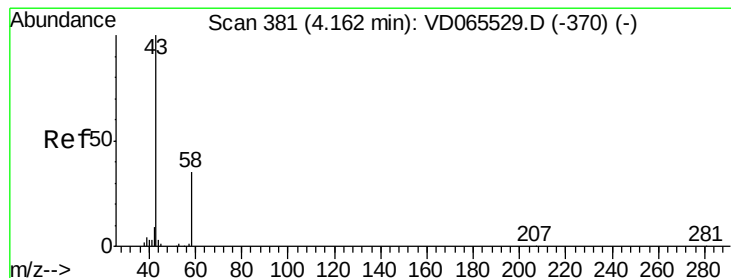
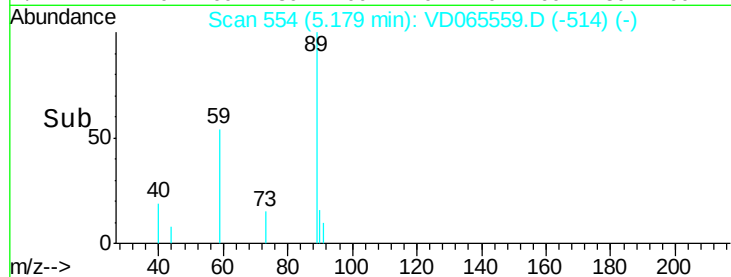
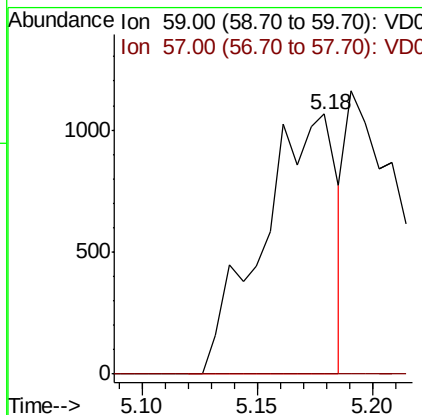
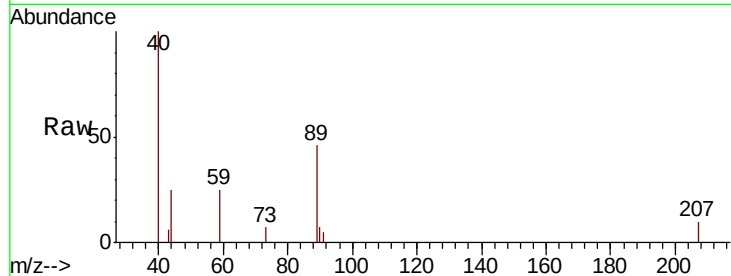


#11

Tert butyl alcohol
 Concen: 10.939 ug/l
 RT: 5.18 min Scan# 554
 Delta R.T. -0.06 min
 Lab File: VD065559.D
 Acq: 31 Mar 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :

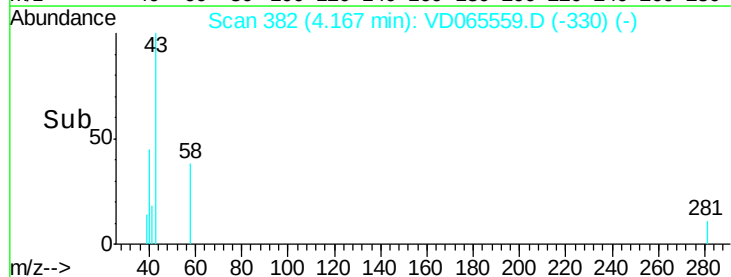
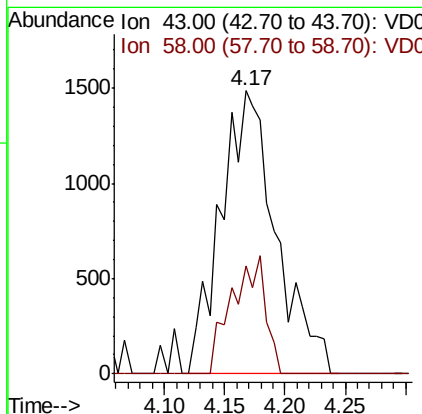
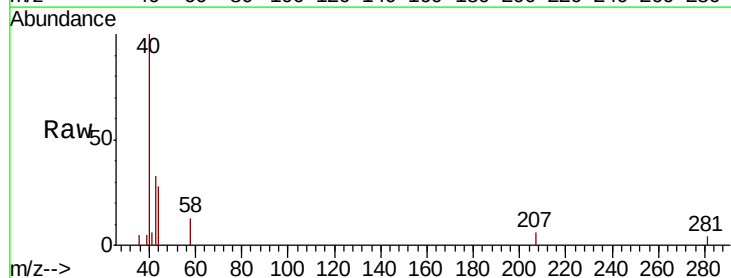
Tot Ion: 59 Resp: 2379
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

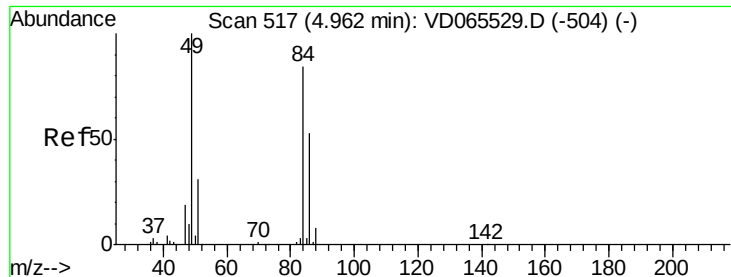


#16

Acetone
 Concen: 6.509 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD065559.D
 Acq: 31 Mar 2020 11:49

Tgt Ion: 43 Resp: 4750
 Ion Ratio Lower Upper
 43 100
 58 38.0 27.9 41.9

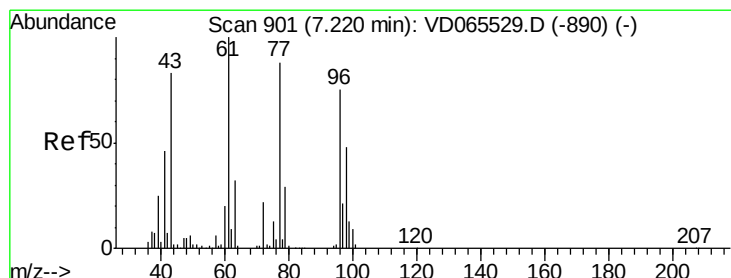
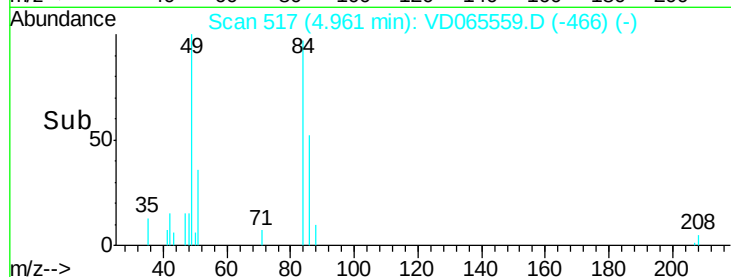
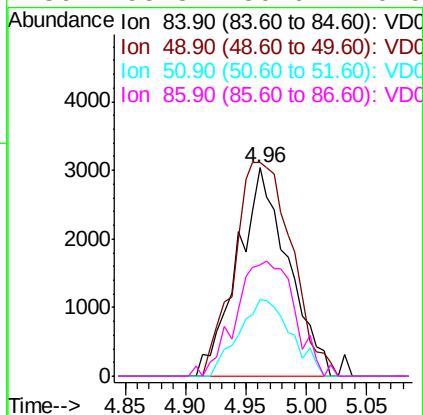
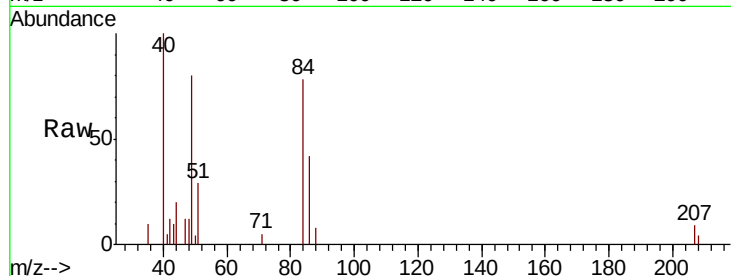




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065559.D
Acq: 31 Mar 2020 11:49

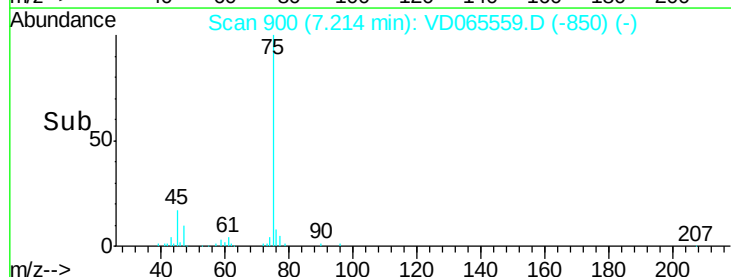
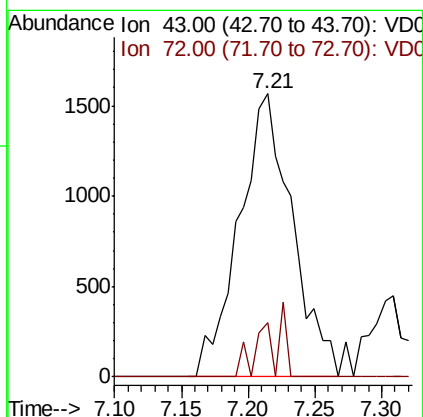
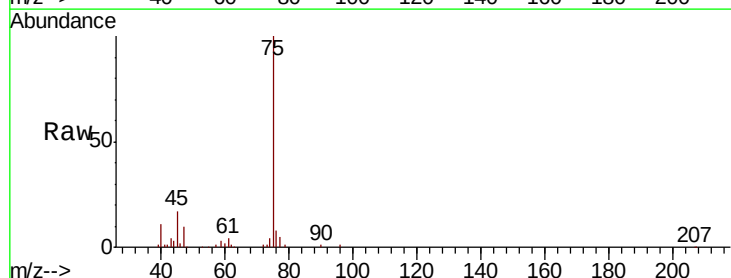
Instrument :
MSVOA_D
ClientSampleId :

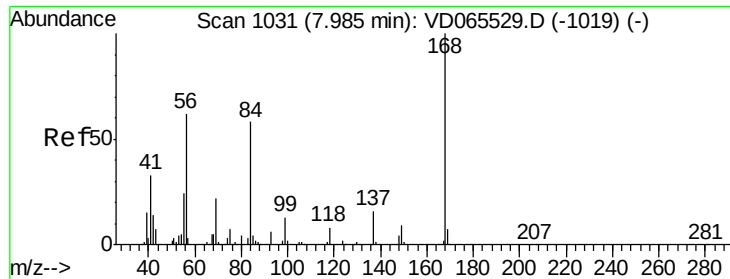
Tot Ion: 84 Resp: 8905
Ion Ratio Lower Upper
84 100
49 102.6 95.6 143.4
51 37.1 29.4 44.2
86 53.8 50.6 76.0



#25
2-Butanone
Concen: 4.353 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD065559.D
Acq: 31 Mar 2020 11:49

Tgt Ion: 43 Resp: 4314
Ion Ratio Lower Upper
43 100
72 19.3 21.5 32.3#

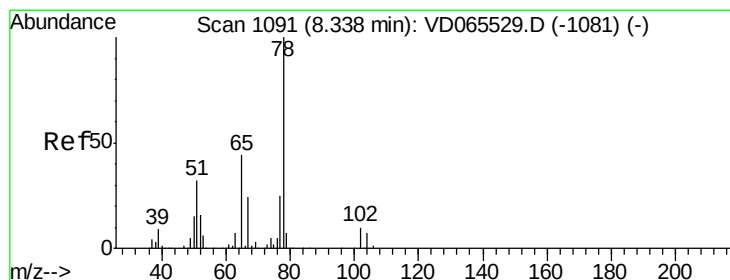
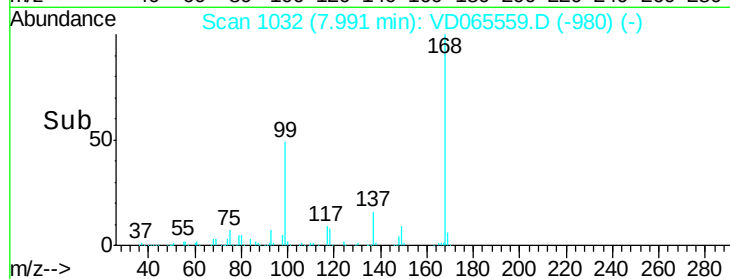
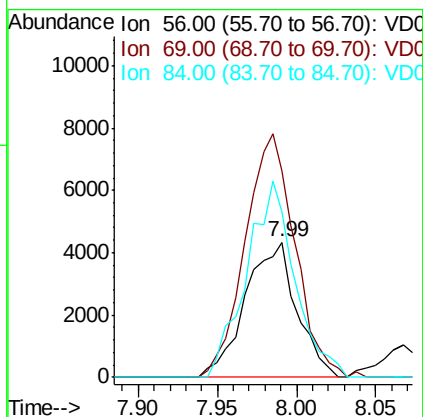
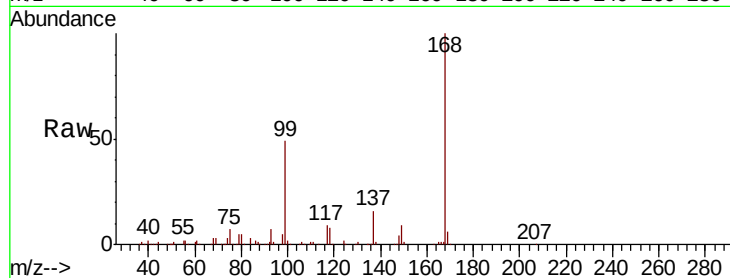




#31
Cyclohexane
Concen: 1.342 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065559.D
Acq: 31 Mar 2020 11:49

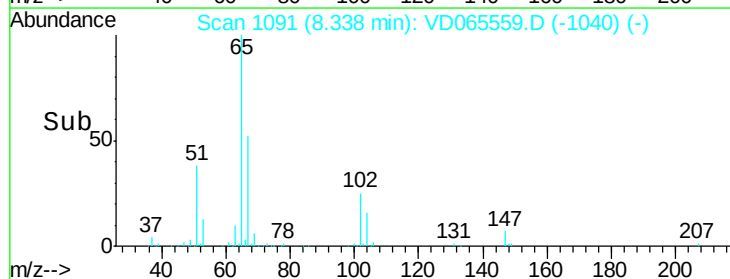
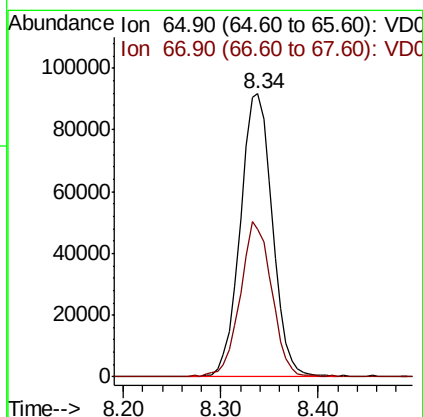
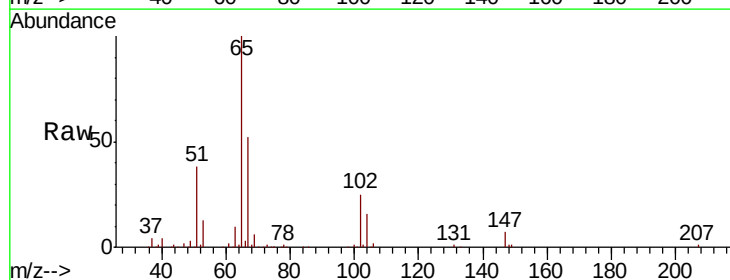
Instrument :
MSVOA_D
ClientSampleId :

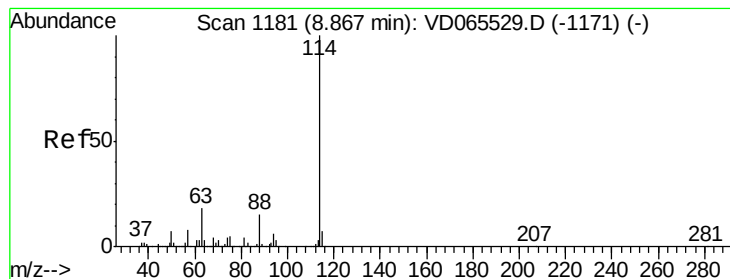
Tot Ion: 56 Resp: 9759
Ion Ratio Lower Upper
56 100
69 153.4 28.2 42.4#
84 122.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.237 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065559.D
Acq: 31 Mar 2020 11:49

Tgt Ion: 65 Resp: 209754
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065559.D

Acq: 31 Mar 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

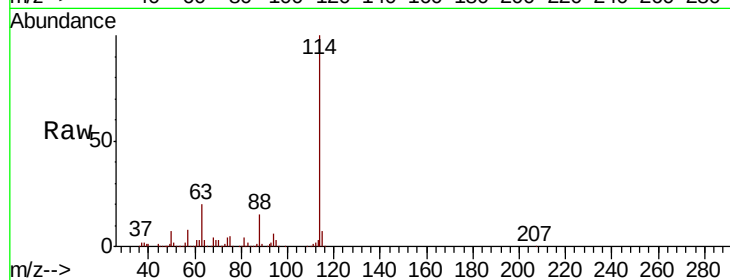
Tot Ion:114 Resp: 734856

Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.0

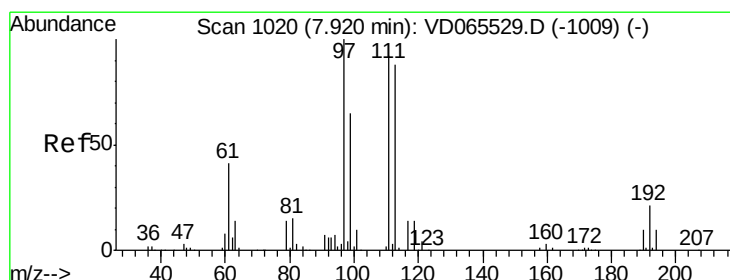
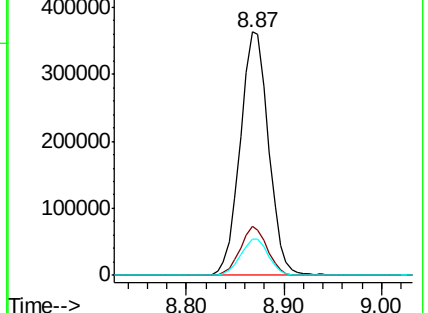
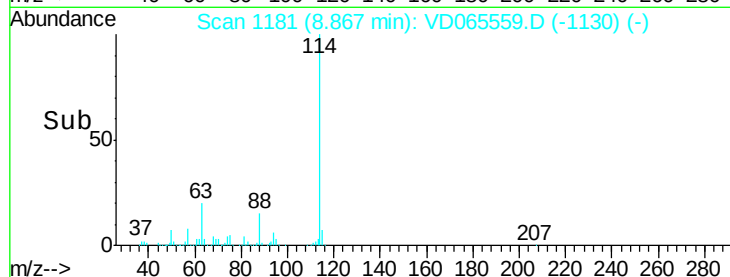
88 14.7 0.0 30.4



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: 49.451 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065559.D

Acq: 31 Mar 2020 11:49

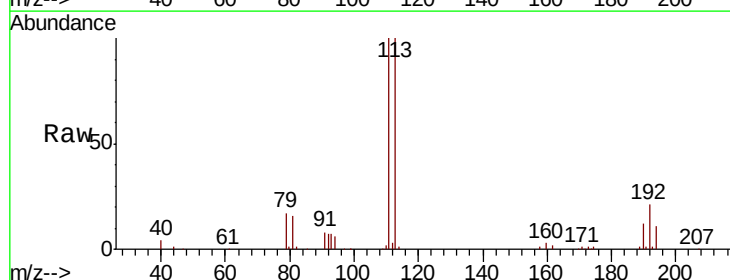
Tgt Ion:113 Resp: 224305

Ion Ratio Lower Upper

113 100

111 101.3 83.3 124.9

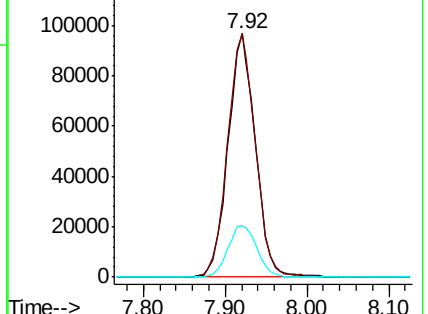
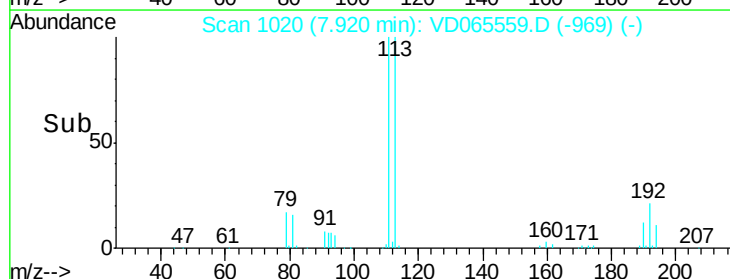
192 22.6 18.5 27.7

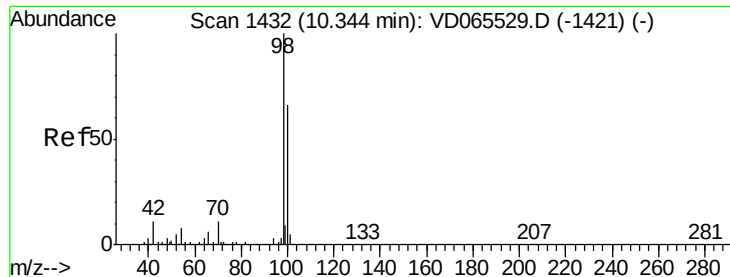


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

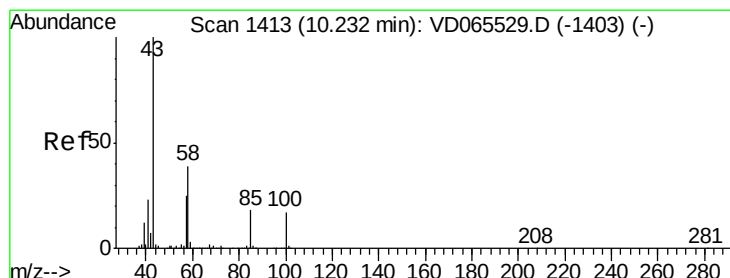
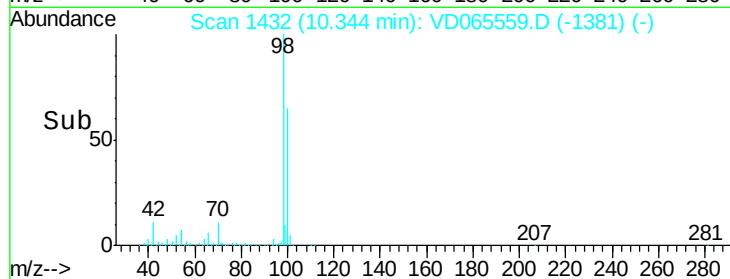
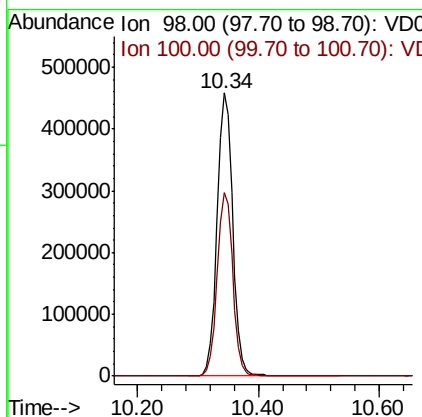
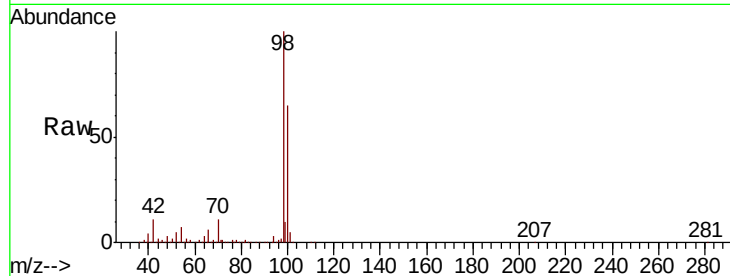




#50
Toluene-d8
Concen: 47.764 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065559.D
Acq: 31 Mar 2020 11:49

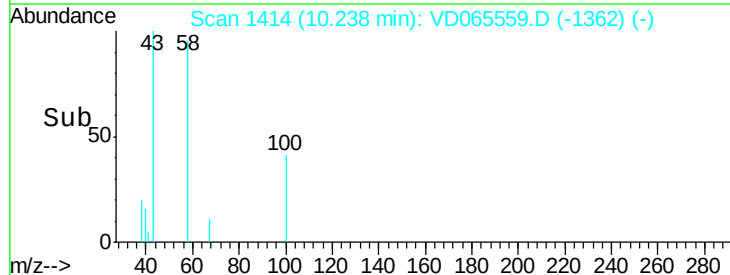
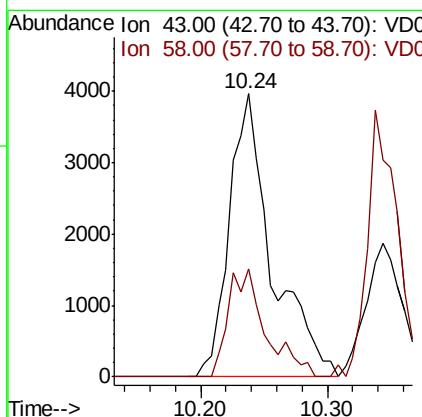
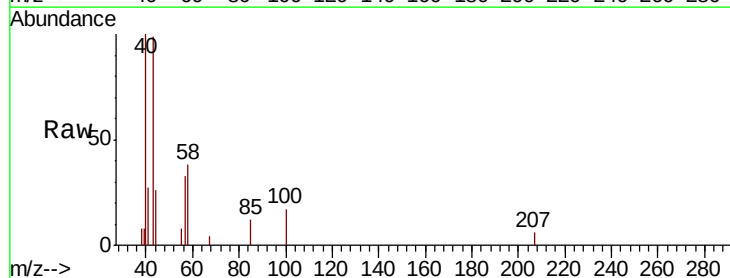
Instrument :
MSVOA_D
ClientSampleId :

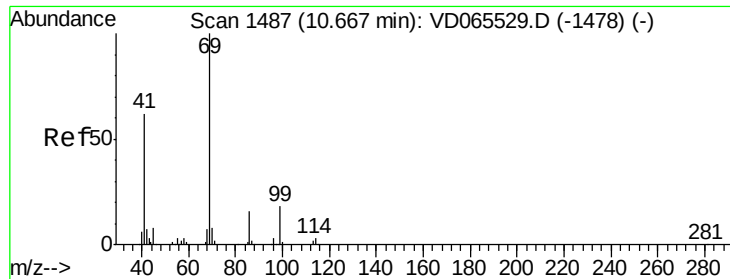
Tot Ion: 98 Resp: 813371
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 3.903 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD065559.D
Acq: 31 Mar 2020 11:49

Tgt Ion: 43 Resp: 9193
Ion Ratio Lower Upper
43 100
58 33.3 31.4 47.2





#56

Ethyl methacrylate

Concen: 3.309 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD065559.D

Acq: 31 Mar 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

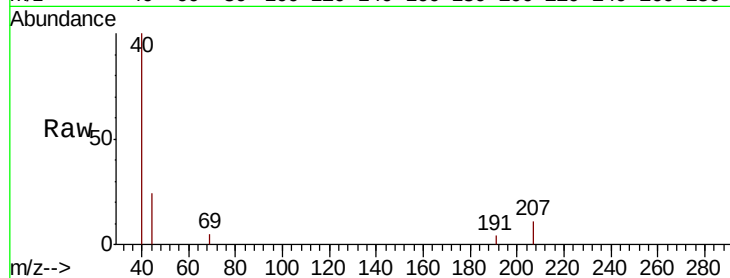
Tot Ion: 69 Resp: 76

Ion Ratio Lower Upper

69 100

41 78.9 51.3 76.9#

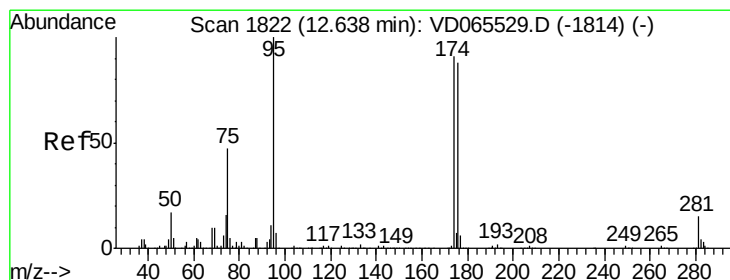
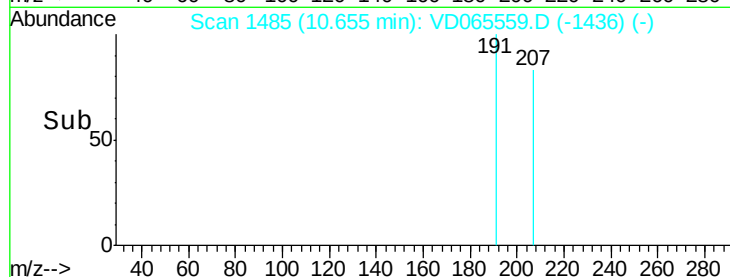
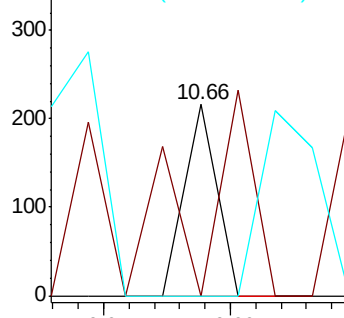
39 0.0 25.3 37.9#



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



#62

4-Bromofluorobenzene

Concen: 42.780 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065559.D

Acq: 31 Mar 2020 11:49

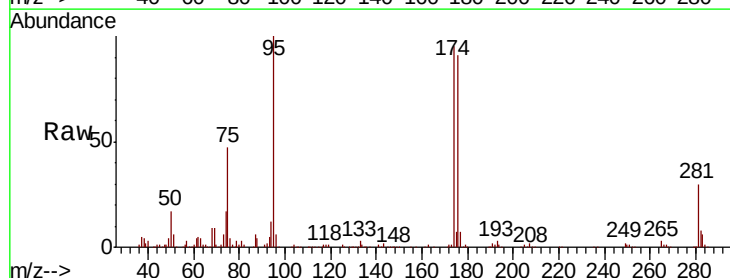
Tgt Ion: 95 Resp: 231220

Ion Ratio Lower Upper

95 100

174 92.9 0.0 183.8

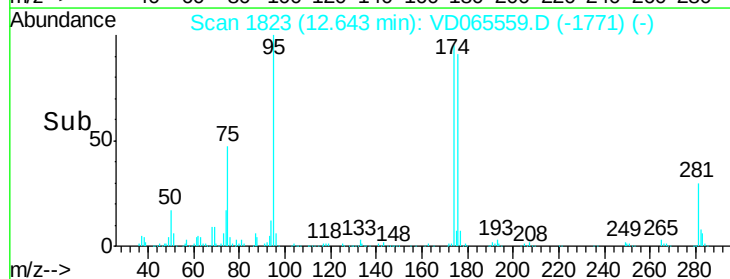
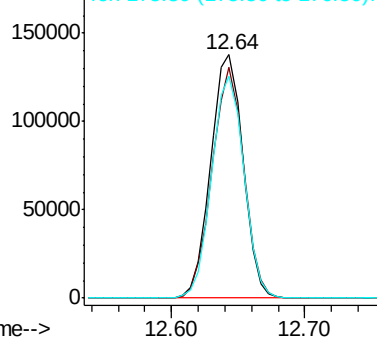
176 90.6 0.0 178.2

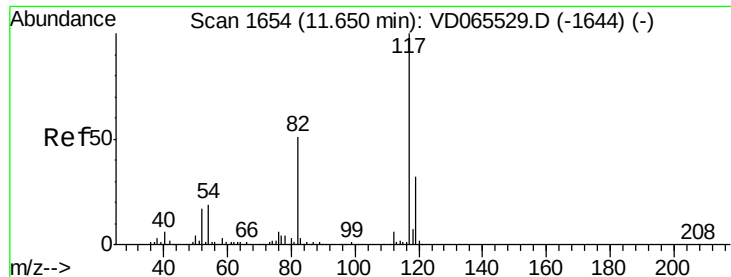


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

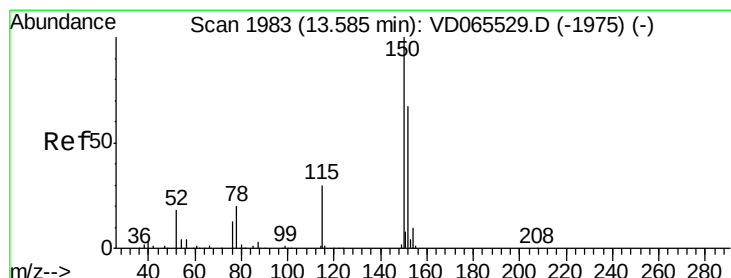
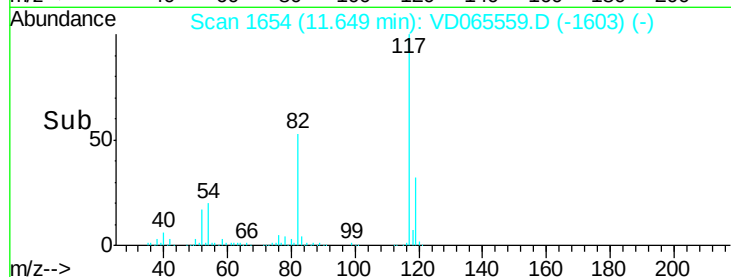
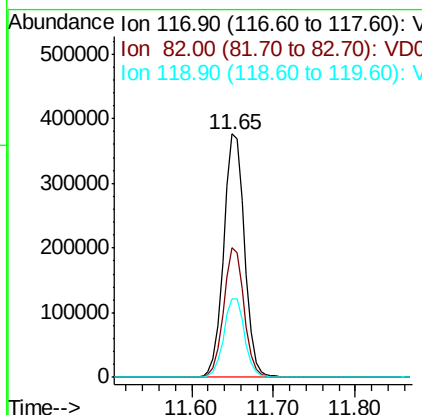
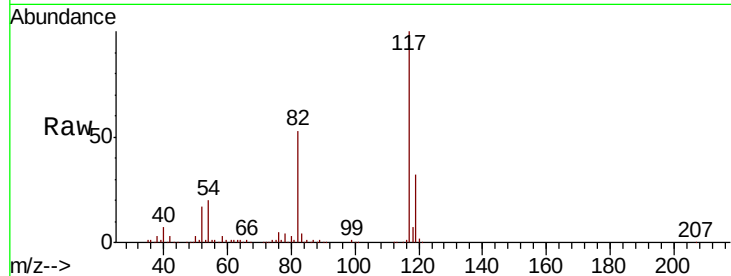




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065559.D
Acq: 31 Mar 2020 11:49

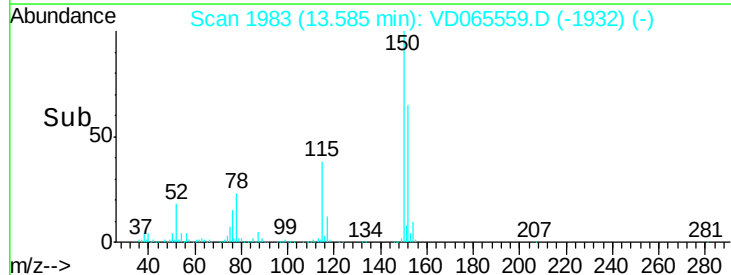
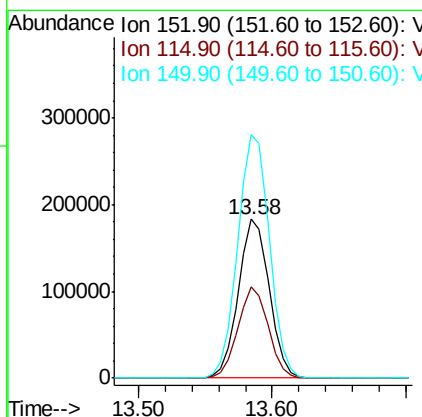
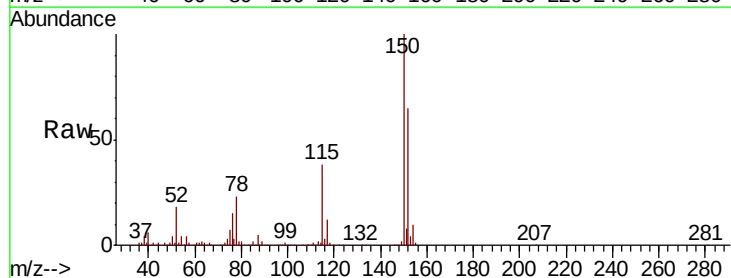
Instrument :
MSVOA_D
ClientSampleId :

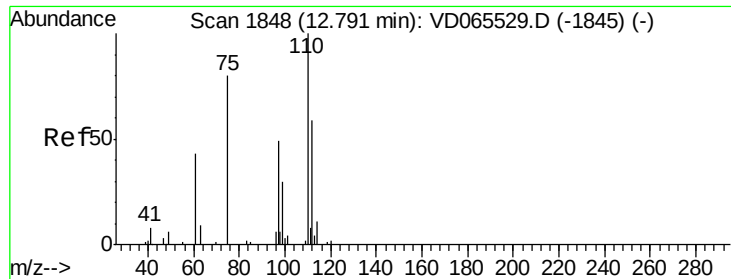
Tot Ion:117 Resp: 666602
Ion Ratio Lower Upper
117 100
82 53.5 41.0 61.6
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065559.D
Acq: 31 Mar 2020 11:49

Tgt Ion:152 Resp: 292886
Ion Ratio Lower Upper
152 100
115 56.2 27.2 81.6
150 157.1 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 49.464 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065559.D

Acq: 31 Mar 2020 11:49

Instrument :

MSVOA_D

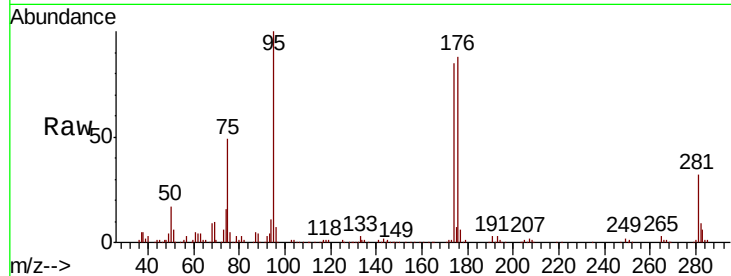
ClientSampleId :

Tot Ion: 75 Resp: 111379

Ion Ratio Lower Upper

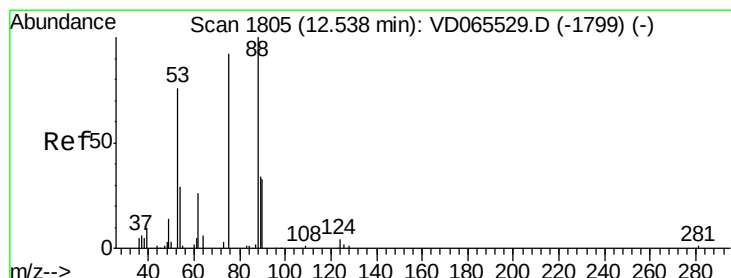
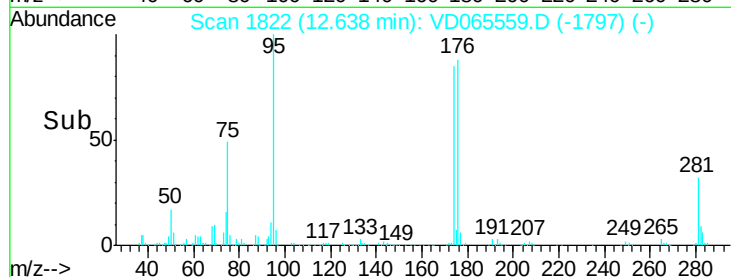
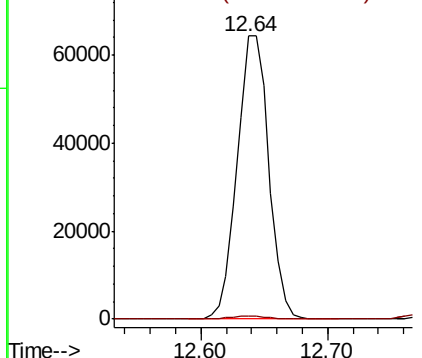
75 100

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: 110.412 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065559.D

Acq: 31 Mar 2020 11:49

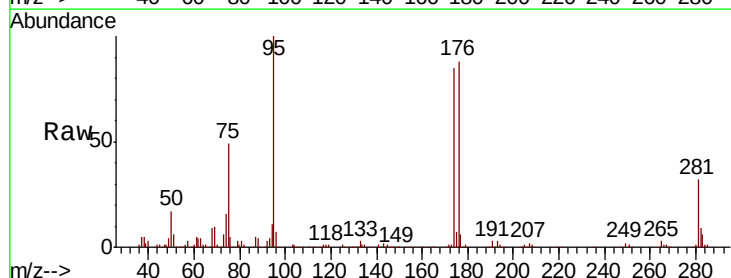
Tgt Ion: 75 Resp: 111379

Ion Ratio Lower Upper

75 100

53 0.1 72.4 108.6#

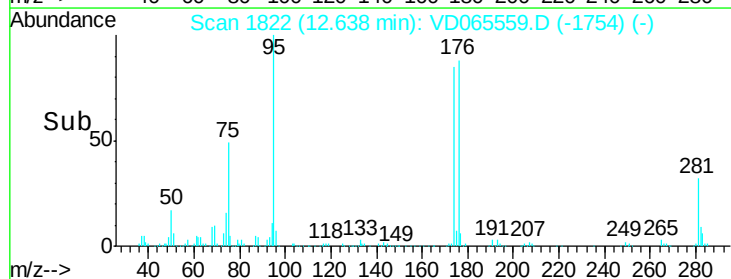
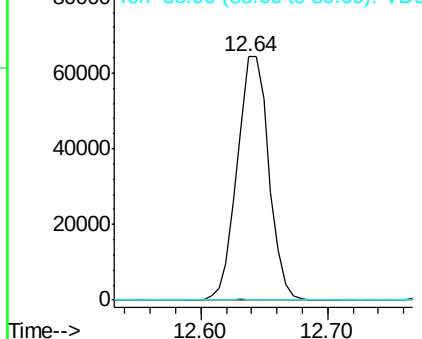
89 0.2 36.9 55.3#

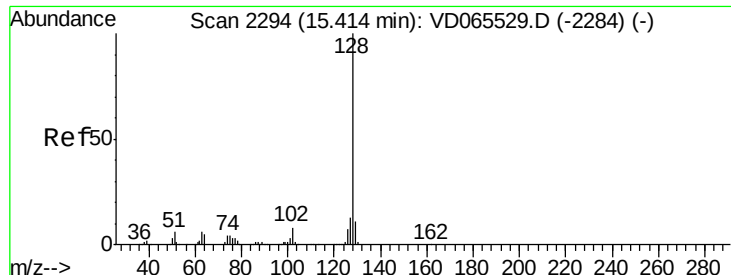


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.735 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD065559.D

Acq: 31 Mar 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

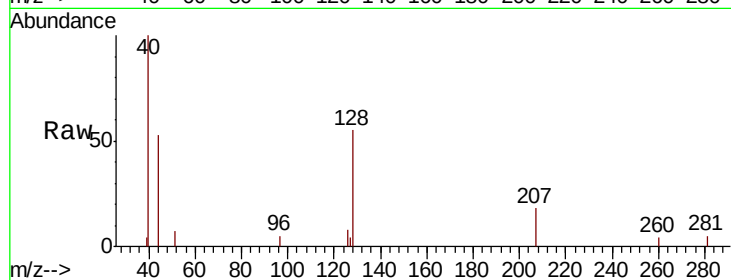
Tot Ion:128 Resp: 4082

Ion Ratio Lower Upper

128 100

127 9.1 10.4 15.6#

129 3.3 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

