

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\
 Data File : VD065885.D
 Acq On : 29 Jun 2020 14:41
 Operator : VA/SY
 Sample : L2819-06
 Misc : 5.60G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-062620

Quant Time: Jun 30 04:10:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	36748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	71197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	71616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	28372	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	37342	97.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	195.62%		
35) Dibromofluoromethane	7.92	113	28115	63.89	ug/l	0.00
Spiked Amount 50.000			Recovery =	127.78%		
50) Toluene-d8	10.34	98	76012	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.84%		
62) 4-Bromofluorobenzene	12.64	95	26870	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.10%		

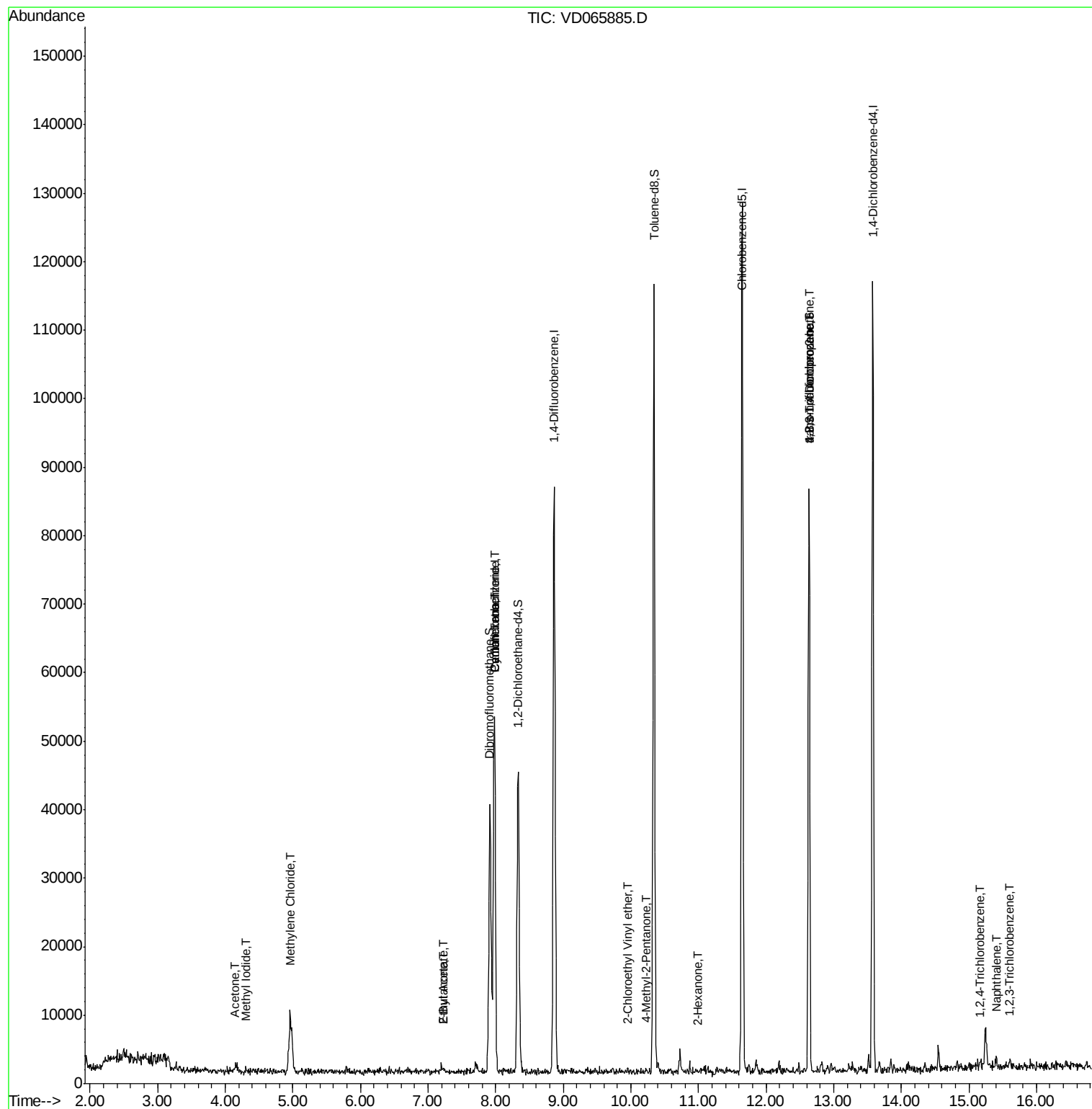
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	120	2.122	ug/l #	37
16) Acetone	4.16	43	1496	20.000	ug/l	91
20) Methylene Chloride	4.96	84	6596	12.880	ug/l #	76
25) 2-Butanone	7.23	43	475	4.758	ug/l #	49
31) Cyclohexane	7.98	56	973	1.423	ug/l #	17
37) Ethyl Acetate	7.23	43	475	1.789	ug/l #	72
38) Carbon Tetrachloride	7.98	117	4257	5.678	ug/l #	11
51) 4-Methyl-2-Pentanone	10.22	43	400	1.509	ug/l #	66
58) 2-Chloroethyl Vinyl ether	9.95	63	236	1.279	ug/l #	46
59) 2-Hexanone	10.98	43	269	1.447	ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	14884	59.953	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	14884	128.800	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.17	180	497	1.008	ug/l #	66
95) Naphthalene	15.41	128	1450	1.638	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.60	180	695	1.689	ug/l #	52

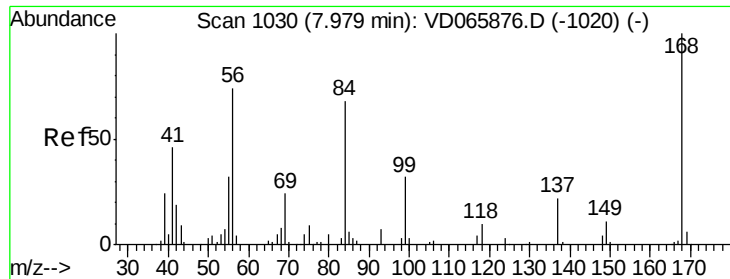
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062920\
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Quant Title : SW846 8260
QLast Update : Fri Jun 26 19:16:07 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: VD065885.D

Acq: 29 Jun 2020 14:41

Instrument :

MSVOA_D

ClientSampleId :

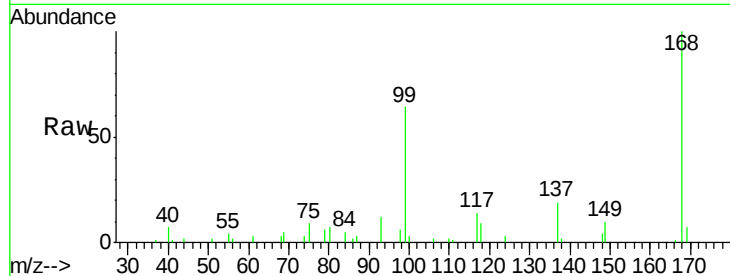
BU-03-062620

Tot Ion:168 Resp: 36748

Ion Ratio Lower Upper

168 100

99 64.4 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

15000

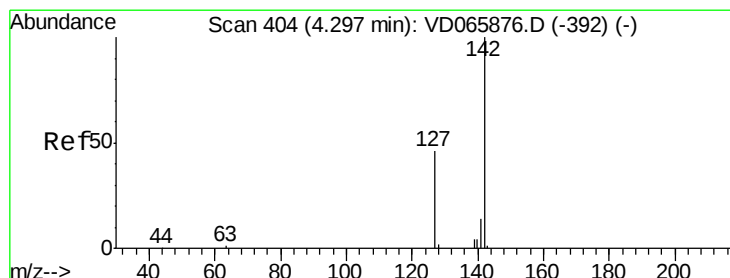
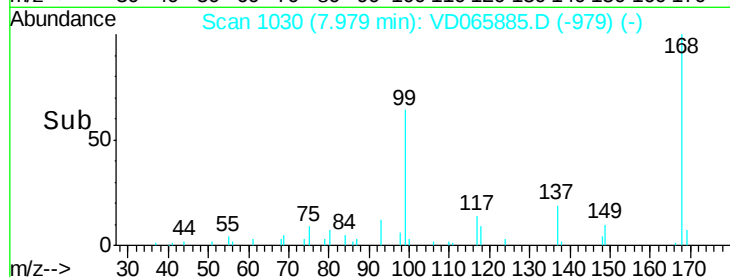
10000

5000

0

Time-->

7.90 7.95 8.00 8.05



#10

Methyl Iodide

Concen: 2.122 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065885.D

Acq: 29 Jun 2020 14:41

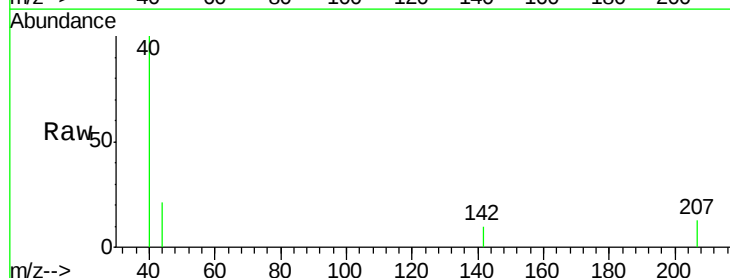
Tgt Ion:142 Resp: 120

Ion Ratio Lower Upper

142 100

127 0.0 39.0 58.6#

141 0.0 11.5 17.3#



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

250

200

150

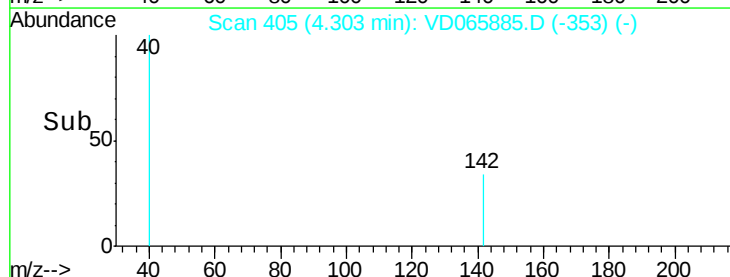
100

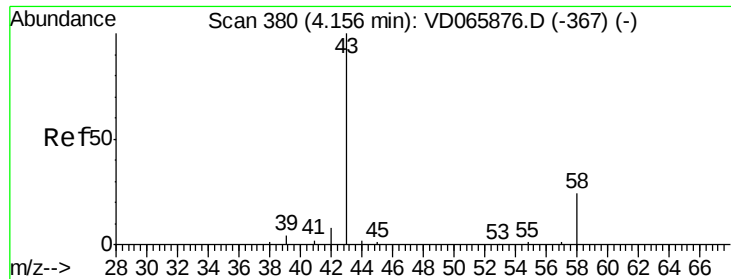
50

0

Time-->

4.28 4.30 4.32

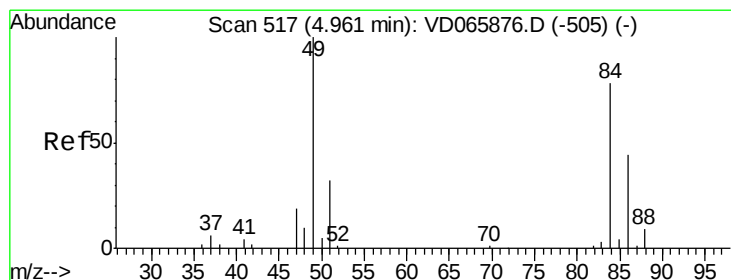
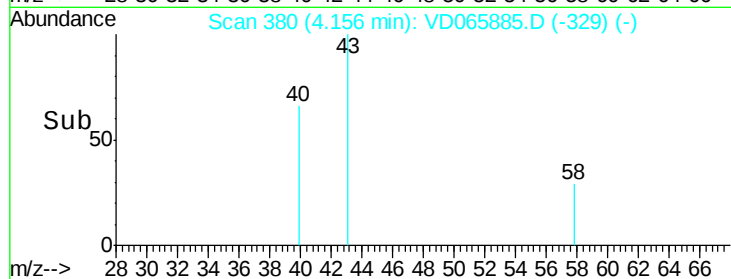
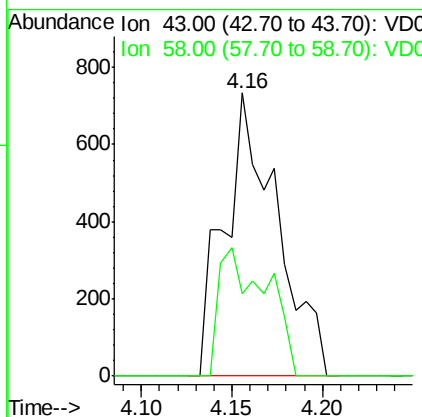
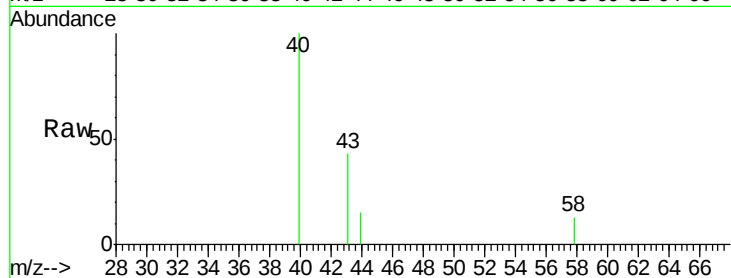




#16
Acetone
Concen: 20.000 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD065885.D
Acq: 29 Jun 2020 14:41

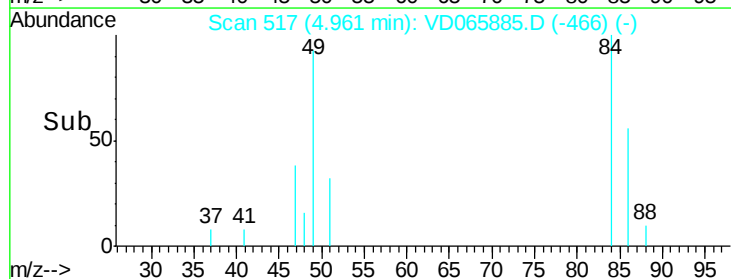
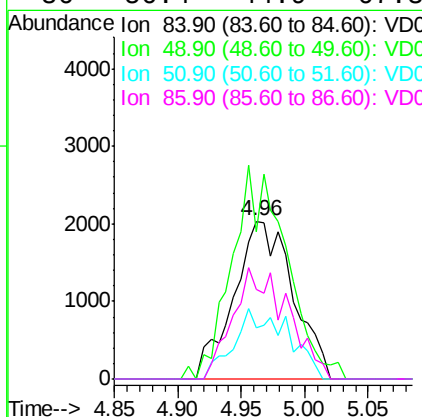
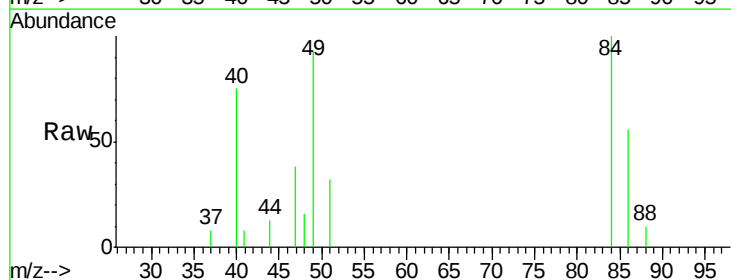
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BU-03-062620

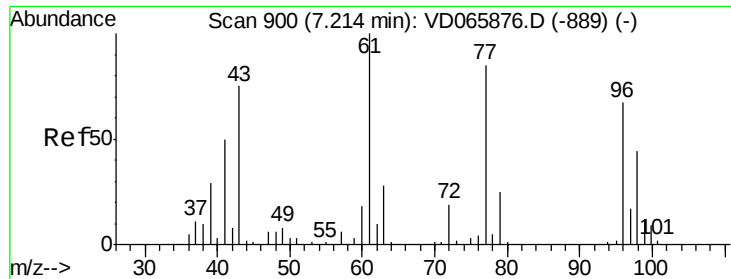
Tot Ion: 43 Resp: 1496
Ion Ratio Lower Upper
43 100
58 28.9 19.5 29.3



#20
Methylene Chloride
Concen: 12.880 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065885.D
Acq: 29 Jun 2020 14:41

Tgt Ion: 84 Resp: 6596
Ion Ratio Lower Upper
84 100
49 85.5 103.0 154.6#
51 32.0 32.7 49.1#
86 56.4 44.9 67.3





#25

2-Butanone

Concen: 4.758 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065885.D

Acq: 29 Jun 2020 14:41

Instrument :

MSVOA_D

ClientSampleId :

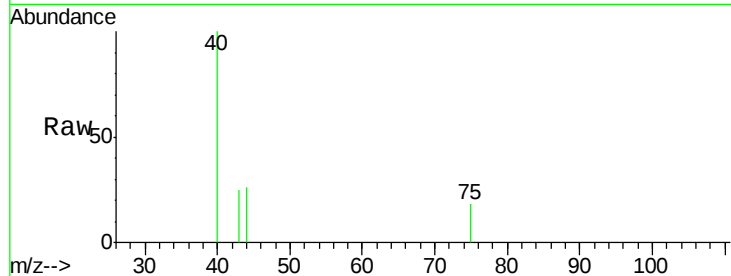
BU-03-062620

Tot Ion: 43 Resp: 475

Ion Ratio Lower Upper

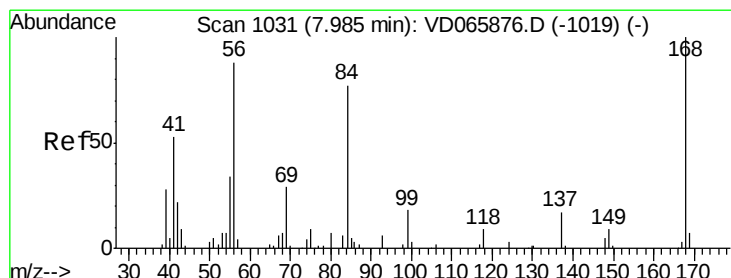
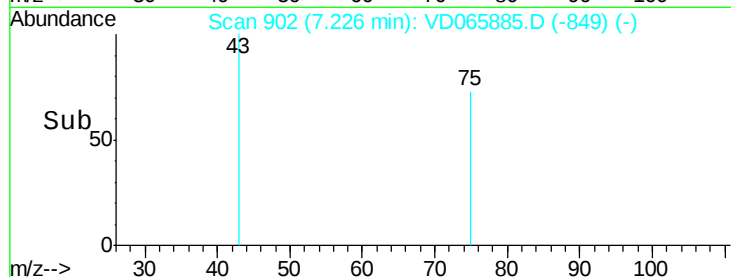
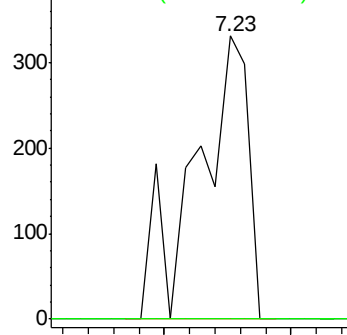
43 100

72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.423 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065885.D

Acq: 29 Jun 2020 14:41

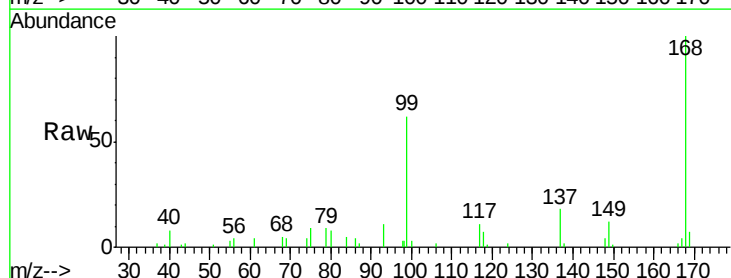
Tgt Ion: 56 Resp: 973

Ion Ratio Lower Upper

56 100

69 110.6 26.2 39.4#

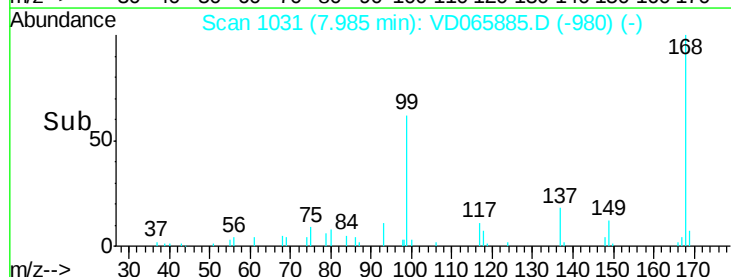
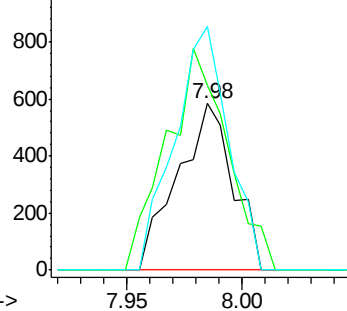
84 146.2 70.3 105.5#

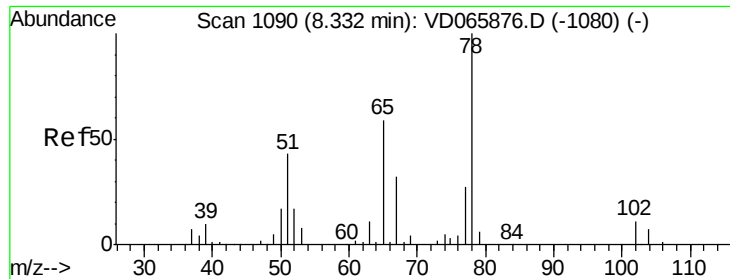


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

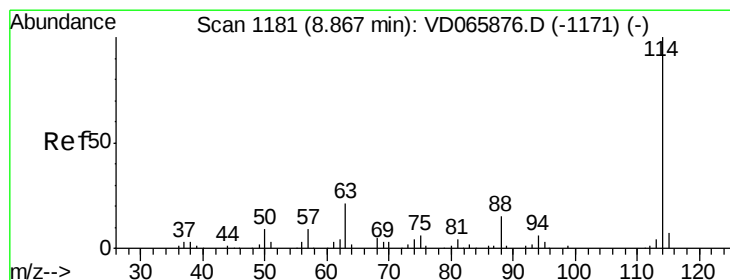
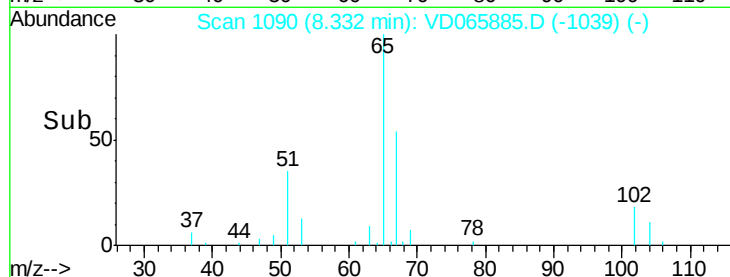
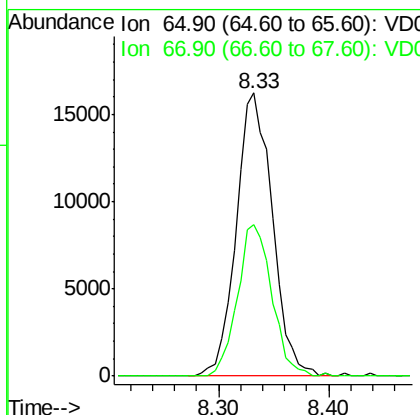
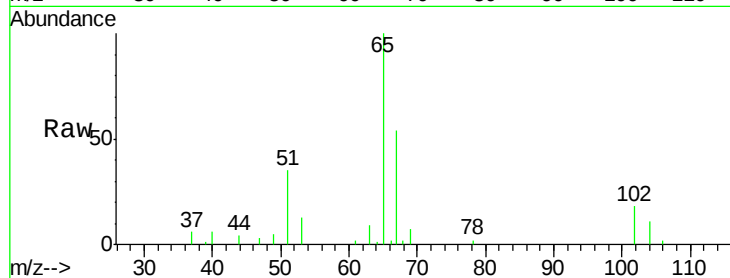




#33
 1,2-Dichloroethane-d4
 Concen: 97.811 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065885.D
 Acq: 29 Jun 2020 14:41

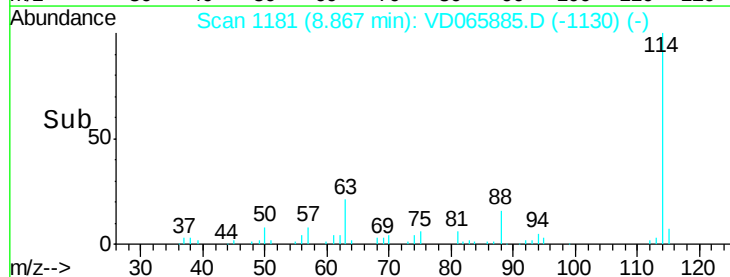
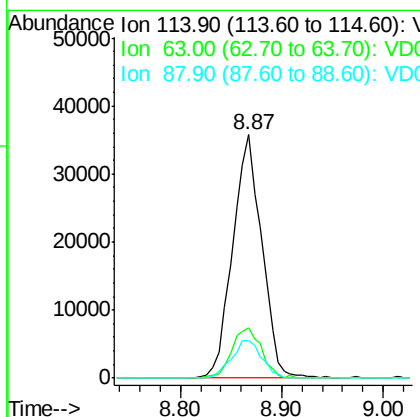
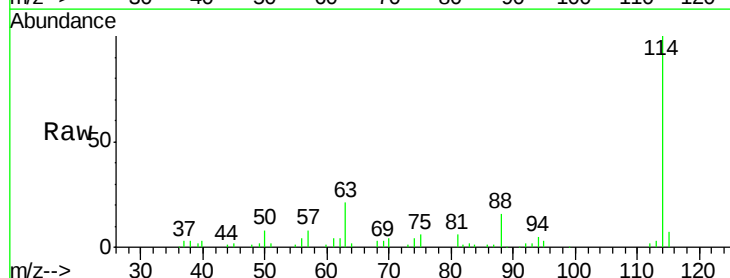
Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-062620

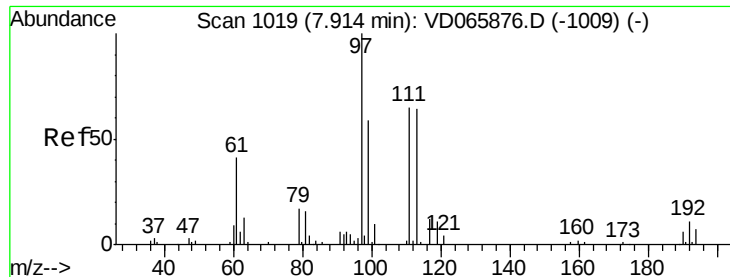
Tot Ion: 65 Resp: 37342
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065885.D
 Acq: 29 Jun 2020 14:41

Tgt Ion: 114 Resp: 71197
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.6
 88 15.6 0.0 29.0

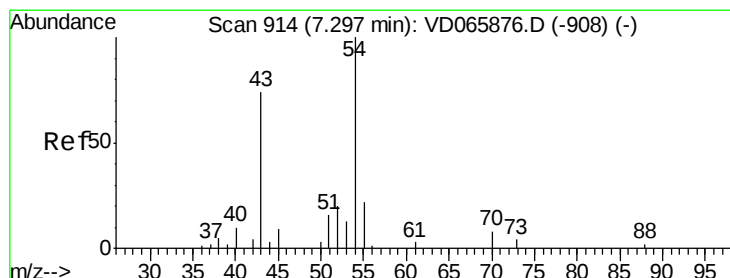
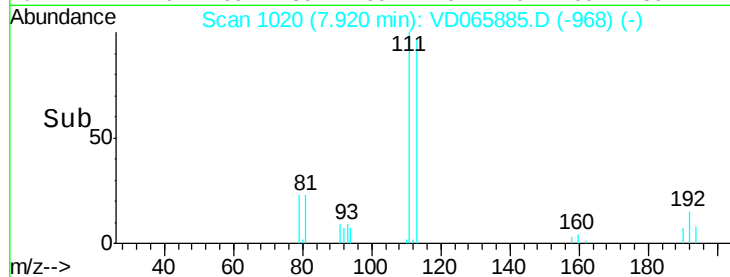
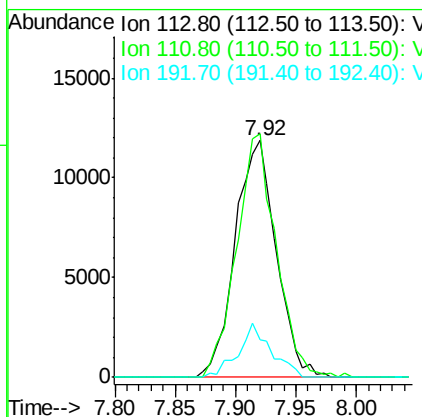
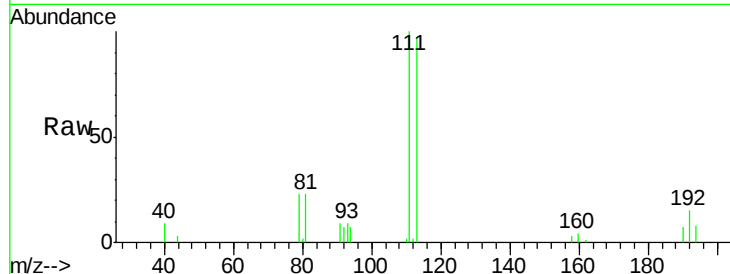




#35
Dibromofluoromethane
Concen: 63.887 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD065885.D
Acq: 29 Jun 2020 14:41

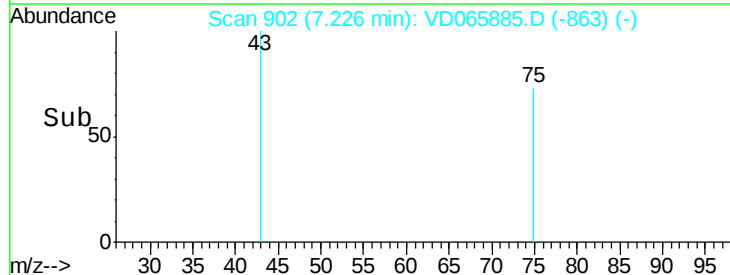
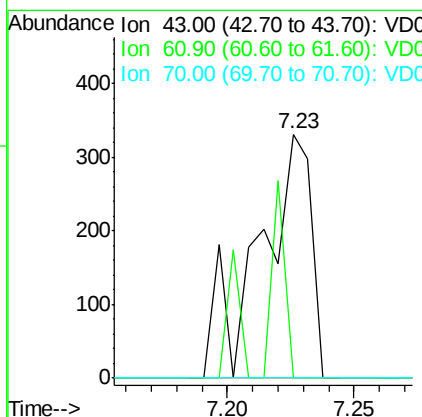
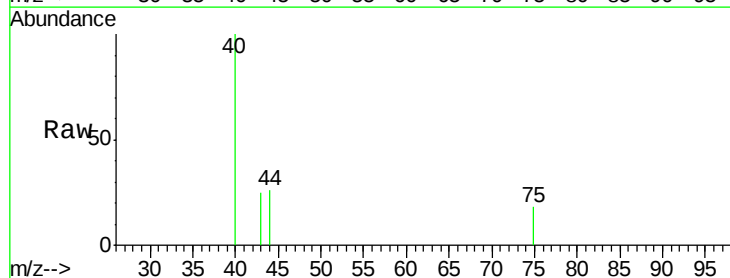
Instrument :
MSVOA_D
ClientSampleId :
BU-03-062620

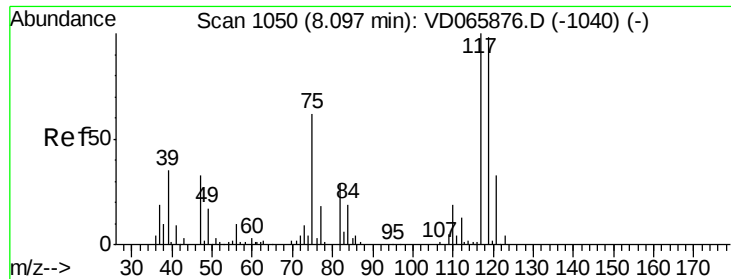
Tot Ion:113 Resp: 28115
Ion Ratio Lower Upper
113 100
111 99.5 81.0 121.6
192 17.9 15.2 22.8



#37
Ethyl Acetate
Concen: 1.789 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.07 min
Lab File: VD065885.D
Acq: 29 Jun 2020 14:41

Tgt Ion: 43 Resp: 475
Ion Ratio Lower Upper
43 100
61 20.0 0.0 0.0#
70 0.0 8.5 12.7#

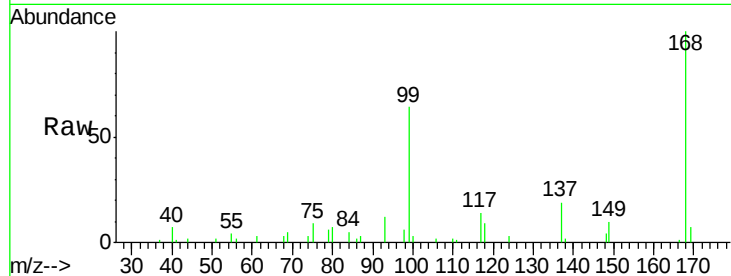




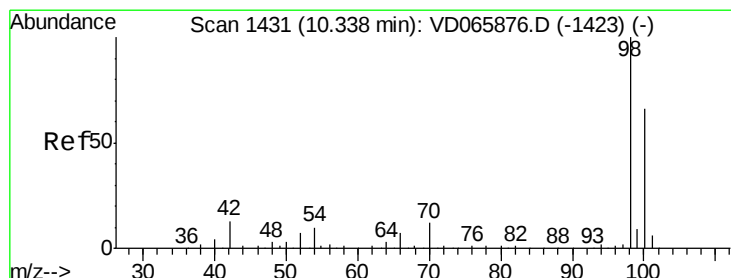
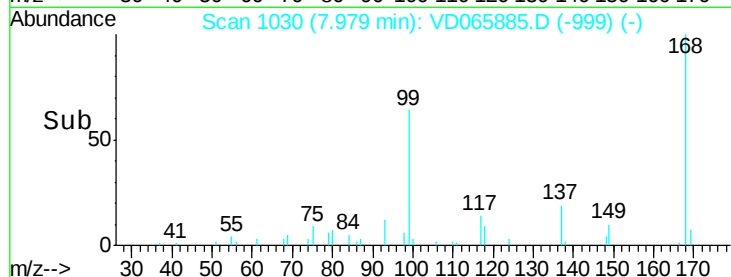
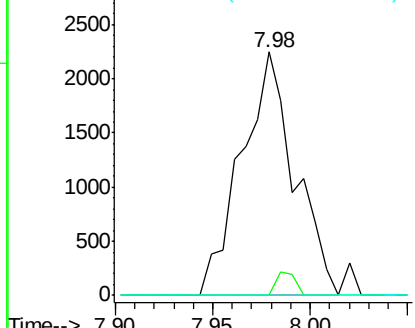
#38
Carbon Tetrachloride
Concen: 5.678 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065885.D
Acq: 29 Jun 2020 14:41

Instrument :
MSVOA_D
ClientSampleId :
BU-03-062620

Tot Ion:117 Resp: 4257
Ion Ratio Lower Upper
117 100
119 0.0 78.6 117.8#
121 0.0 26.5 39.7#

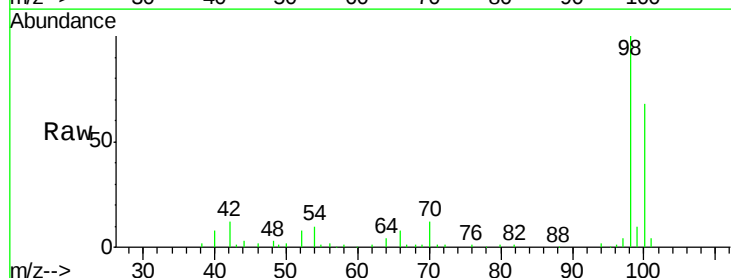


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

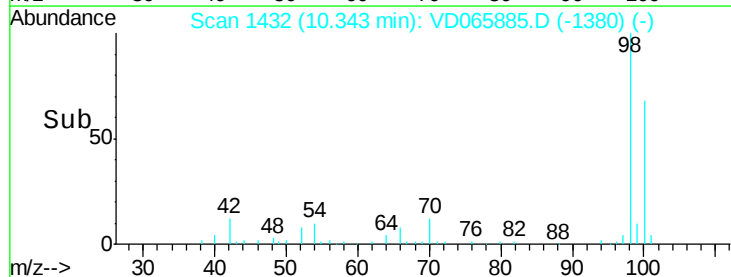
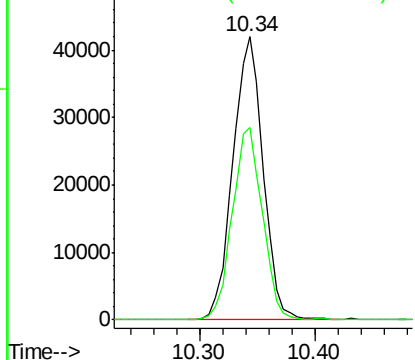


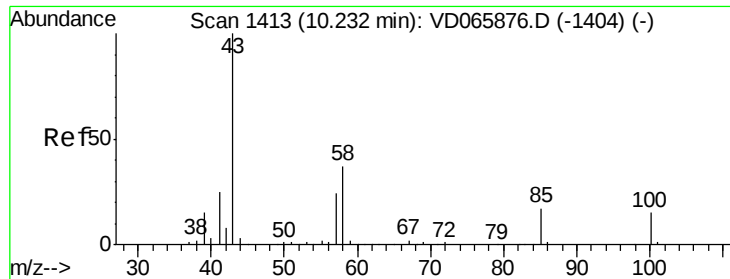
#50
Toluene-d8
Concen: 45.917 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD065885.D
Acq: 29 Jun 2020 14:41

Tgt Ion: 98 Resp: 76012
Ion Ratio Lower Upper
98 100
100 67.4 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 1.509 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD065885.D

Acq: 29 Jun 2020 14:41

Instrument :

MSVOA_D

ClientSampleId :

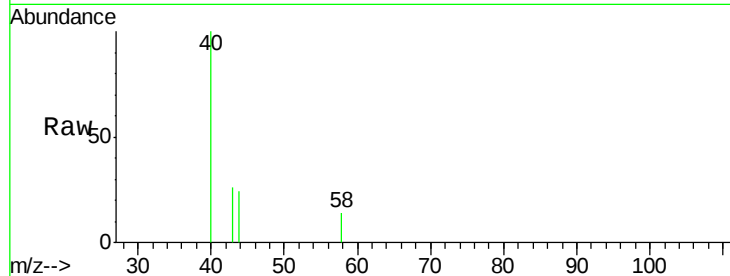
BU-03-062620

Tot Ion: 43 Resp: 400

Ion Ratio Lower Upper

43 100

58 16.5 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.22

300

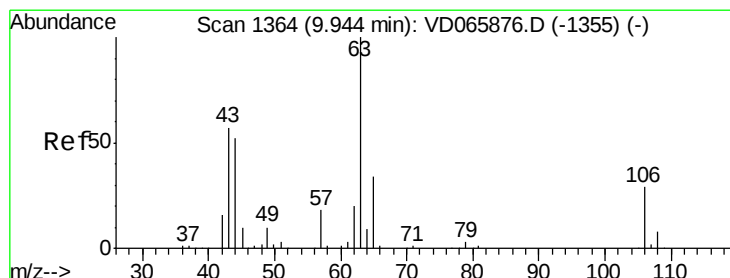
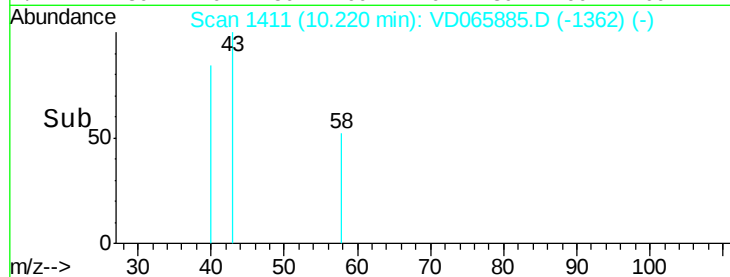
200

100

0

10.20 10.22 10.24 10.26

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.279 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD065885.D

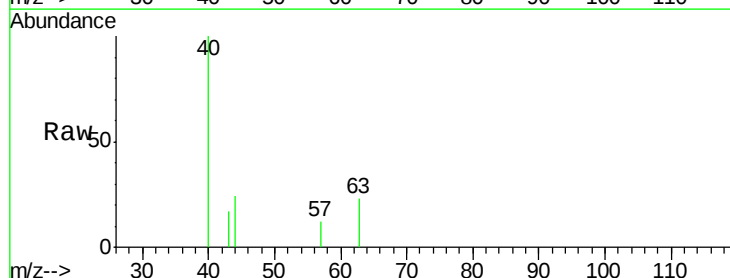
Acq: 29 Jun 2020 14:41

Tgt Ion: 63 Resp: 236

Ion Ratio Lower Upper

63 100

106 0.0 22.6 34.0#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

300

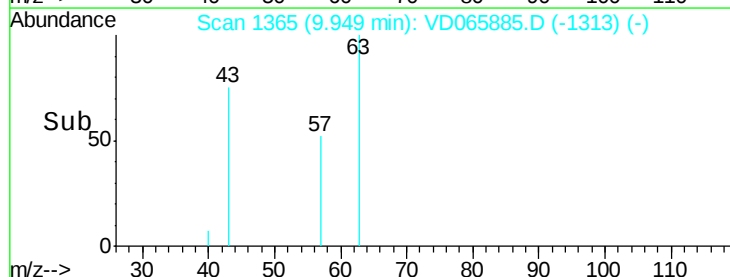
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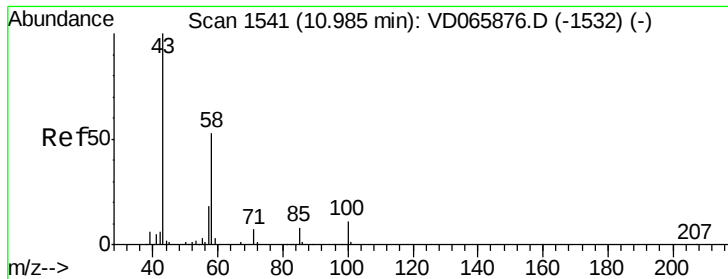
100

0

9.92 9.94 9.96

Time-->

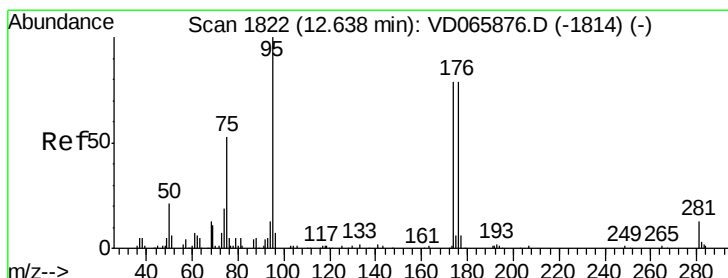
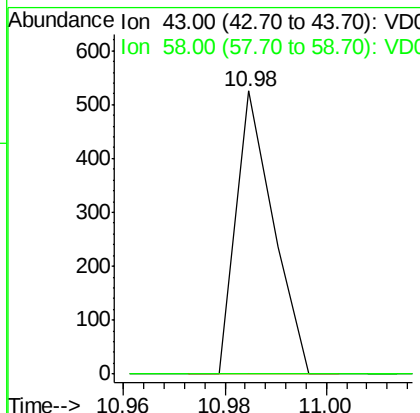
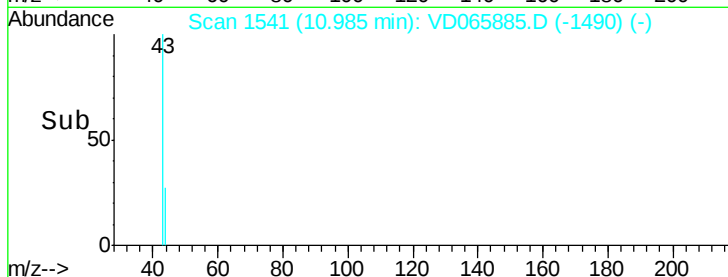
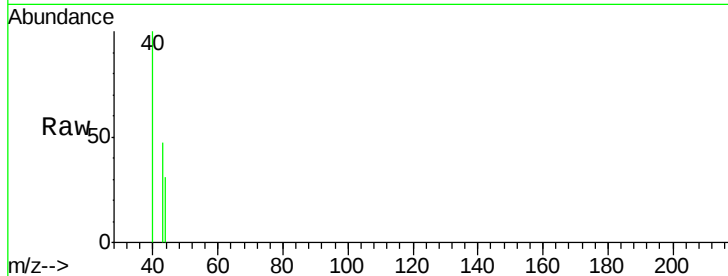




#59
2-Hexanone
Concen: 1.447 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD065885.D
Acq: 29 Jun 2020 14:41

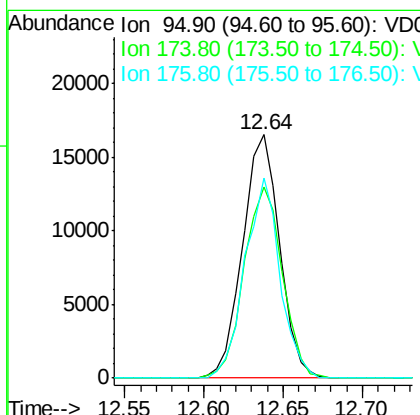
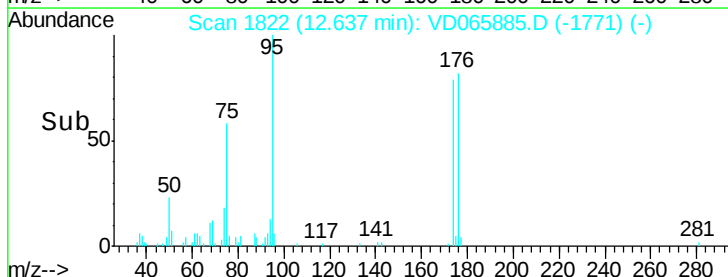
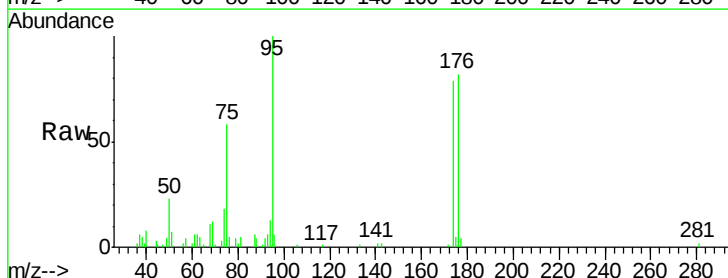
Instrument :
MSVOA_D
ClientSampleId :
BU-03-062620

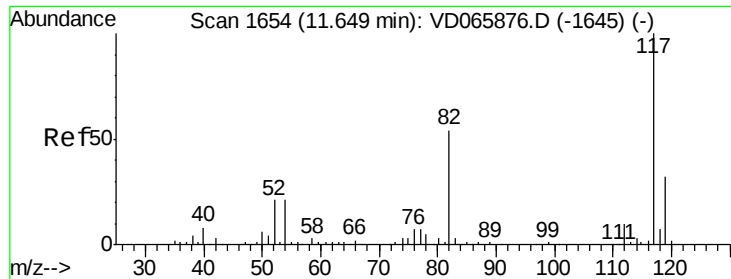
Tot Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
58 0.0 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 49.547 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065885.D
Acq: 29 Jun 2020 14:41

Tgt Ion: 95 Resp: 26870
Ion Ratio Lower Upper
95 100
174 81.6 0.0 158.4
176 77.7 0.0 156.0

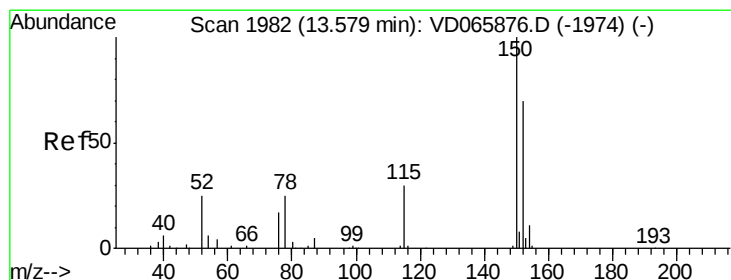
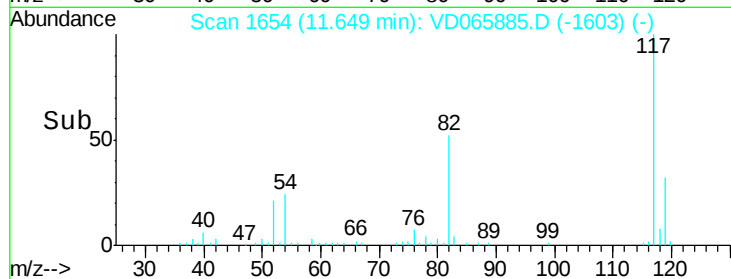
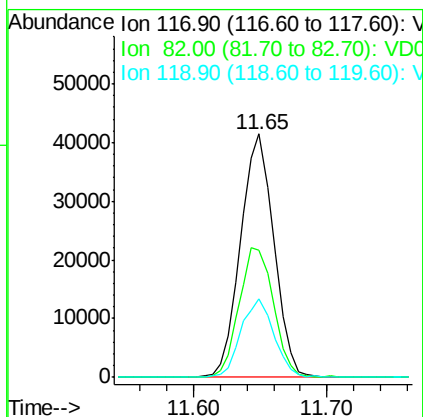
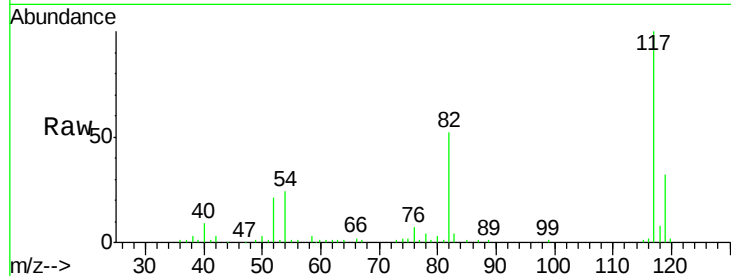




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065885.D
Acq: 29 Jun 2020 14:41

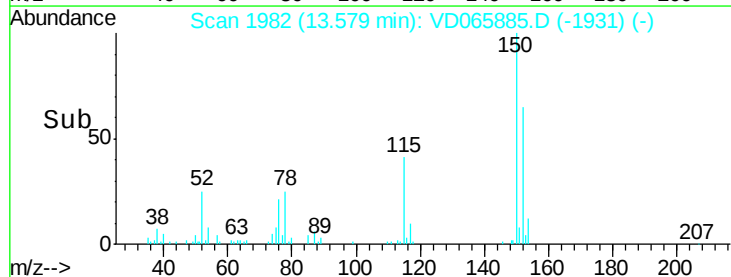
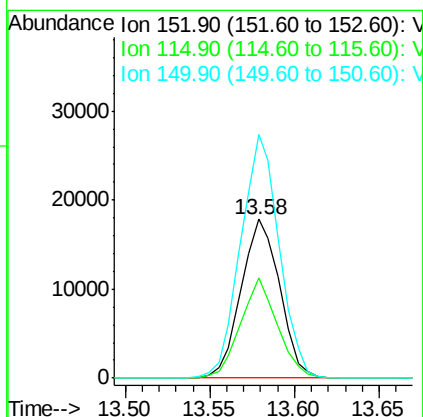
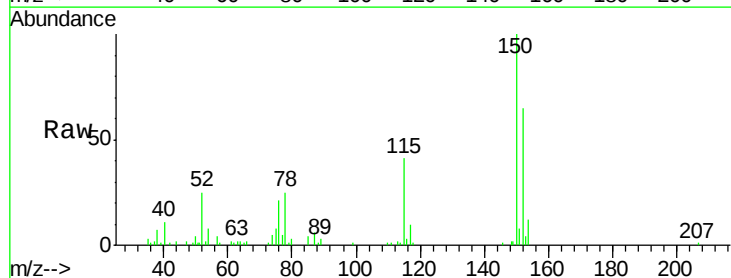
Instrument :
MSVOA_D
ClientSampleId :
BU-03-062620

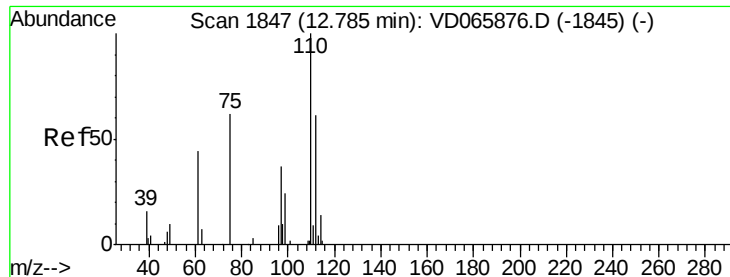
Tot Ion:117 Resp: 71616
Ion Ratio Lower Upper
117 100
82 52.0 43.6 65.4
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065885.D
Acq: 29 Jun 2020 14:41

Tgt Ion:152 Resp: 28372
Ion Ratio Lower Upper
152 100
115 60.2 29.7 89.1
150 152.6 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 59.953 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065885.D

Acq: 29 Jun 2020 14:41

Instrument :

MSVOA_D

ClientSampleId :

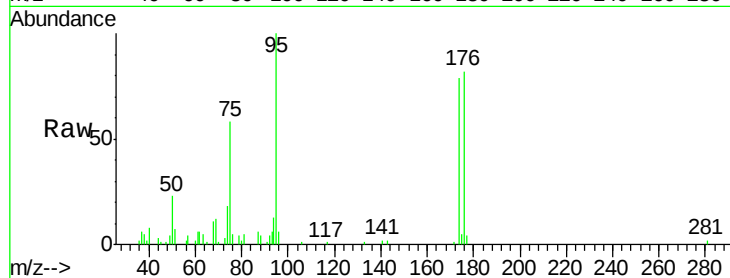
BU-03-062620

Tot Ion: 75 Resp: 14884

Ion Ratio Lower Upper

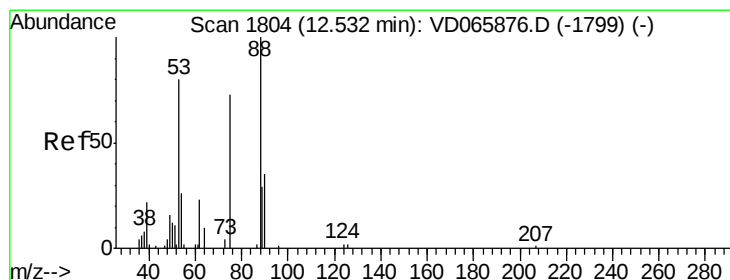
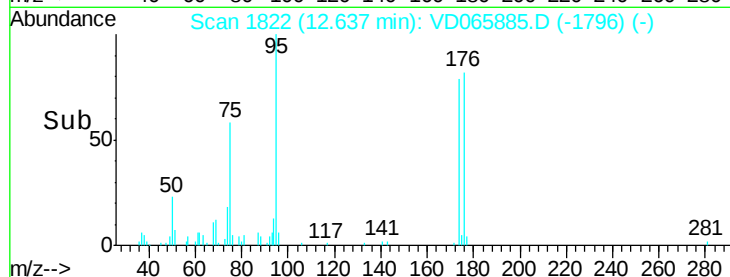
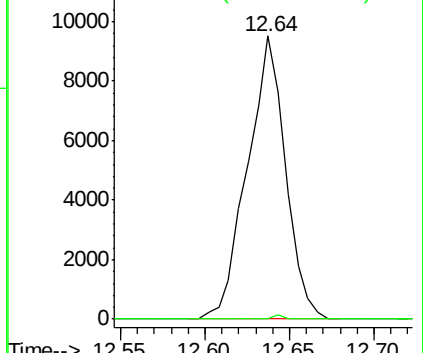
75 100

77 0.4 168.5 505.5#



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: 128.800 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065885.D

Acq: 29 Jun 2020 14:41

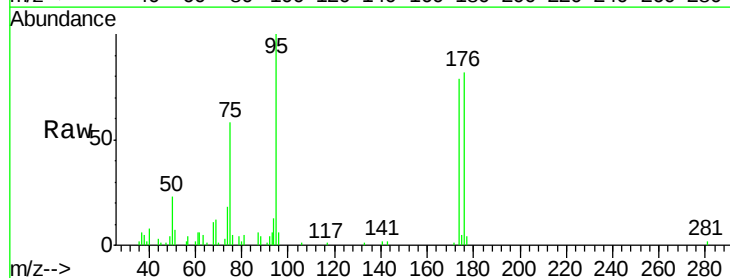
Tgt Ion: 75 Resp: 14884

Ion Ratio Lower Upper

75 100

53 0.0 80.6 121.0#

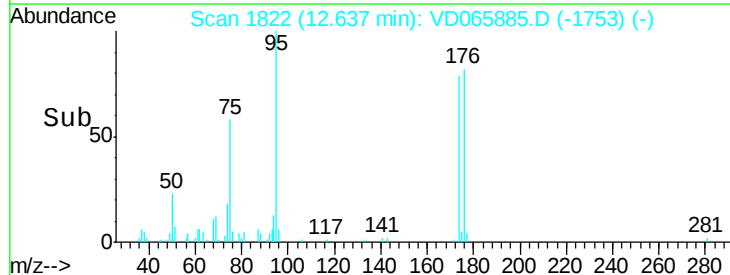
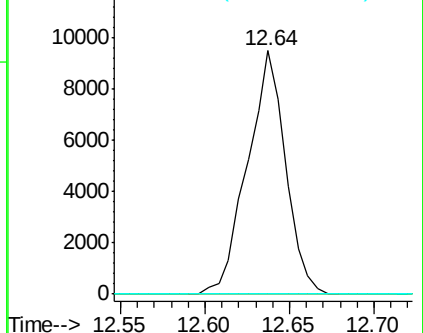
89 0.0 36.5 54.7#

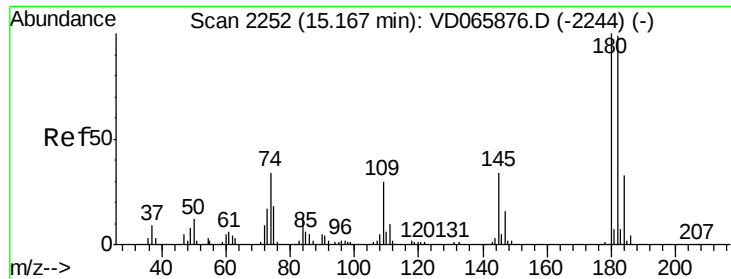


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

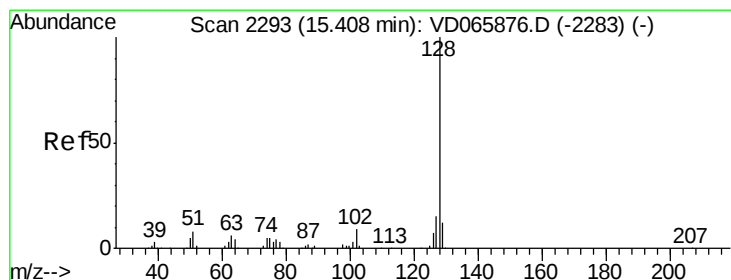
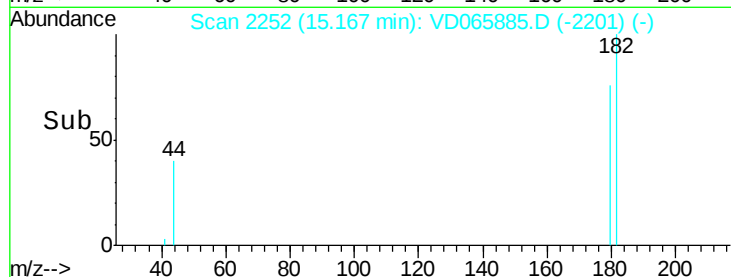
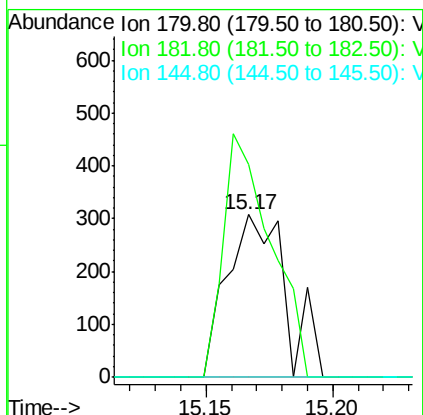
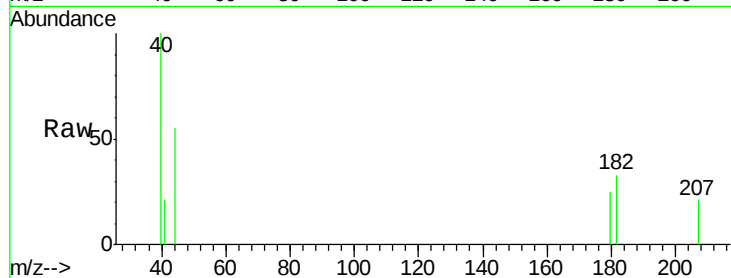




#93
 1,2,4-Trichlorobenzene
 Concen: 1.008 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065885.D
 Acq: 29 Jun 2020 14:41

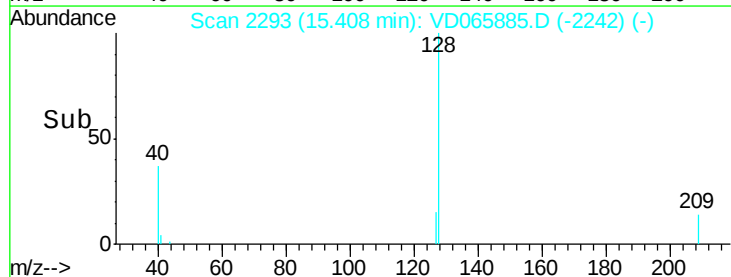
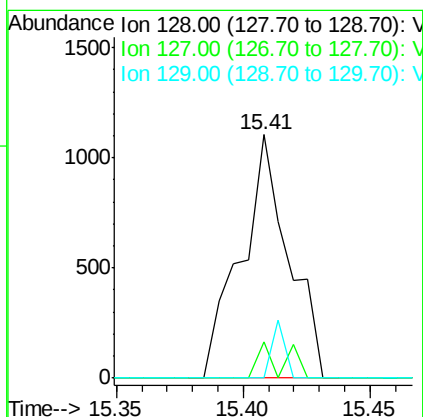
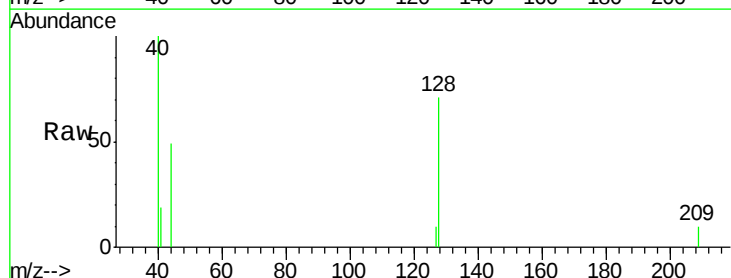
Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-062620

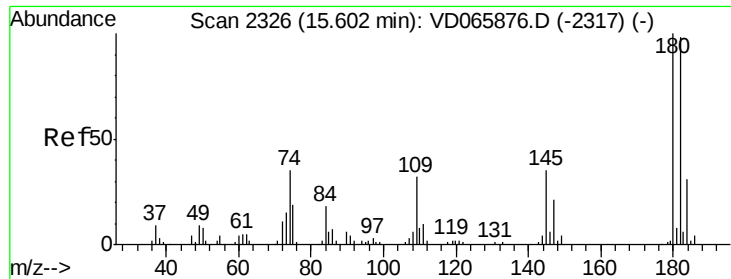
Tot Ion:180 Resp: 497
 Ion Ratio Lower Upper
 180 100
 182 121.3 47.7 143.1
 145 0.0 16.0 48.0#



#95
 Naphthalene
 Concen: 1.638 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VD065885.D
 Acq: 29 Jun 2020 14:41

Tgt Ion:128 Resp: 1450
 Ion Ratio Lower Upper
 128 100
 127 7.7 10.8 16.2#
 129 6.3 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 1.689 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD065885.D

Acq: 29 Jun 2020 14:41

Instrument :

MSVOA_D

ClientSampleId :

BU-03-062620

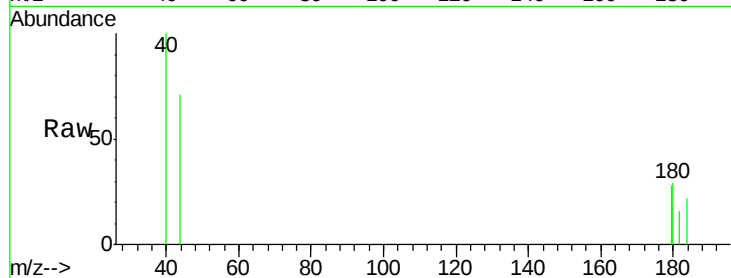
Tot Ion:180 Resp: 695

Ion Ratio Lower Upper

180 100

182 54.1 48.9 146.6

145 0.0 16.6 49.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

