

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
 Data File : VD065904.D
 Acq On : 01 Jul 2020 14:13
 Operator : VA/SY
 Sample : L3160-01
 Misc : 8.11G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MUDDY-DRUM

Quant Time: Jul 02 04:42:59 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	42685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	79753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	77242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	39419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	34942	78.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.58%	
35) Dibromofluoromethane	7.91	113	26314	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
50) Toluene-d8	10.34	98	83038	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
62) 4-Bromofluorobenzene	12.64	95	34986	57.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.18%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.70	74	1770	8.488	ug/l	99
10) Methyl Iodide	4.30	142	54	1.945	ug/l #	37
16) Acetone	4.16	43	4927	56.707	ug/l #	85
20) Methylene Chloride	4.96	84	28314	63.991	ug/l	94
25) 2-Butanone	7.21	43	1910	16.473	ug/l #	49
31) Cyclohexane	7.98	56	1521	1.915	ug/l #	66
36) 1,1-Dichloropropene	7.97	75	3794	4.879	ug/l #	45
37) Ethyl Acetate	7.21	43	1910	6.423	ug/l #	72
38) Carbon Tetrachloride	7.98	117	4594	5.470	ug/l #	20
39) Methylcyclohexane	9.37	83	1150	1.245	ug/l #	53
40) Benzene	8.36	78	55138	25.556	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	980	3.300	ug/l #	69
52) Toluene	10.40	92	44244	31.541	ug/l	98
59) 2-Hexanone	10.96	43	301	1.446	ug/l #	26
67) Ethyl Benzene	11.75	91	141320	49.663	ug/l	96
68) m/p-Xylenes	11.86	106	323788	298.858	ug/l	100
69) o-Xylene	12.18	106	144364	148.280	ug/l	99
70) Styrene	12.18	104	11513	6.763	ug/l #	1
71) Bromoform	12.64	173	308	1.016	ug/l #	1
73) Isopropylbenzene	12.48	105	12488	4.423	ug/l	96
74) N-amyl acetate	12.26	43	1482	2.376	ug/l #	17
76) 1,2,3-Trichloropropane	12.83	75	629	1.824	ug/l #	1
78) n-propylbenzene	12.83	91	86604	25.461	ug/l	100
79) 2-Chlorotoluene	13.13	91	12998	6.938	ug/l	93
80) 1,3,5-Trimethylbenzene	12.96	105	264109	111.902	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.63	75	18123	112.879	ug/l #	10
82) 4-Chlorotoluene	13.13	91	12998	6.492	ug/l	96
83) tert-Butylbenzene	13.27	119	115683	58.243	ug/l #	60
84) 1,2,4-Trimethylbenzene	13.27	105	931860	400.808	ug/l	100
85) sec-Butylbenzene	13.27	105	931860	329.220	ug/l #	57
86) p-Isopropyltoluene	13.52	119	6916	2.690	ug/l #	61
89) n-Butylbenzene	13.85	91	13840	5.521	ug/l #	71
90) Hexachloroethane	14.11	117	17872	34.064	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.51	75	799	11.099	ug/l #	5

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QLast Update : Fri Jun 26 19:16:07 2020
Response via : Initial Calibration

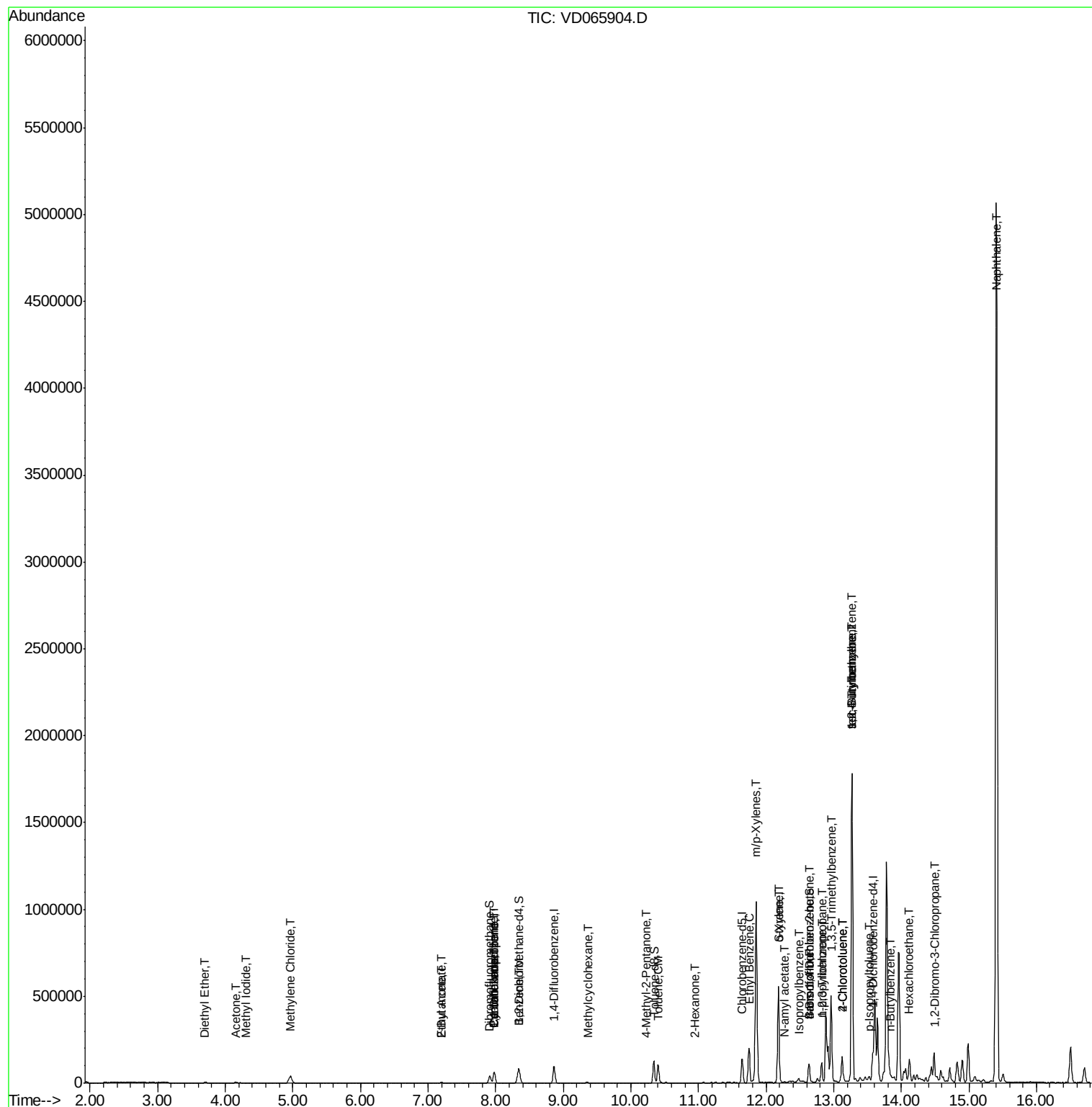
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.41	128	4223611	3434.568	ug/l	100

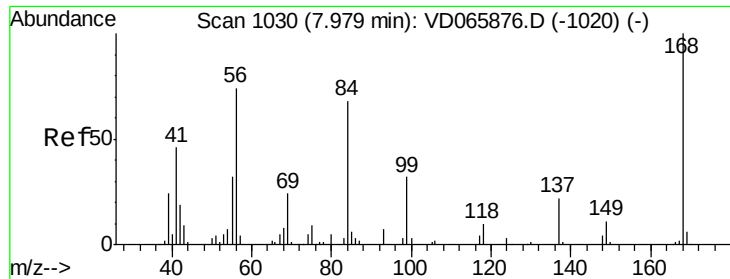
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

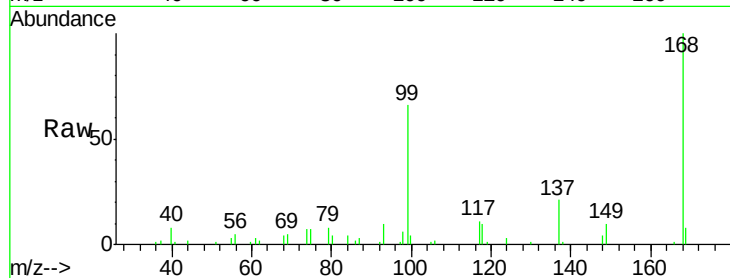
MUDDY-DRUM

Tot Ion:168 Resp: 42685

Ion Ratio Lower Upper

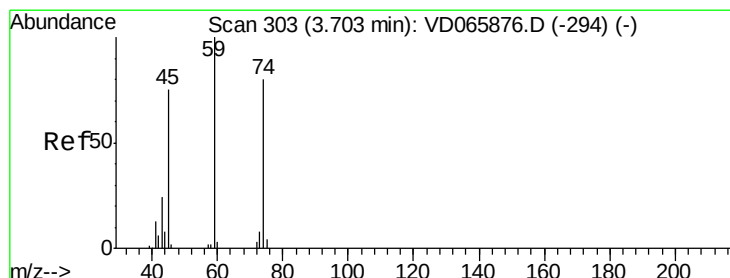
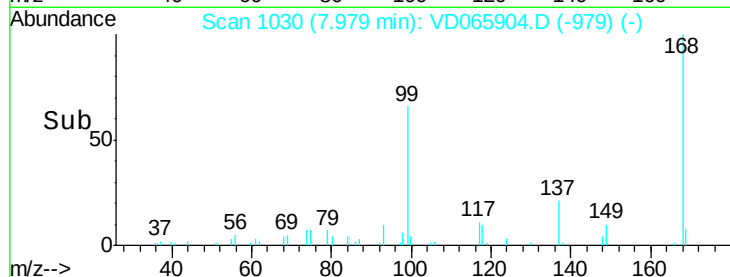
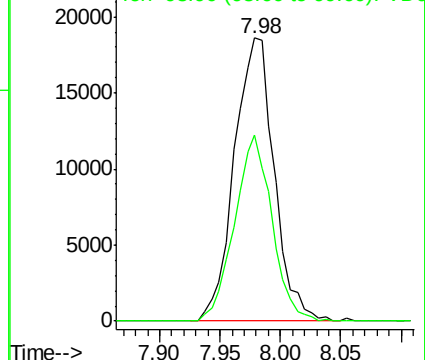
168 100

99 65.6 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 8.488 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.00 min

Lab File: VD065904.D

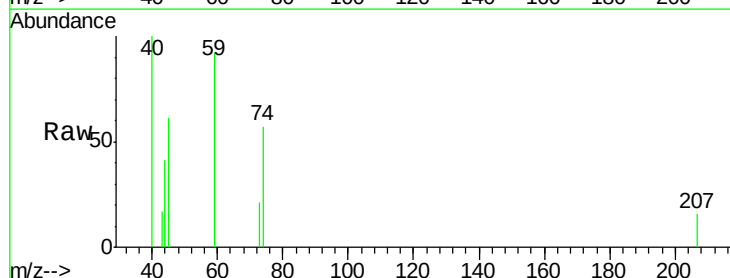
Acq: 01 Jul 2020 14:13

Tgt Ion: 74 Resp: 1770

Ion Ratio Lower Upper

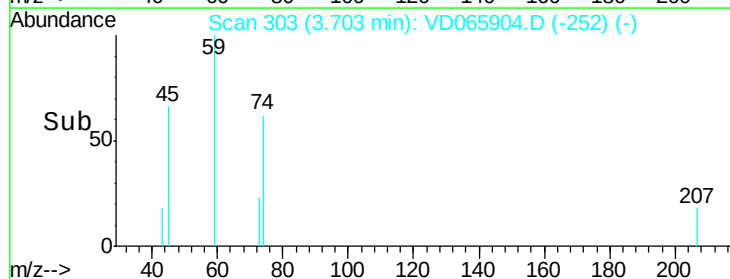
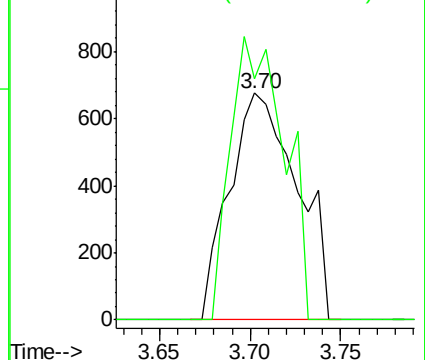
74 100

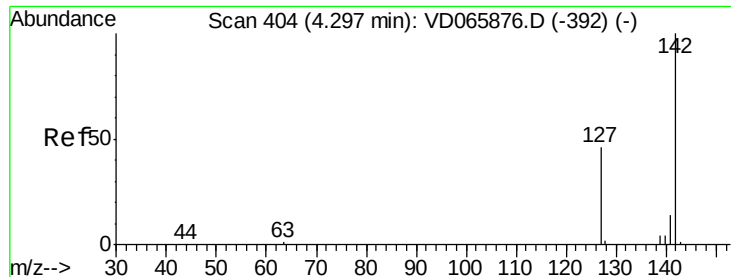
45 98.3 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

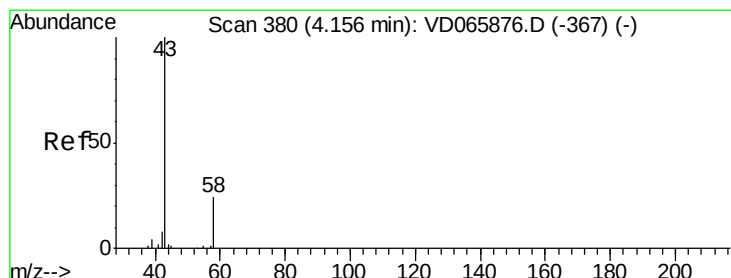
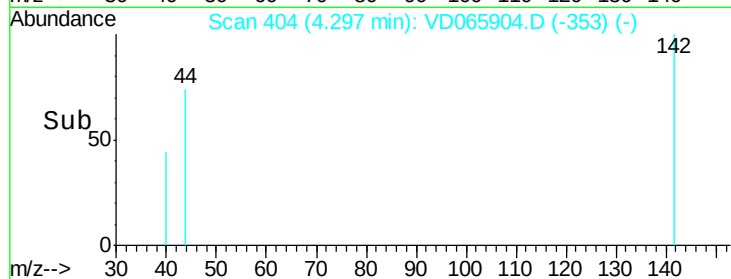
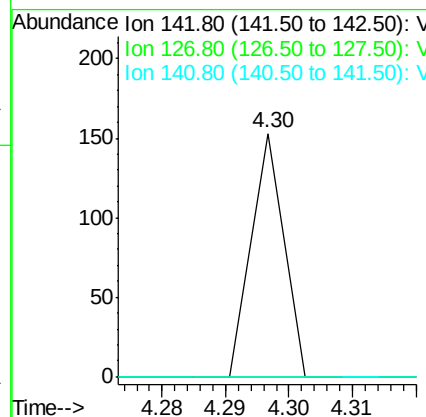
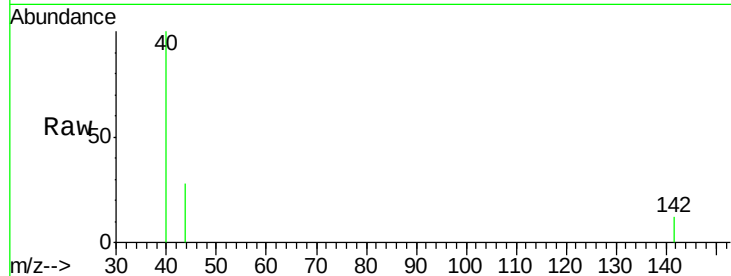




#10
Methvl Iodide
Concen: 1.945 ug/l
RT: 4.30 min Scan# 404
Delta R.T. 0.00 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

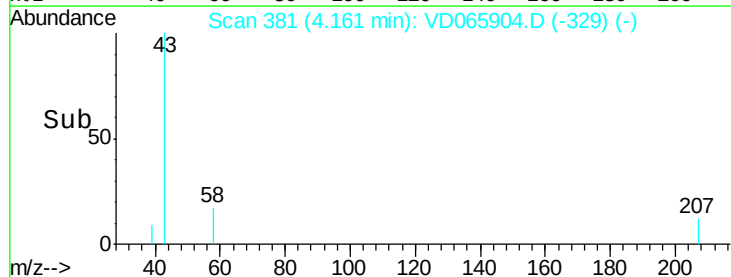
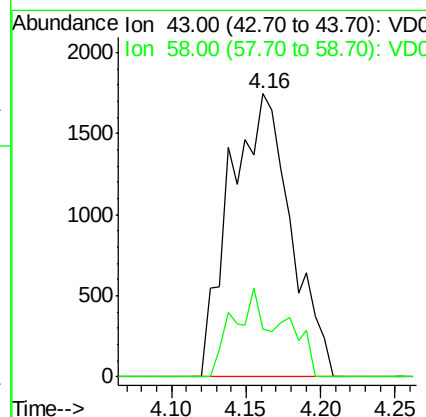
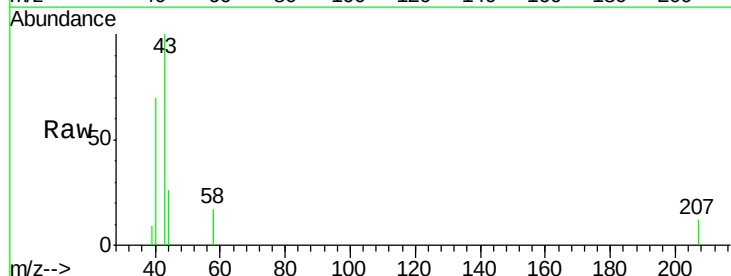
Instrument :
MSVOA_D
ClientSampleId :
MUDDY-DRUM

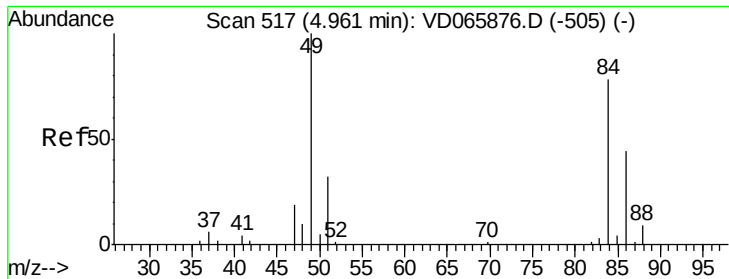
Tot Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 39.0 58.6#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 56.707 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

Tgt Ion: 43 Resp: 4927
Ion Ratio Lower Upper
43 100
58 17.0 19.5 29.3#

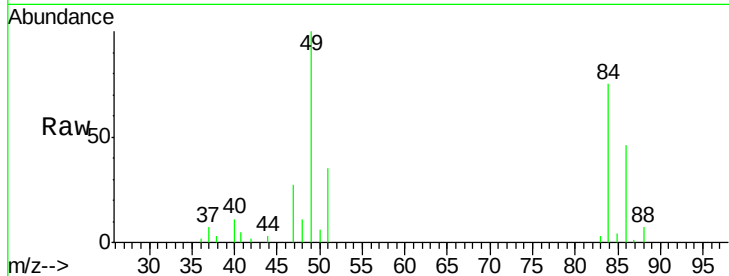




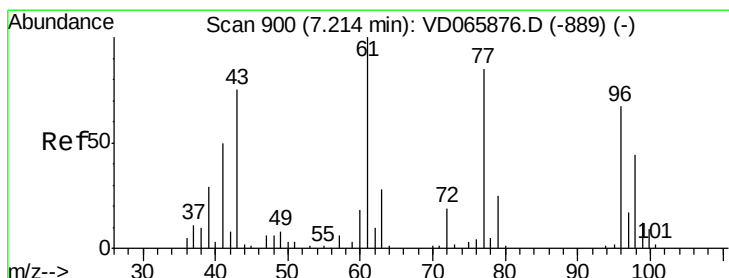
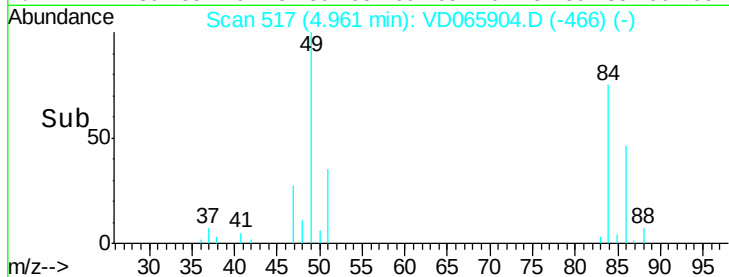
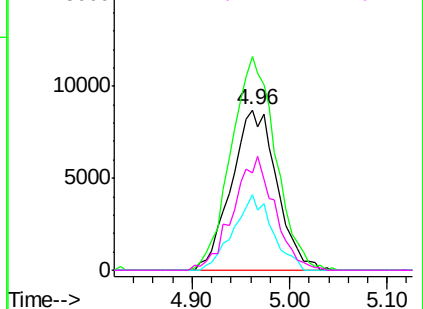
#20
Methvlene Chloride
Concen: 63.991 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

Instrument :
MSVOA_D
ClientSampleId :
MUDDY-DRUM

Tot Ion: 84 Resp: 28314
Ion Ratio Lower Upper
84 100
49 133.1 103.0 154.6
51 47.2 32.7 49.1
86 60.8 44.9 67.3

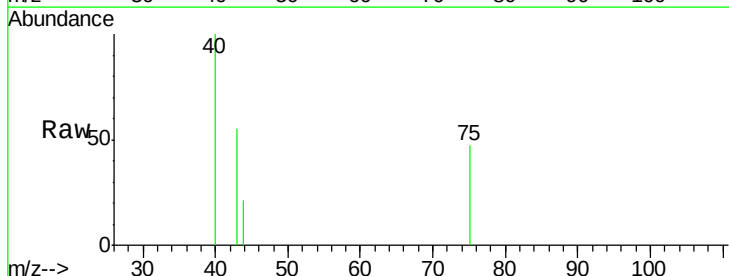


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

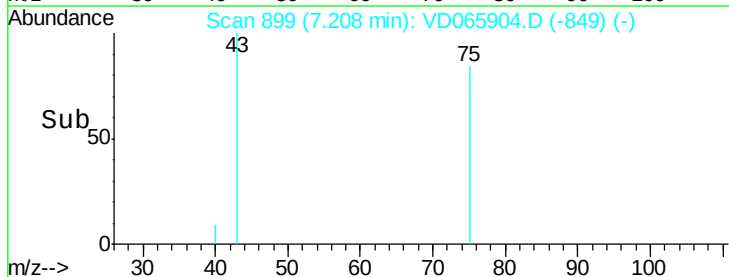
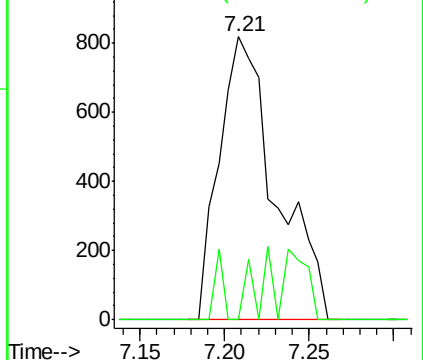


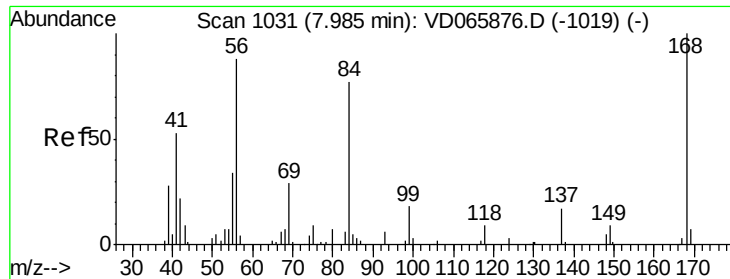
#25
2-Butanone
Concen: 16.473 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

Tgt Ion: 43 Resp: 1910
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

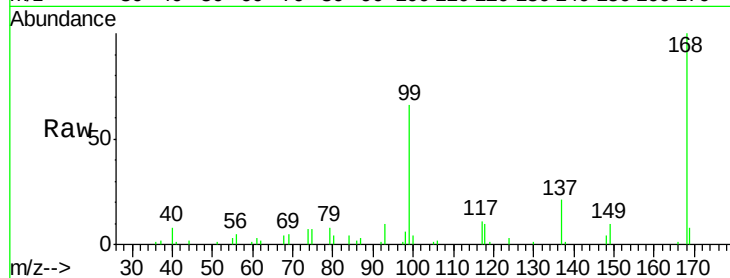




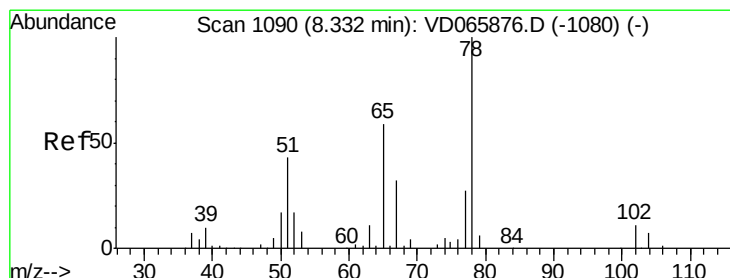
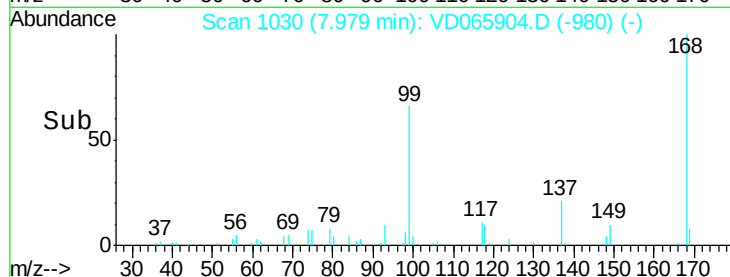
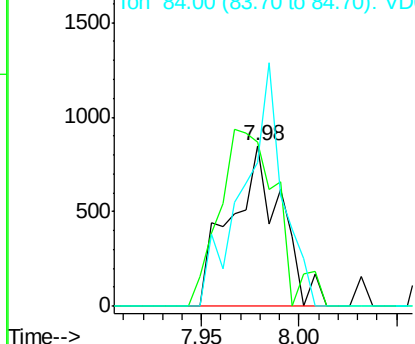
#31
Cyclohexane
Concen: 1.915 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

Instrument :
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Tot Ion: 56 Resp: 1521
Ion Ratio Lower Upper
56 100
69 102.0 26.2 39.4#
84 89.2 70.3 105.5

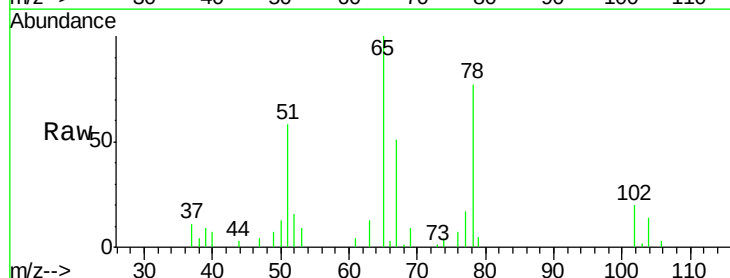


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

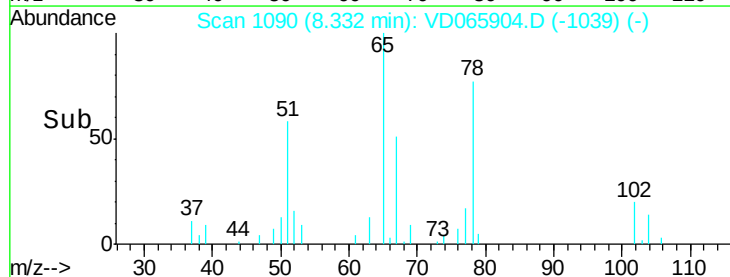
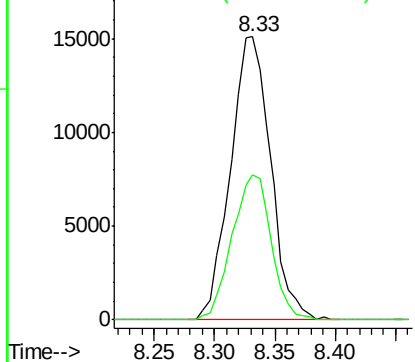


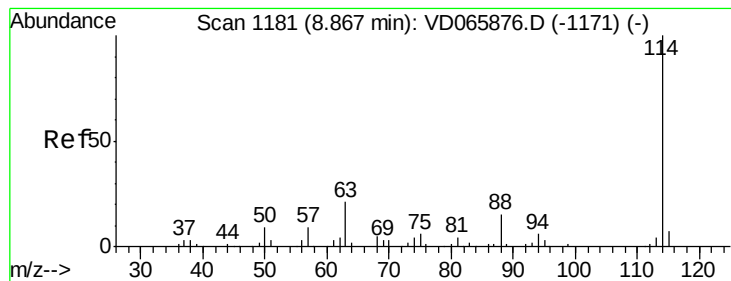
#33
1,2-Dichloroethane-d4
Concen: 78.795 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

Tgt Ion: 65 Resp: 34942
Ion Ratio Lower Upper
65 100
67 49.9 0.0 103.0



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: VD065904.D

Acq: 01 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

MUDDY-DRUM

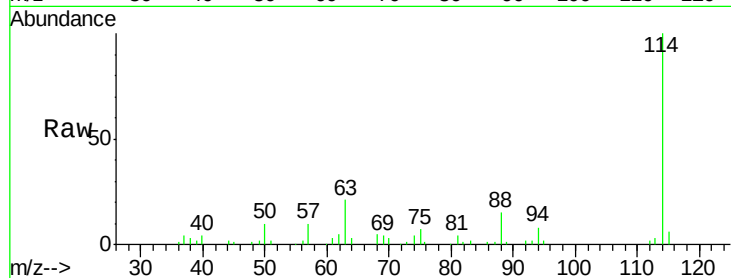
Tot Ion:114 Resp: 79753

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

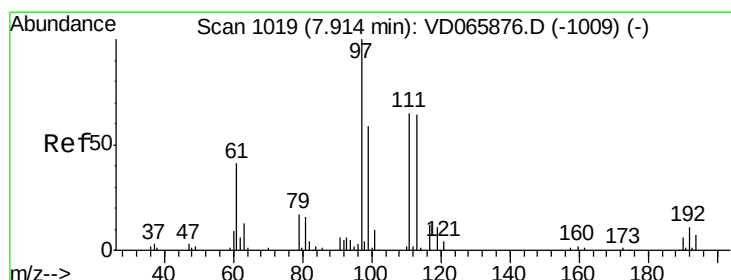
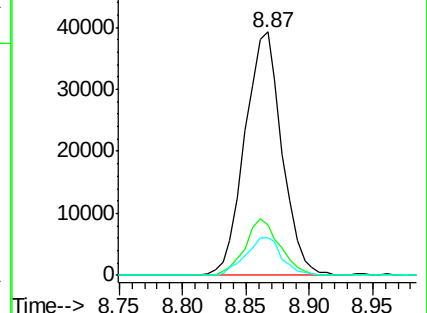
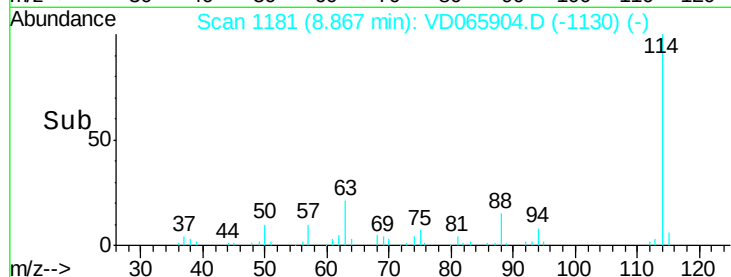
88 15.3 0.0 29.0



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: 53.380 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

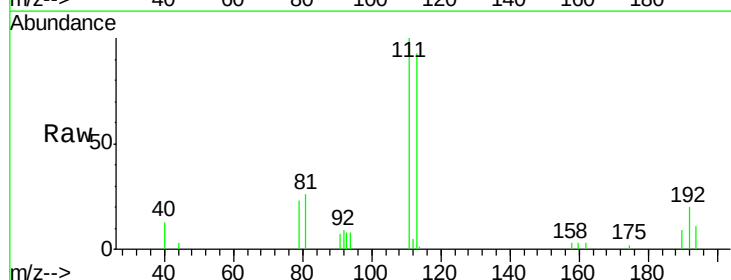
Tgt Ion:113 Resp: 26314

Ion Ratio Lower Upper

113 100

111 105.6 81.0 121.6

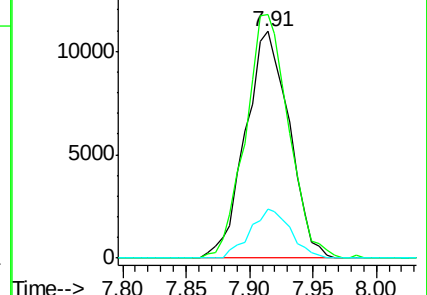
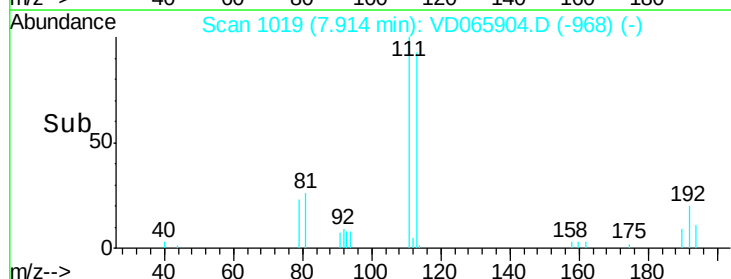
192 20.0 15.2 22.8

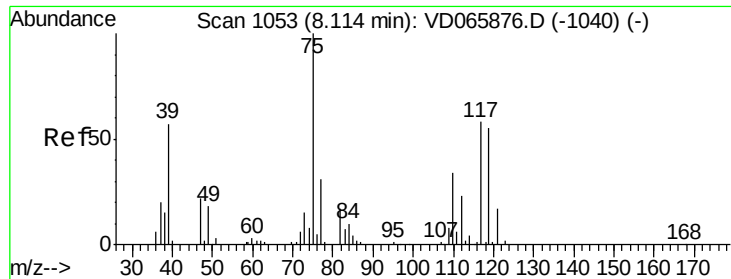


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

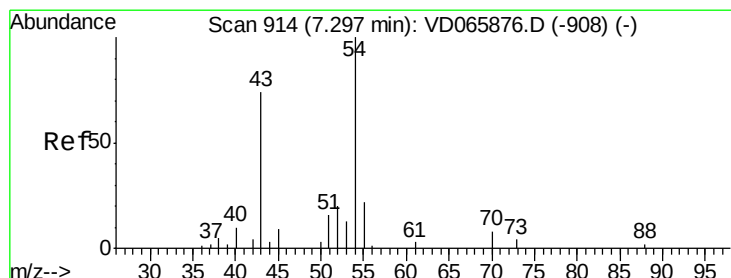
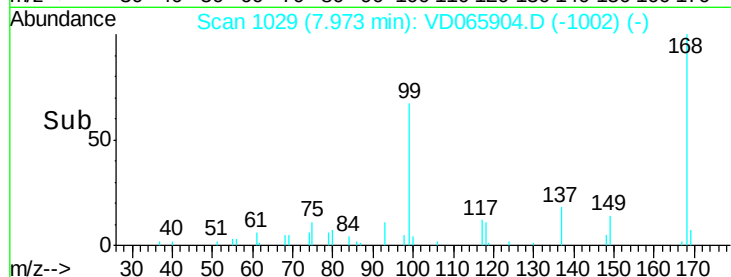
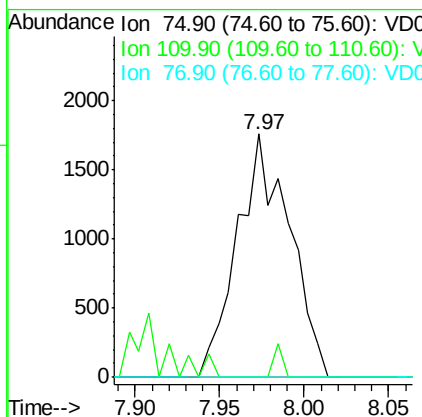
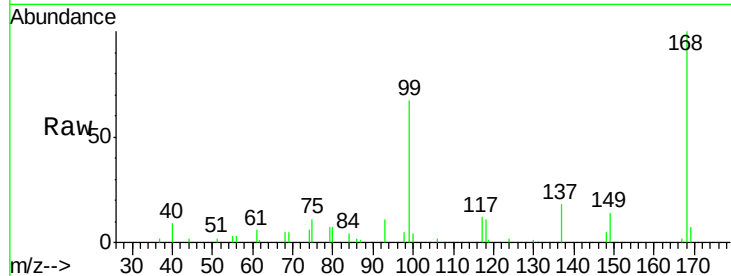




#36
 1,1-Dichloropropene
 Concen: 4.879 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD065904.D
 Acq: 01 Jul 2020 14:13

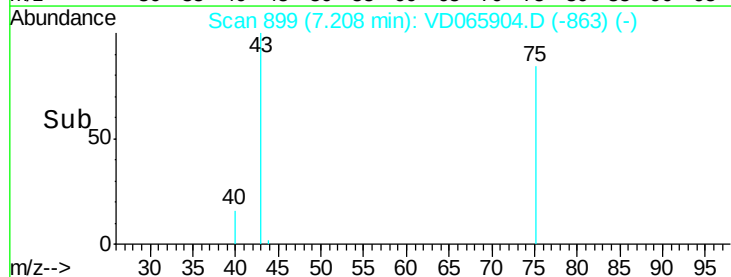
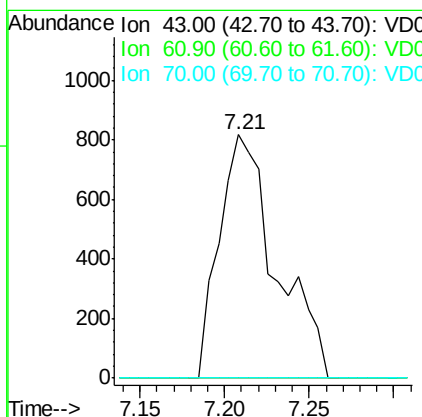
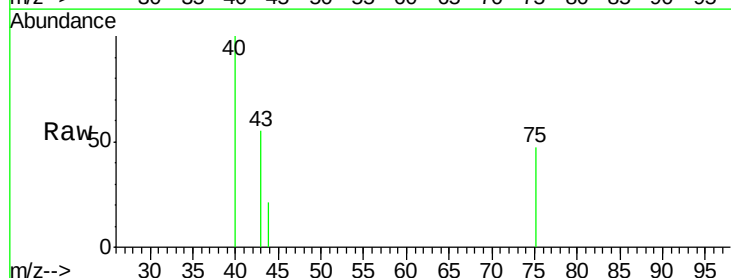
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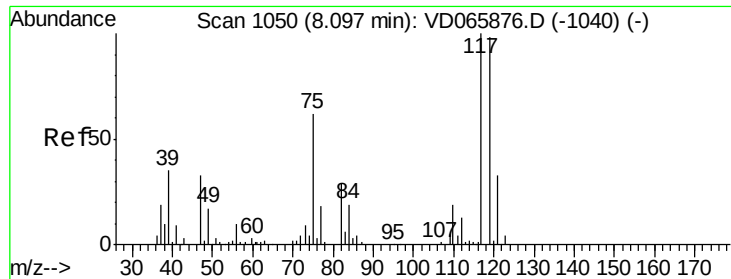
Tot Ion: 75 Resp: 3794
 Ion Ratio Lower Upper
 75 100
 110 2.2 16.8 50.4#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 6.423 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.09 min
 Lab File: VD065904.D
 Acq: 01 Jul 2020 14:13

Tgt Ion: 43 Resp: 1910
 Ion Ratio Lower Upper
 43 100
 61 0.0 0.0 0.0
 70 0.0 8.5 12.7#





#38

Carbon Tetrachloride

Concen: 5.470 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

MUDDY-DRUM

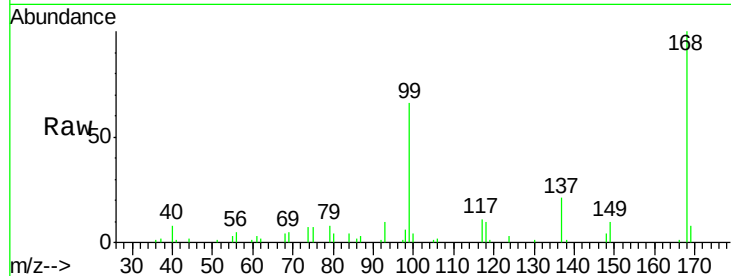
Tot Ion:117 Resp: 4594

Ion Ratio Lower Upper

117 100

119 11.4 78.6 117.8#

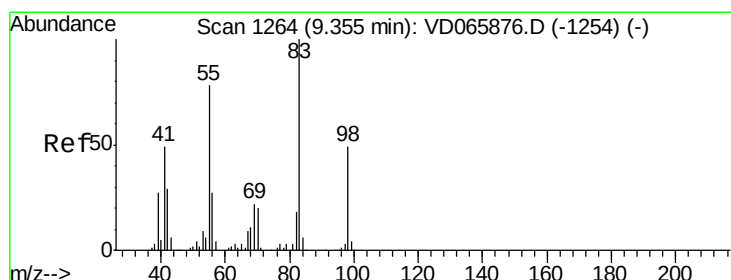
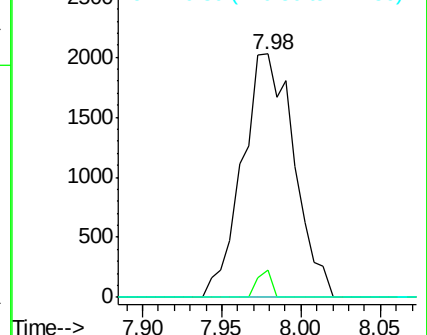
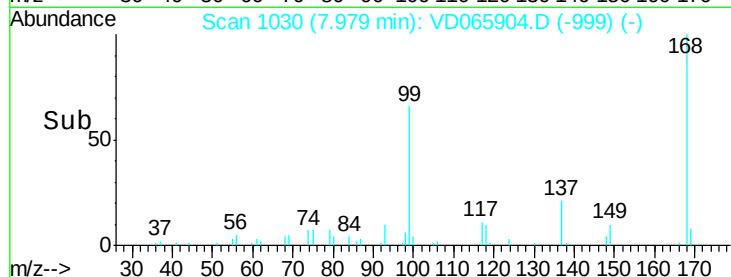
121 0.0 26.5 39.7#



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



#39

Methylcyclohexane

Concen: 1.245 ug/l

RT: 9.37 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

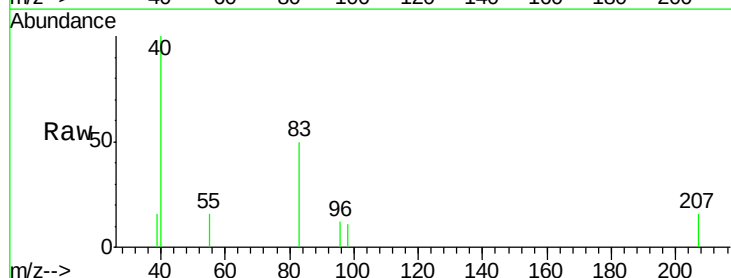
Tgt Ion: 83 Resp: 1150

Ion Ratio Lower Upper

83 100

55 32.3 62.2 93.4#

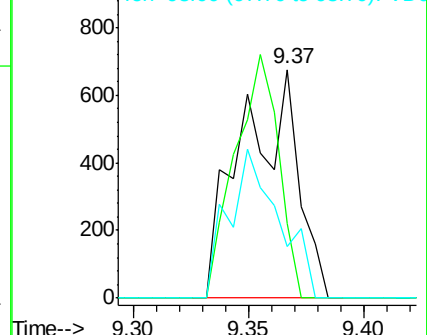
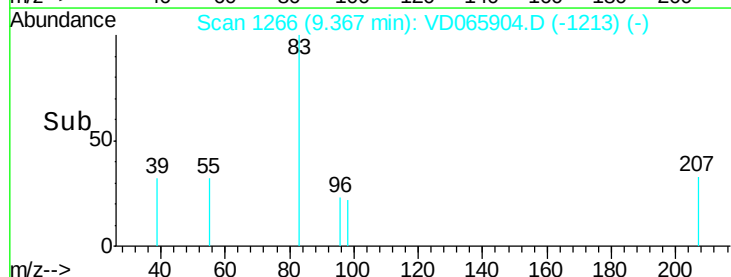
98 22.3 39.6 59.4#

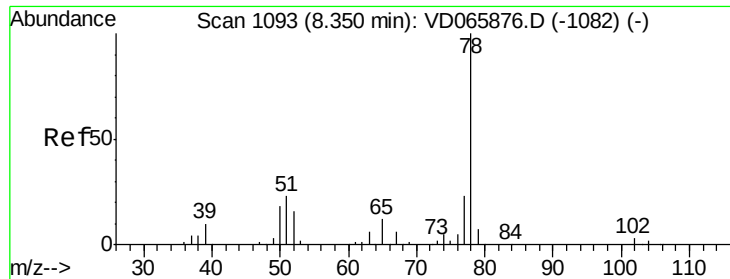


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC





#40

Benzene

Concen: 25.556 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

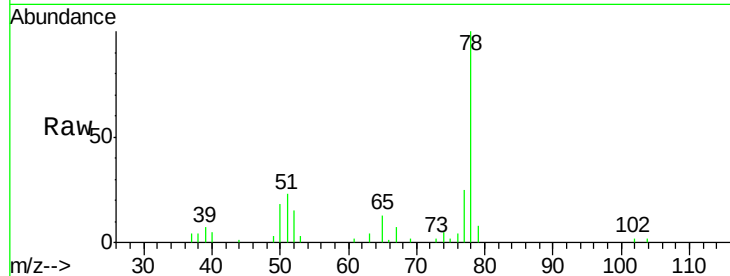
MUDDY-DRUM

Tot Ion: 78 Resp: 55138

Ion Ratio Lower Upper

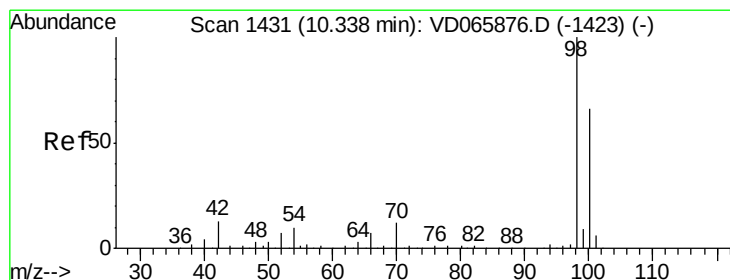
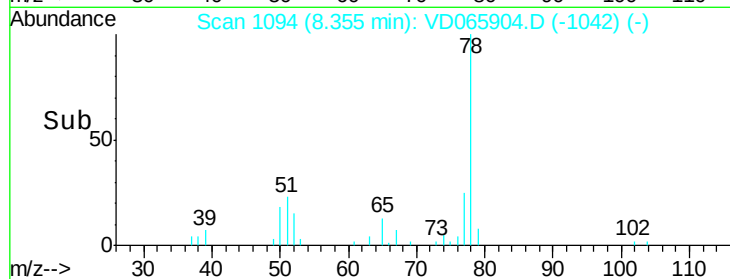
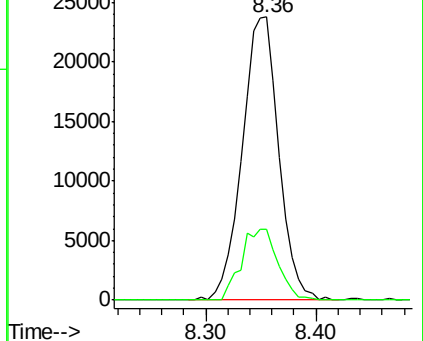
78 100

77 24.9 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC



#50

Toluene-d8

Concen: 44.780 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD065904.D

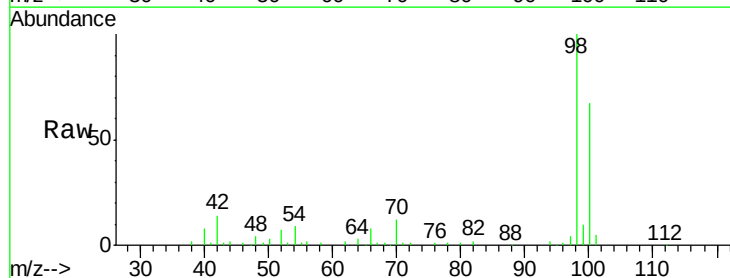
Acq: 01 Jul 2020 14:13

Tgt Ion: 98 Resp: 83038

Ion Ratio Lower Upper

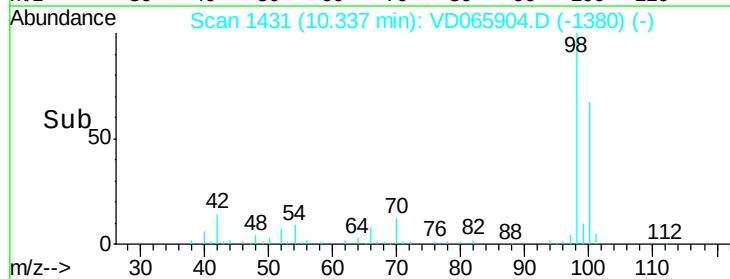
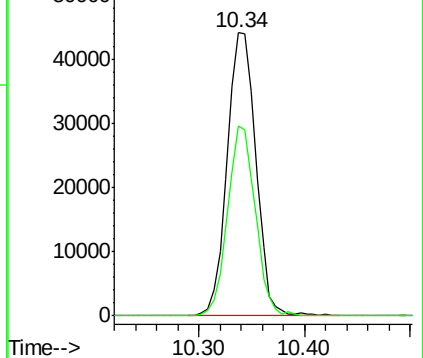
98 100

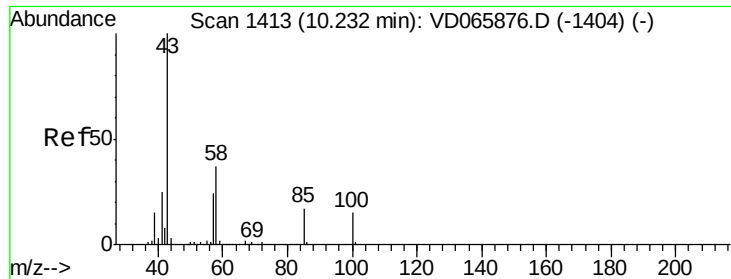
100 64.7 52.3 78.5



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: 3.300 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

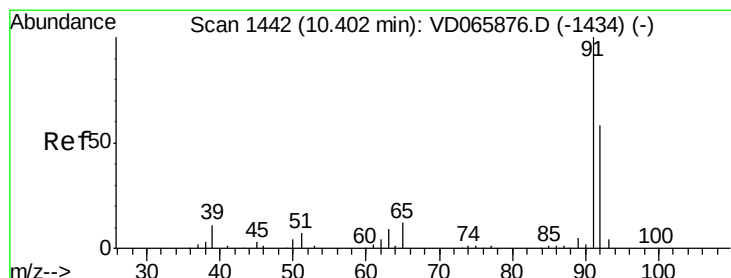
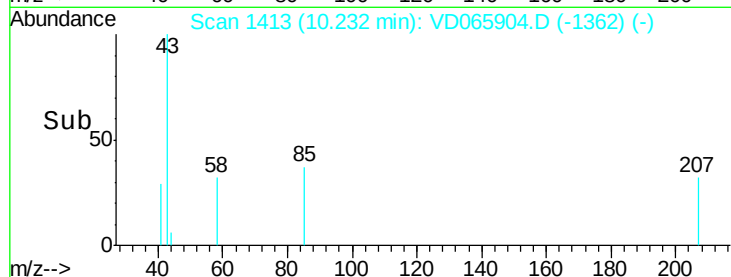
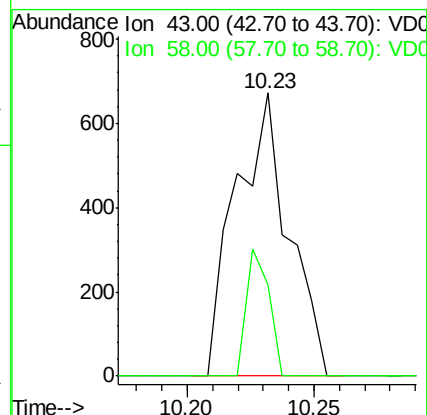
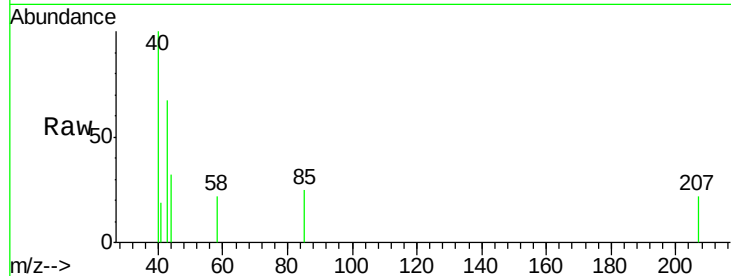
MUDDY-DRUM

Tot Ion: 43 Resp: 980

Ion Ratio Lower Upper

43 100

58 18.7 29.5 44.3#



#52

Toluene

Concen: 31.541 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065904.D

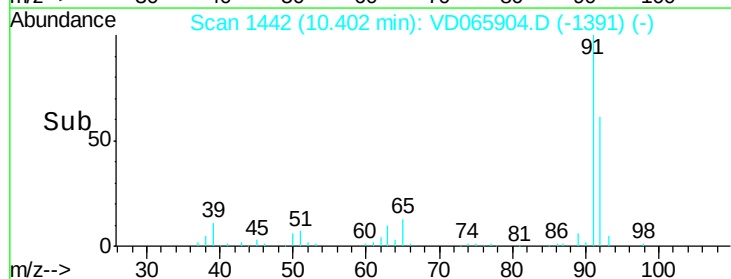
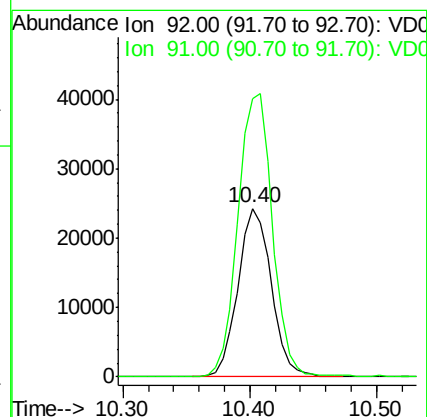
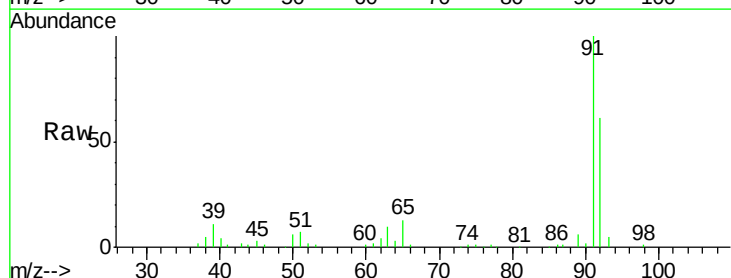
Acq: 01 Jul 2020 14:13

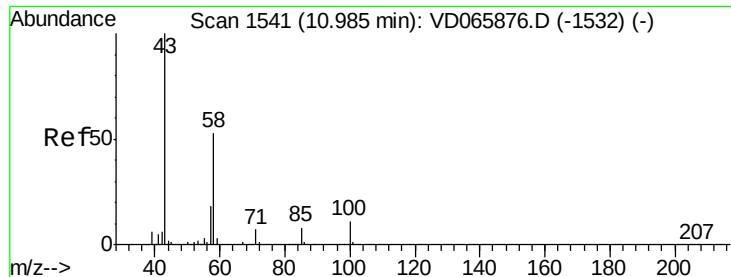
Tgt Ion: 92 Resp: 44244

Ion Ratio Lower Upper

92 100

91 173.5 140.8 211.2





#59

2-Hexanone

Concen: 1.446 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. -0.03 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

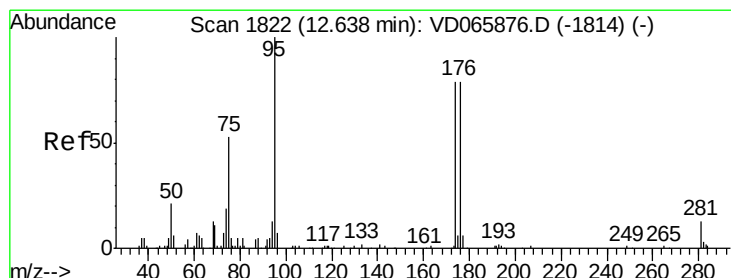
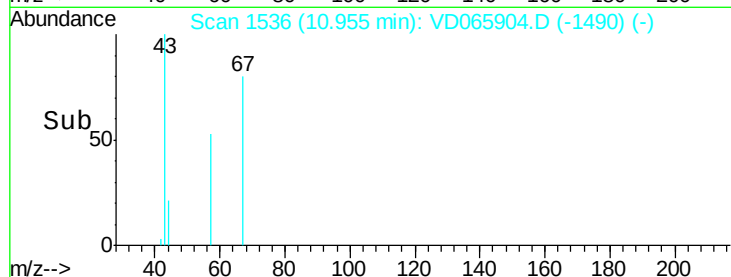
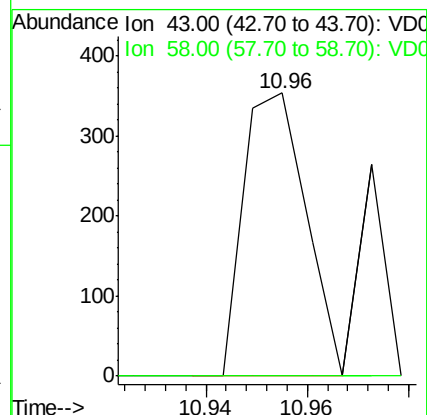
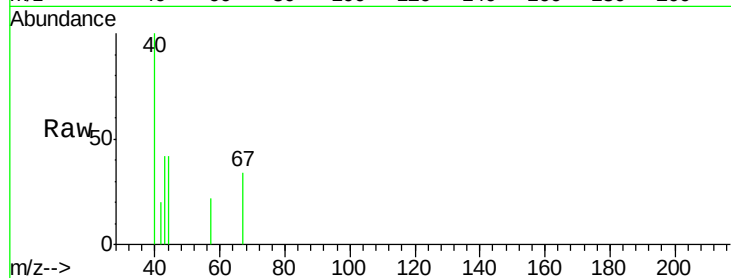
MUDDY-DRUM

Tot Ion: 43 Resp: 301

Ion Ratio Lower Upper

43 100

58 0.0 26.1 78.3#



#62

4-Bromofluorobenzene

Concen: 57.592 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

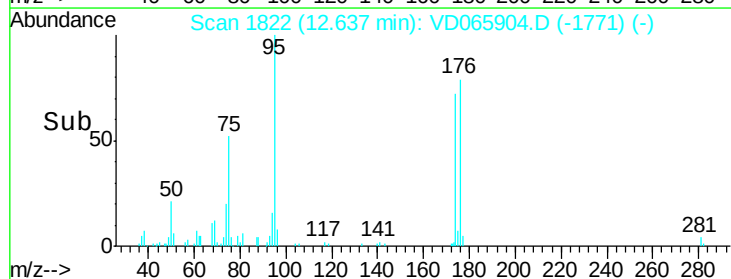
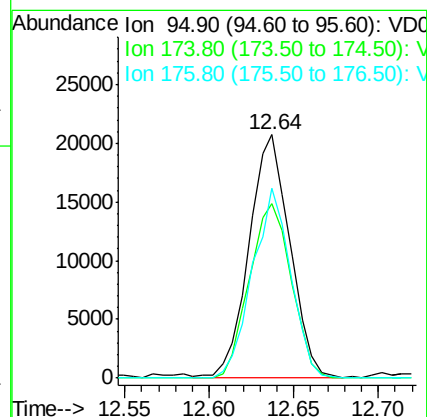
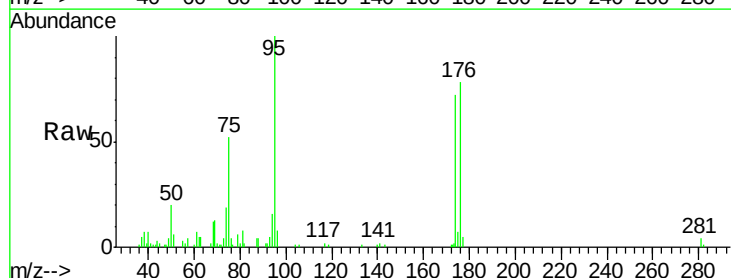
Tgt Ion: 95 Resp: 34986

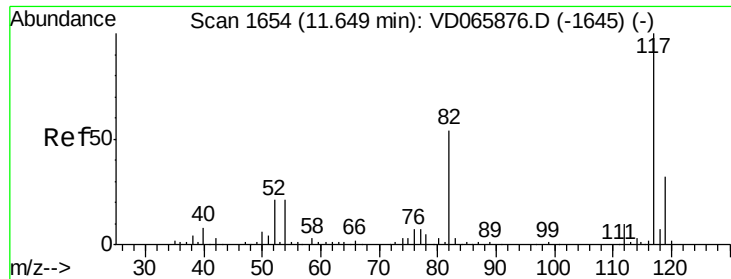
Ion Ratio Lower Upper

95 100

174 73.2 0.0 158.4

176 72.7 0.0 156.0

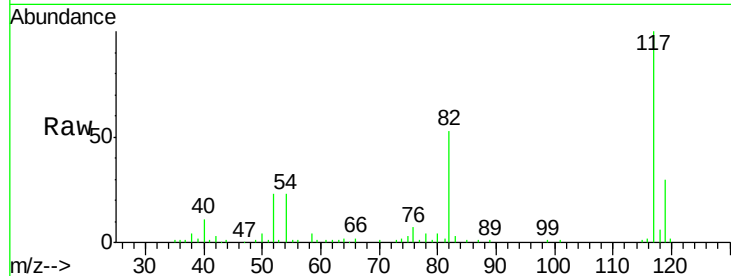




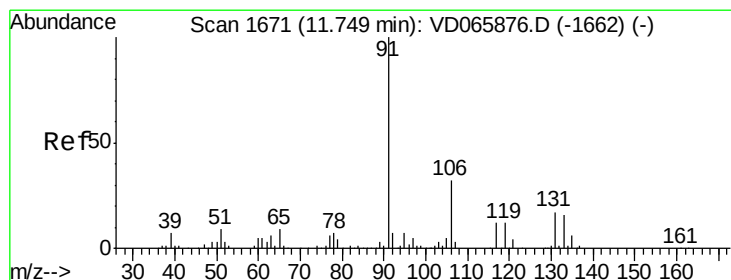
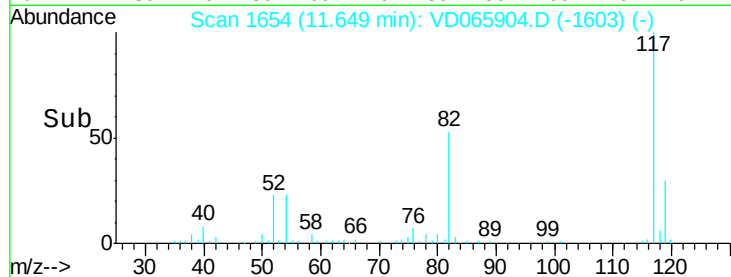
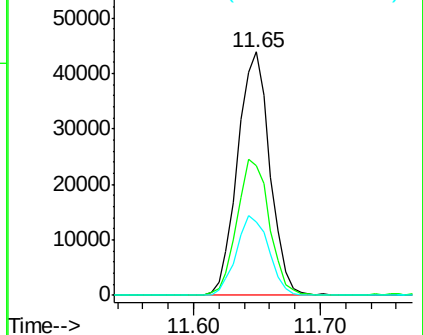
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

Instrument :
MSVOA_D
ClientSampleId :
MUDDY-DRUM

Tot Ion:117 Resp: 77242
Ion Ratio Lower Upper
117 100
82 53.2 43.6 65.4
119 30.2 25.9 38.9

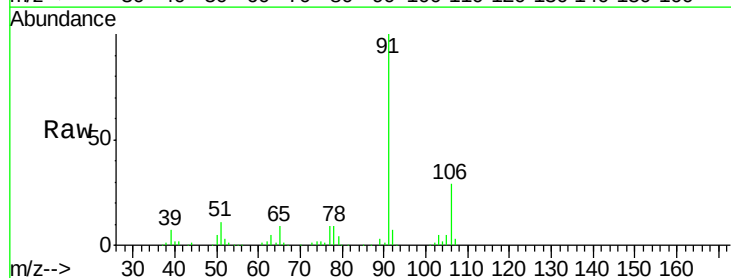


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VDC
Ion 118.90 (118.60 to 119.60): V

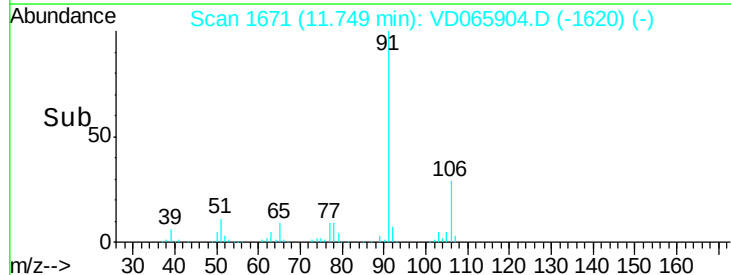
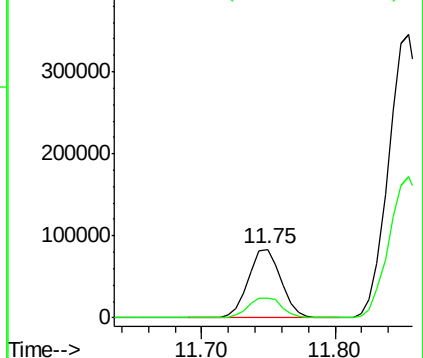


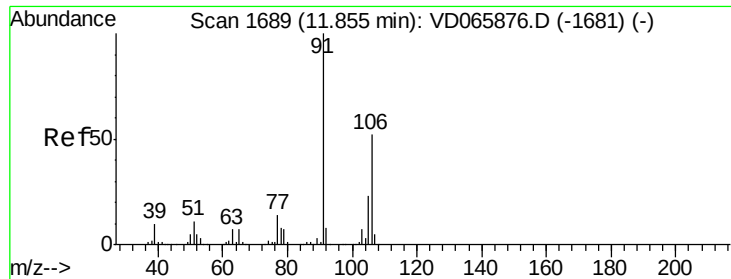
#67
Ethyl Benzene
Concen: 49.663 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

Tgt Ion: 91 Resp: 141320
Ion Ratio Lower Upper
91 100
106 29.3 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.00 (105.70 to 106.70): V

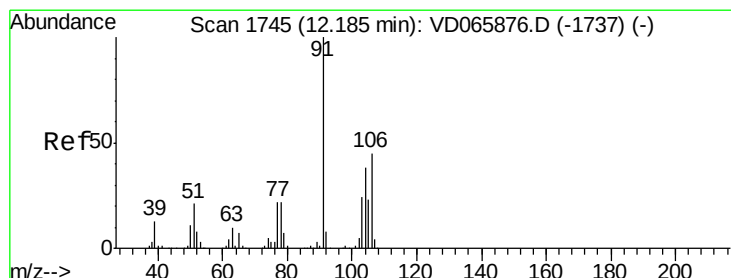
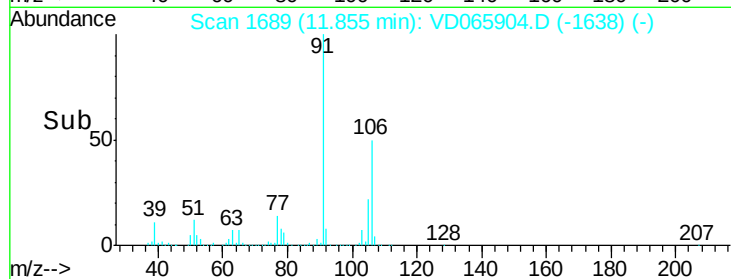
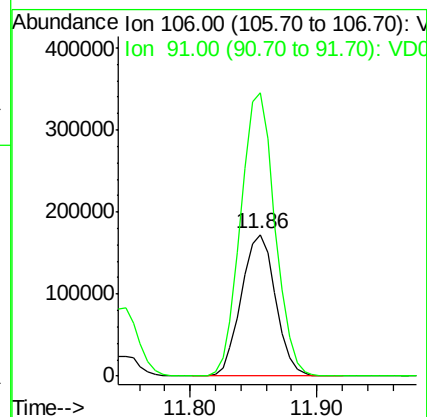
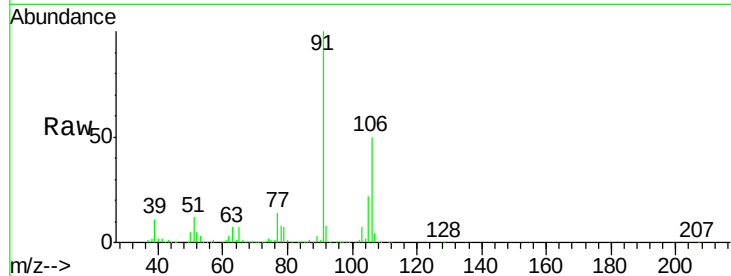




#68
m/p-Xylenes
Concen: 298.858 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

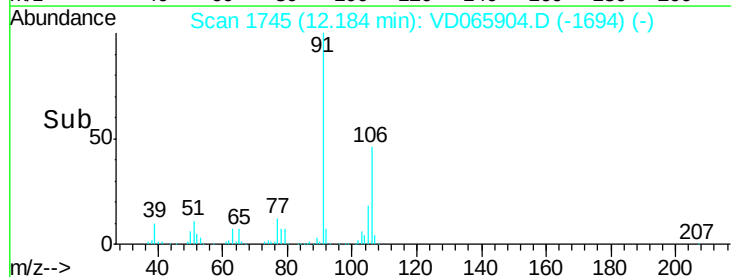
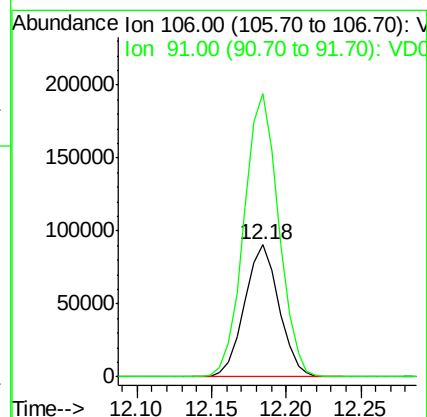
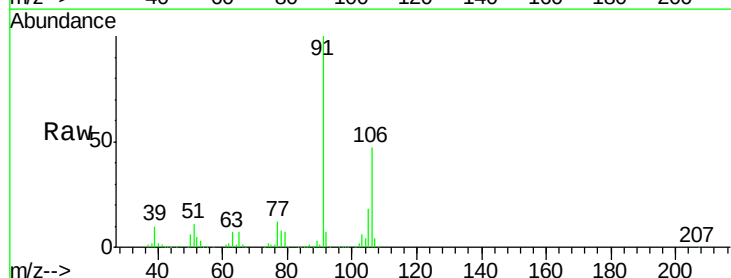
Instrument :
MSVOA_D
ClientSampleId :
MUDDY-DRUM

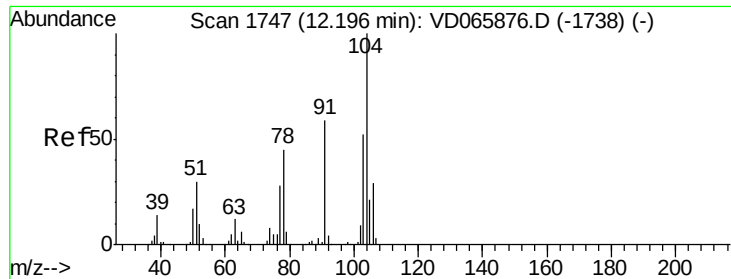
Tot Ion:106 Resp: 323788
Ion Ratio Lower Upper
106 100
91 199.4 159.5 239.3



#69
o-Xylene
Concen: 148.280 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

Tgt Ion:106 Resp: 144364
Ion Ratio Lower Upper
106 100
91 216.4 107.5 322.6

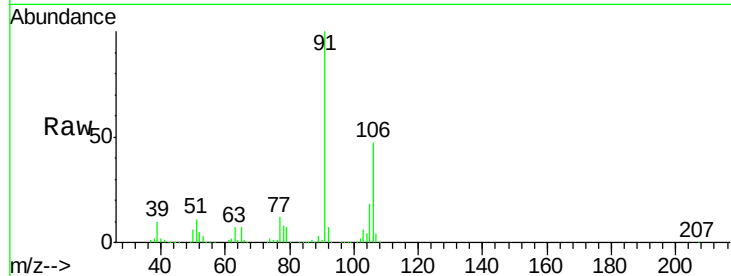




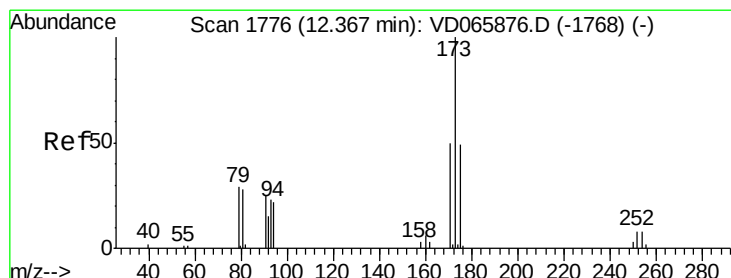
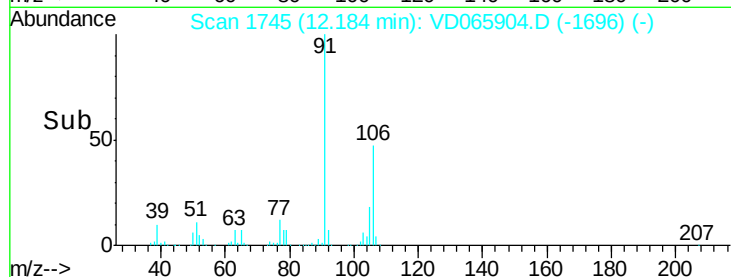
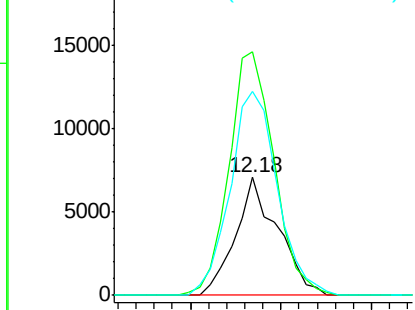
#70
Stvrene
Concen: 6.763 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

Instrument :
MSVOA_D
ClientSampleId :
MUDDY-DRUM

Tot Ion:104 Resp: 11513
Ion Ratio Lower Upper
104 100
78 218.8 39.8 59.6#
103 193.4 44.6 66.8#

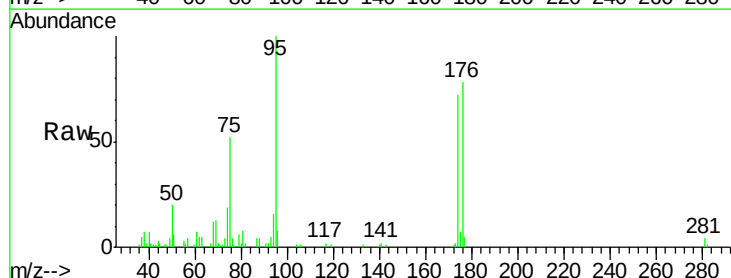


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

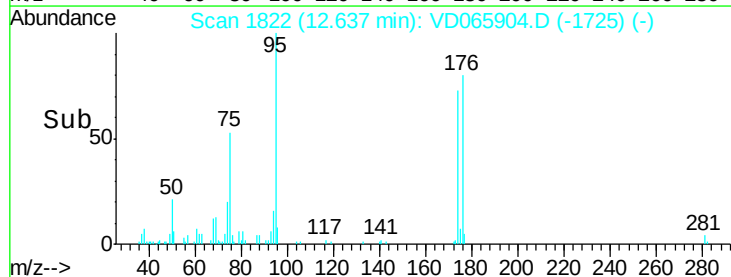
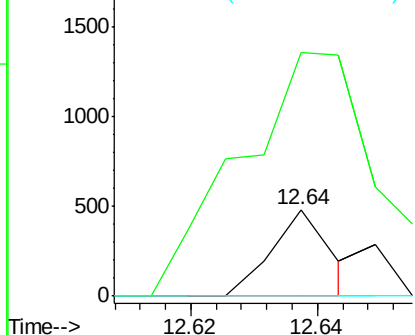


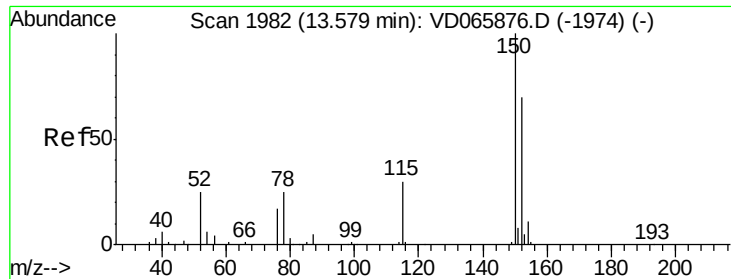
#71
Bromoform
Concen: 1.016 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

Tgt Ion:173 Resp: 308
Ion Ratio Lower Upper
173 100
175 530.5 23.9 71.8#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



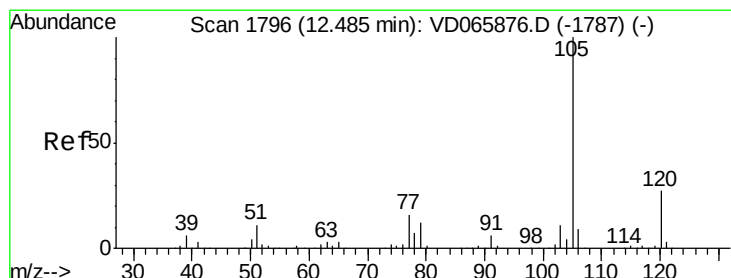
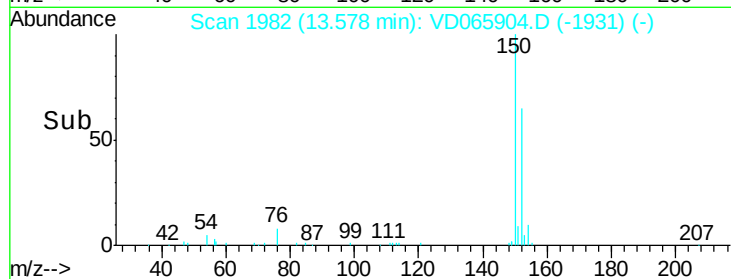
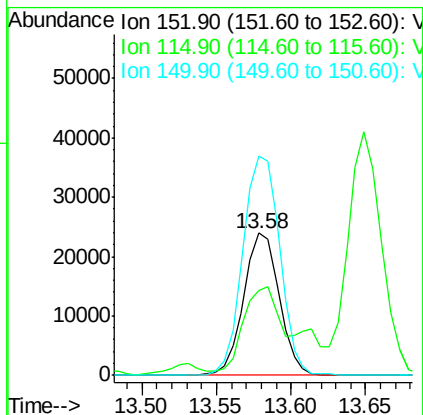
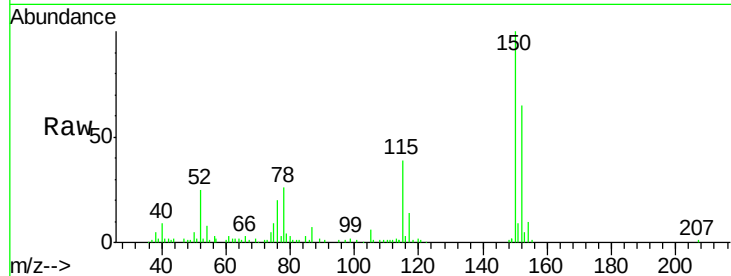


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

Instrument :
MSVOA_D
ClientSampleId :
MUDDY-DRUM

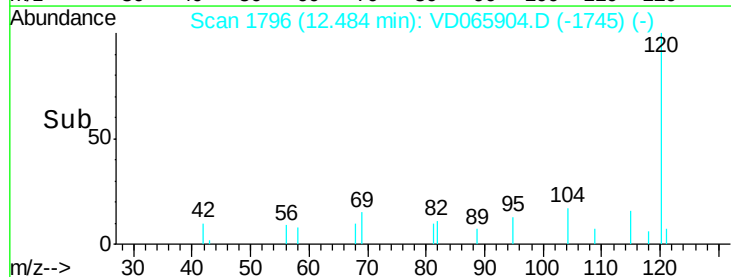
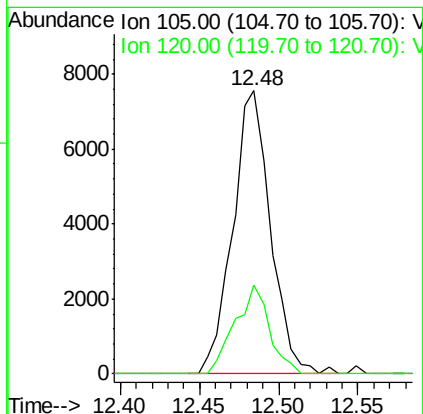
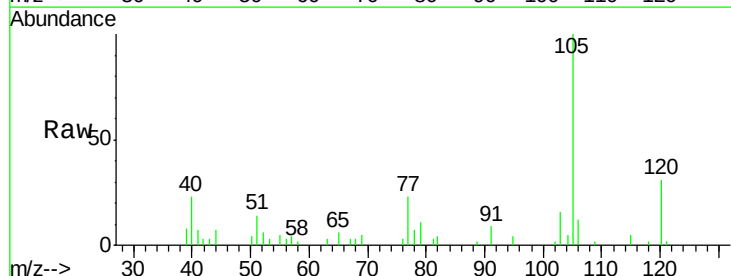
Tot Ion:152 Resp: 39419
Ion Ratio Lower Upper
152 100
115 64.8 29.7 89.1
150 160.6 0.0 346.2

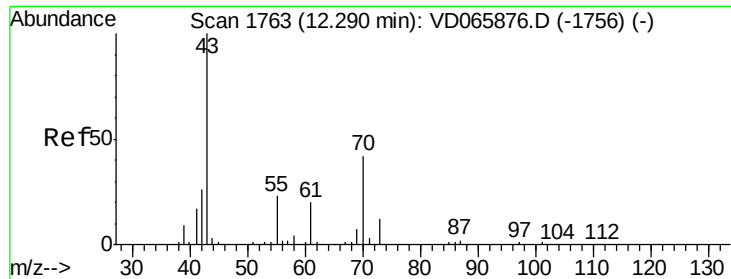


#73

Isopropylbenzene
Concen: 4.423 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065904.D
Acq: 01 Jul 2020 14:13

Tgt Ion:105 Resp: 12488
Ion Ratio Lower Upper
105 100
120 28.4 13.3 39.8





#74

N-amvl acetate

Concen: 2.376 ug/l

RT: 12.26 min Scan# 1758

Delta R.T. -0.03 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

MUDDY-DRUM

Tot Ion: 43 Resp: 1482

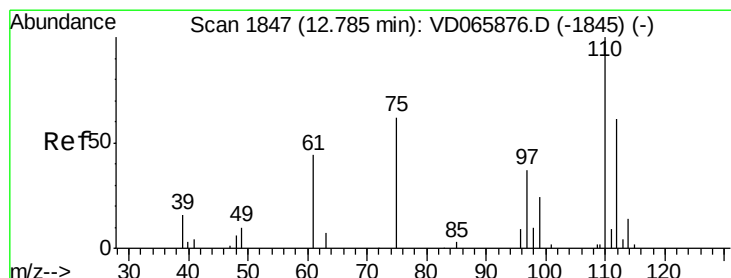
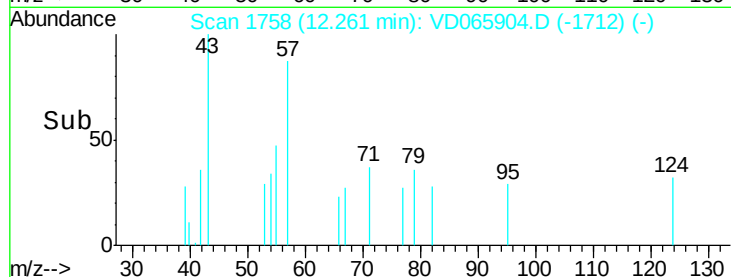
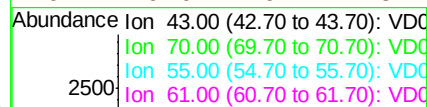
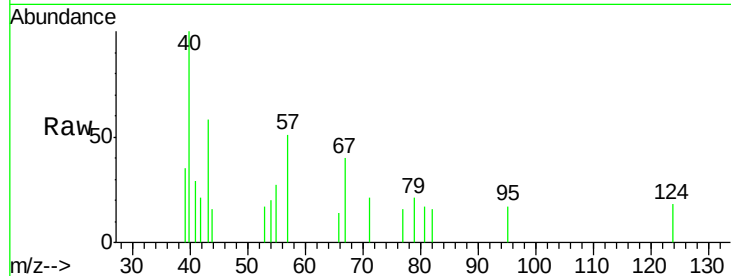
Ion Ratio Lower Upper

43 100

70 0.0 32.5 48.7#

55 95.2 18.7 28.1#

61 0.0 16.7 25.1#



#76

1,2,3-Trichloropropane

Concen: 1.824 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.05 min

Lab File: VD065904.D

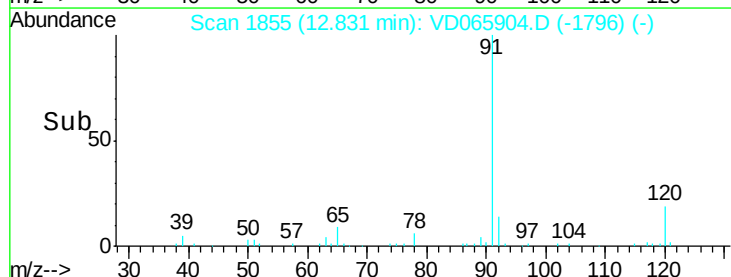
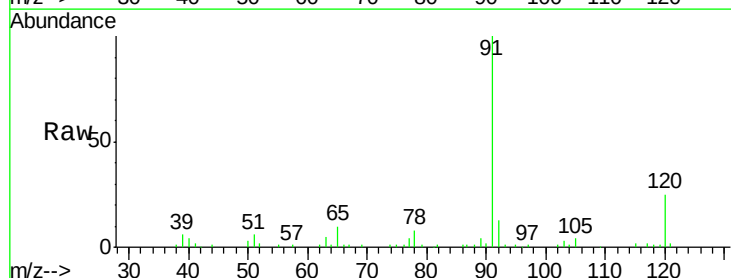
Acq: 01 Jul 2020 14:13

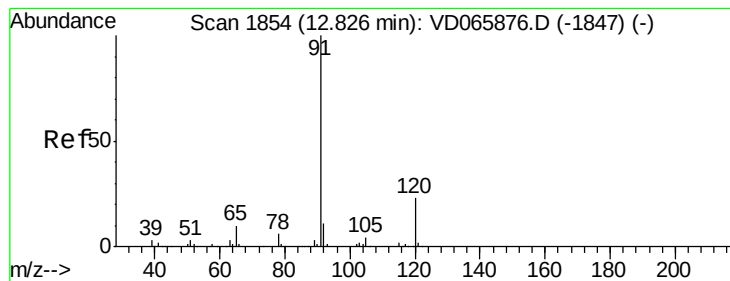
Tgt Ion: 75 Resp: 629

Ion Ratio Lower Upper

75 100

77 557.7 168.5 505.5#





#78

n-propylbenzene

Concen: 25.461 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

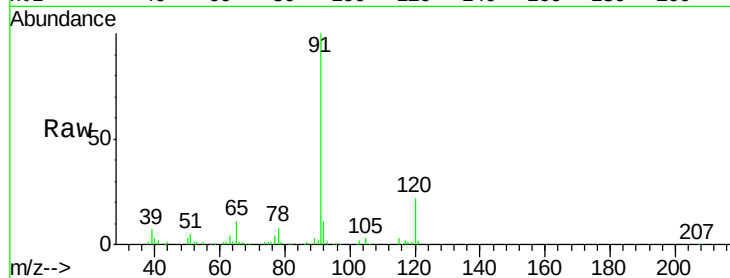
MUDDY-DRUM

Tot Ion: 91 Resp: 86604

Ion Ratio Lower Upper

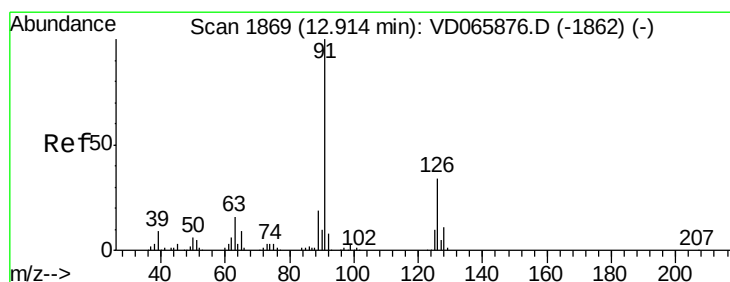
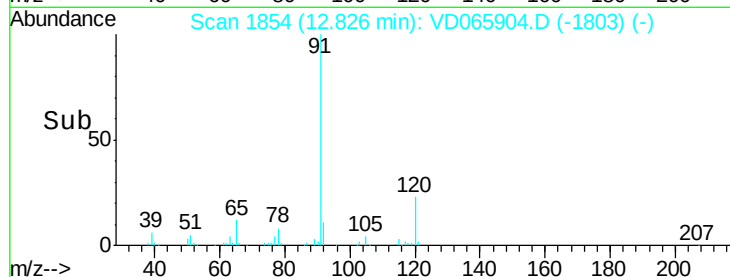
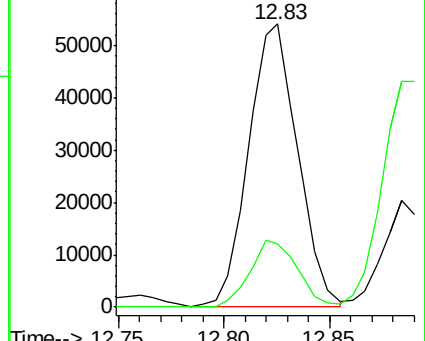
91 100

120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): VDC



#79

2-Chlorotoluene

Concen: 6.938 ug/l

RT: 13.13 min Scan# 1905

Delta R.T. 0.21 min

Lab File: VD065904.D

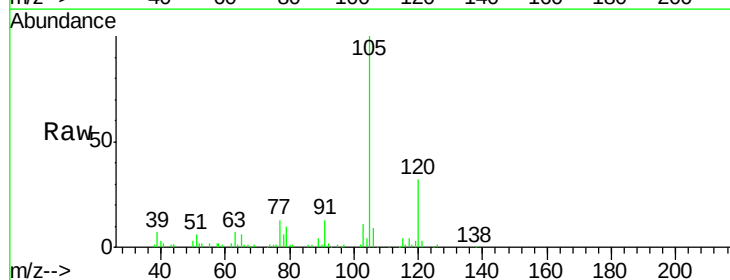
Acq: 01 Jul 2020 14:13

Tgt Ion: 91 Resp: 12998

Ion Ratio Lower Upper

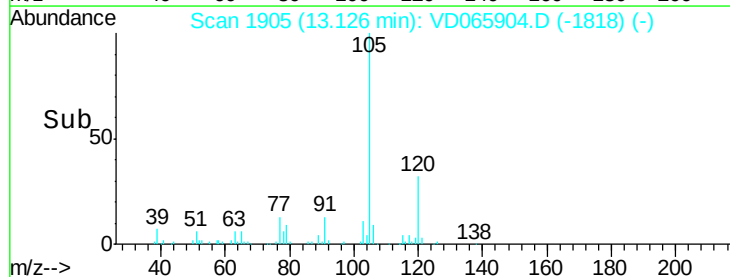
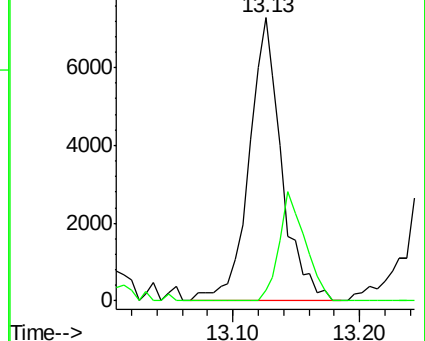
91 100

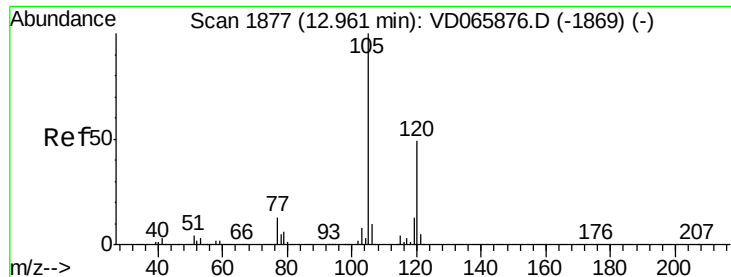
126 30.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

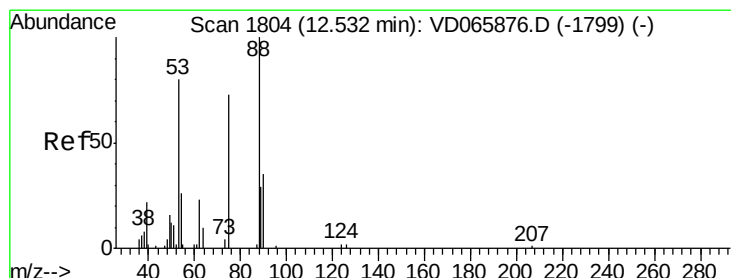
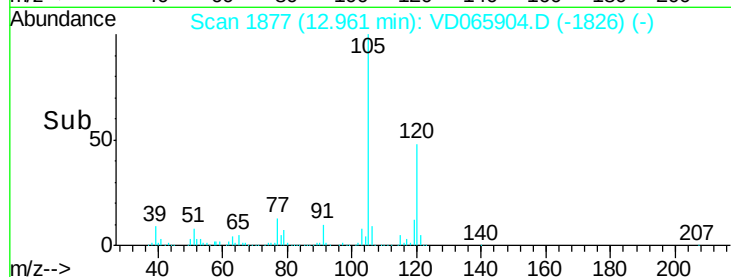
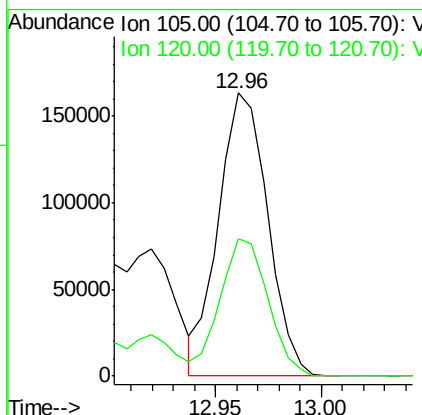
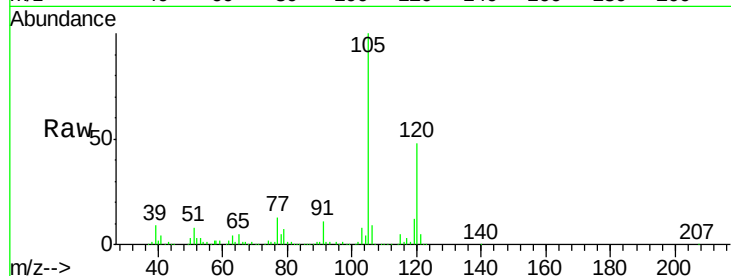




#80
 1,3,5-Trimethylbenzene
 Concen: 111.902 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD065904.D
 Acq: 01 Jul 2020 14:13

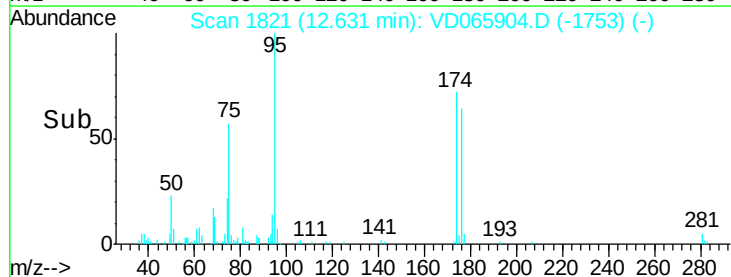
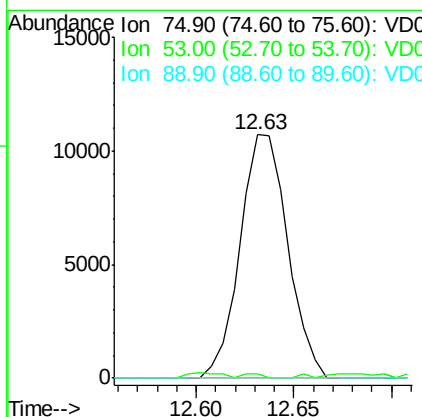
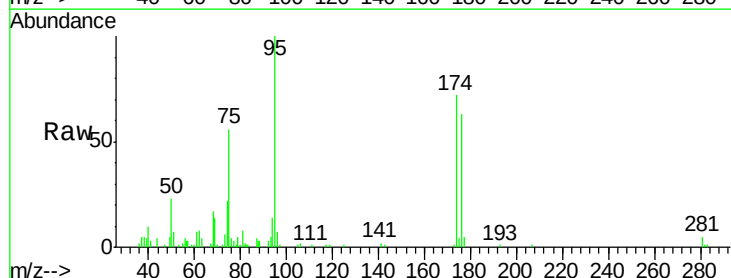
Instrument :
 MSVOA_D
 ClientSampleId :
 MUDDY-DRUM

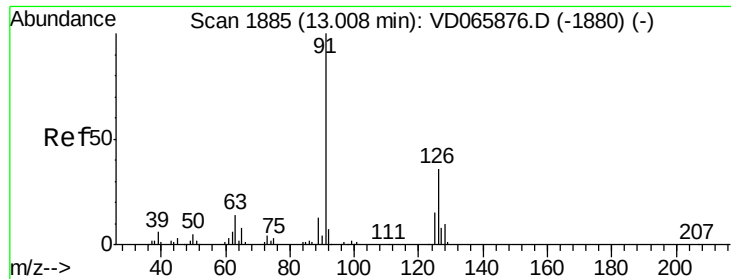
Tot Ion:105 Resp: 264109
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.879 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD065904.D
 Acq: 01 Jul 2020 14:13

Tgt Ion: 75 Resp: 18123
 Ion Ratio Lower Upper
 75 100
 53 0.8 80.6 121.0#
 89 0.0 36.5 54.7#





#82

4-Chlorotoluene

Concen: 6.492 ug/l

RT: 13.13 min Scan# 1905

Delta R.T. 0.12 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

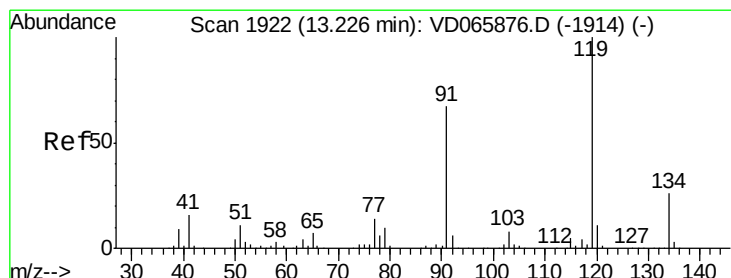
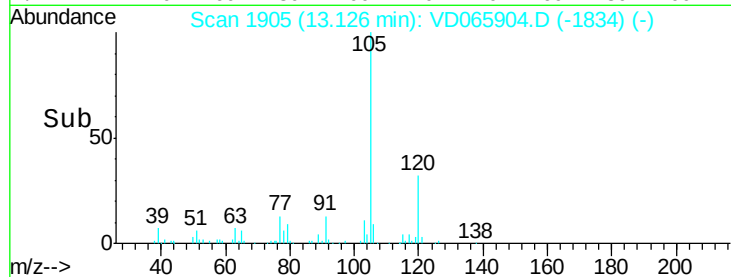
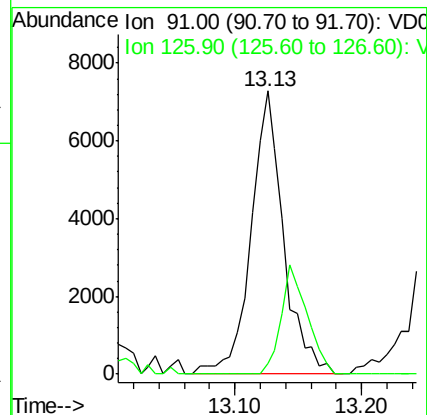
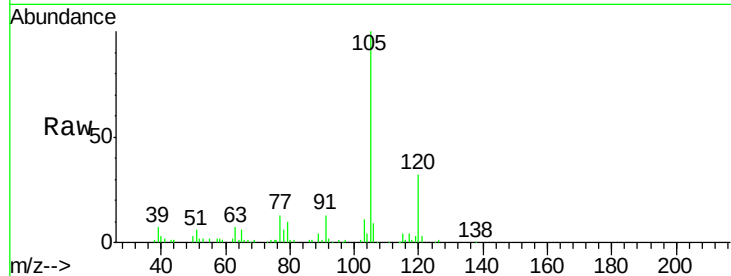
MUDDY-DRUM

Tot Ion: 91 Resp: 12998

Ion Ratio Lower Upper

91 100

126 30.7 16.6 49.8



#83

tert-Butylbenzene

Concen: 58.243 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.05 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

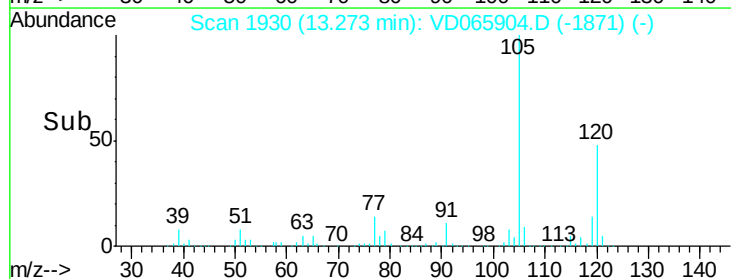
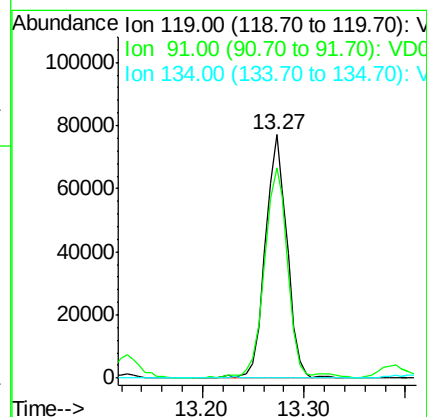
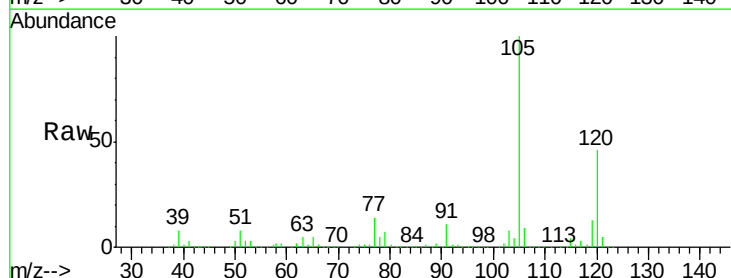
Tgt Ion: 119 Resp: 115683

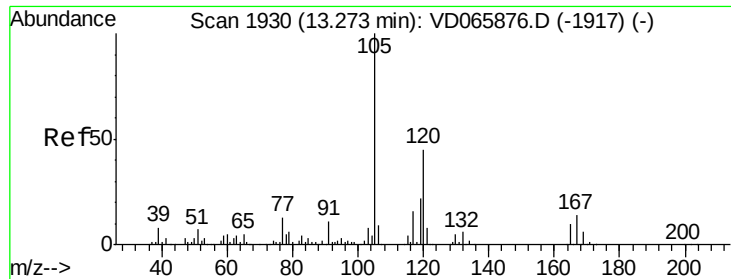
Ion Ratio Lower Upper

119 100

91 92.2 32.2 96.6

134 0.0 13.5 40.4#

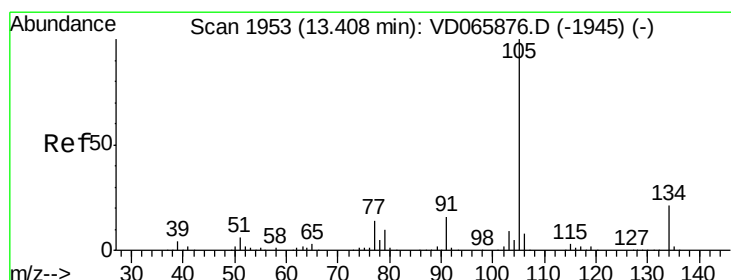
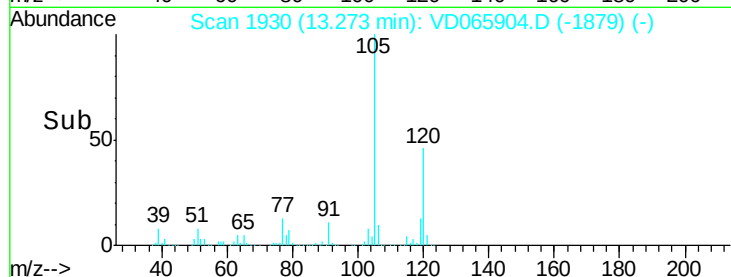
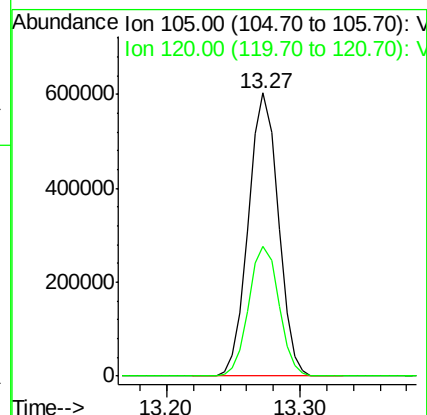
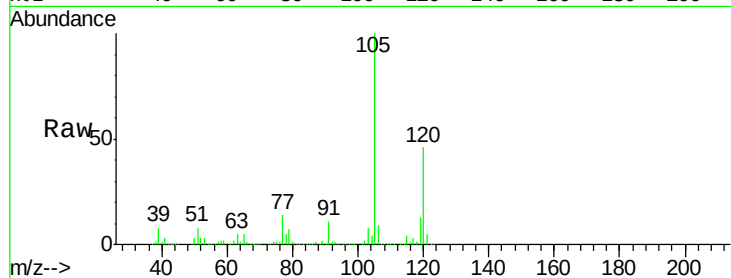




#84
 1,2,4-Trimethylbenzene
 Concen: 400.808 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065904.D
 Acq: 01 Jul 2020 14:13

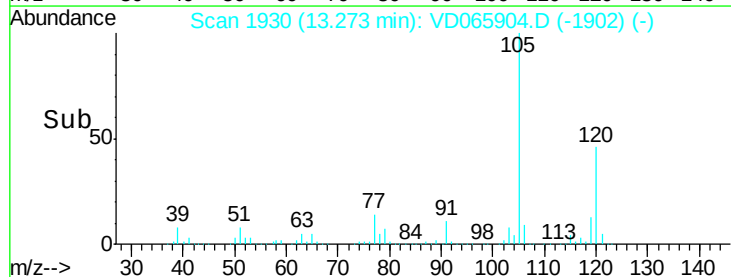
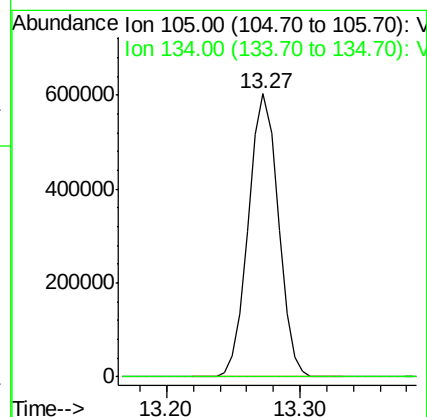
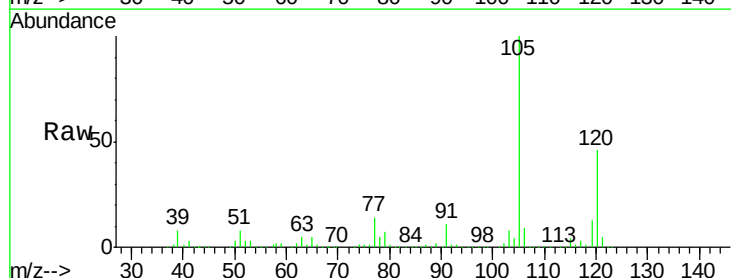
Instrument :
 MSVOA_D
 ClientSampleId :
 MUDDY-DRUM

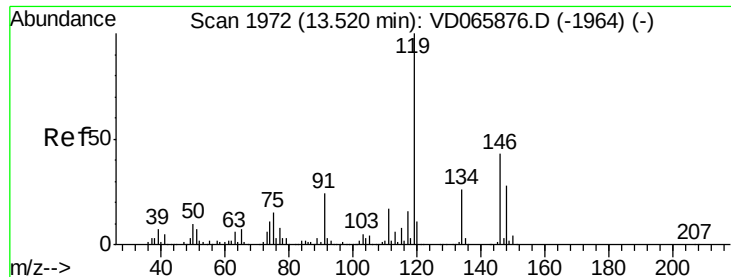
Tot Ion:105 Resp: 931860
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 329.220 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.14 min
 Lab File: VD065904.D
 Acq: 01 Jul 2020 14:13

Tgt Ion:105 Resp: 931860
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#

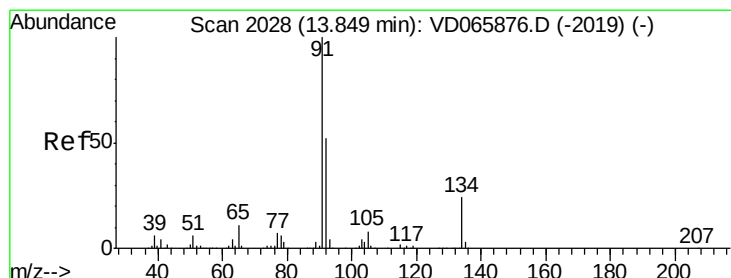
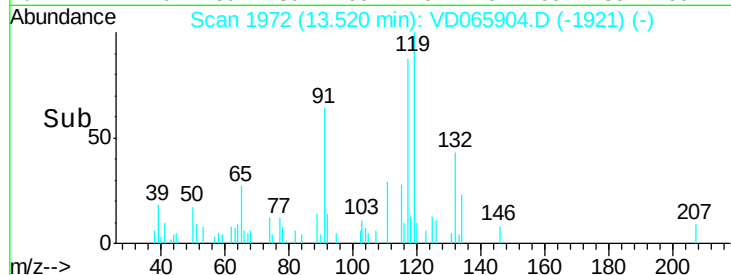
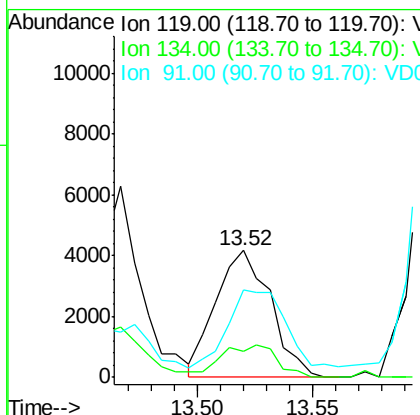
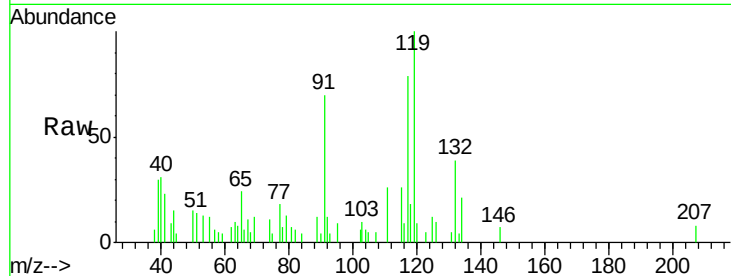




#86
 p-Isopropyltoluene
 Concen: 2.690 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065904.D
 Acq: 01 Jul 2020 14:13

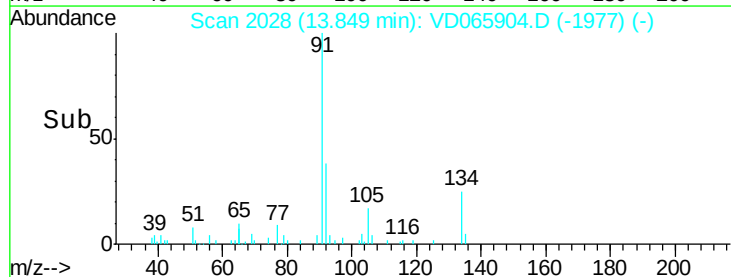
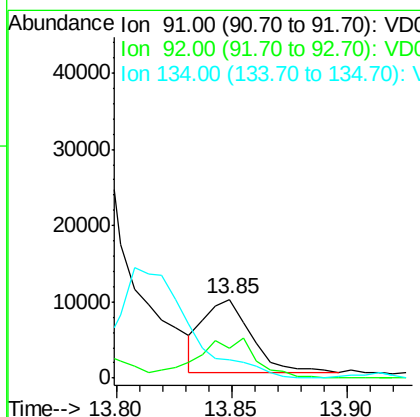
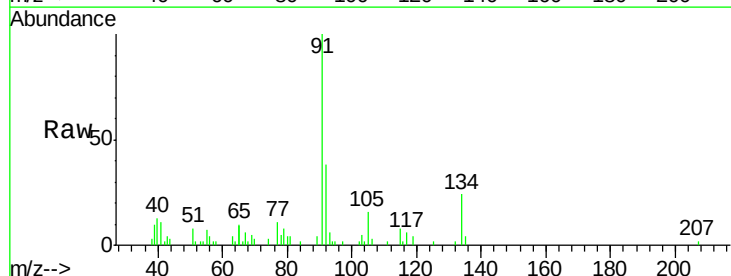
Instrument :
 MSVOA_D
 ClientSampleId :
 MUDDY-DRUM

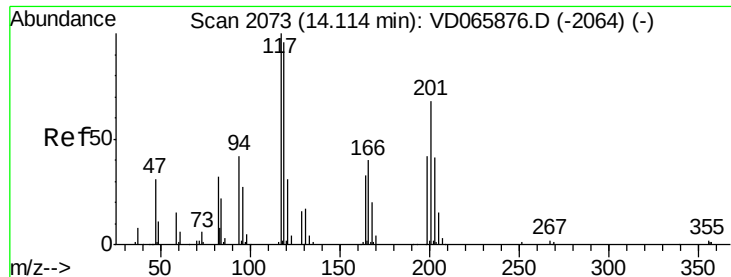
Tot Ion: 119 Resp: 6916
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.4 40.1
 91 63.7 12.0 36.1#



#89
 n-Butylbenzene
 Concen: 5.521 ug/l
 RT: 13.85 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: VD065904.D
 Acq: 01 Jul 2020 14:13

Tgt Ion: 91 Resp: 13840
 Ion Ratio Lower Upper
 91 100
 92 66.9 26.5 79.4
 134 0.0 12.4 37.2#





#90

Hexachloroethane

Concen: 34.064 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

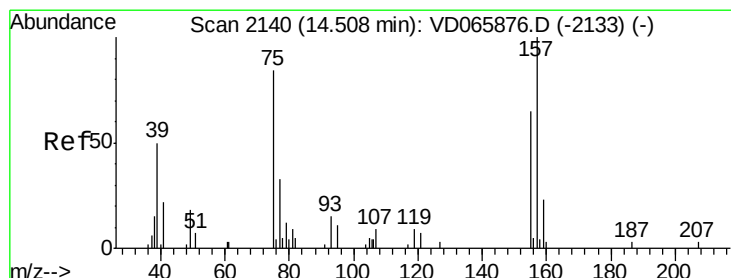
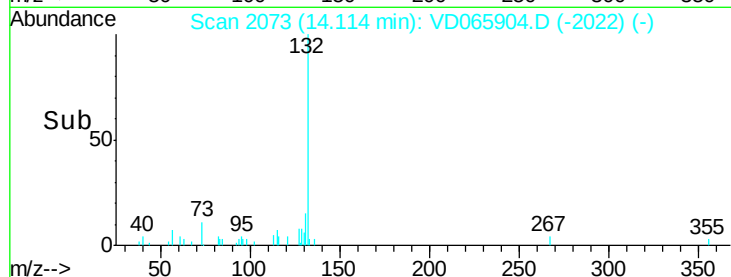
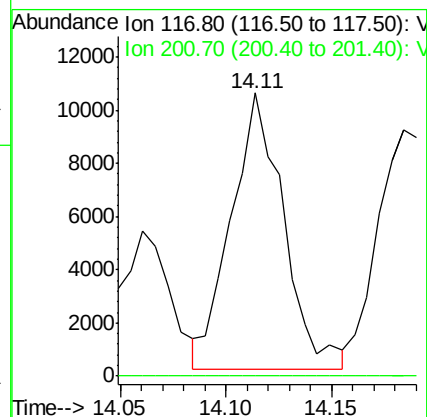
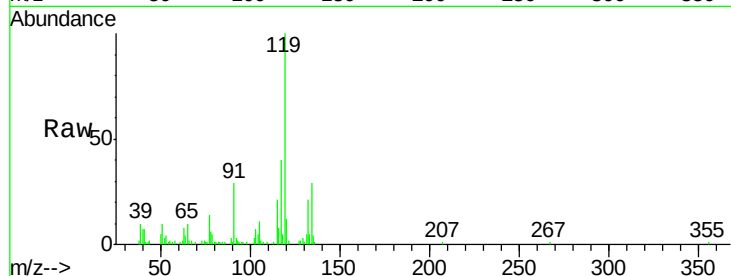
MUDDY-DRUM

Tot Ion:117 Resp: 17872

Ion Ratio Lower Upper

117 100

201 0.0 35.1 105.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.099 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD065904.D

Acq: 01 Jul 2020 14:13

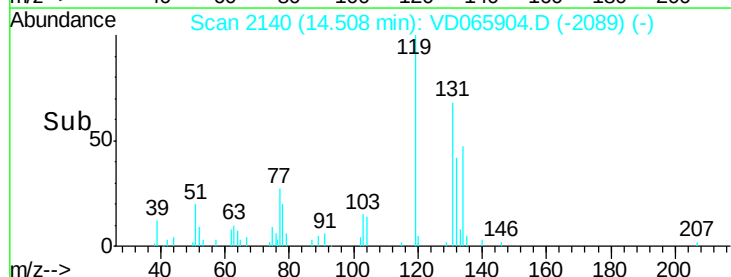
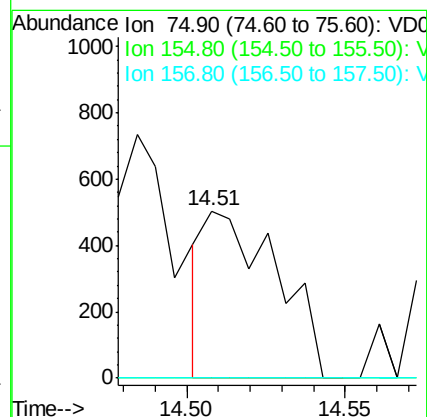
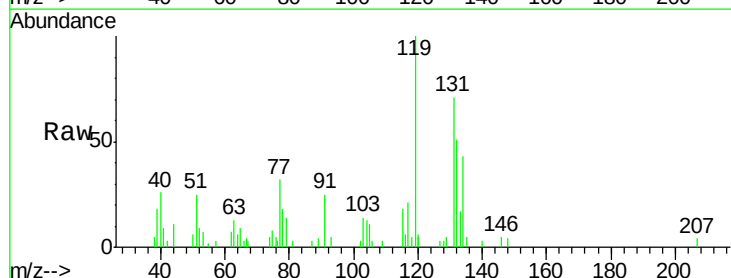
Tgt Ion: 75 Resp: 799

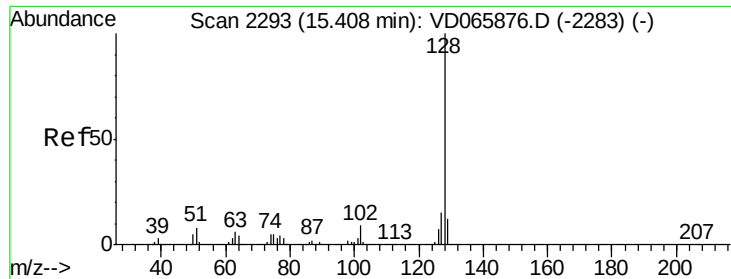
Ion Ratio Lower Upper

75 100

155 0.0 37.8 113.3#

157 0.0 50.6 151.8#





#95

Naphthalene

Concen: 3434.568 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065904.D

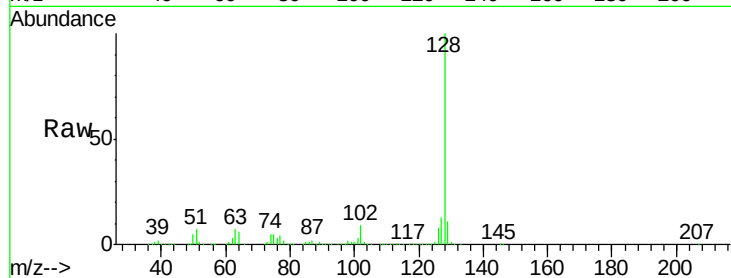
Acq: 01 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

MUDDY-DRUM



Tot Ion:128 Resp: 4223611

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 11.1 8.8 13.2

