

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
 Data File : VD075104.D
 Acq On : 10 Jan 2023 14:02
 Operator : KP/SY
 Sample : 01080-05
 Misc : 5.49G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3-(15-17)

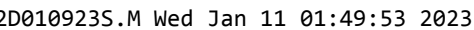
Quant Time: Jan 11 01:49:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 10 03:36:33 2023
 Response via : Initial Calibration

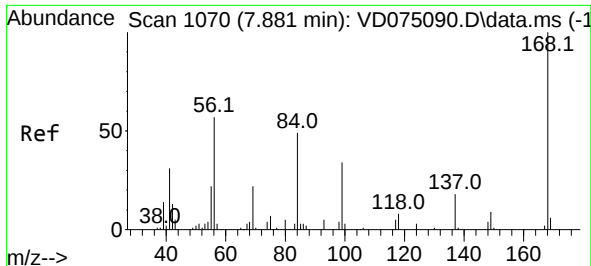
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	5135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	11103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	10013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	4314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	3907	75.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.780%	
35) Dibromofluoromethane	7.799	113	3762	53.865	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.740%	
50) Toluene-d8	10.269	98	13308	48.057	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.120%	
62) 4-Bromofluorobenzene	12.581	95	4801	54.014	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	54	Below Cal	#	43
20) Methylene Chloride	4.805	84	121	Below Cal	#	5
36) 1,1-Dichloropropene	7.881	75	366	4.236	ug/l #	40
38) Carbon Tetrachloride	7.887	117	145	1.915	ug/l #	12
67) Ethyl Benzene	11.687	91	986	2.938	ug/l	99
68) m/p-Xylenes	11.687	106	146	1.129	ug/l #	1
70) Styrene	12.140	104	1179	5.627	ug/l	93
76) 1,2,3-Trichloropropane	12.575	75	2499	60.710	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.904	105	1978	7.559	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.575	75	2499	161.229	ug/l #	15
83) tert-Butylbenzene	13.222	119	529	2.291	ug/l #	82
84) 1,2,4-Trimethylbenzene	13.216	105	4504	17.810	ug/l	97
85) sec-Butylbenzene	13.216	105	4504	12.871	ug/l #	56
90) Hexachloroethane	14.057	117	185	3.755	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.451	75	517	58.156	ug/l #	1
95) Naphthalene	15.334	128	1863958	11666.174	ug/l	100

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

Quant Time: Jan 11 01:49:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
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QLast Update : Tue Jan 10 03:36:33 2023
Response via : Initial Calibration

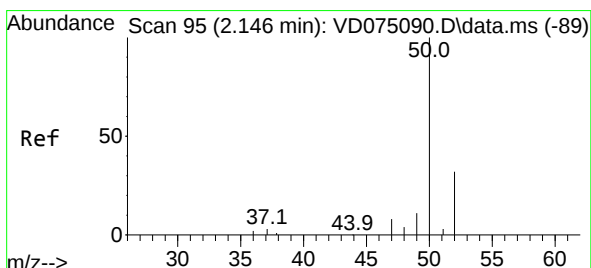
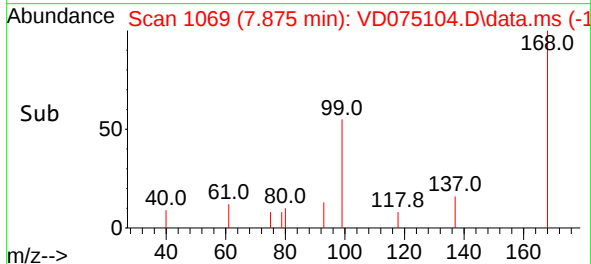
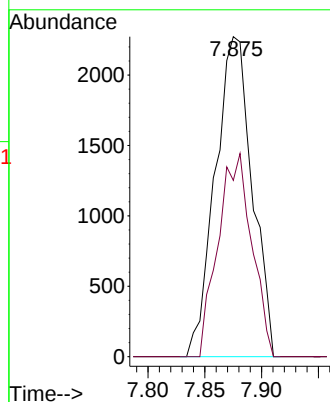
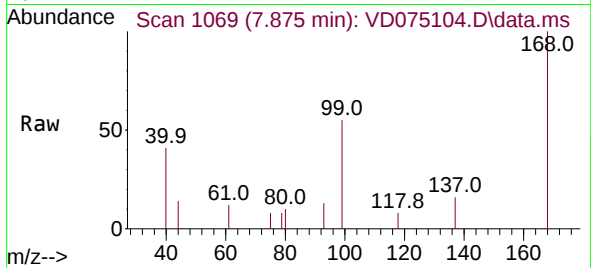




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

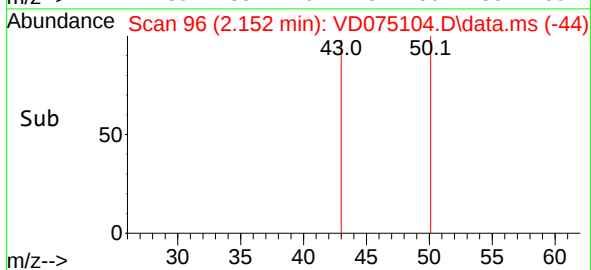
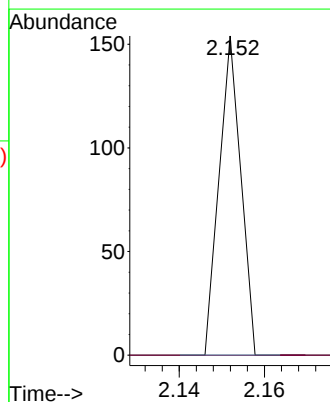
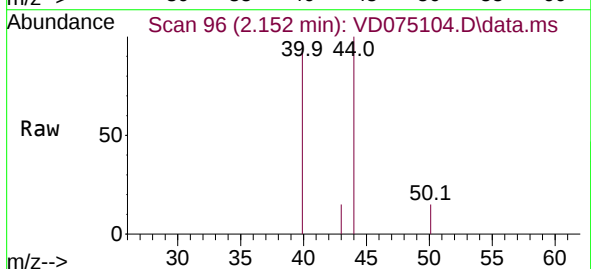
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15-17)

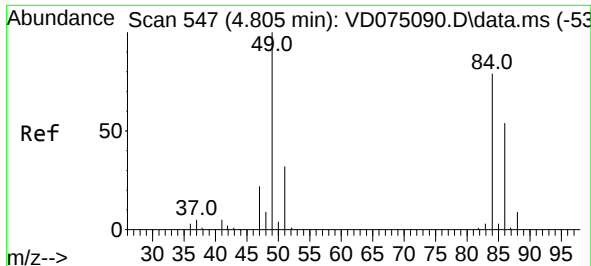
Tgt Ion:168 Resp: 5135
Ion Ratio Lower Upper
168 100
99 55.1 43.2 64.8



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

Tgt Ion: 50 Resp: 54
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

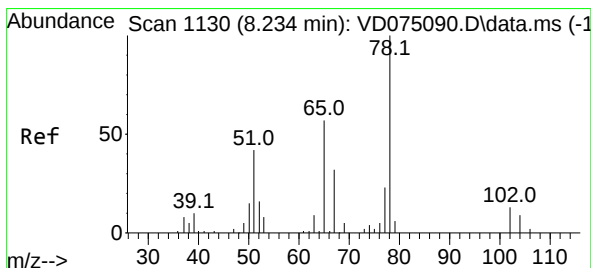
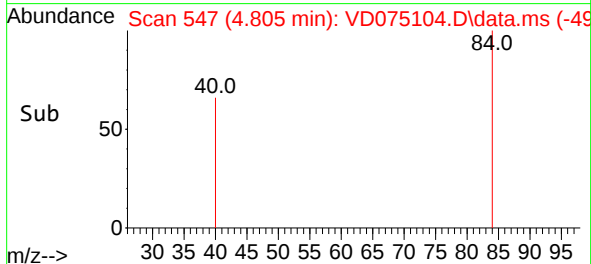
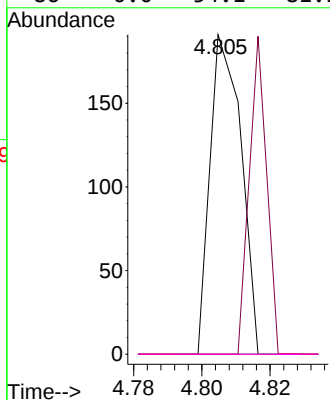
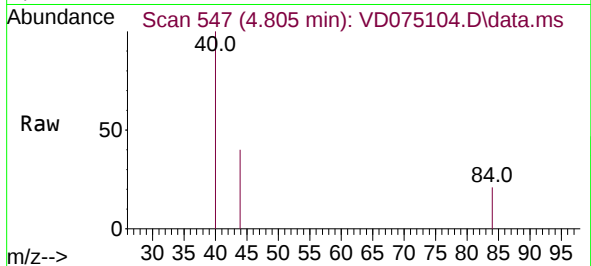




#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

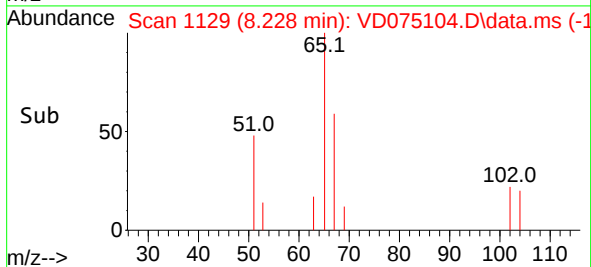
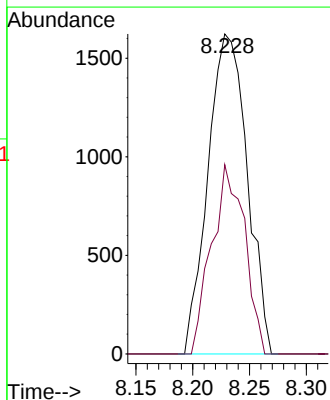
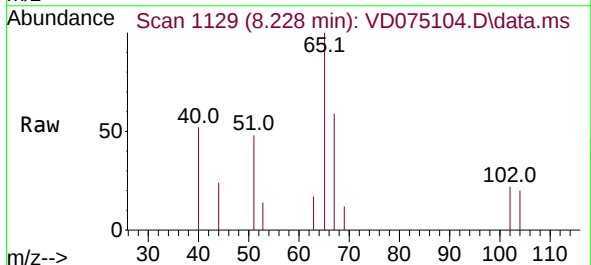
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15-17)

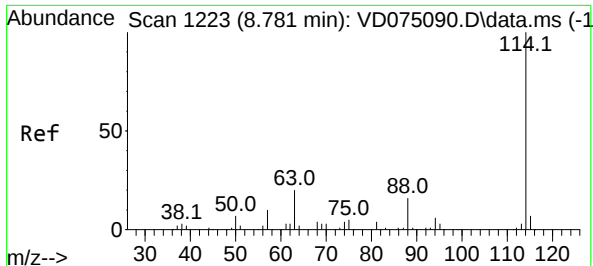
Tgt Ion:	84	Resp:	121
Ion	Ratio	Lower	Upper
84	100		
49	0.0	100.6	151.0#
51	0.0	31.8	47.8#
86	0.0	54.1	81.1#



#33
1,2-Dichloroethane-d4
Concen: 75.892 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

Tgt Ion:	65	Resp:	3907
Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11103

Delta R.T. -0.006 min

Lab File: VD075104.D

Acq: 10 Jan 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

B-3-(15-17)

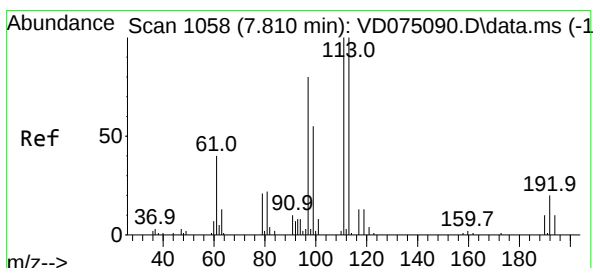
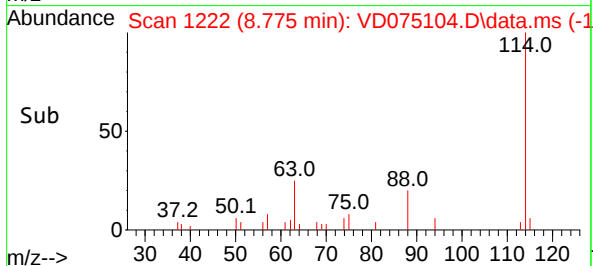
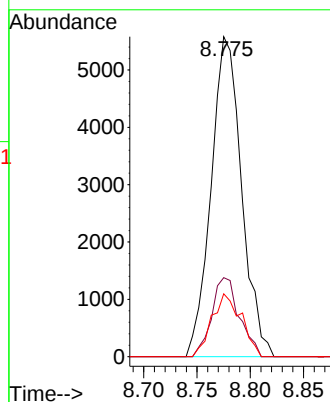
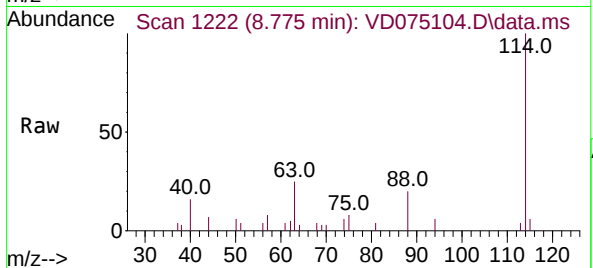
Tgt Ion:114 Resp: 11103

Ion Ratio Lower Upper

114 100

63 24.7 0.0 40.0

88 19.7 0.0 31.2



#35

Dibromofluoromethane

Concen: 53.865 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.012 min

Lab File: VD075104.D

Acq: 10 Jan 2023 14:02

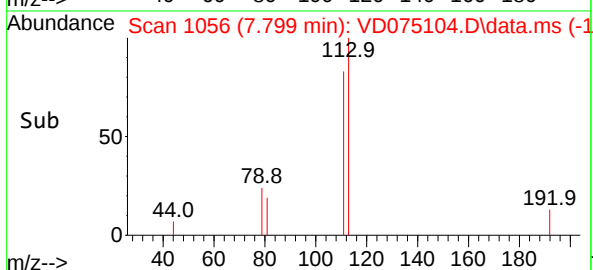
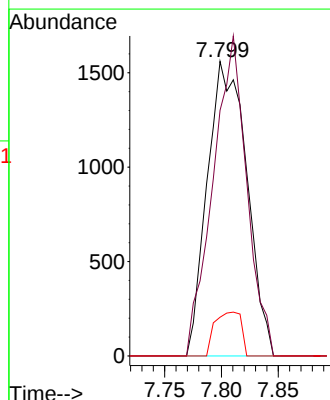
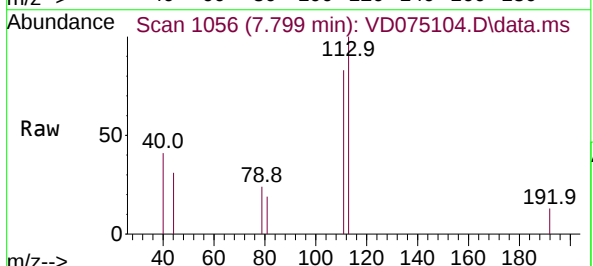
Tgt Ion:113 Resp: 3762

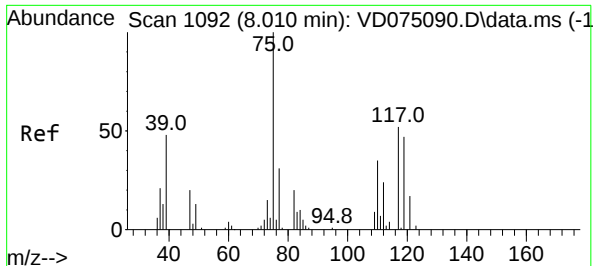
Ion Ratio Lower Upper

113 100

111 93.2 83.2 124.8

192 10.0 15.0 22.6#





#36

1,1-Dichloropropene

Concen: 4.236 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD075104.D

Acq: 10 Jan 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

B-3-(15-17)

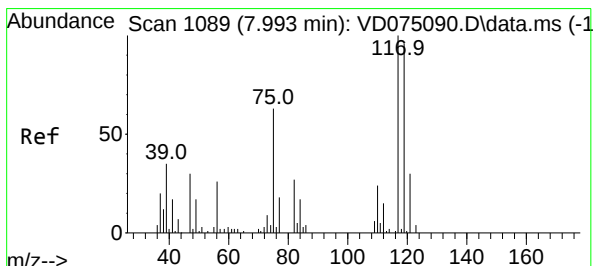
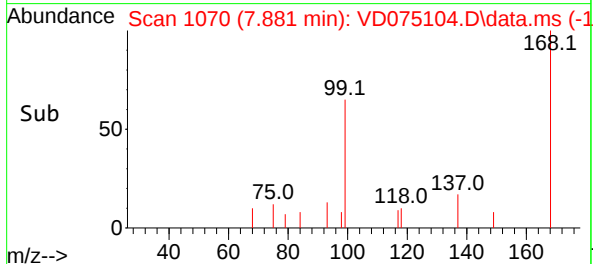
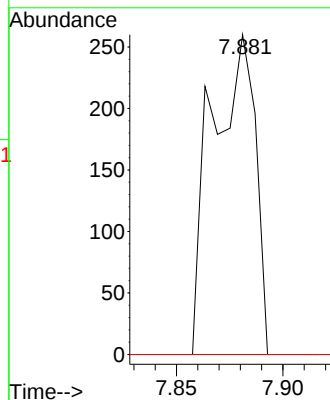
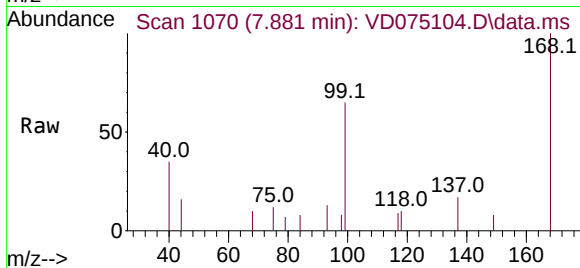
Tgt Ion: 75 Resp: 366

Ion Ratio Lower Upper

75 100

110 0.0 18.8 56.3#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 1.915 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.106 min

Lab File: VD075104.D

Acq: 10 Jan 2023 14:02

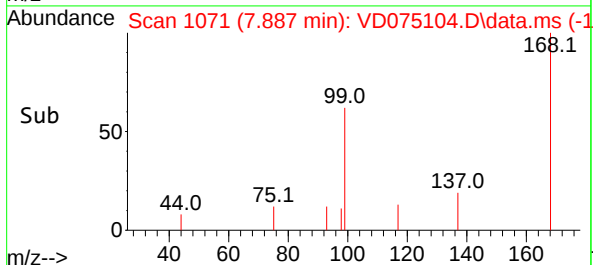
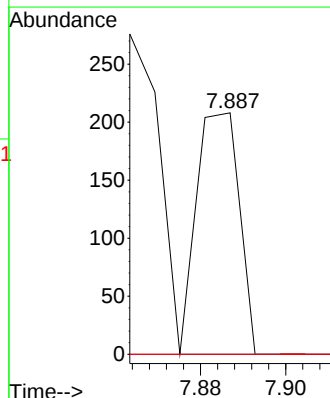
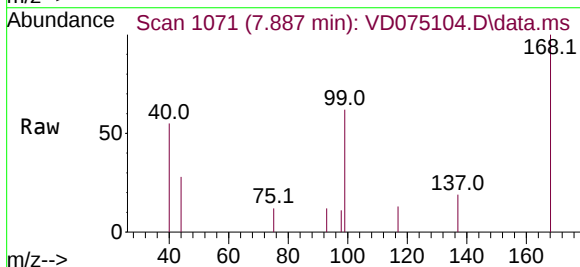
Tgt Ion: 117 Resp: 145

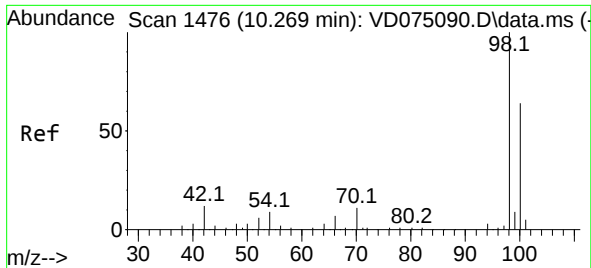
Ion Ratio Lower Upper

117 100

119 0.0 76.8 115.2#

121 0.0 23.8 35.8#

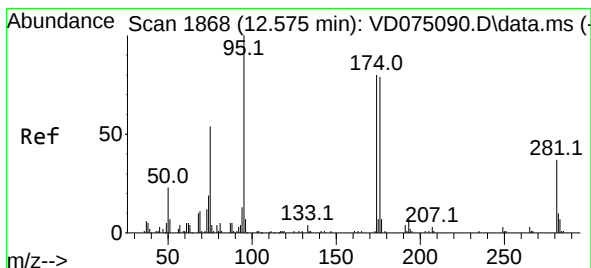
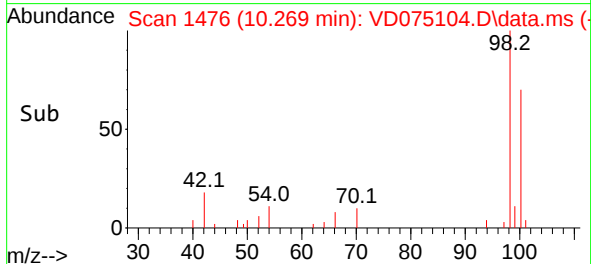
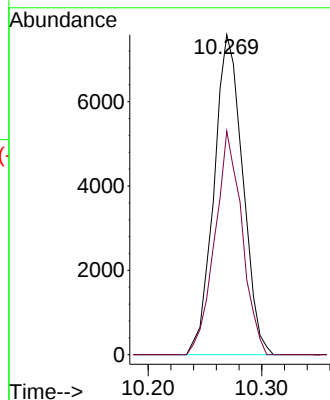
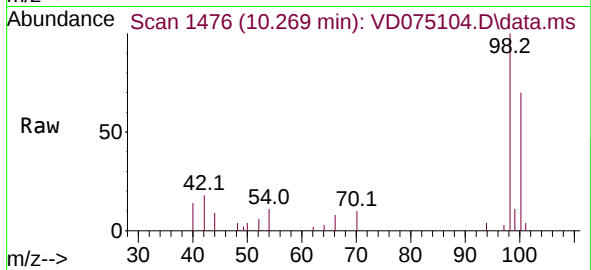




#50
Toluene-d8
Concen: 48.057 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

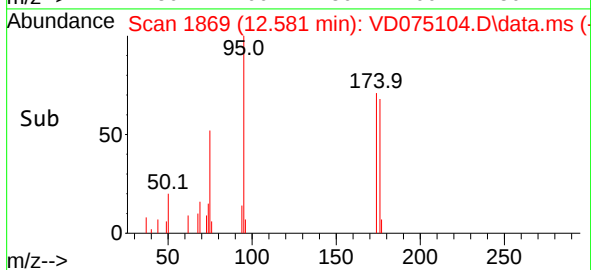
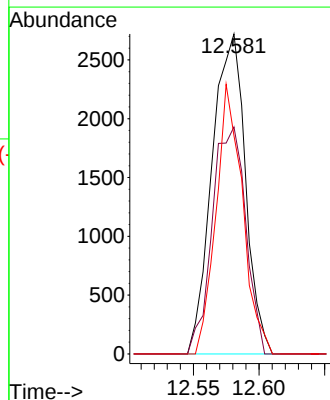
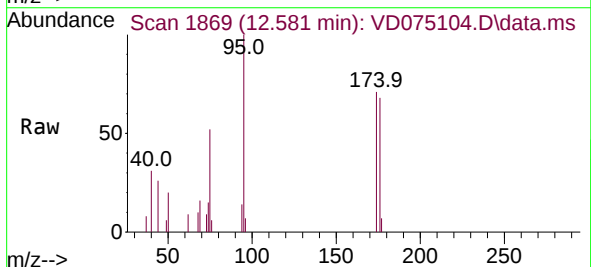
Instrument :
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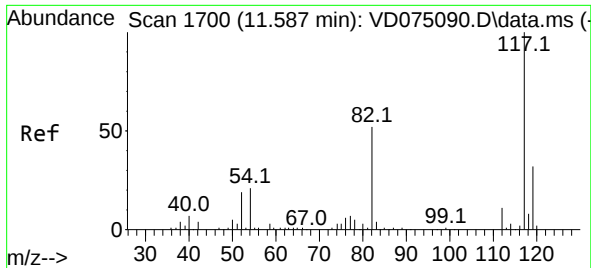
Tgt Ion: 98 Resp: 13308
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 54.014 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

Tgt Ion: 95 Resp: 4801
Ion Ratio Lower Upper
95 100
174 71.3 0.0 168.4
176 67.2 0.0 163.8

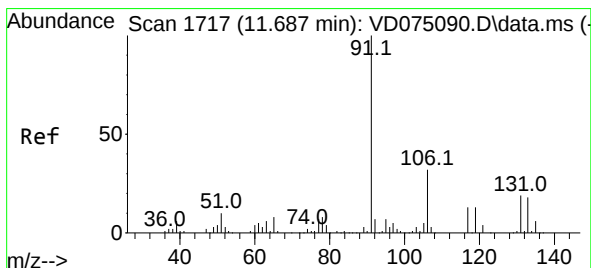
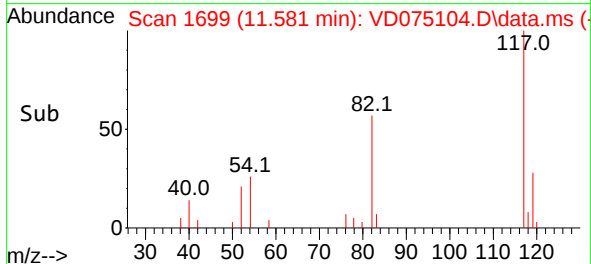
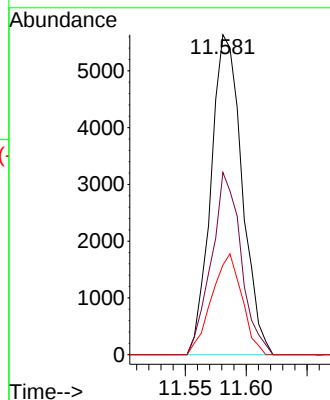
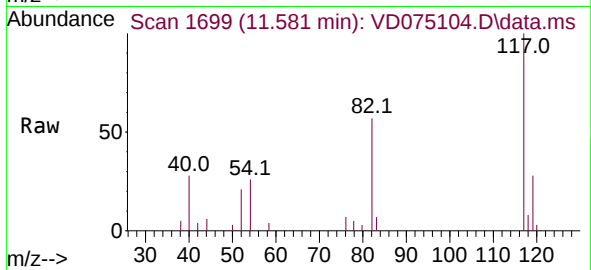




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

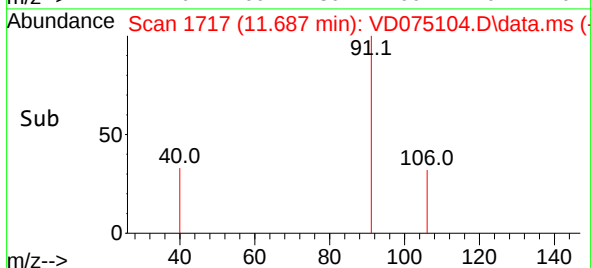
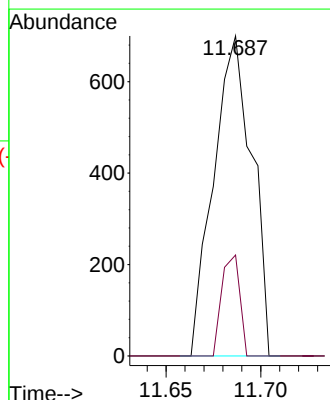
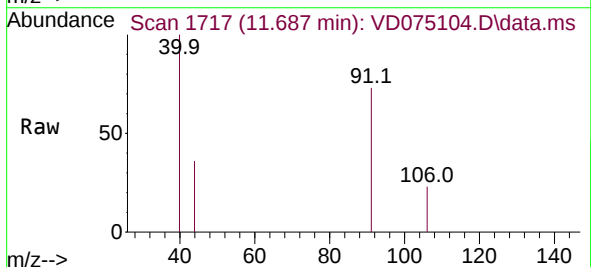
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B-3-(15-17)

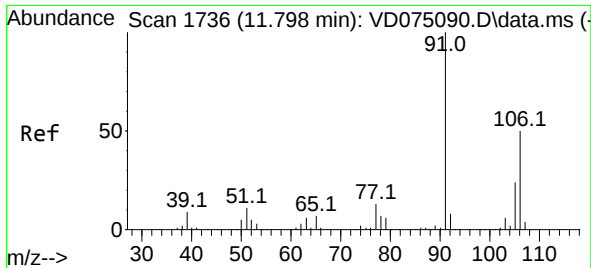
Tgt Ion:117 Resp: 10013
Ion Ratio Lower Upper
117 100
82 56.9 41.3 61.9
119 28.0 25.8 38.6



#67
Ethyl Benzene
Concen: 2.938 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

Tgt Ion: 91 Resp: 986
Ion Ratio Lower Upper
91 100
106 31.6 25.8 38.6

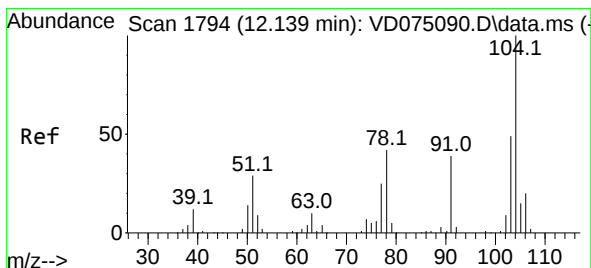
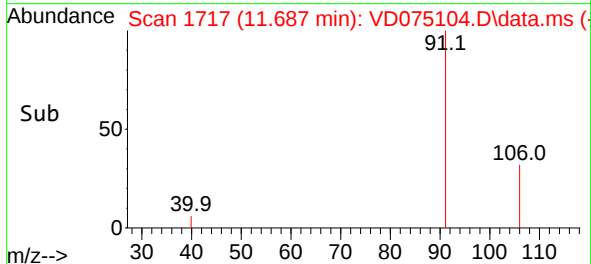
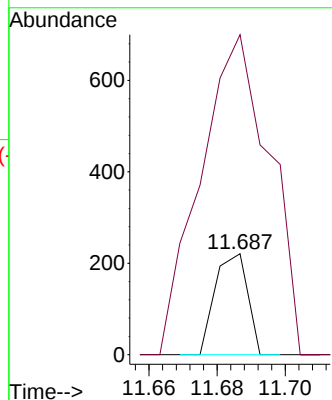
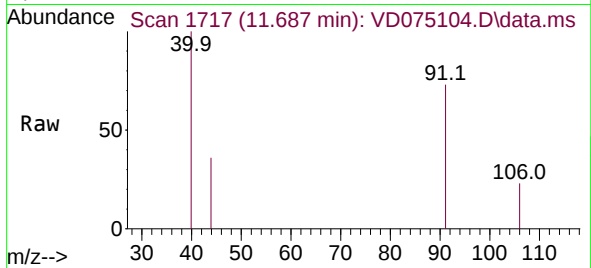




#68
m/p-Xylenes
Concen: 1.129 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. -0.112 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

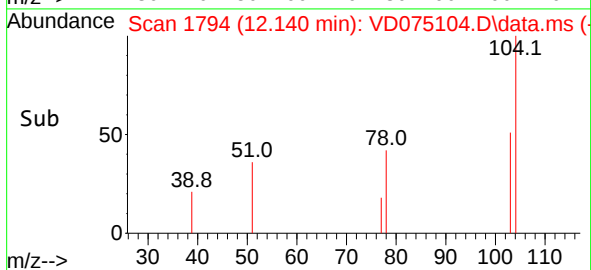
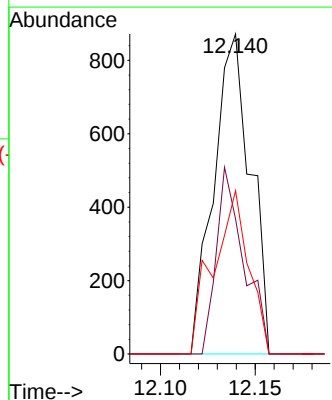
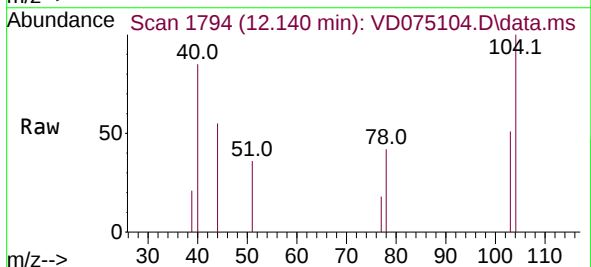
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15-17)

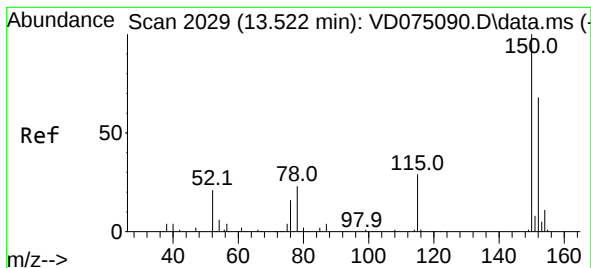
Tgt Ion:106 Resp: 146
Ion Ratio Lower Upper
106 100
91 675.3 157.9 236.9#



#70
Styrene
Concen: 5.627 ug/l
RT: 12.140 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

Tgt Ion:104 Resp: 1179
Ion Ratio Lower Upper
104 100
78 43.7 38.2 57.2
103 49.3 43.9 65.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD075104.D

Acq: 10 Jan 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

B-3-(15-17)

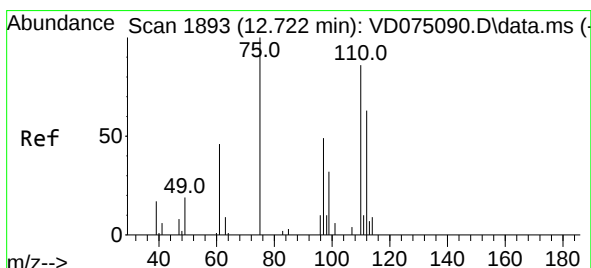
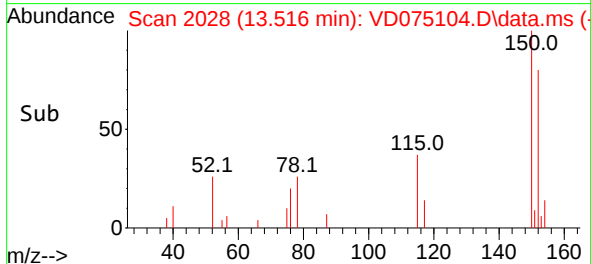
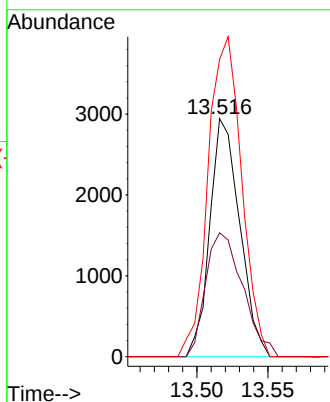
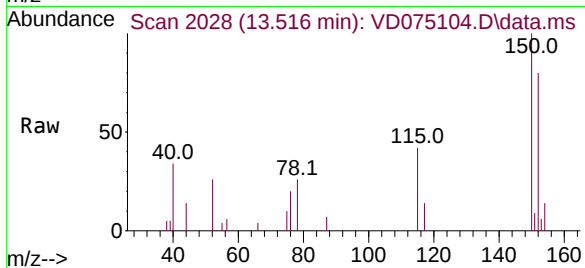
Tgt Ion:152 Resp: 4314

Ion Ratio Lower Upper

152 100

115 64.5 28.7 86.1

150 150.4 0.0 343.2



#76

1,2,3-Trichloropropane

Concen: 60.710 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD075104.D

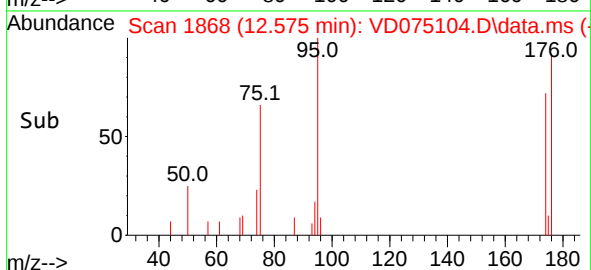
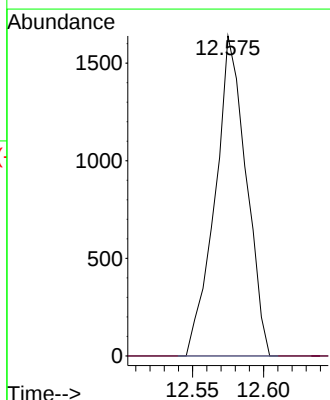
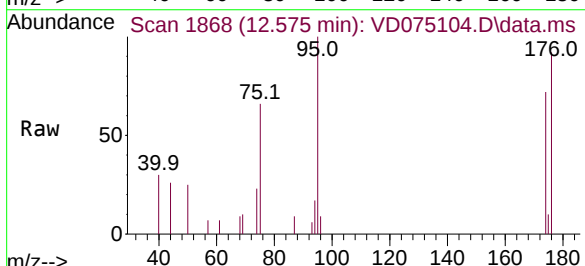
Acq: 10 Jan 2023 14:02

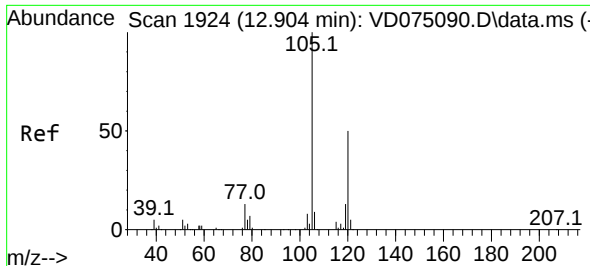
Tgt Ion: 75 Resp: 2499

Ion Ratio Lower Upper

75 100

77 0.0 149.0 447.1#

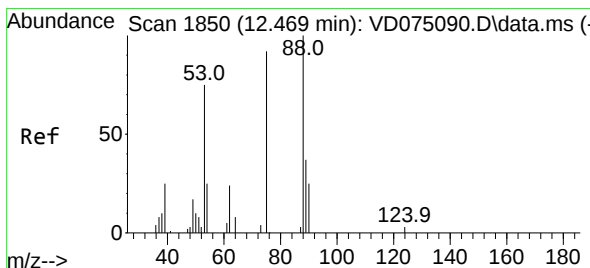
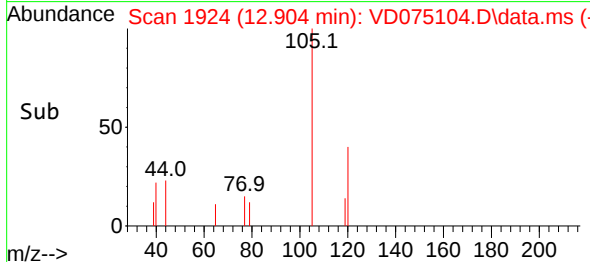
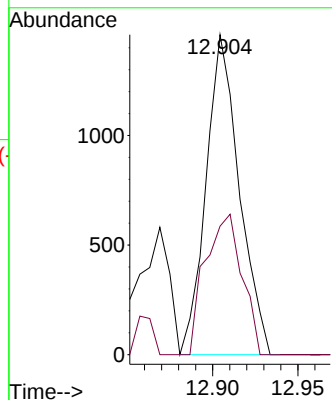
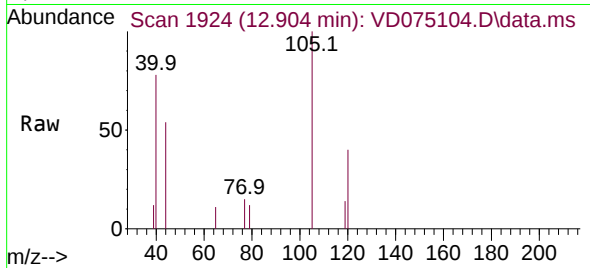




#80
1,3,5-Trimethylbenzene
Concen: 7.559 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

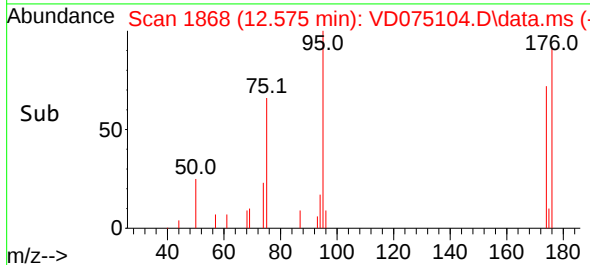
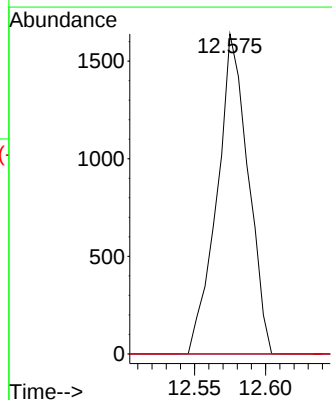
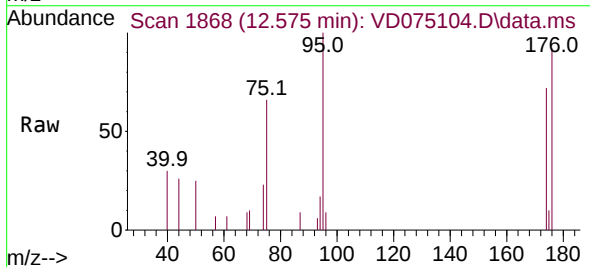
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15-17)

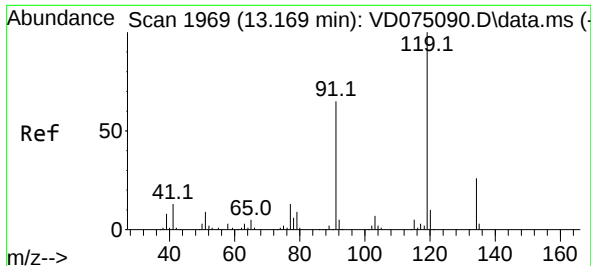
Tgt Ion:105 Resp: 1978
Ion Ratio Lower Upper
105 100
120 48.6 24.8 74.3



#81
trans-1,4-Dichloro-2-butene
Concen: 161.229 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

Tgt Ion: 75 Resp: 2499
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 33.4 50.0#

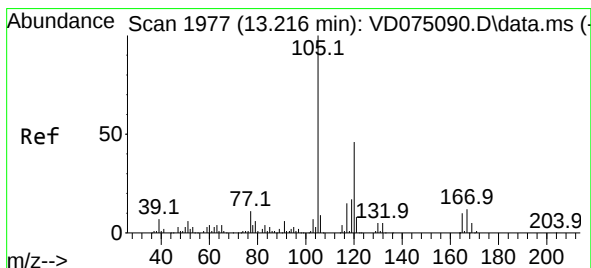
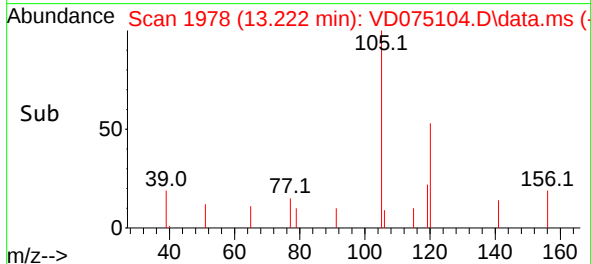
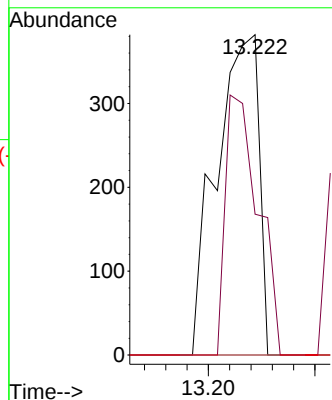
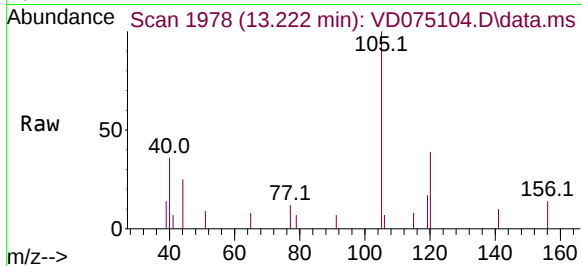




#83
tert-Butylbenzene
Concen: 2.291 ug/l
RT: 13.222 min Scan# 1969
Delta R.T. 0.053 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

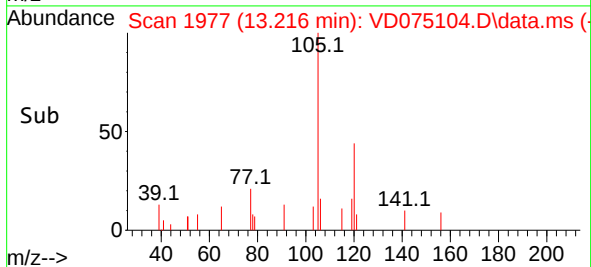
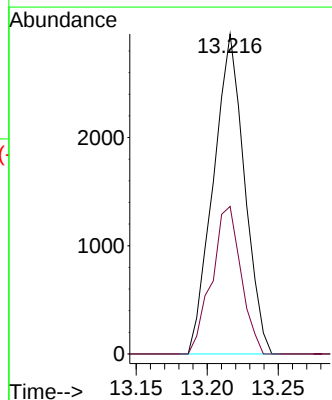
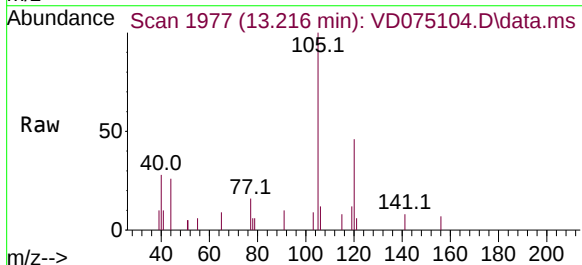
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15-17)

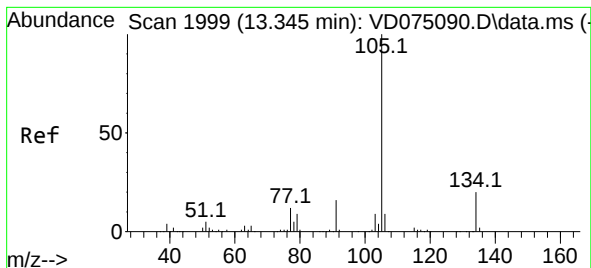
Tgt Ion:119 Resp: 529
Ion Ratio Lower Upper
119 100
91 62.8 32.6 97.8
134 0.0 13.7 41.1#



#84
1,2,4-Trimethylbenzene
Concen: 17.810 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

Tgt Ion:105 Resp: 4504
Ion Ratio Lower Upper
105 100
120 43.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 12.871 ug/l

RT: 13.216 min Scan# 1999

Delta R.T. -0.129 min

Lab File: VD075104.D

Acq: 10 Jan 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

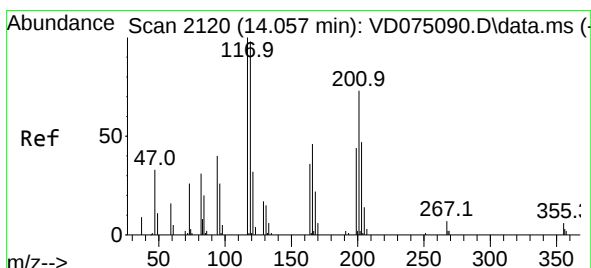
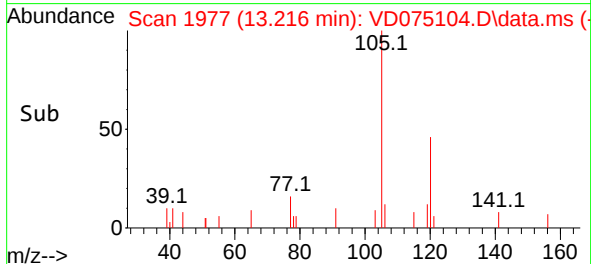
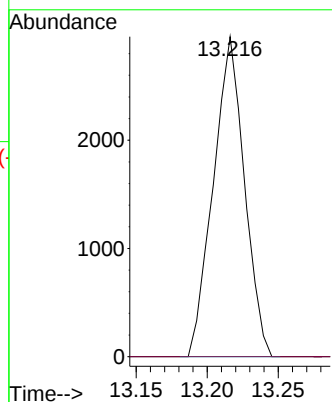
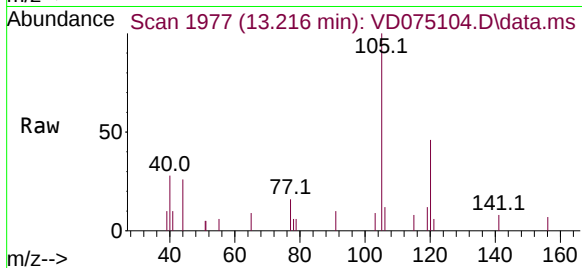
B-3-(15-17)

Tgt Ion:105 Resp: 4504

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.3#



#90

Hexachloroethane

Concen: 3.755 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. 0.000 min

Lab File: VD075104.D

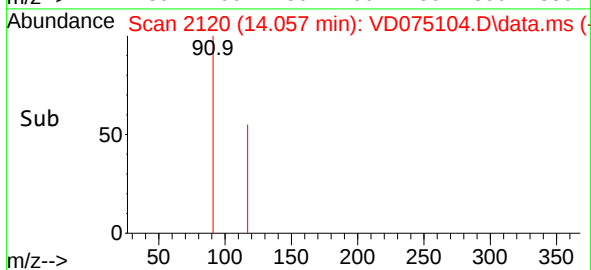
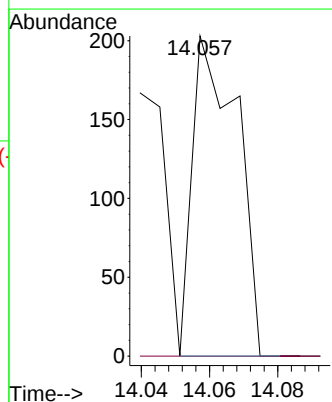
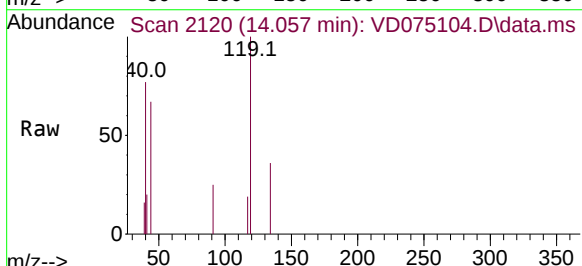
Acq: 10 Jan 2023 14:02

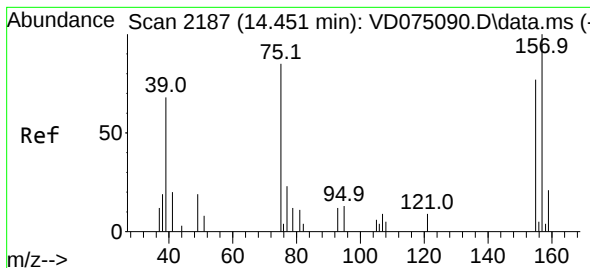
Tgt Ion:117 Resp: 185

Ion Ratio Lower Upper

117 100

201 0.0 35.5 106.7#

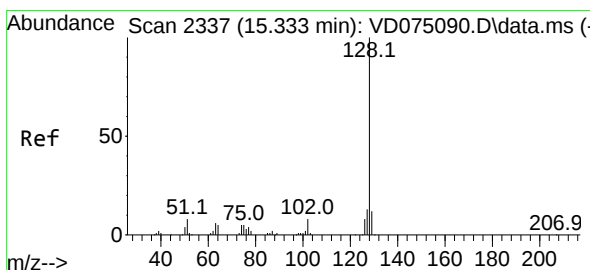
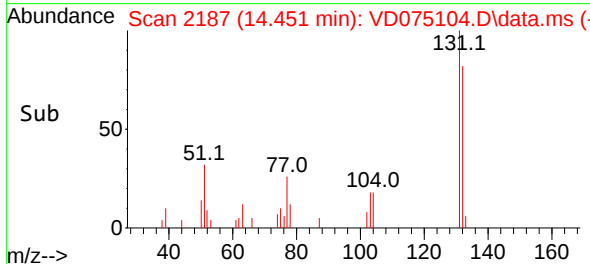
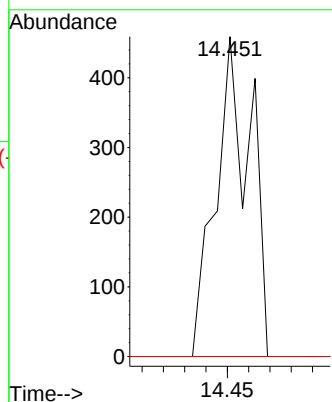
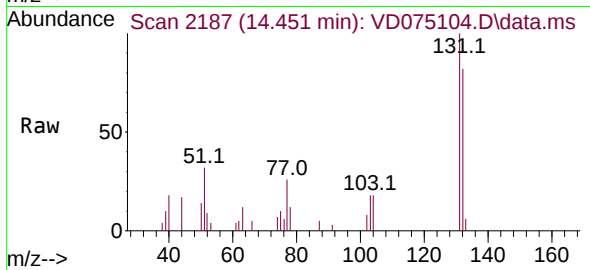




#92
1,2-Dibromo-3-Chloropropane
Concen: 58.156 ug/l
RT: 14.451 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

Instrument :
MSVOA_D
ClientSampleId :
B-3-(15-17)

Tgt Ion: 75 Resp: 517
Ion Ratio Lower Upper
75 100
155 0.0 45.4 136.2#
157 0.0 60.1 180.2#



#95
Naphthalene
Concen: 11666.174 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD075104.D
Acq: 10 Jan 2023 14:02

Tgt Ion: 128 Resp: 1863958
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.1 8.9 13.3

