

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073574.D
 Acq On : 14 Jun 2022 17:34
 Operator : VA/SY
 Sample : N3293-03
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 30875

Quant Time: Jun 15 01:37:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

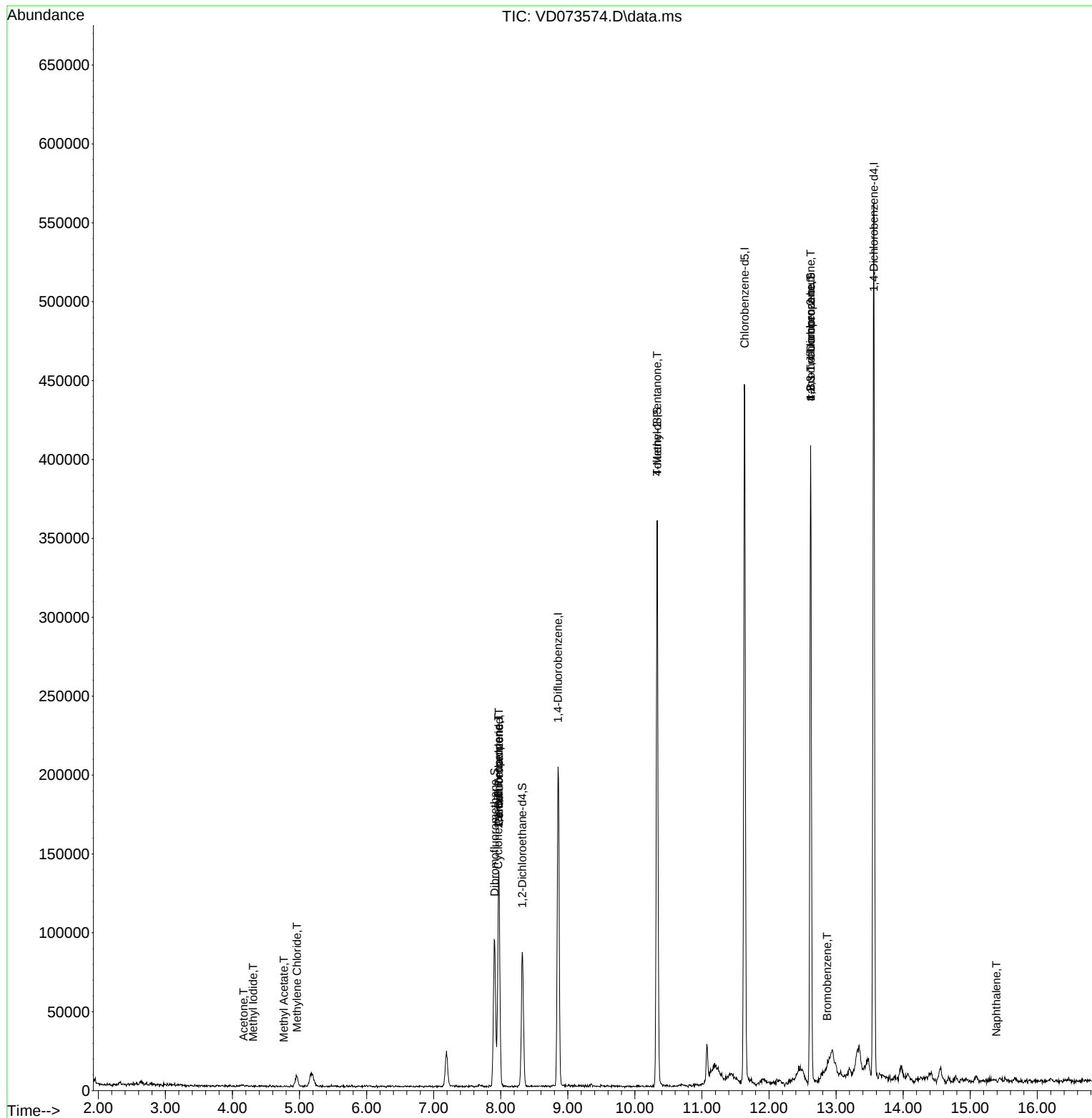
Internal Standards						
1) Pentafluorobenzene	7.973	168	97996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	176937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	262171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	153002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	69171	65.775	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.560%	
35) Dibromofluoromethane	7.909	113	67637	59.447	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.900%	
50) Toluene-d8	10.332	98	235335	54.706	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.420%	
62) 4-Bromofluorobenzene	12.620	95	134908	86.387	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 172.780%#	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	368	4.452	ug/l #	38
11) Tert butyl alcohol	5.185	59	10735	Below Cal	#	74
16) Acetone	4.168	43	1901	10.266	ug/l	97
18) Methyl Acetate	4.767	43	60	1.481	ug/l #	55
20) Methylene Chloride	4.962	84	5017	1.131	ug/l #	69
31) Cyclohexane	7.961	56	2008	1.133	ug/l #	42
36) 1,1-Dichloropropene	7.967	75	8181	4.787	ug/l #	51
38) Carbon Tetrachloride	7.973	117	10252	5.735	ug/l #	22
51) 4-Methyl-2-Pentanone	10.332	43	909	1.353	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	66340	44.633	ug/l #	100
77) Bromobenzene	12.867	156	4732	1.827	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	66340	104.760	ug/l #	7
95) Naphthalene	15.390	128	1285	4.417	ug/l #	63

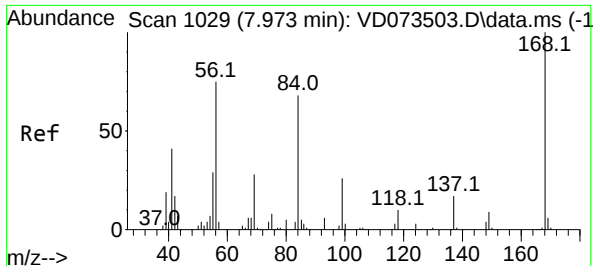
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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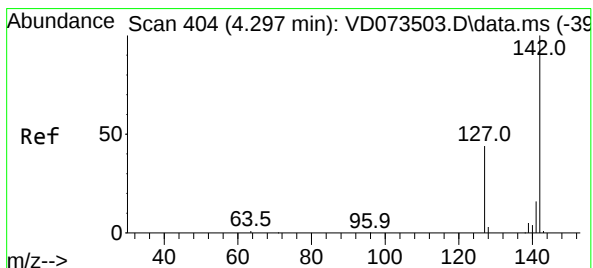
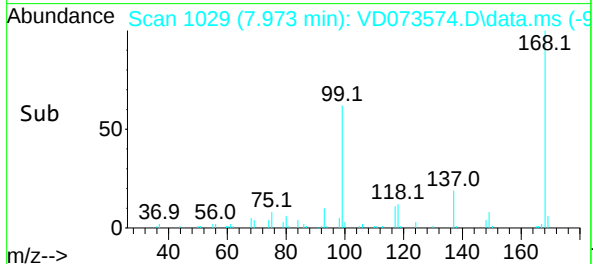
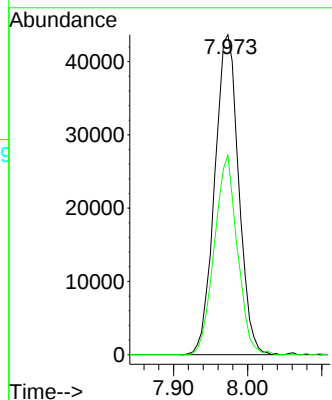
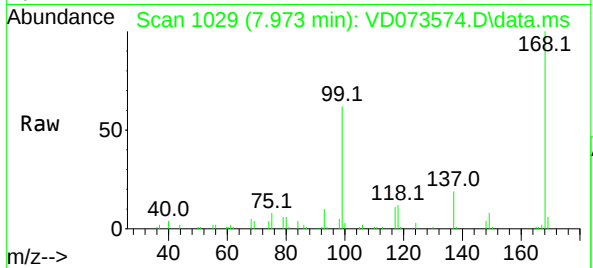




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

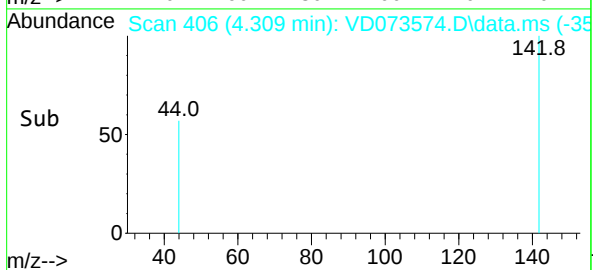
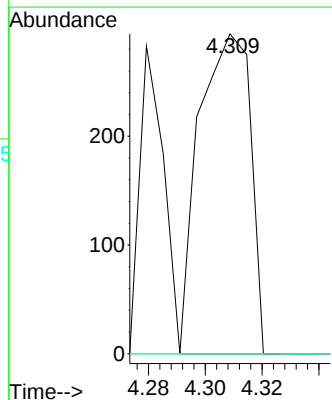
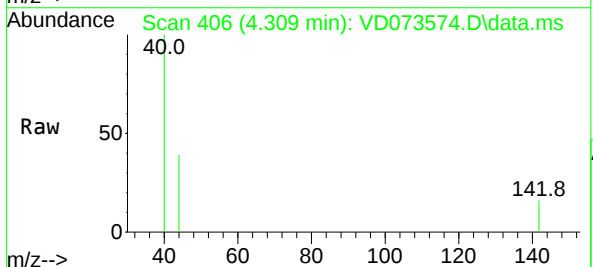
Instrument :
MSVOA_D
ClientSampleId :
30875

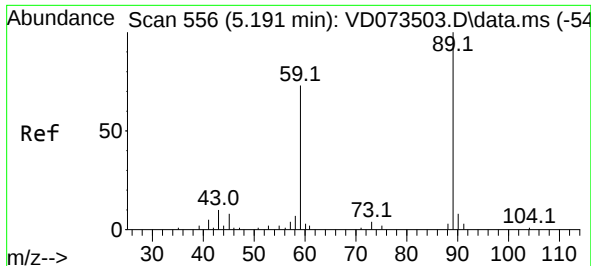
Tgt Ion:168 Resp: 97996
Ion Ratio Lower Upper
168 100
99 62.3 49.8 74.6



#10
Methyl Iodide
Concen: 4.452 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

Tgt Ion:142 Resp: 368
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

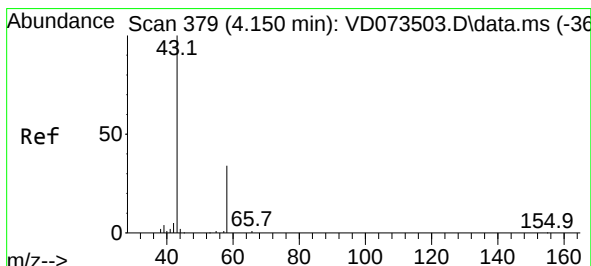
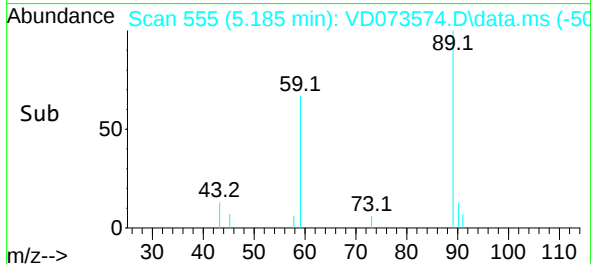
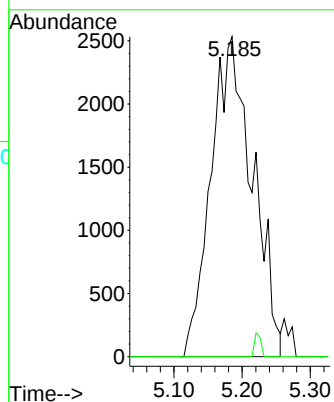
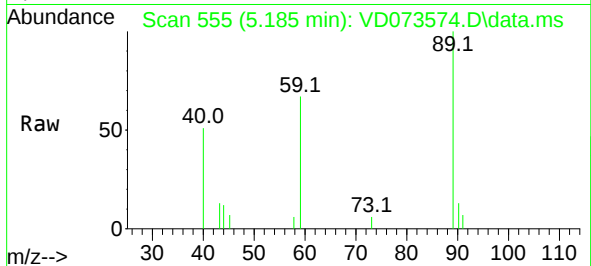




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

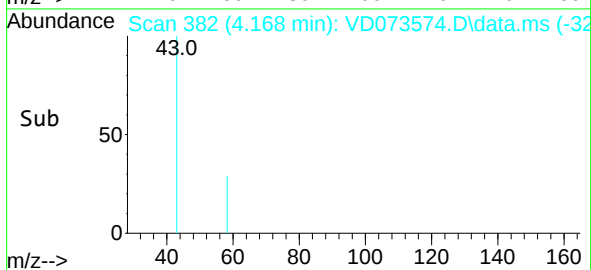
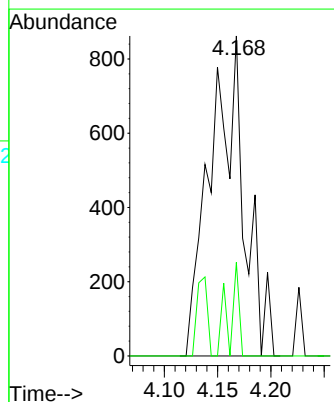
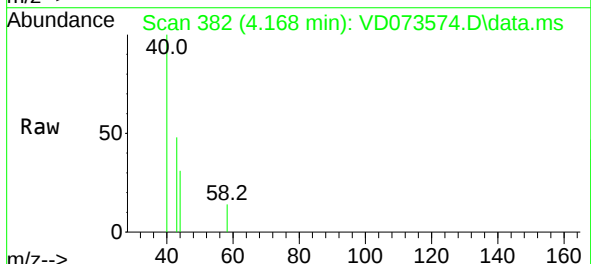
Instrument :
MSVOA_D
ClientSampleId :
30875

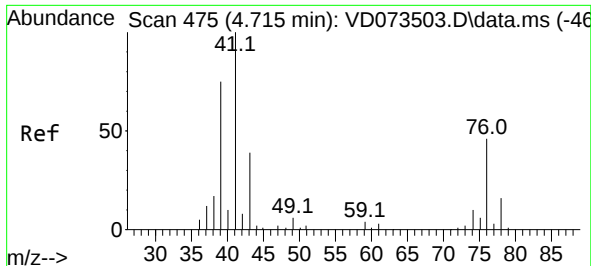
Tgt Ion: 59 Resp: 10735
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 10.266 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.018 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

Tgt Ion: 43 Resp: 1901
Ion Ratio Lower Upper
43 100
58 29.2 22.1 33.1

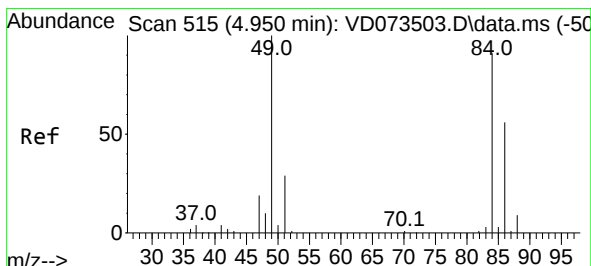
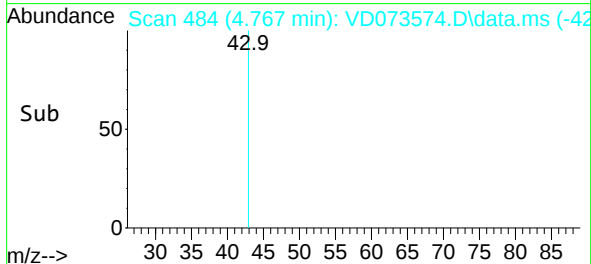
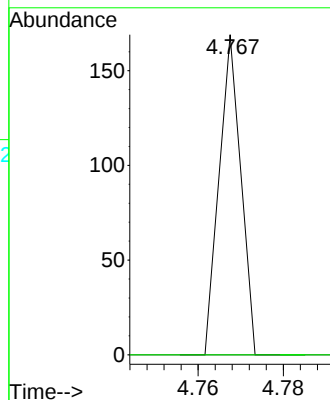
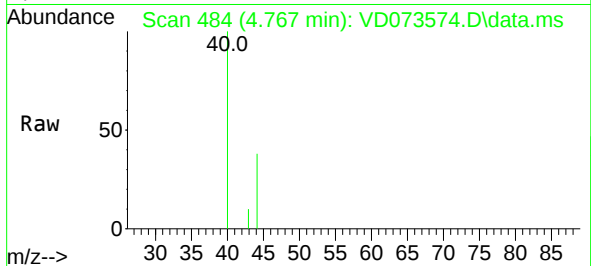




#18
Methyl Acetate
Concen: 1.481 ug/l
RT: 4.767 min Scan# 41
Delta R.T. 0.052 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

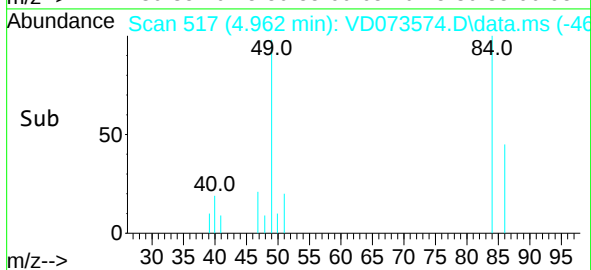
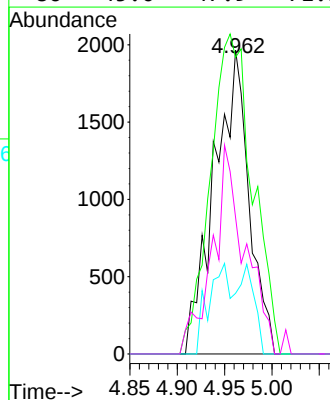
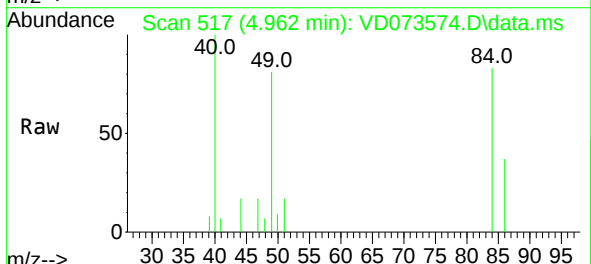
Instrument :
MSVOA_D
ClientSampleId :
30875

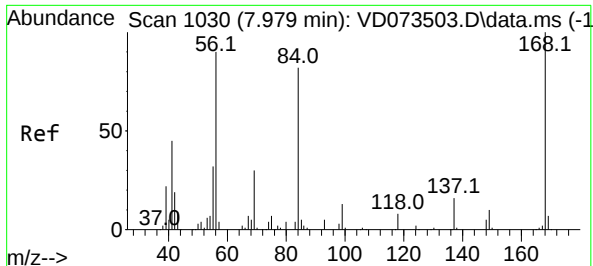
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 1.131 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.012 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

Tgt Ion: 84 Resp: 5017
Ion Ratio Lower Upper
84 100
49 97.7 112.8 169.2#
51 19.9 32.6 48.8#
86 45.0 47.9 71.9#





#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.018 min

Lab File: VD073574.D

Acq: 14 Jun 2022 17:34

Instrument :

MSVOA_D

ClientSampleId :

30875

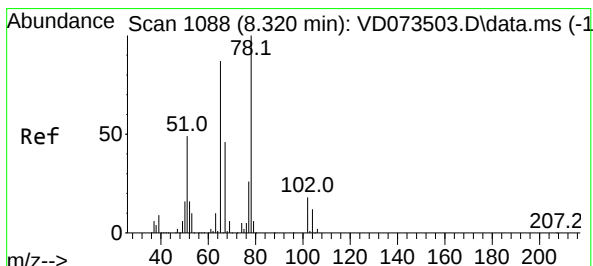
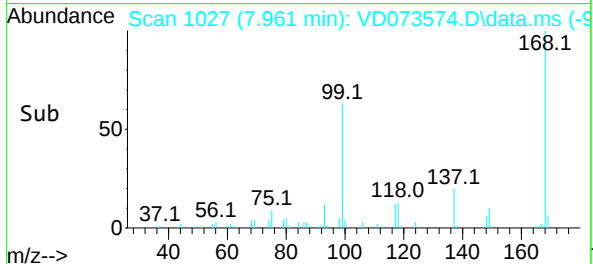
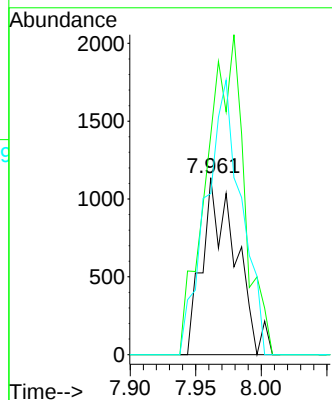
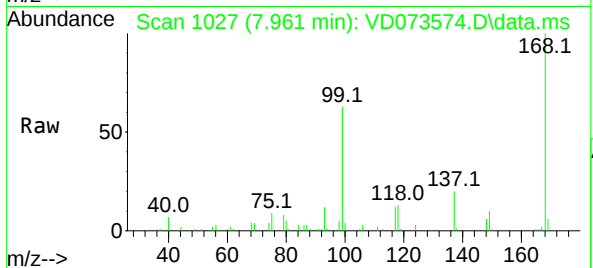
Tgt Ion: 56 Resp: 2008

Ion Ratio Lower Upper

56 100

69 124.0 25.4 38.2#

84 91.0 63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 65.775 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073574.D

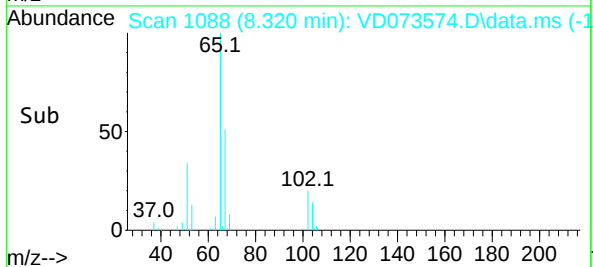
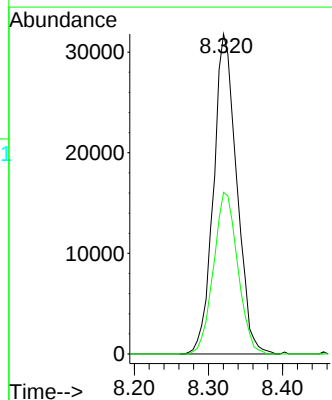
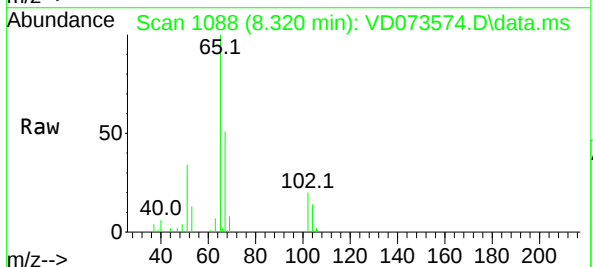
Acq: 14 Jun 2022 17:34

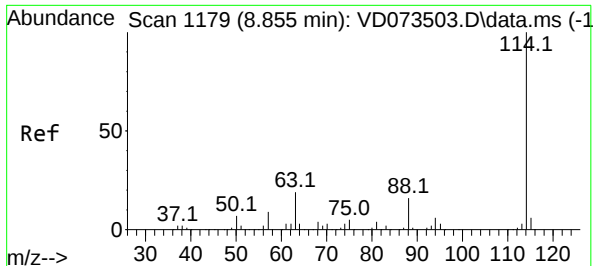
Tgt Ion: 65 Resp: 69171

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073574.D

Acq: 14 Jun 2022 17:34

Instrument :

MSVOA_D

ClientSampleId :

30875

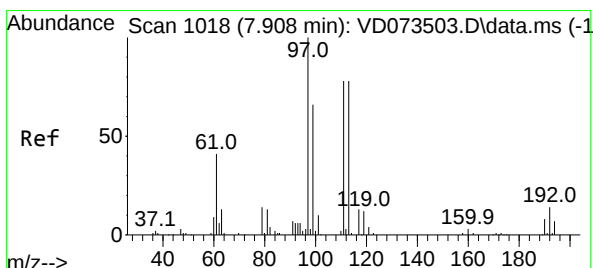
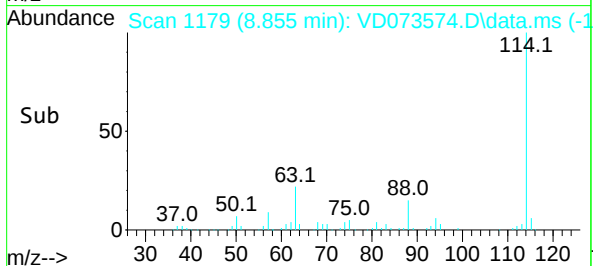
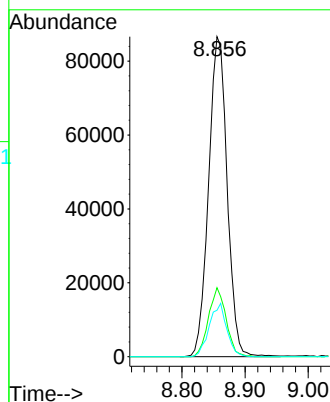
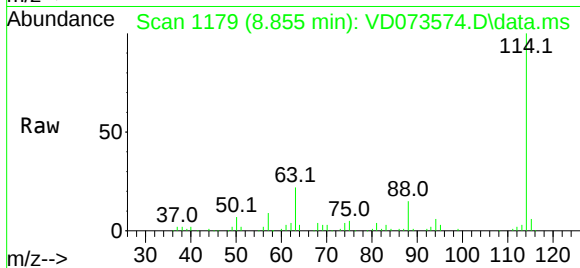
Tgt Ion:114 Resp: 176937

Ion Ratio Lower Upper

114 100

63 21.6 0.0 46.6

88 14.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 59.447 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073574.D

Acq: 14 Jun 2022 17:34

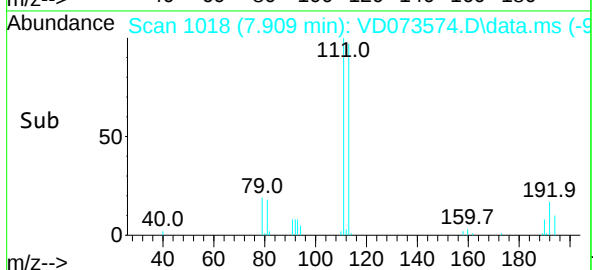
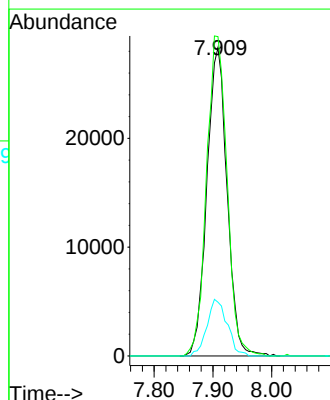
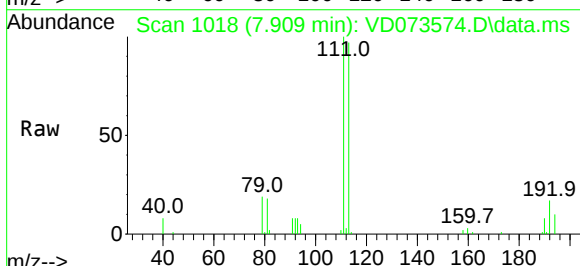
Tgt Ion:113 Resp: 67637

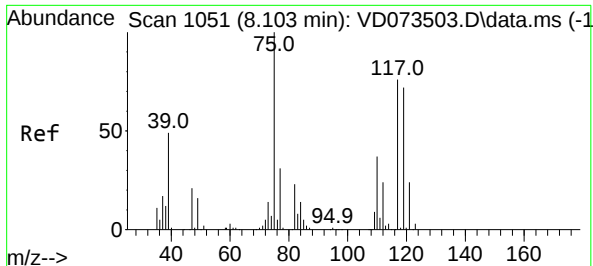
Ion Ratio Lower Upper

113 100

111 105.4 83.8 125.6

192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.787 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD073574.D

Acq: 14 Jun 2022 17:34

Instrument :

MSVOA_D

ClientSampleId :

30875

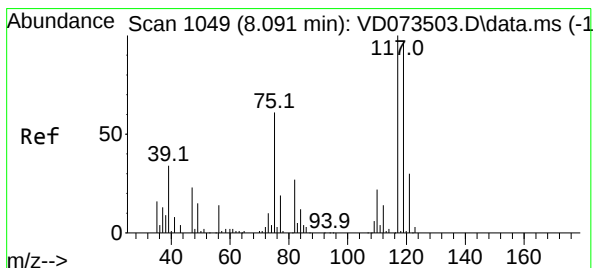
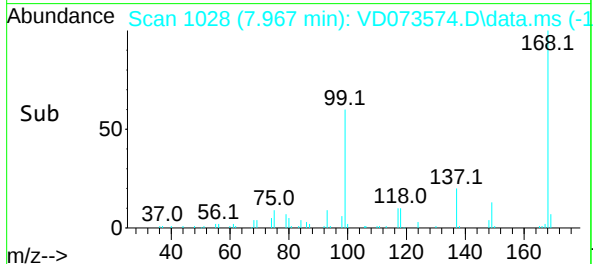
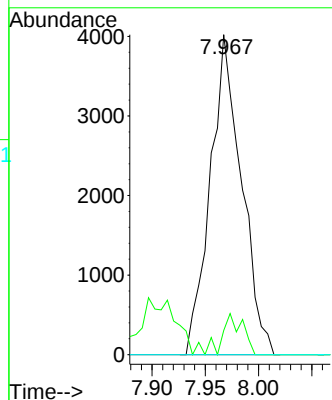
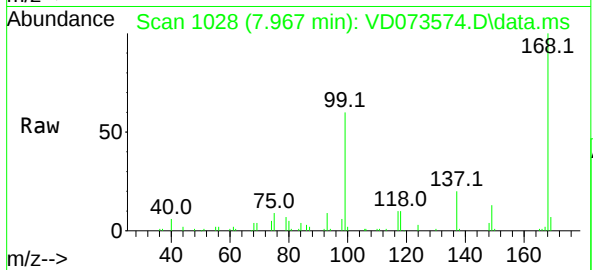
Tgt Ion: 75 Resp: 8181

Ion Ratio Lower Upper

75 100

110 8.4 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.735 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073574.D

Acq: 14 Jun 2022 17:34

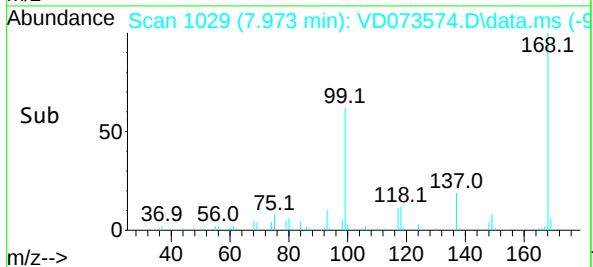
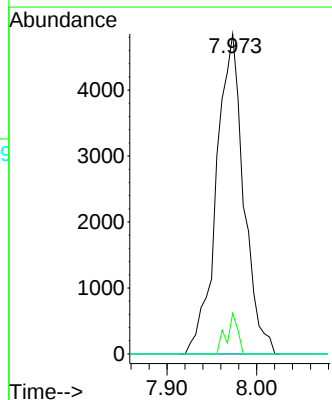
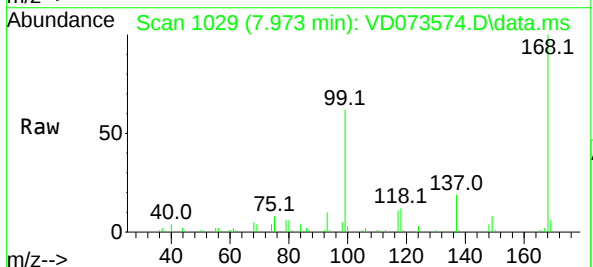
Tgt Ion: 117 Resp: 10252

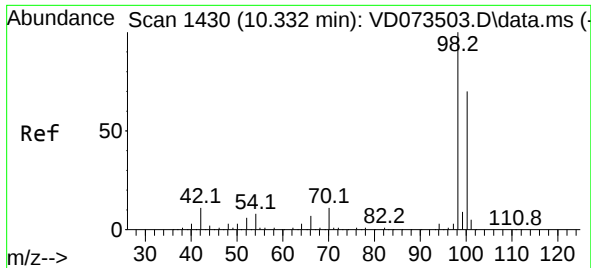
Ion Ratio Lower Upper

117 100

119 12.7 75.8 113.6#

121 0.0 24.5 36.7#

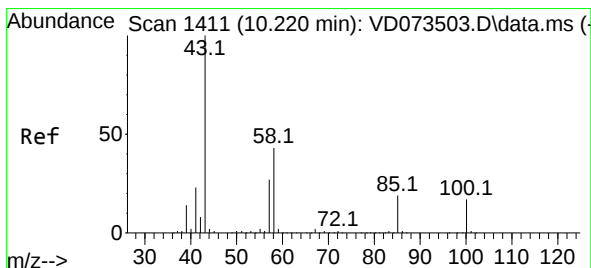
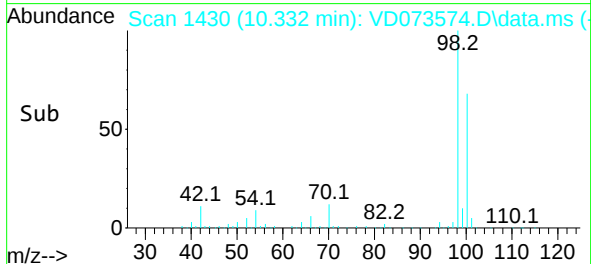
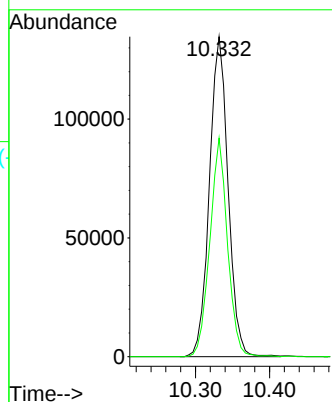
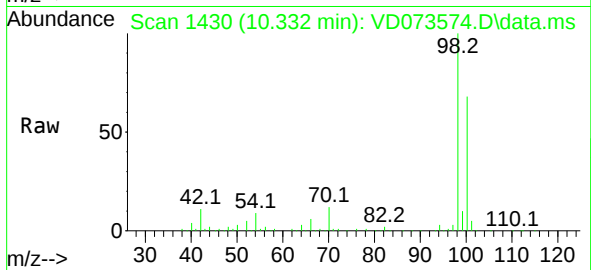




#50
Toluene-d8
Concen: 54.706 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

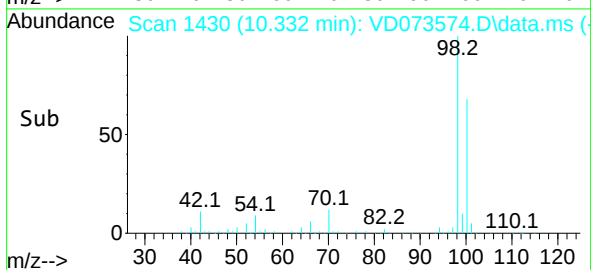
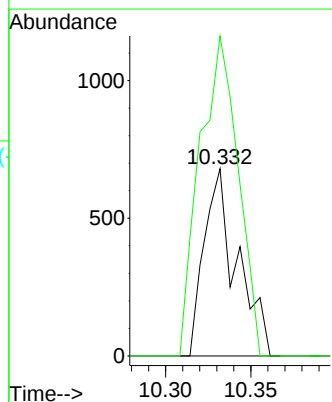
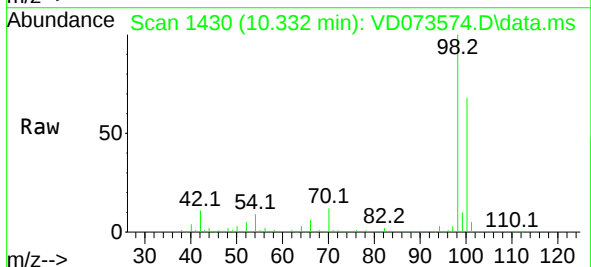
Instrument :
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30875

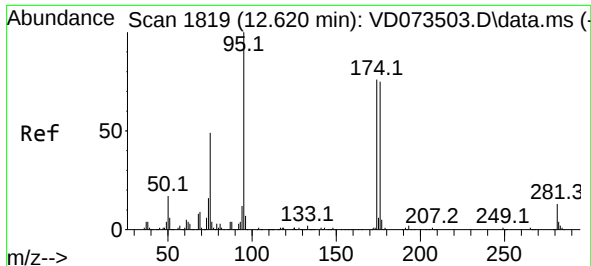
Tgt Ion: 98 Resp: 235335
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.353 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

Tgt Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
58 199.9 28.6 43.0#

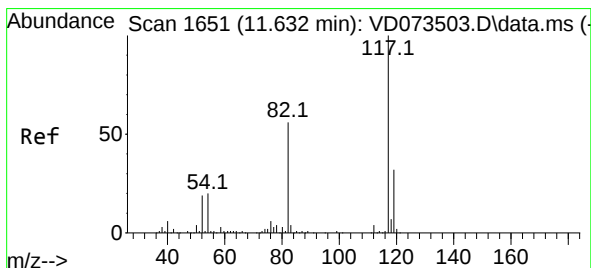
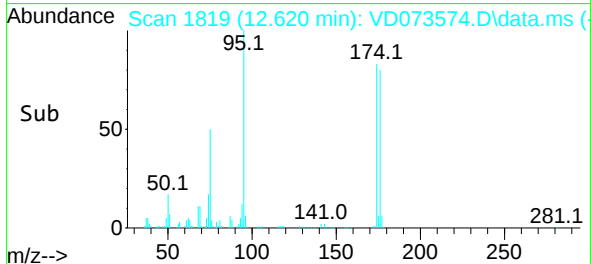
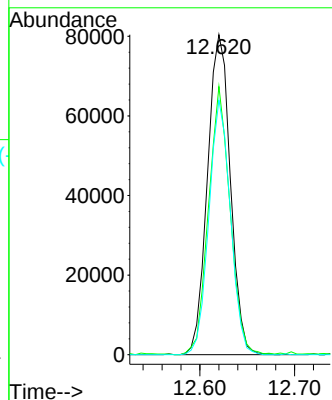
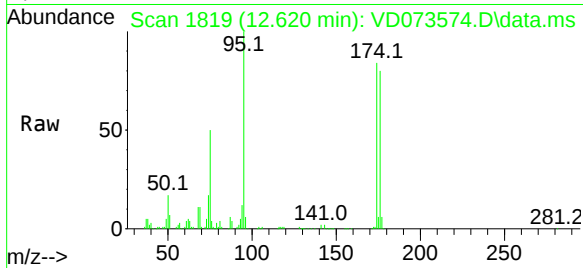




#62
4-Bromofluorobenzene
Concen: 86.387 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

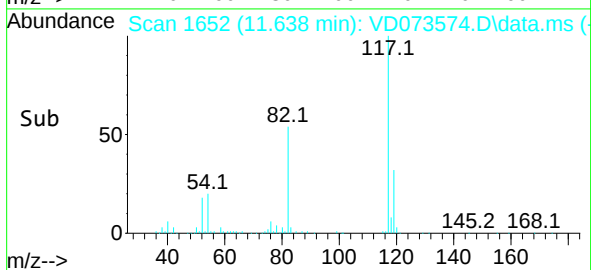
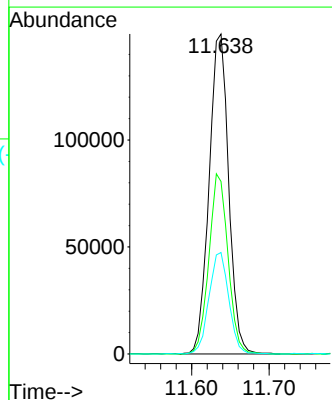
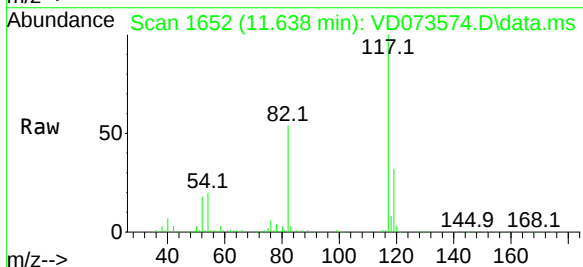
Instrument :
MSVOA_D
ClientSampleId :
30875

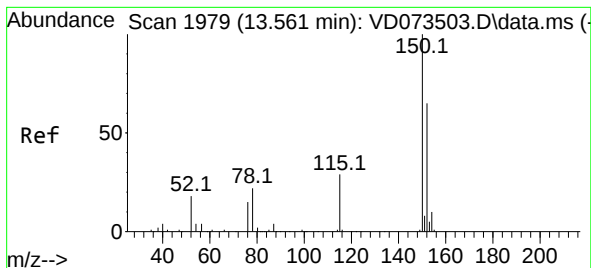
Tgt Ion: 95 Resp: 134908
Ion Ratio Lower Upper
95 100
174 78.8 0.0 152.8
176 74.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

Tgt Ion: 117 Resp: 262171
Ion Ratio Lower Upper
117 100
82 53.9 45.3 67.9
119 31.7 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073574.D

Acq: 14 Jun 2022 17:34

Instrument :

MSVOA_D

ClientSampleId :

30875

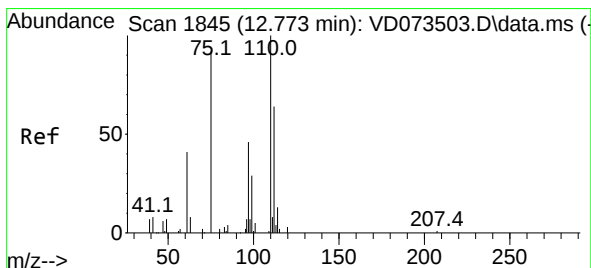
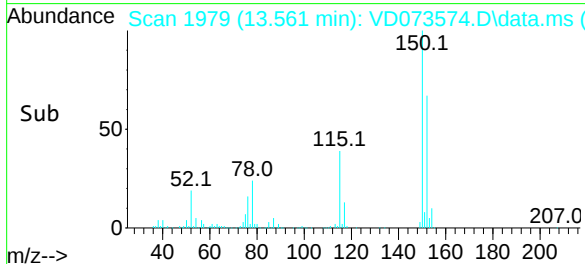
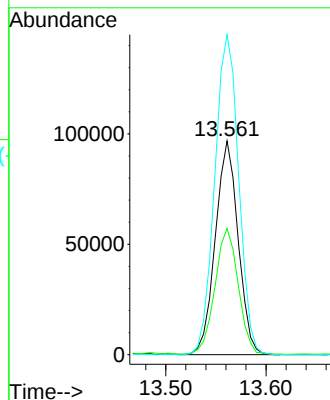
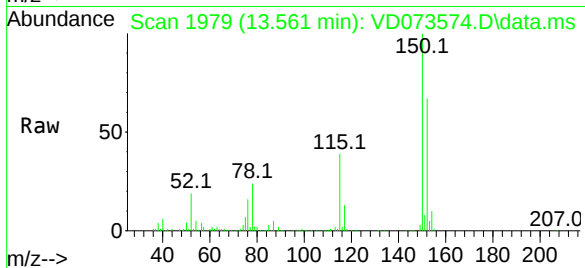
Tgt Ion:152 Resp: 153002

Ion Ratio Lower Upper

152 100

115 59.9 31.3 93.8

150 156.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 44.633 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD073574.D

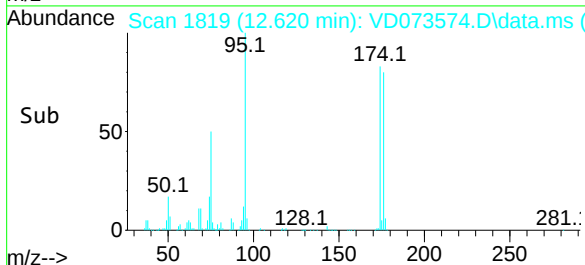
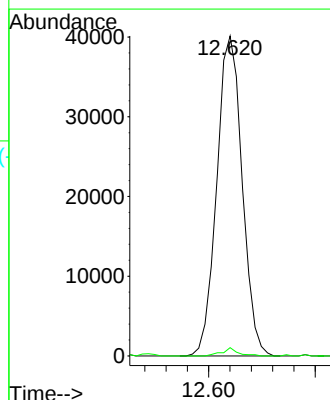
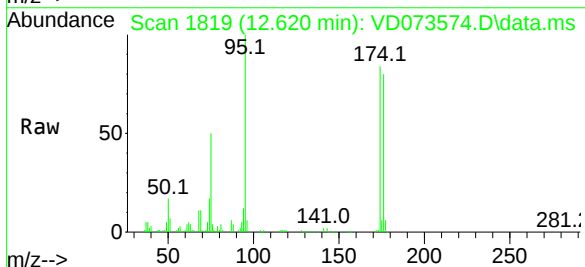
Acq: 14 Jun 2022 17:34

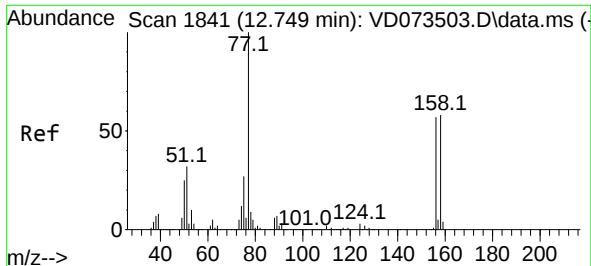
Tgt Ion: 75 Resp: 66340

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

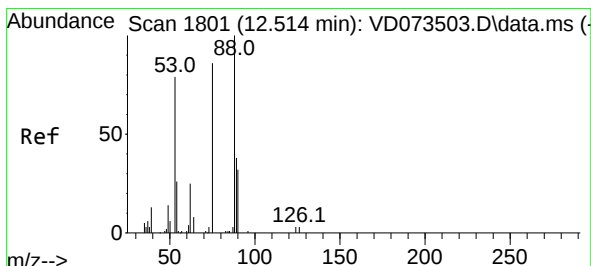
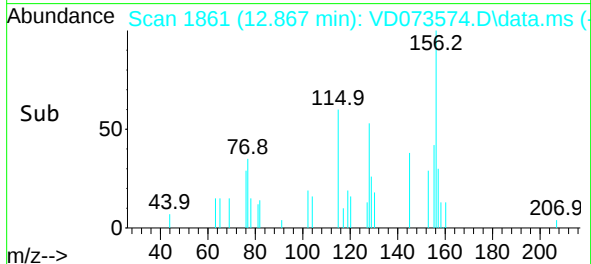
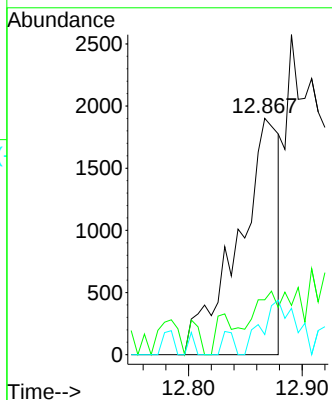
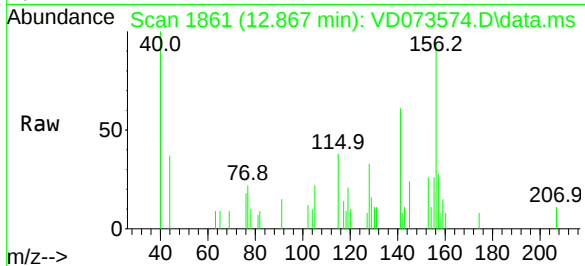




#77
Bromobenzene
Concen: 1.827 ug/l
RT: 12.867 min Scan# 1861
Delta R.T. 0.118 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

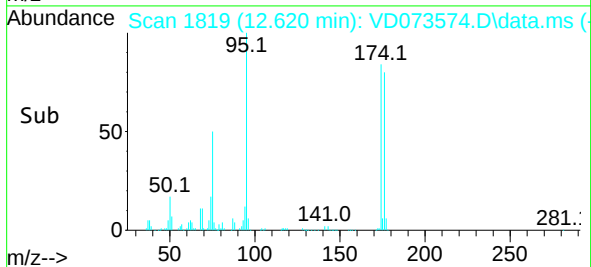
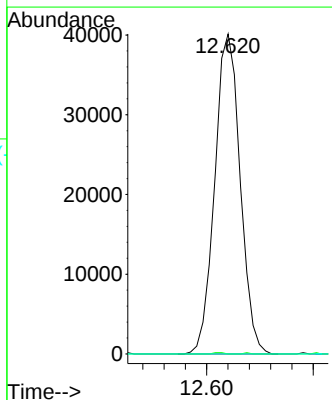
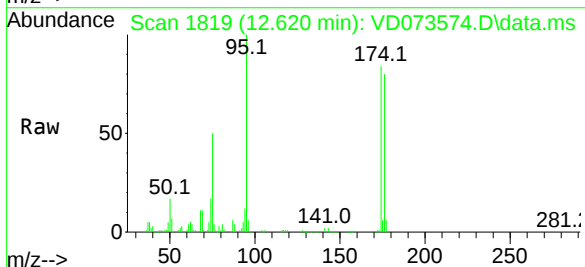
Instrument :
MSVOA_D
ClientSampleId :
30875

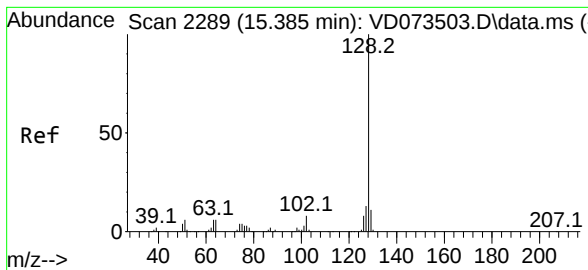
Tgt Ion:156 Resp: 4732
Ion Ratio Lower Upper
156 100
77 7.7 102.8 308.3#
158 18.9 48.7 146.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.760 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

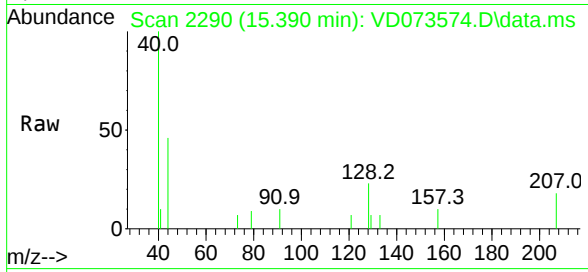
Tgt Ion: 75 Resp: 66340
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 4.417 ug/l
RT: 15.390 min Scan# 21
Delta R.T. 0.005 min
Lab File: VD073574.D
Acq: 14 Jun 2022 17:34

Instrument :
MSVOA_D
ClientSampleId :
30875



Tgt Ion:	128	Resp:	1285
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	26.6	8.4	12.6#

