

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071020\
 Data File : VD065947.D
 Acq On : 10 Jul 2020 14:32
 Operator : VA/SY
 Sample : L3184-01
 Misc : 7.24G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 11 04:30:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

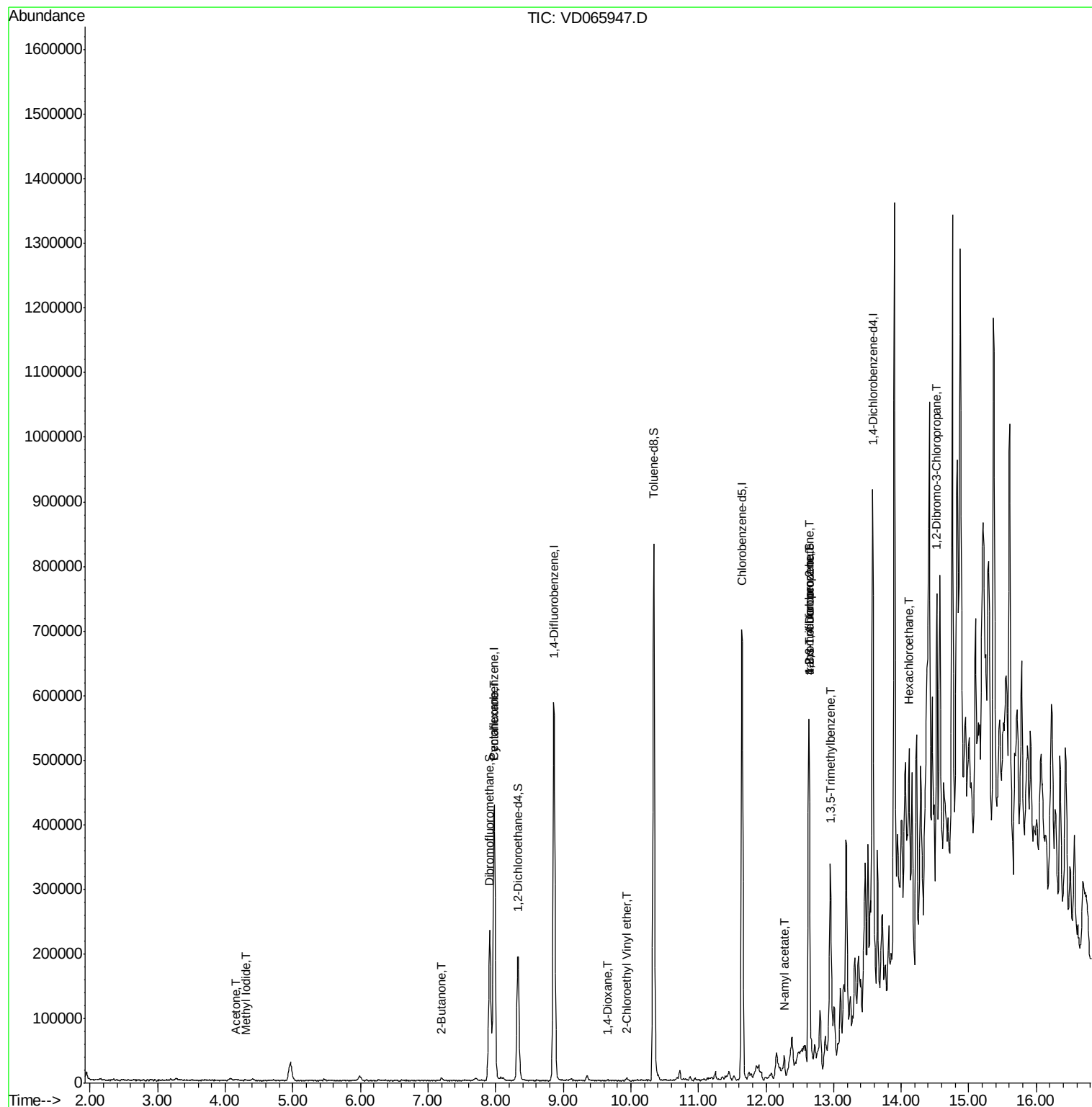
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	337026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	523242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	424924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177188	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	155096	51.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.86%	
35) Dibromofluoromethane	7.91	113	166455	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
50) Toluene-d8	10.34	98	575223	48.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.63	95	175541	43.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.80%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.31	142	1021	2.776	ug/l #	82
11) Tert butyl alcohol	5.22	59	78	Below Cal	#	71
13) Acrolein	3.92	56	68	Below Cal	#	15
16) Acetone	4.16	43	4377	6.253	ug/l	93
20) Methylene Chloride	4.96	84	22733	Below Cal		90
25) 2-Butanone	7.21	43	1027	1.110	ug/l #	47
31) Cyclohexane	7.97	56	8587	1.407	ug/l #	13
49) 1,4-Dioxane	9.65	88	71	3.239	ug/l #	11
58) 2-Chloroethyl Vinyl ether	9.94	63	1685	1.121	ug/l	98
74) N-amyl acetate	12.27	43	7552	2.722	ug/l #	56
76) 1,2,3-Trichloropropane	12.63	75	85357	57.426	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.96	105	11339	1.121	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.63	75	85357	123.393	ug/l #	12
90) Hexachloroethane	14.12	117	6702	2.975	ug/l #	19
92) 1,2-Dibromo-3-Chloropropan	14.53	75	831	2.421	ug/l #	28

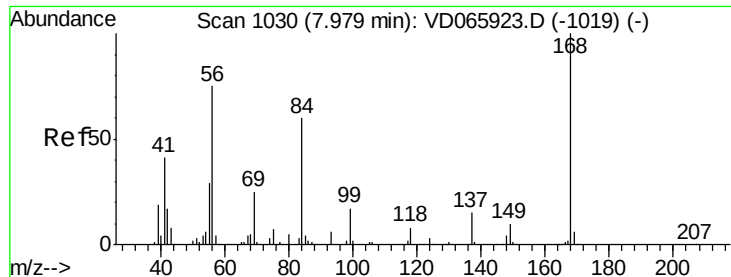
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Jul 11 04:30:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:45:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065947.D

Acq: 10 Jul 2020 14:32

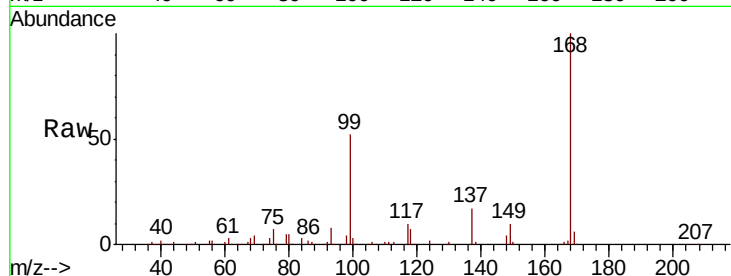
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 337026

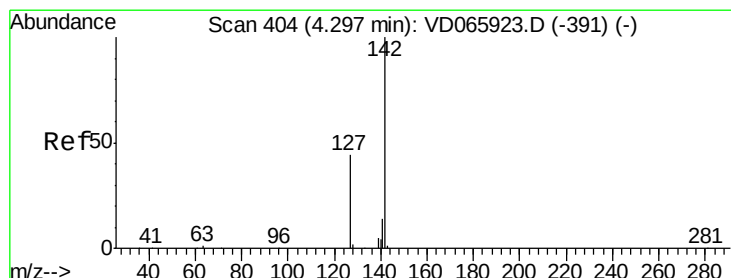
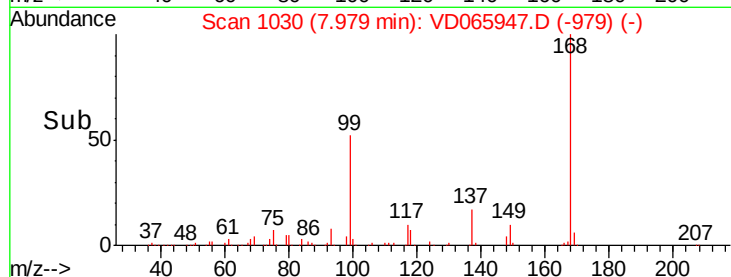
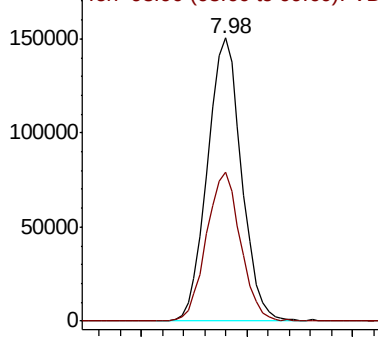
Ion Ratio Lower Upper

168 100

99 52.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 2.776 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD065947.D

Acq: 10 Jul 2020 14:32

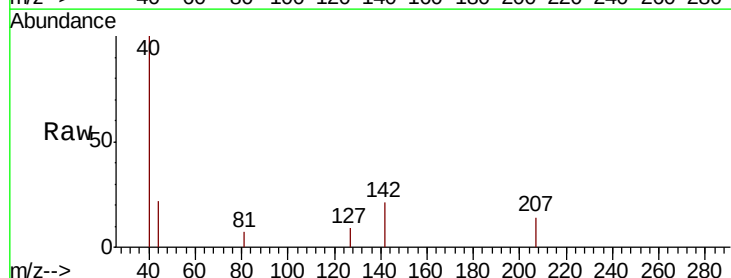
Tgt Ion:142 Resp: 1021

Ion Ratio Lower Upper

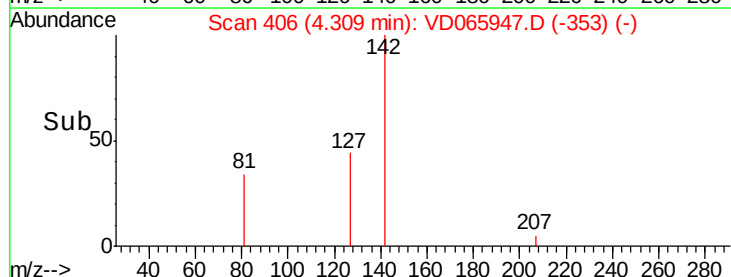
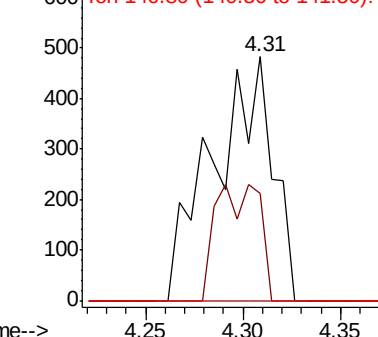
142 100

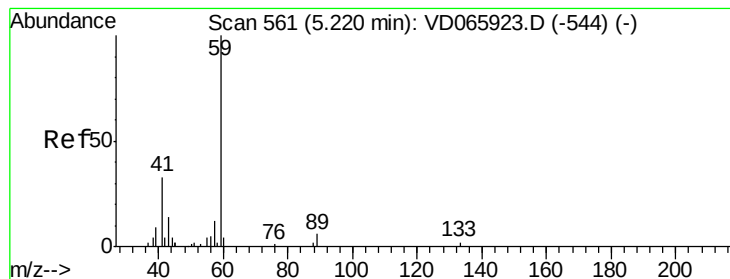
127 35.3 34.6 51.8

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



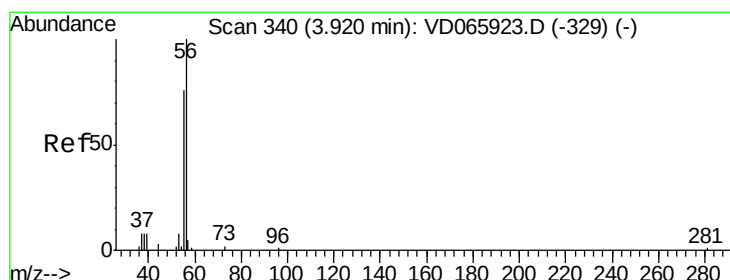
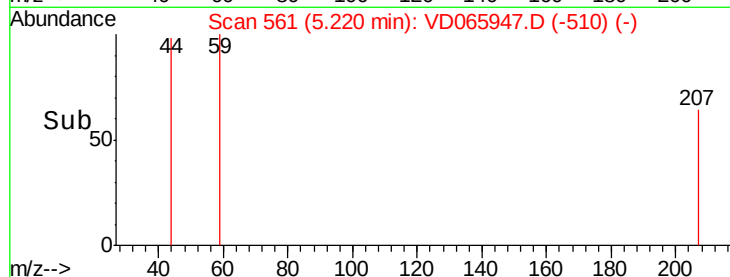
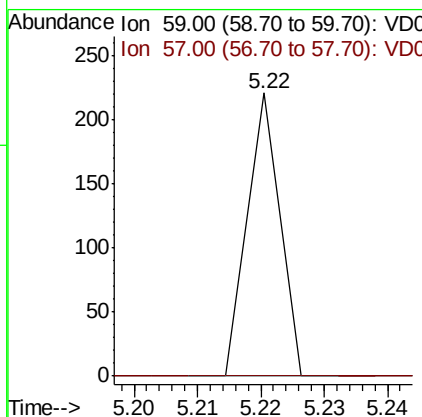
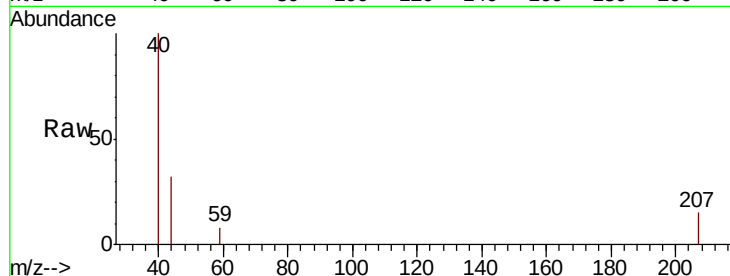


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065947.D
 Acq: 10 Jul 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :

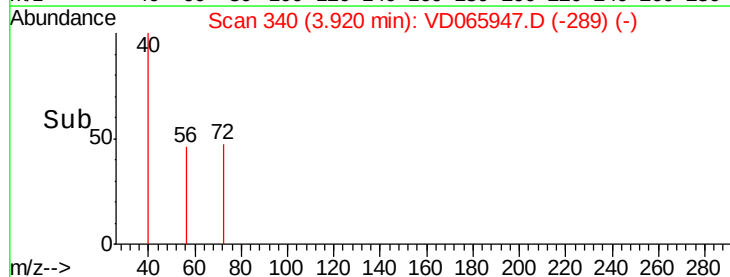
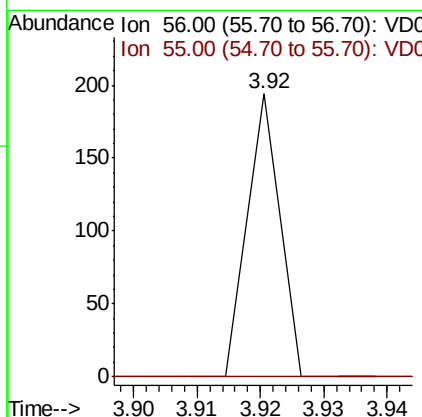
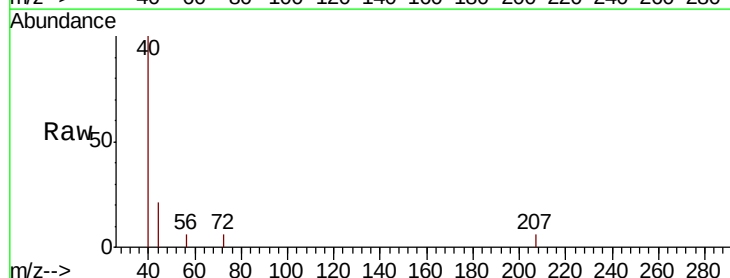
Tot Ion: 59 Resp: 78
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

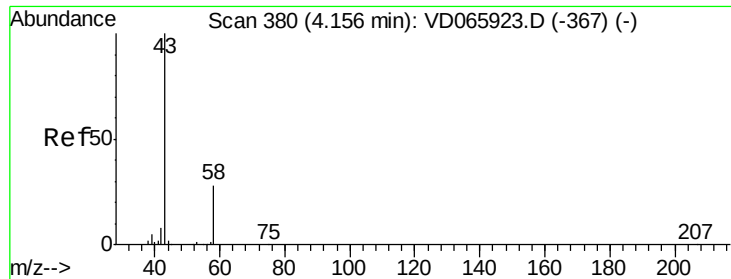


#13

Acrolein
 Concen: Below Cal
 RT: 3.92 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VD065947.D
 Acq: 10 Jul 2020 14:32

Tgt Ion: 56 Resp: 68
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.0 82.6#





#16

Acetone

Concen: 6.253 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065947.D

Acq: 10 Jul 2020 14:32

Instrument :

MSVOA_D

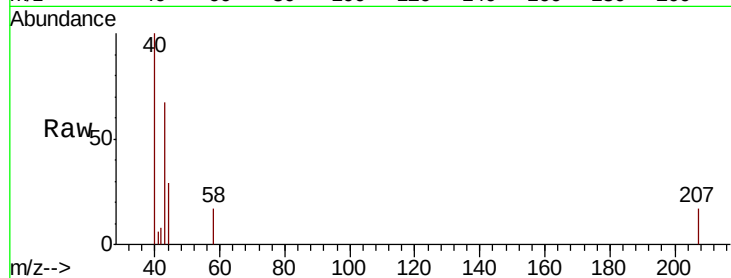
ClientSampleId :

Tot Ion: 43 Resp: 4377

Ion Ratio Lower Upper

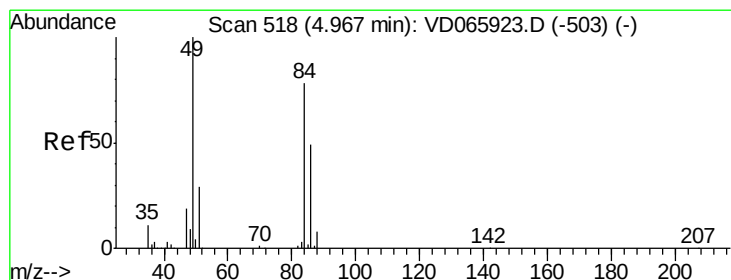
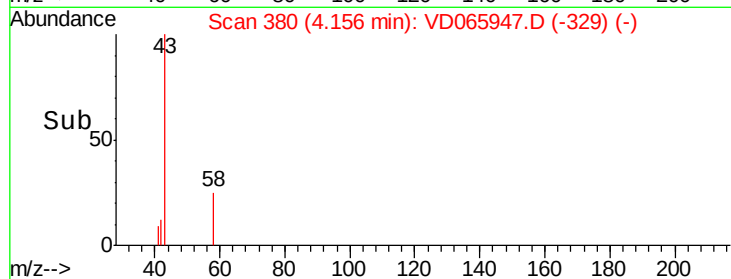
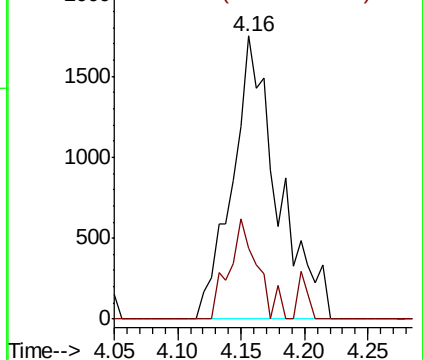
43 100

58 24.9 22.7 34.1



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. -0.01 min

Lab File: VD065947.D

Acq: 10 Jul 2020 14:32

Tgt Ion: 84 Resp: 22733

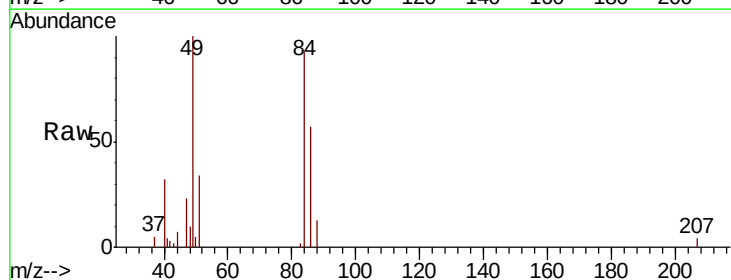
Ion Ratio Lower Upper

84 100

49 107.3 102.2 153.2

51 36.7 29.8 44.6

86 61.5 50.2 75.2

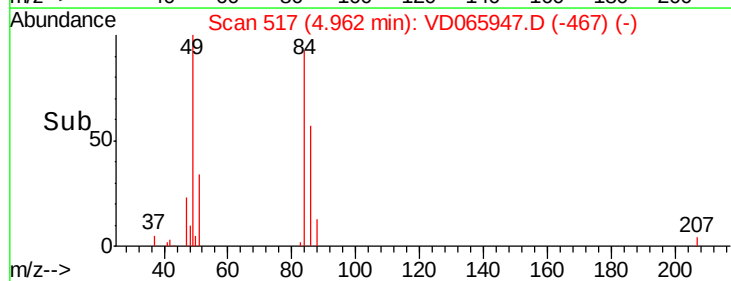
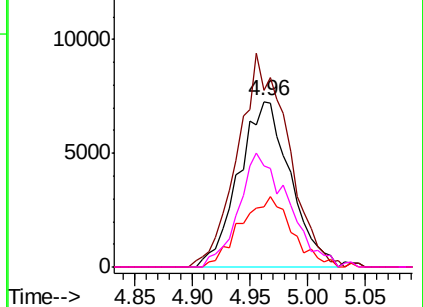


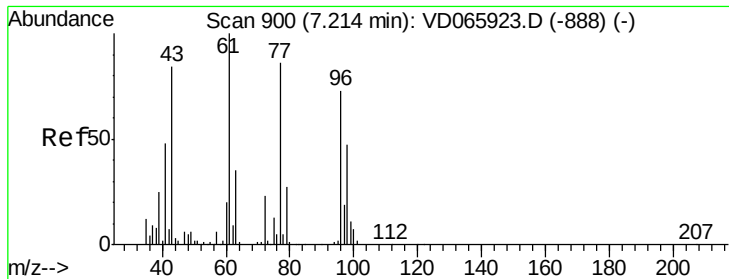
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

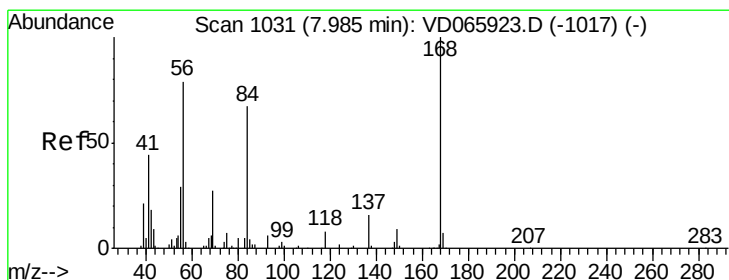
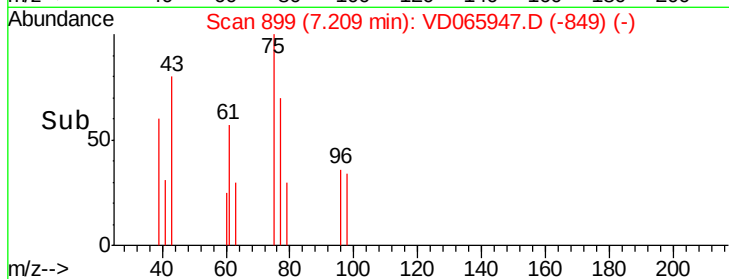
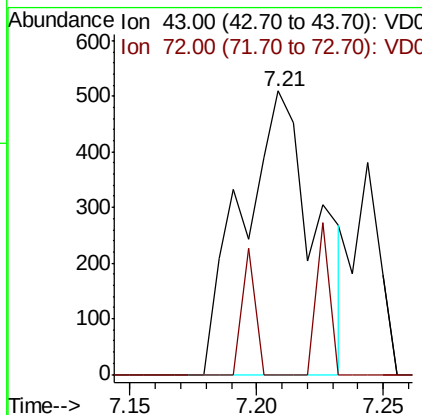
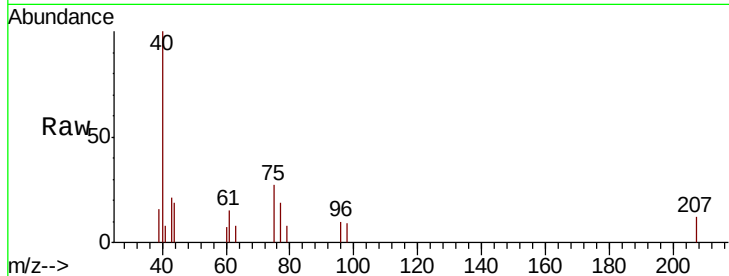




#25
2-Butanone
Concen: 1.110 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065947.D
Acq: 10 Jul 2020 14:32

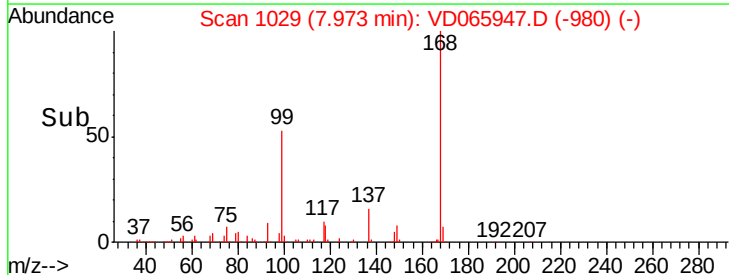
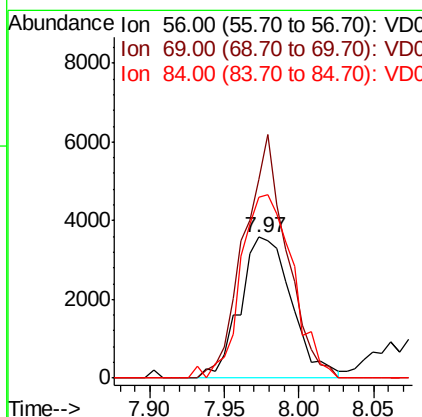
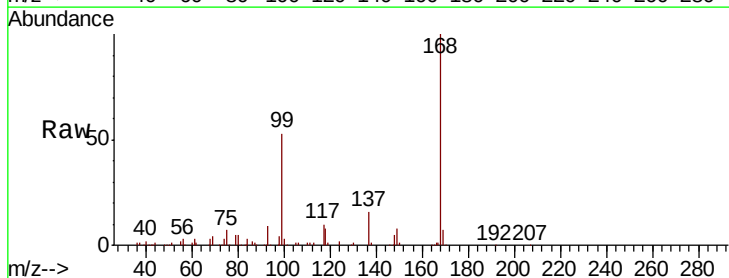
Instrument :
MSVOA_D
ClientSampled :

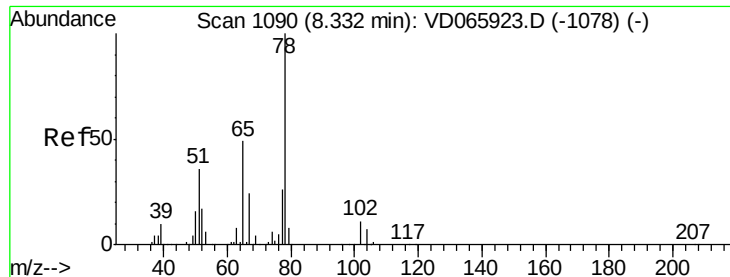
Tot Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
72 0.0 22.1 33.1#



#31
Cyclohexane
Concen: 1.407 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065947.D
Acq: 10 Jul 2020 14:32

Tgt Ion: 56 Resp: 8587
Ion Ratio Lower Upper
56 100
69 141.3 27.4 41.0#
84 128.4 68.6 102.8#

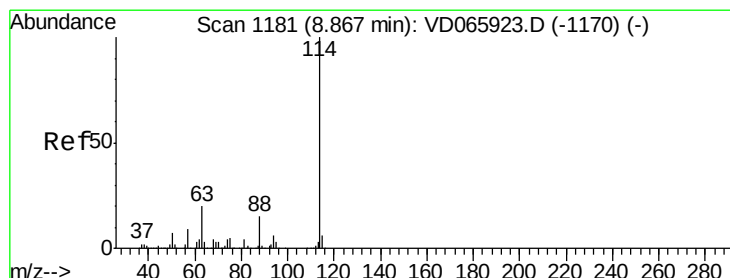
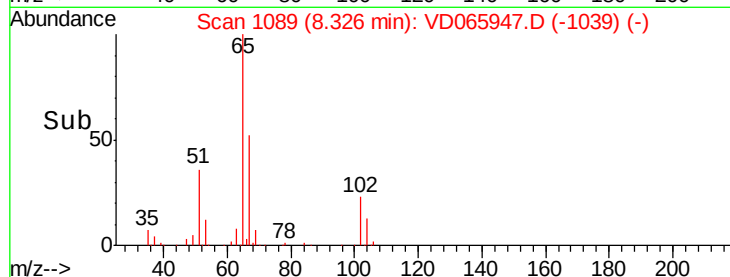
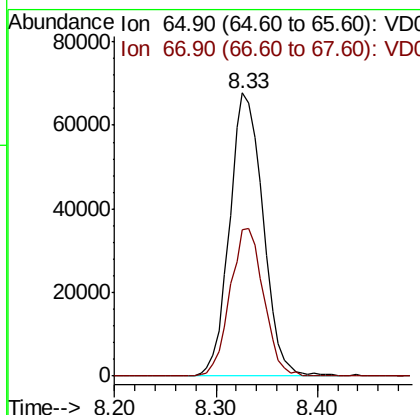
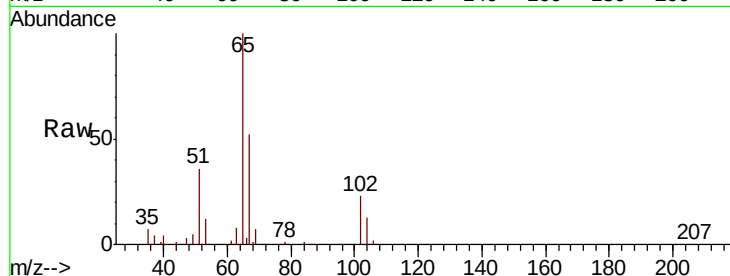




#33
 1,2-Dichloroethane-d4
 Concen: 51.927 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD065947.D
 Acq: 10 Jul 2020 14:32

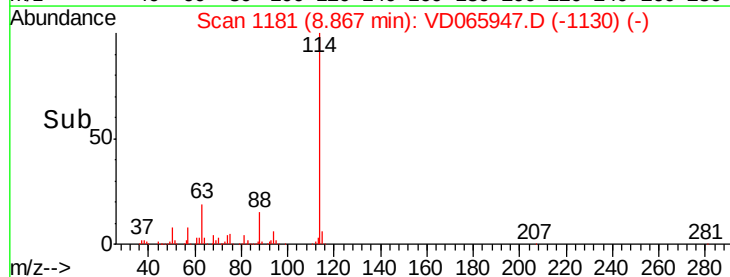
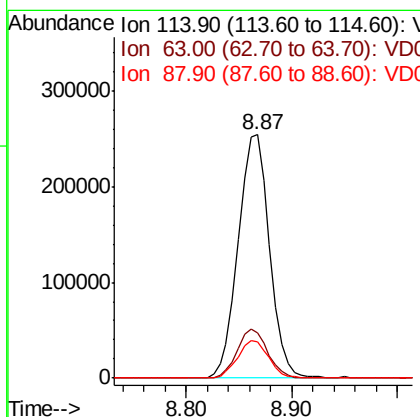
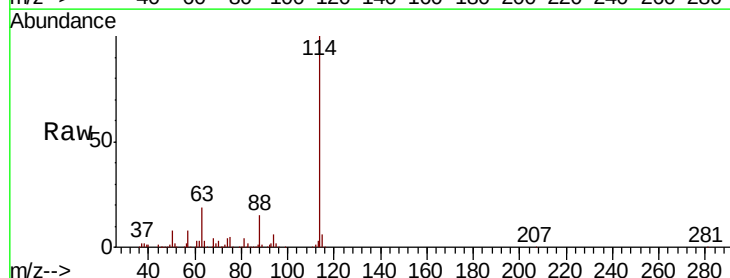
Instrument :
 MSVOA_D
 ClientSampleId :

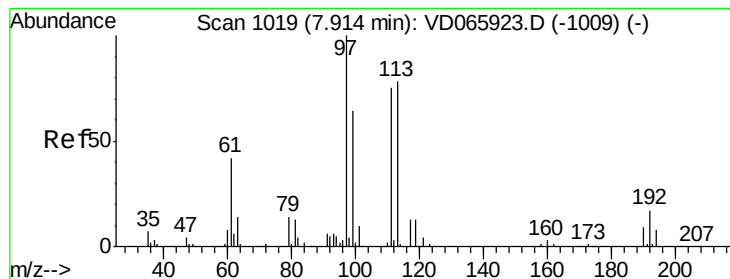
Tot Ion: 65 Resp: 155096
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065947.D
 Acq: 10 Jul 2020 14:32

Tgt Ion: 114 Resp: 523242
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.569 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD065947.D

Acq: 10 Jul 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :

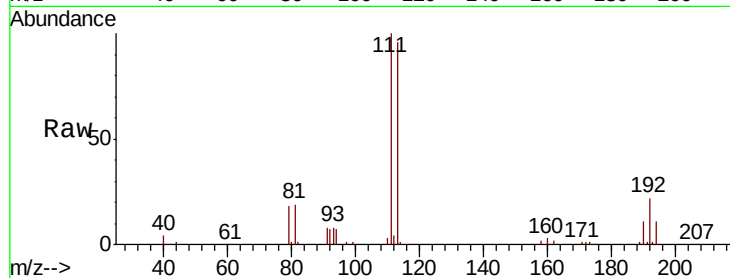
Tot Ion:113 Resp: 166455

Ion Ratio Lower Upper

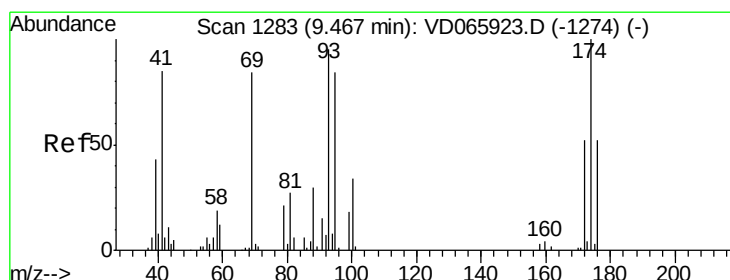
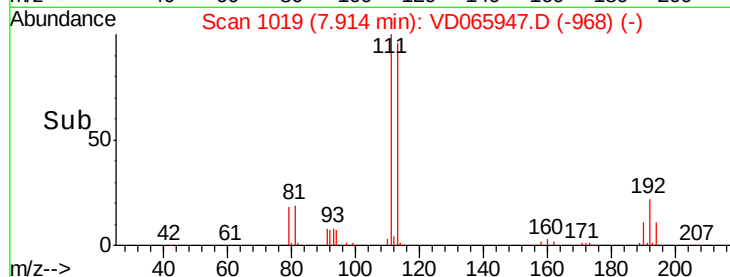
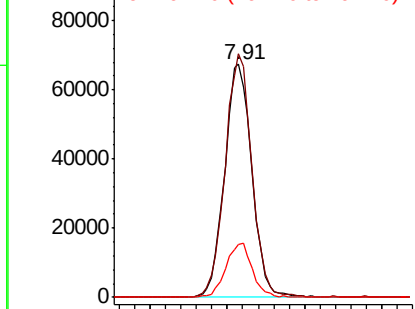
113 100

111 102.2 80.9 121.3

192 22.5 17.1 25.7



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



#49

1,4-Dioxane

Concen: 3.239 ug/l

RT: 9.65 min Scan# 1314

Delta R.T. 0.18 min

Lab File: VD065947.D

Acq: 10 Jul 2020 14:32

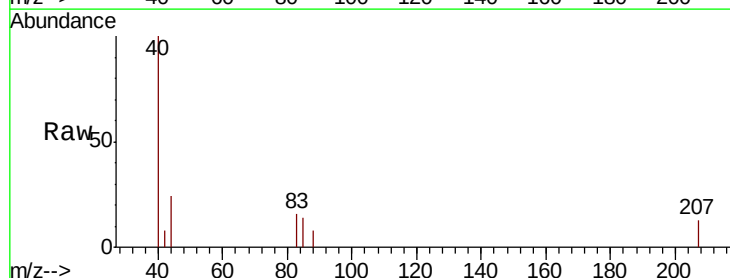
Tgt Ion: 88 Resp: 71

Ion Ratio Lower Upper

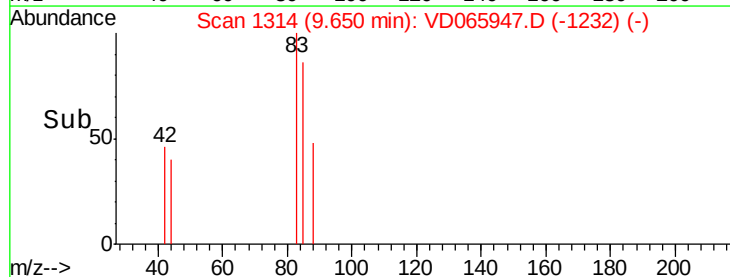
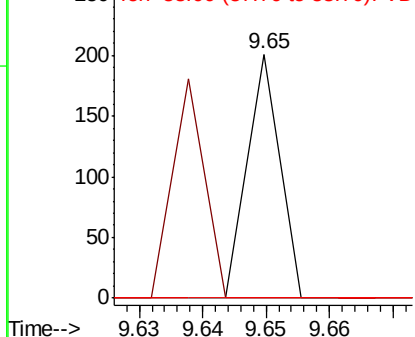
88 100

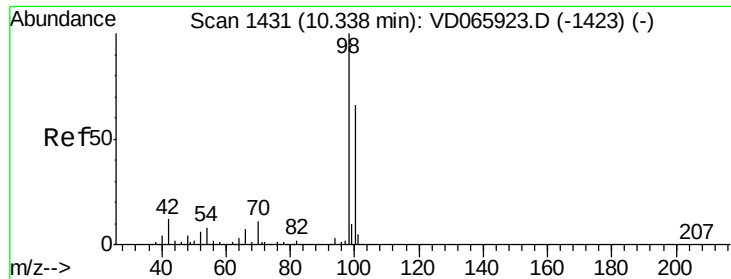
43 90.1 28.2 42.4#

58 0.0 58.6 87.8#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

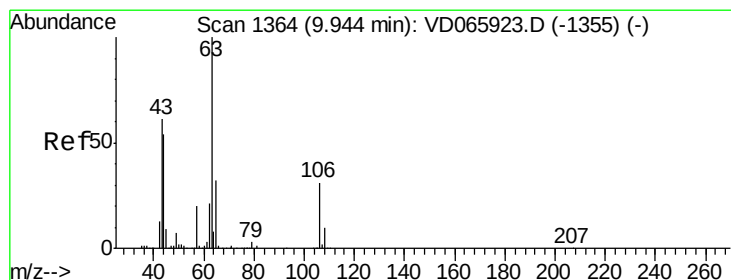
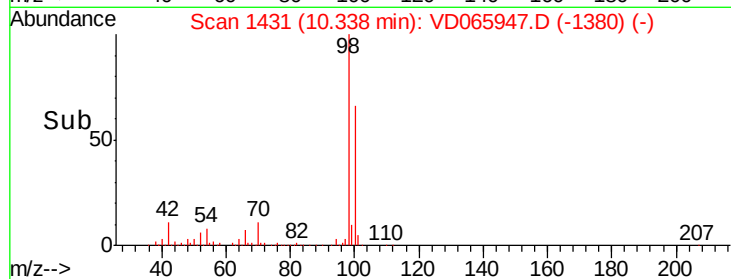
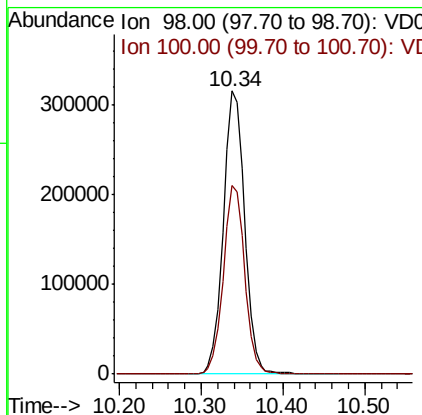
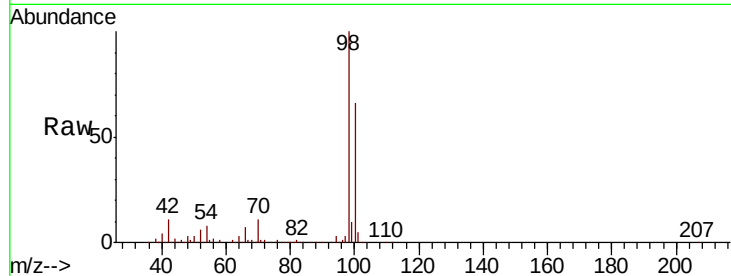




#50
Toluene-d8
Concen: 48.842 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD065947.D
Acq: 10 Jul 2020 14:32

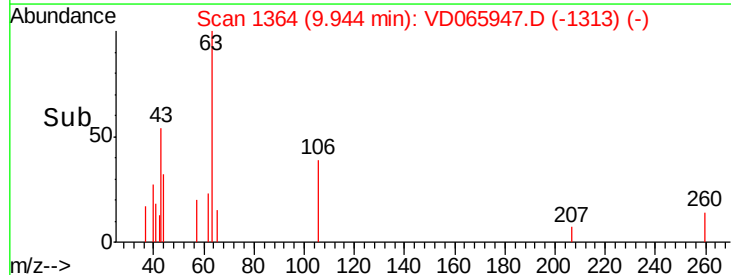
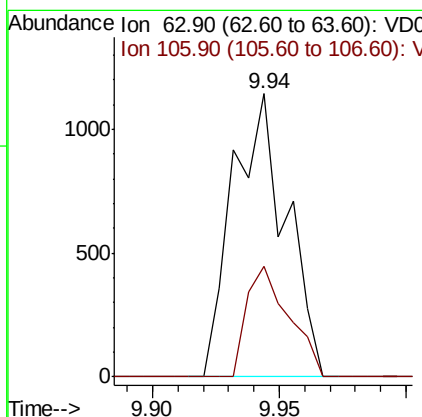
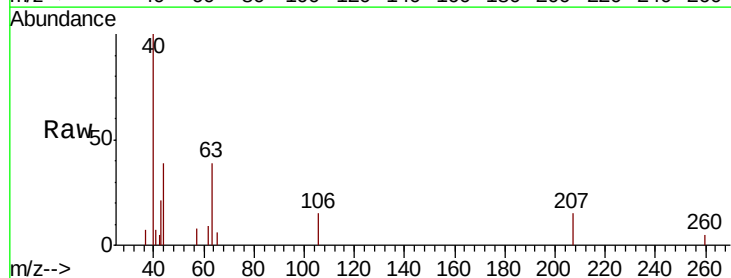
Instrument :
MSVOA_D
ClientSampleId :

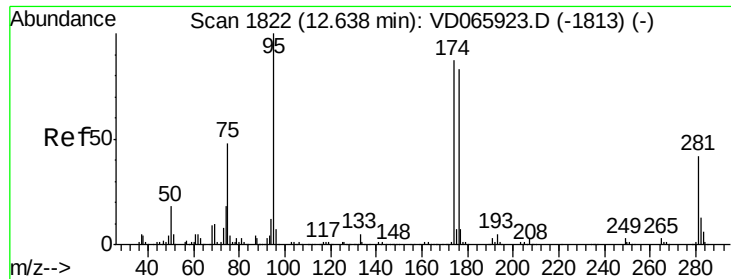
Tot Ion: 98 Resp: 575223
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#58
2-Chloroethyl Vinyl ether
Concen: 1.121 ug/l
RT: 9.94 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VD065947.D
Acq: 10 Jul 2020 14:32

Tgt Ion: 63 Resp: 1685
Ion Ratio Lower Upper
63 100
106 30.9 23.8 35.6

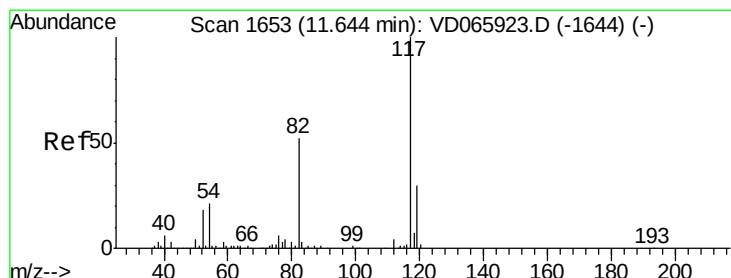
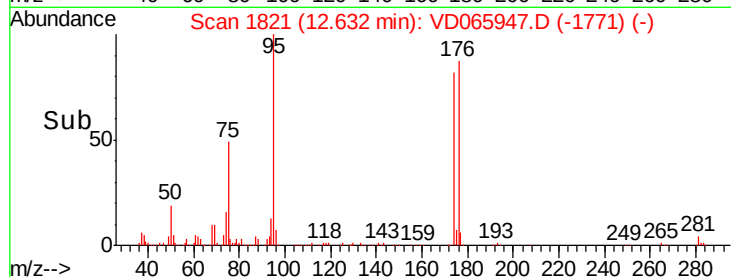
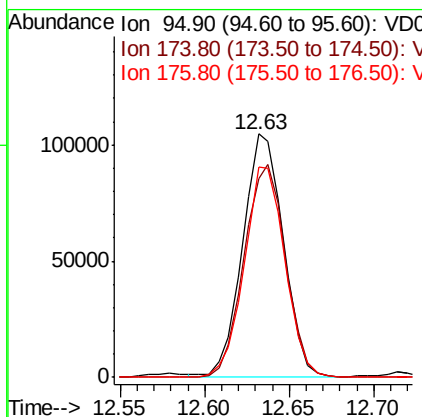
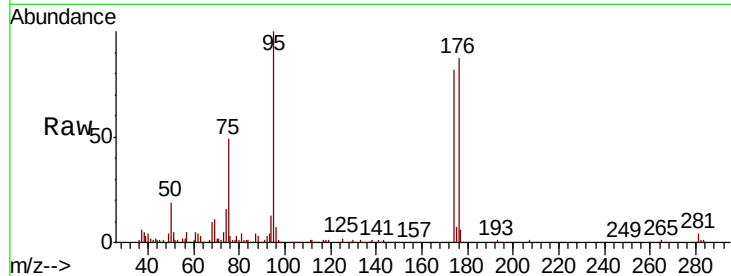




#62
4-Bromofluorobenzene
Concen: 43.404 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD065947.D
Acq: 10 Jul 2020 14:32

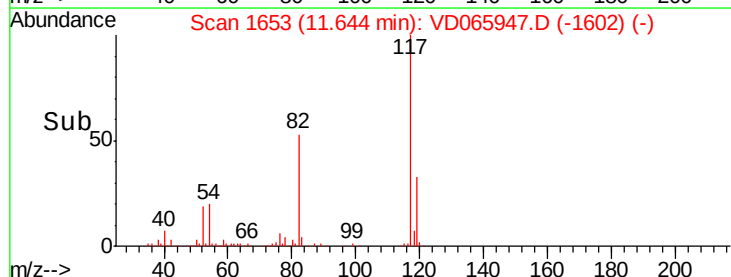
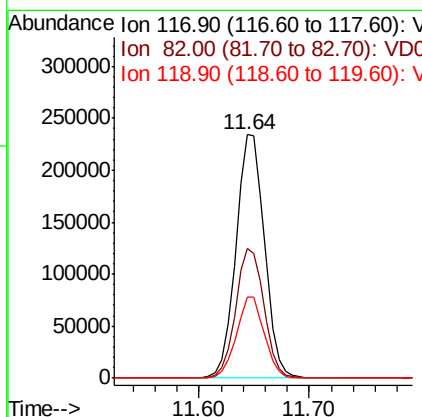
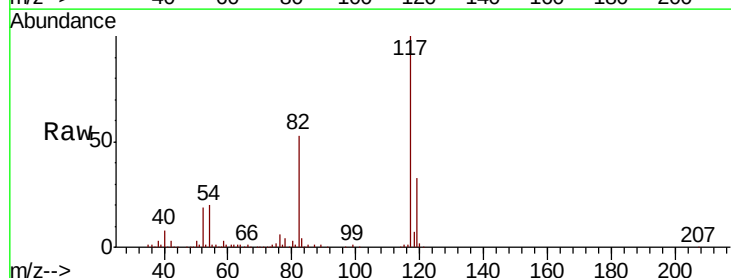
Instrument :
MSVOA_D
ClientSampleId :

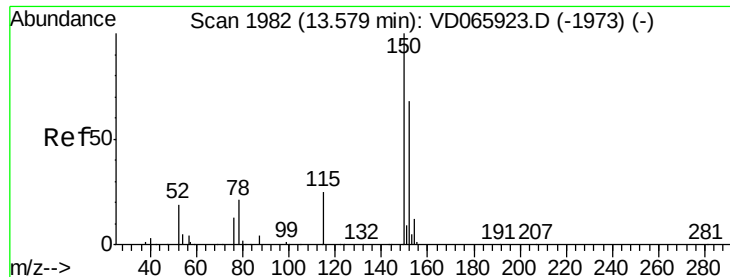
Tot Ion: 95 Resp: 175541
Ion Ratio Lower Upper
95 100
174 89.0 0.0 169.4
176 86.7 0.0 164.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD065947.D
Acq: 10 Jul 2020 14:32

Tgt Ion: 117 Resp: 424924
Ion Ratio Lower Upper
117 100
82 53.3 41.8 62.8
119 33.4 24.3 36.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065947.D

Acq: 10 Jul 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

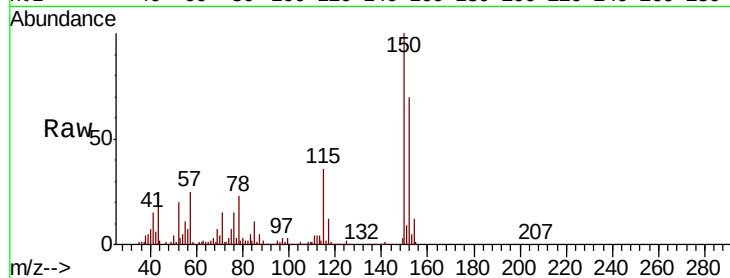
Tot Ion:152 Resp: 177188

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.3

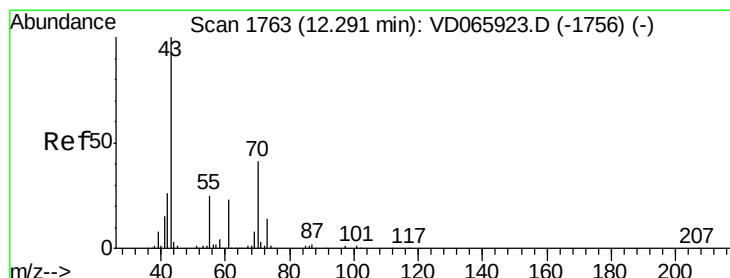
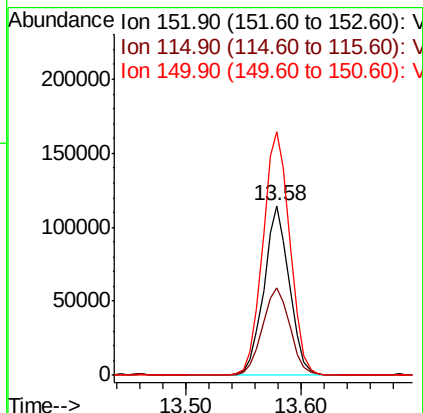
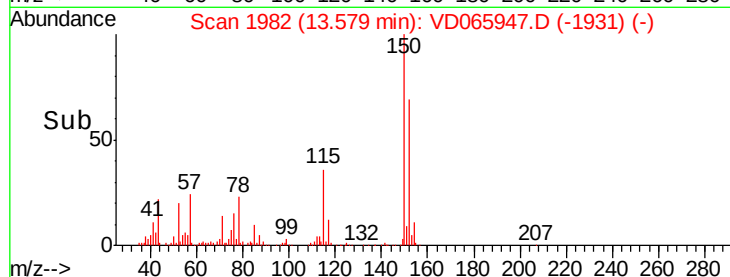
150 151.0 0.0 347.2



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



#74

N-ethyl acetate

Concen: 2.722 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VD065947.D

Acq: 10 Jul 2020 14:32

Tgt Ion: 43 Resp: 7552

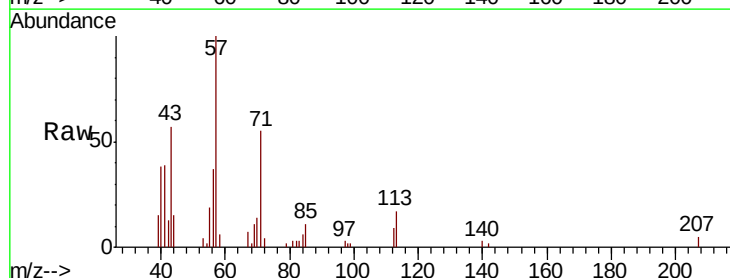
Ion Ratio Lower Upper

43 100

70 17.5 33.6 50.4#

55 0.0 20.1 30.1#

61 0.0 18.9 28.3#

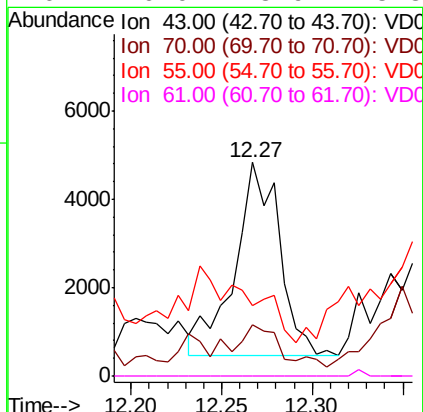
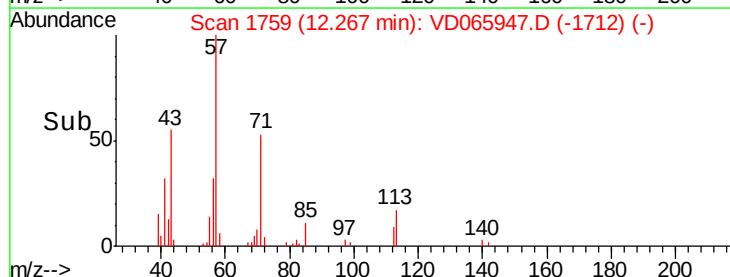


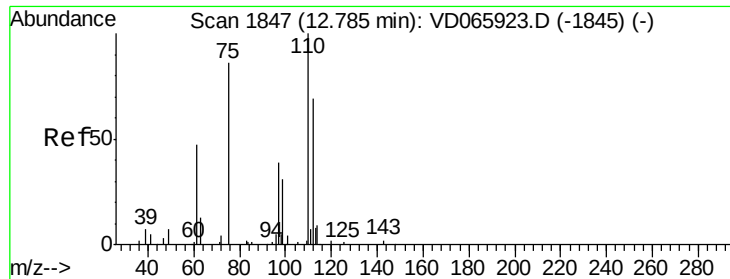
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

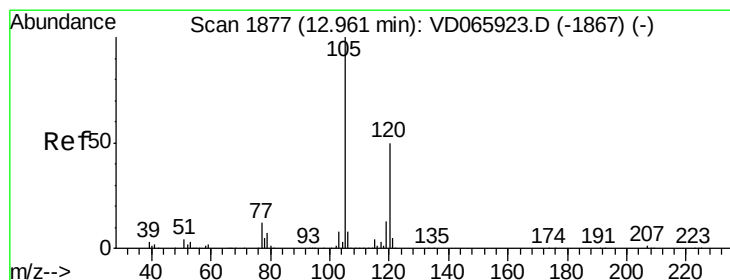
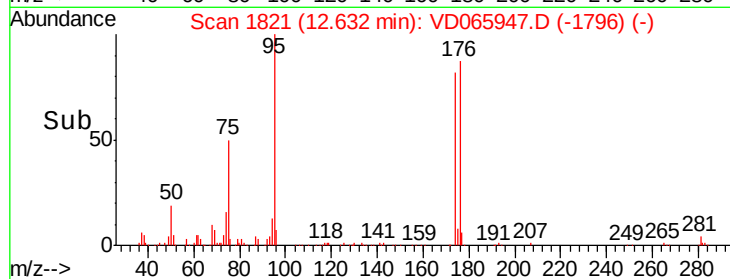
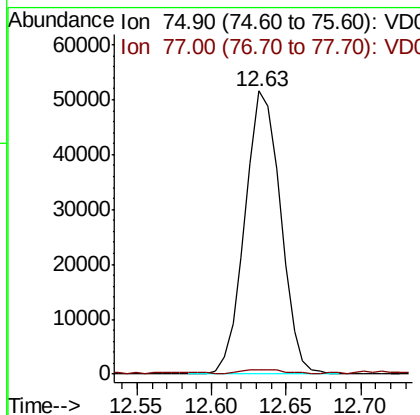
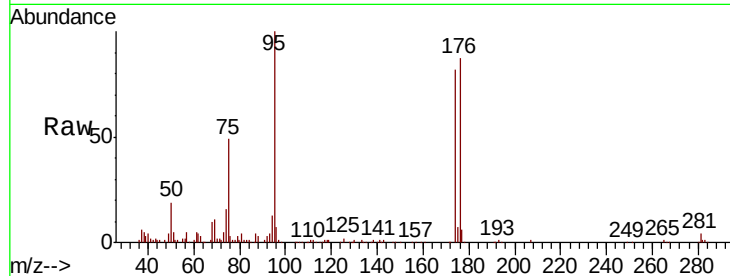




#76
 1,2,3-Trichloropropane
 Concen: 57.426 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD065947.D
 Acq: 10 Jul 2020 14:32

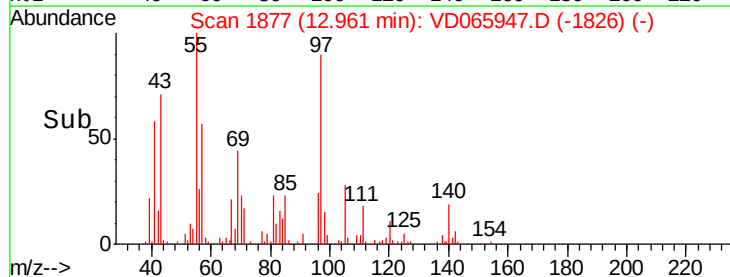
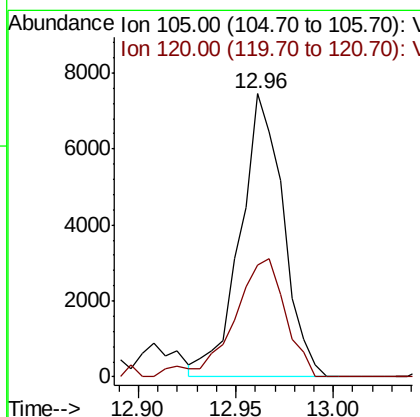
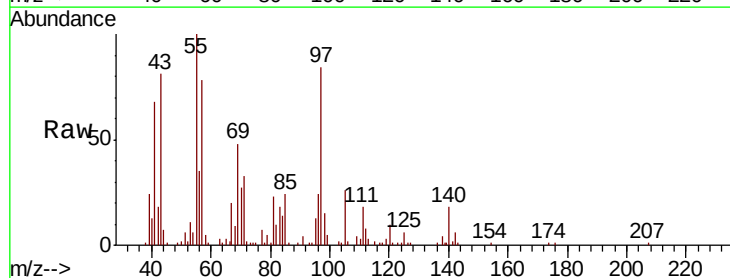
Instrument :
 MSVOA_D
 ClientSampleId :

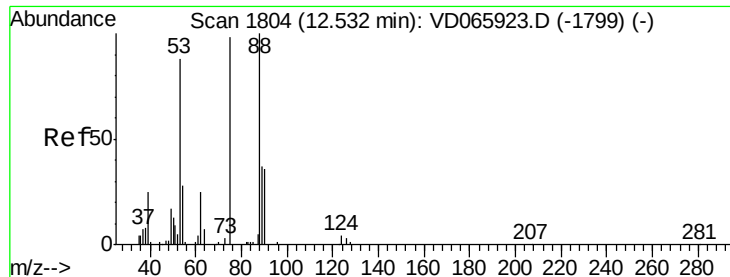
Tot Ion: 75 Resp: 85357
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.121 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD065947.D
 Acq: 10 Jul 2020 14:32

Tgt Ion:105 Resp: 11339
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 123.393 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD065947.D

Acq: 10 Jul 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

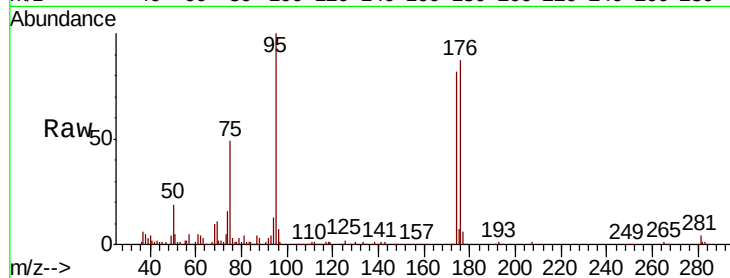
Tot Ion: 75 Resp: 85357

Ion Ratio Lower Upper

75 100

53 0.9 75.8 113.8#

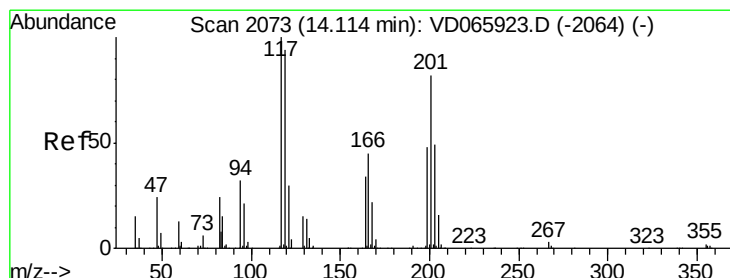
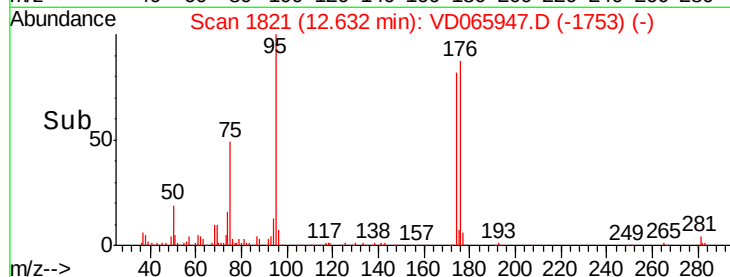
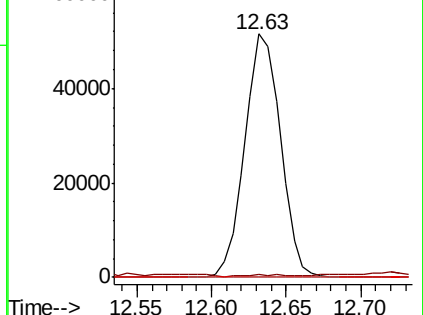
89 0.0 37.5 56.3#



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



#90

Hexachloroethane

Concen: 2.975 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.01 min

Lab File: VD065947.D

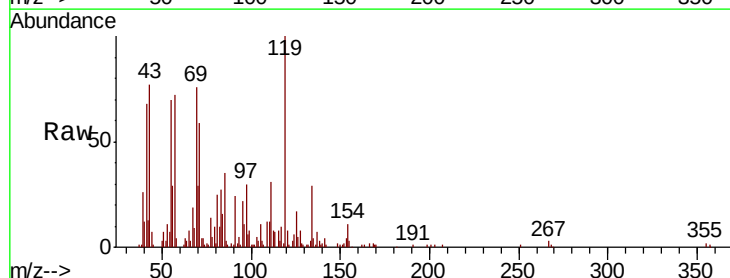
Acq: 10 Jul 2020 14:32

Tgt Ion: 117 Resp: 6702

Ion Ratio Lower Upper

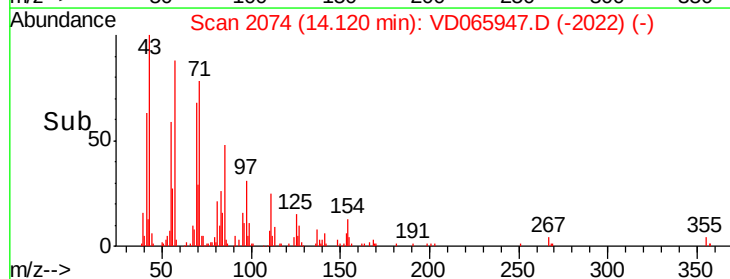
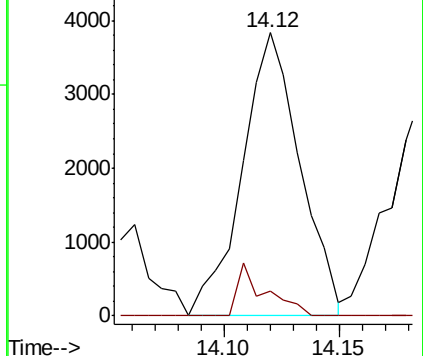
117 100

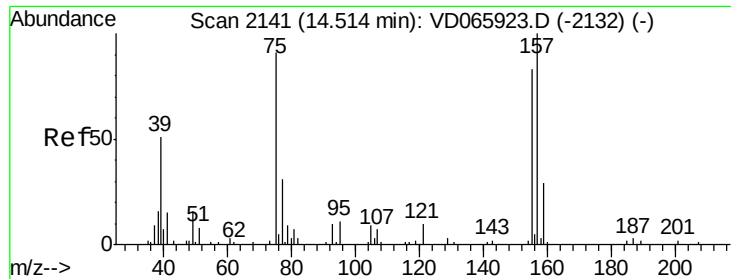
201 8.9 40.0 120.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.421 ug/l

RT: 14.53 min Scan# 2144

Delta R.T. 0.02 min

Lab File: VD065947.D

Acq: 10 Jul 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 831

Ion Ratio Lower Upper

75 100

155 118.5 45.3 135.8

157 0.0 56.9 170.6#

