

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021959.D
 Acq On : 22 Apr 2025 16:38
 Operator : SY/MD
 Sample : IBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IBLK

Quant Time: Apr 23 02:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

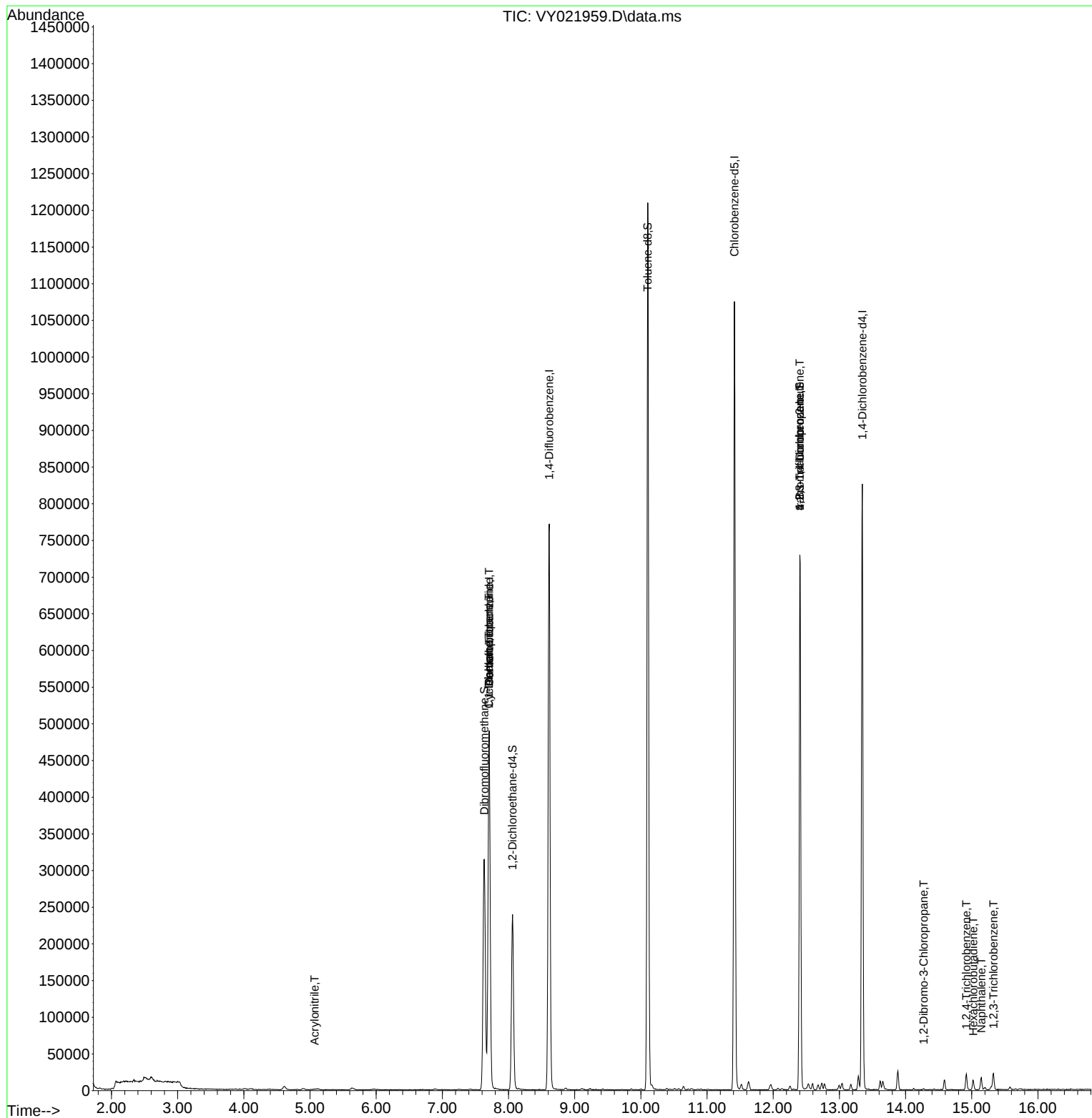
Internal Standards						
1) Pentafluorobenzene	7.707	168	383562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	692080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	597690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	220015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	187893	53.034	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.060%	
35) Dibromofluoromethane	7.634	113	230782	50.474	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.940%	
50) Toluene-d8	10.103	98	813784	47.210	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.420%	
62) 4-Bromofluorobenzene	12.401	95	228996	39.463	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.920%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.067	53	1212	1.687	ug/l #	69
16) Acetone	3.885	43	1046	Below Cal		91
31) Cyclohexane	7.701	56	6868	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	27740	4.517	ug/l #	48
38) Carbon Tetrachloride	7.707	117	36711	5.002	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	112371	59.628	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	112371	143.593	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.273	75	418	1.060	ug/l	81
93) 1,2,4-Trichlorobenzene	14.919	180	6504	1.744	ug/l	99
94) Hexachlorobutadiene	15.023	225	2504	1.092	ug/l	96
95) Naphthalene	15.145	128	14116	2.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	6806	2.115	ug/l	94

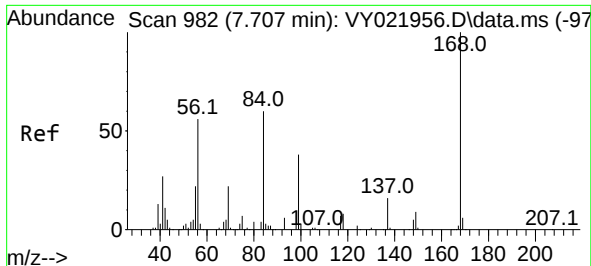
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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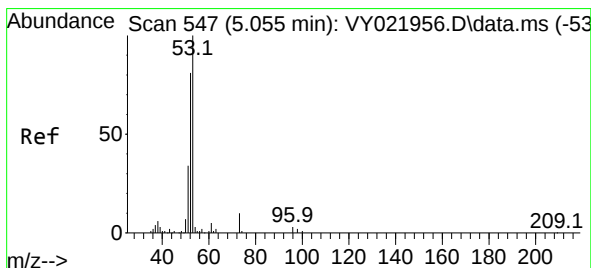
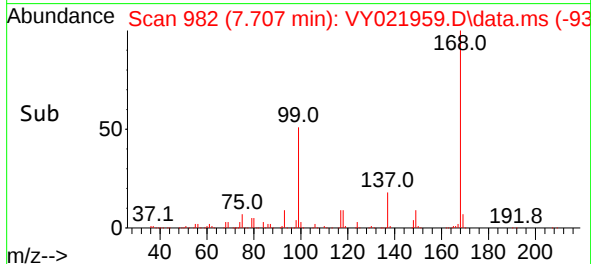
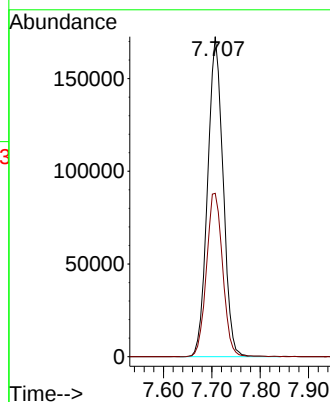
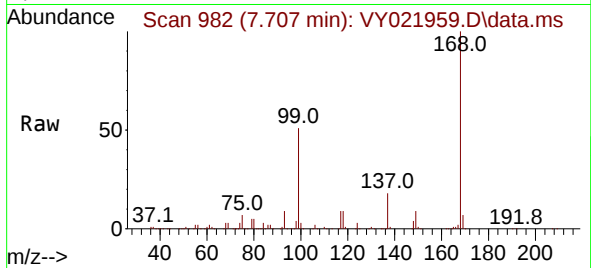




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021959.D
Acq: 22 Apr 2025 16:38

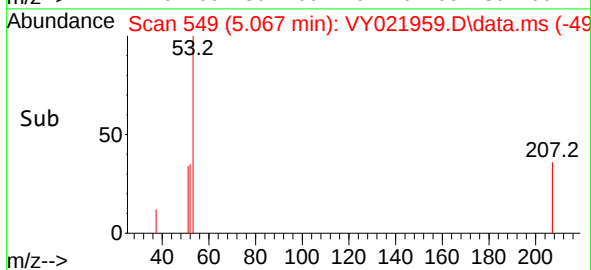
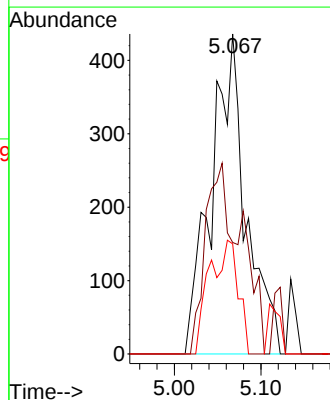
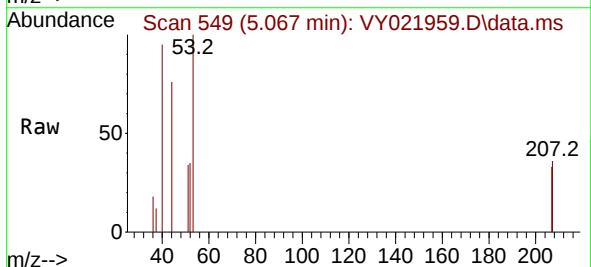
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

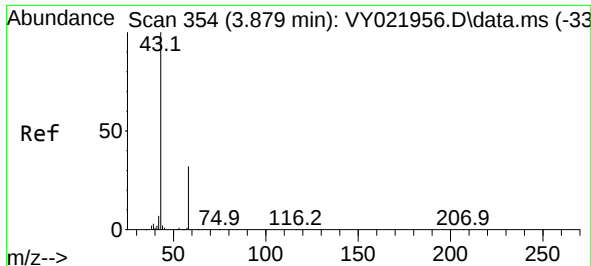
Tgt Ion:168 Resp: 383562
Ion Ratio Lower Upper
168 100
99 51.0 43.1 64.7



#15
Acrylonitrile
Concen: 1.687 ug/l
RT: 5.067 min Scan# 549
Delta R.T. 0.012 min
Lab File: VY021959.D
Acq: 22 Apr 2025 16:38

Tgt Ion: 53 Resp: 1212
Ion Ratio Lower Upper
53 100
52 45.7 65.0 97.6#
51 29.3 28.9 43.3

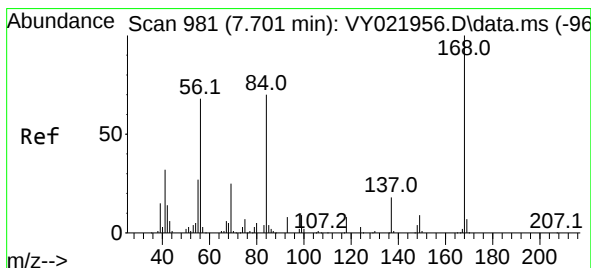
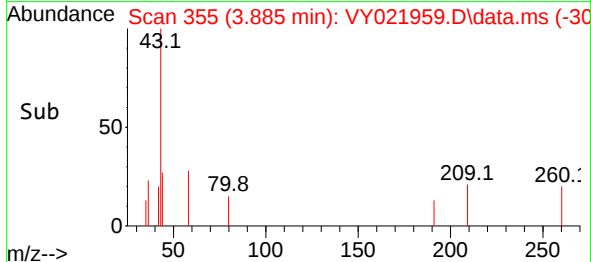
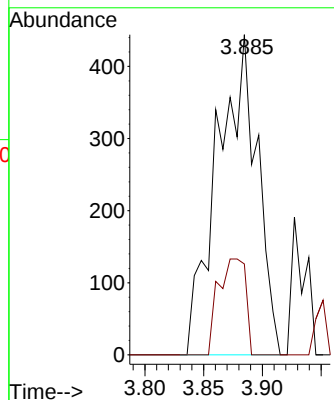
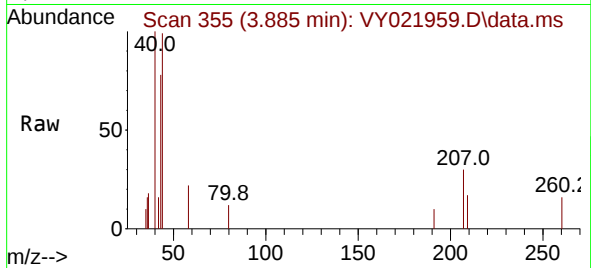




#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY021959.D
Acq: 22 Apr 2025 16:38

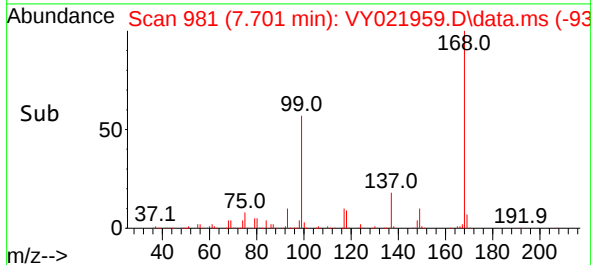
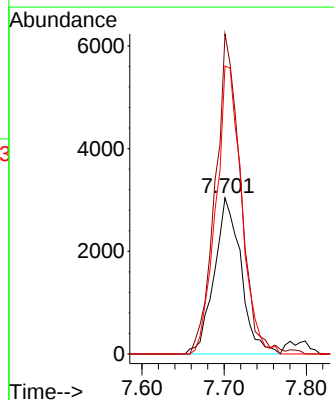
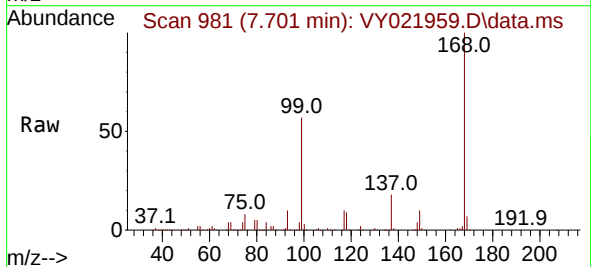
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

Tgt Ion: 43 Resp: 1046
Ion Ratio Lower Upper
43 100
58 28.4 27.0 40.4



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY021959.D
Acq: 22 Apr 2025 16:38

Tgt Ion: 56 Resp: 6868
Ion Ratio Lower Upper
56 100
69 205.2 29.4 44.2#
84 184.7 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 53.034 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY021959.D

Acq: 22 Apr 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

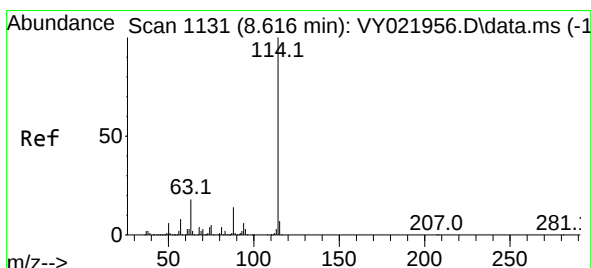
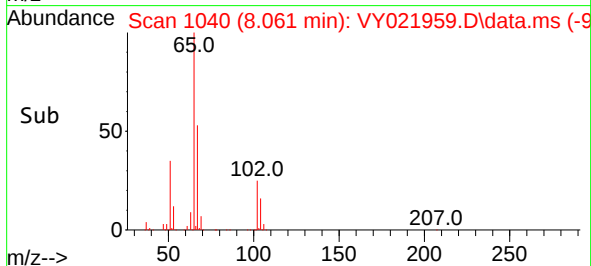
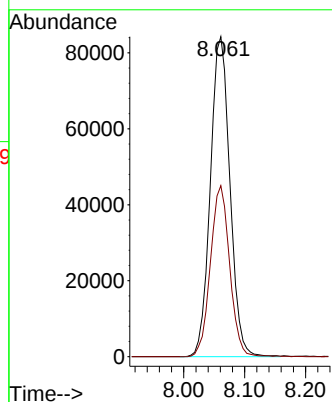
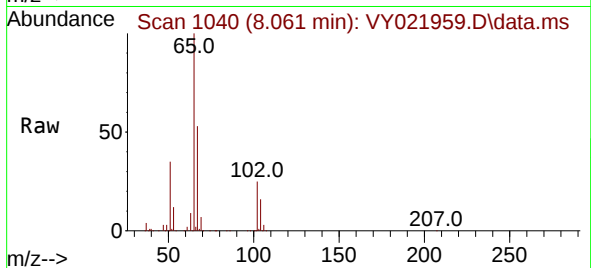
IBLK

Tgt Ion: 65 Resp: 187893

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021959.D

Acq: 22 Apr 2025 16:38

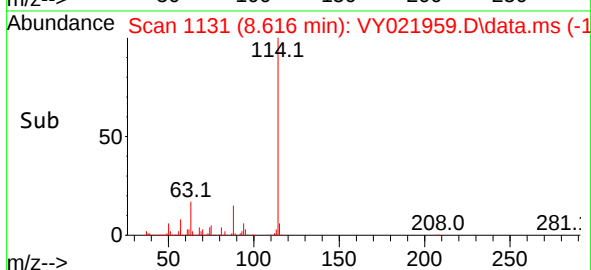
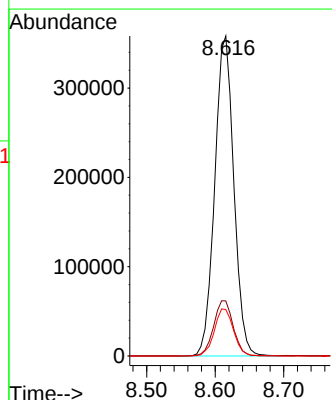
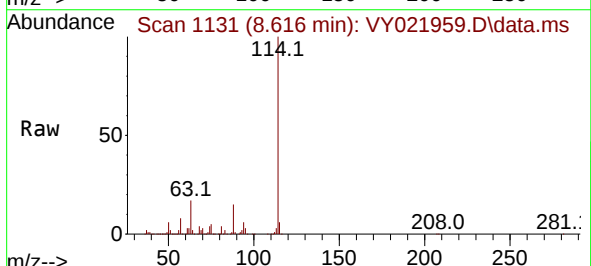
Tgt Ion: 114 Resp: 692080

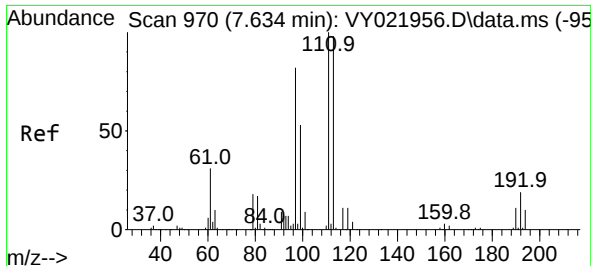
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.4

88 14.5 0.0 28.2

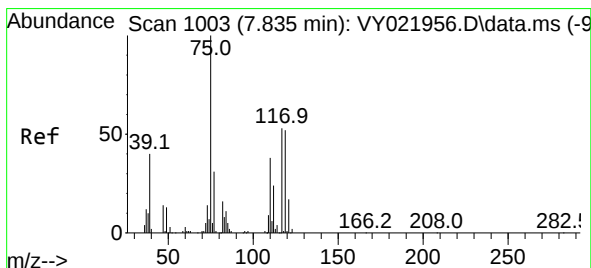
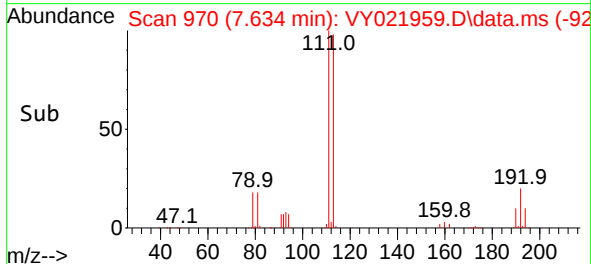
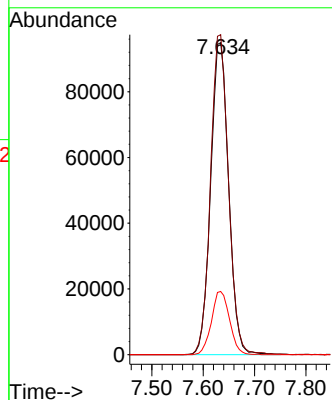
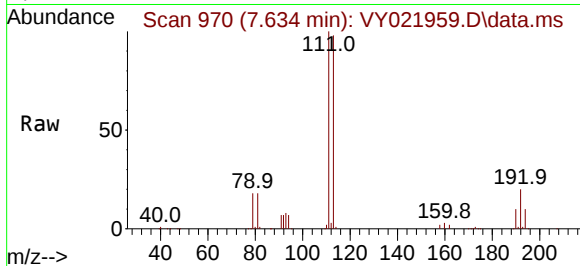




#35
Dibromofluoromethane
Concen: 50.474 ug/l
RT: 7.634 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY021959.D
Acq: 22 Apr 2025 16:38

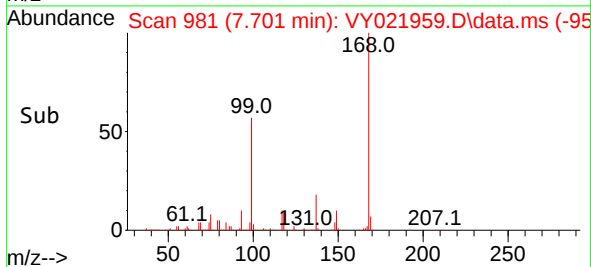
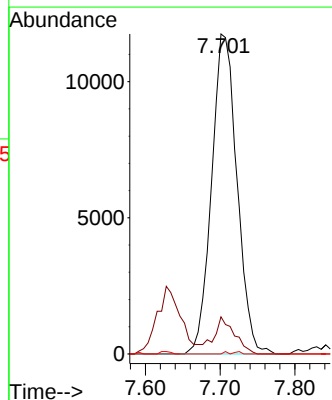
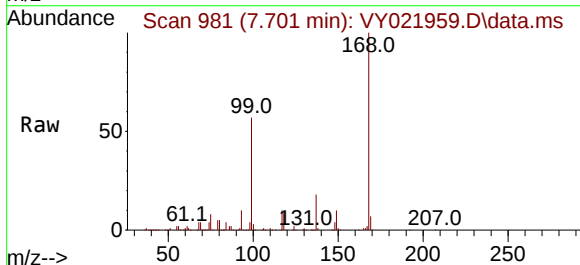
Instrument :
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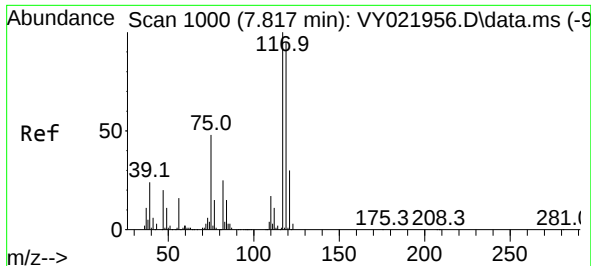
Tgt Ion:113 Resp: 230782
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 20.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.517 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY021959.D
Acq: 22 Apr 2025 16:38

Tgt Ion: 75 Resp: 27740
Ion Ratio Lower Upper
75 100
110 9.2 19.1 57.3#
77 0.1 25.5 38.3#

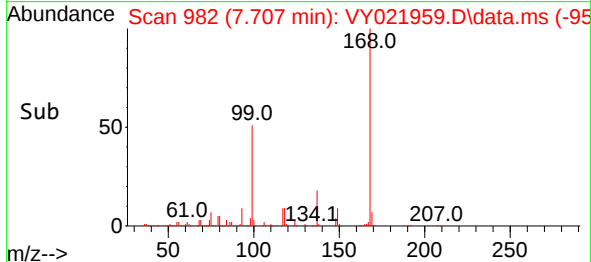
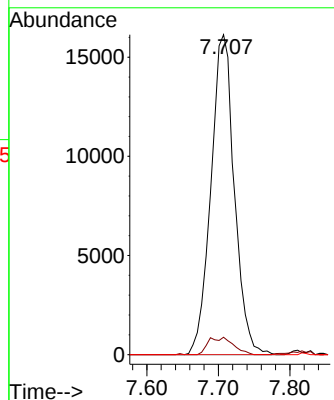
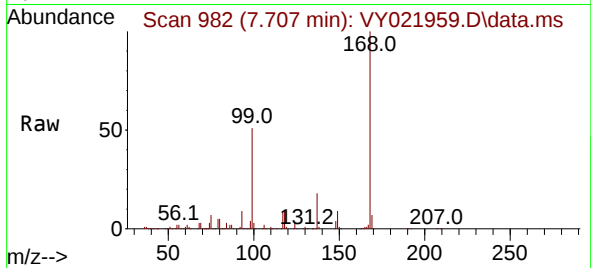




#38
Carbon Tetrachloride
Concen: 5.002 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021959.D
Acq: 22 Apr 2025 16:38

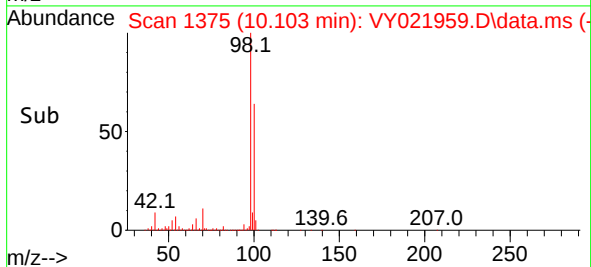
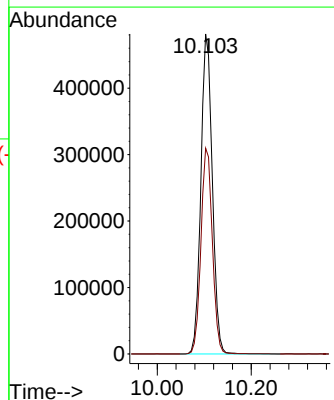
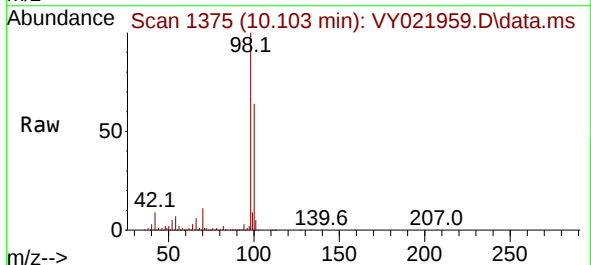
Instrument :
MSVOA_Y
ClientSampleId :
IBLK

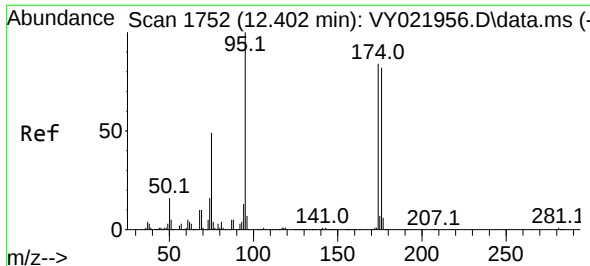
Tgt Ion:117 Resp: 36711
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.210 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021959.D
Acq: 22 Apr 2025 16:38

Tgt Ion: 98 Resp: 813784
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

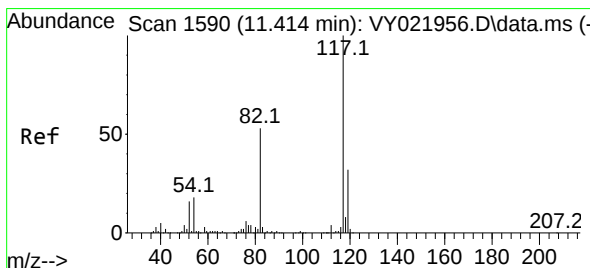
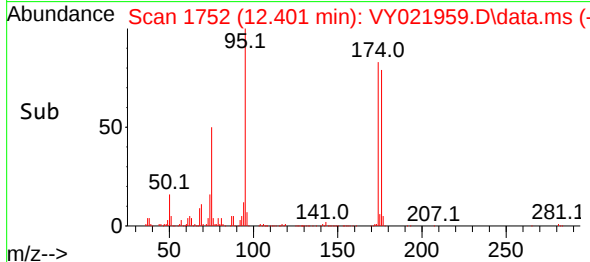
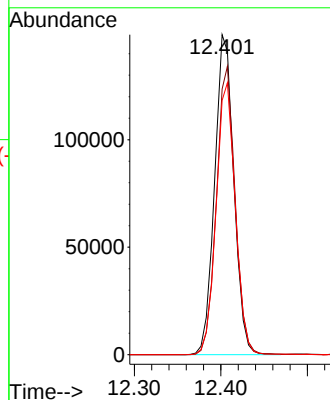
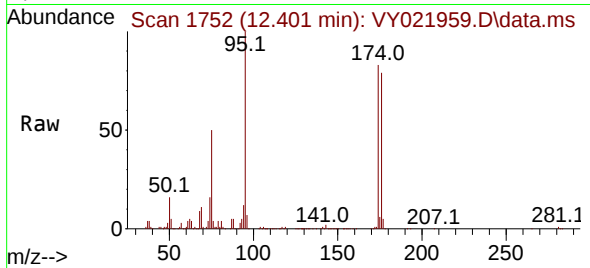




#62
4-Bromofluorobenzene
Concen: 39.463 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY021959.D
Acq: 22 Apr 2025 16:38

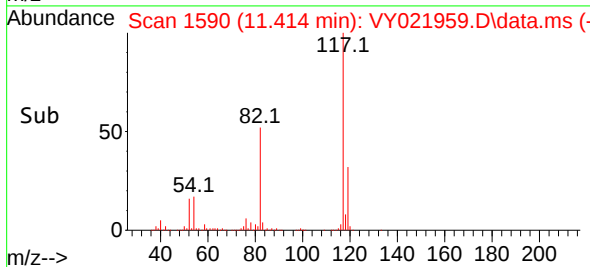
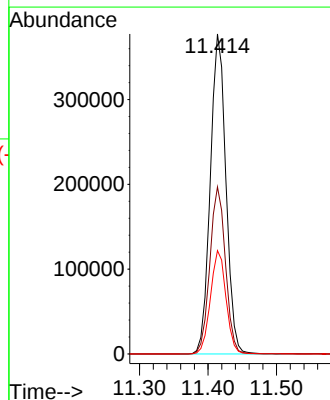
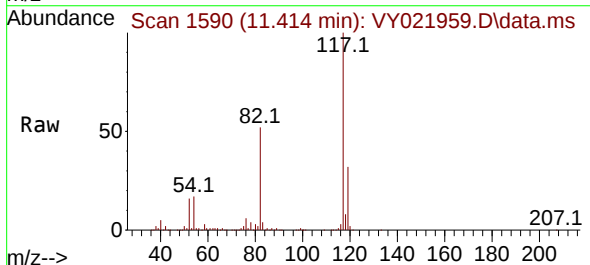
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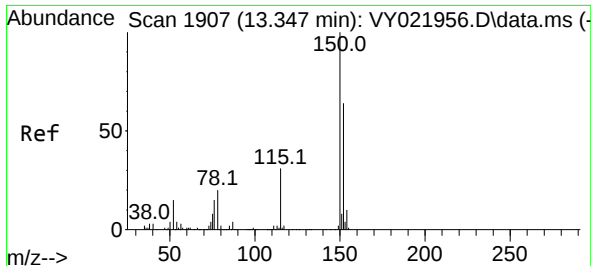
Tgt Ion: 95 Resp: 228996
Ion Ratio Lower Upper
95 100
174 88.2 0.0 179.0
176 84.9 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021959.D
Acq: 22 Apr 2025 16:38

Tgt Ion: 117 Resp: 597690
Ion Ratio Lower Upper
117 100
82 52.2 42.1 63.1
119 32.3 25.7 38.5

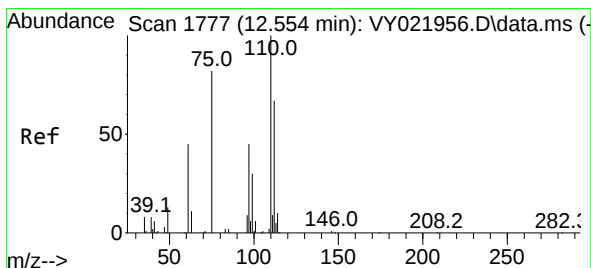
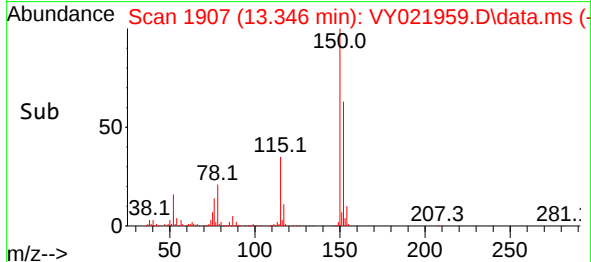
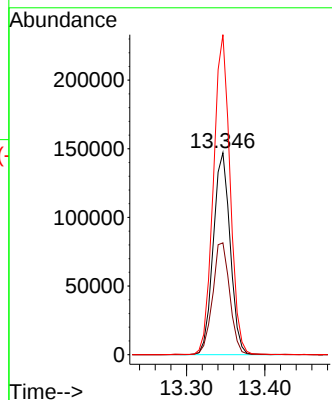
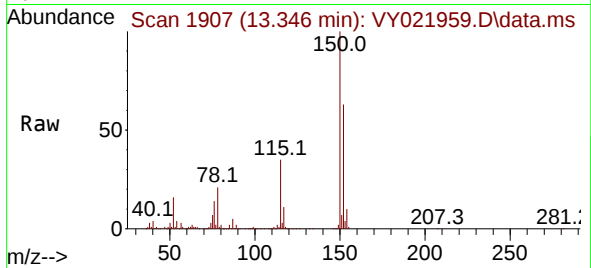




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY021959.D
 Acq: 22 Apr 2025 16:38

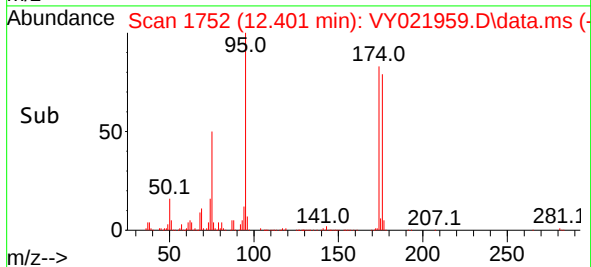
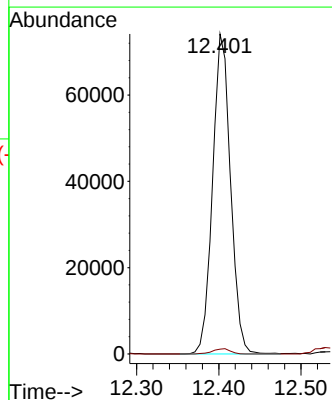
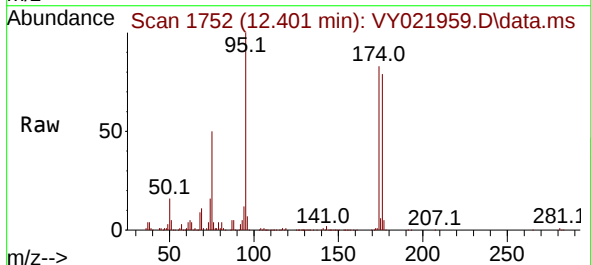
Instrument :
 MSVOA_Y
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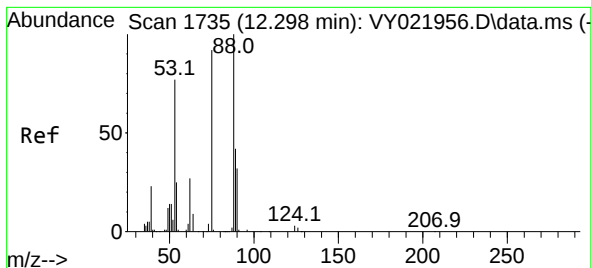
Tgt Ion:152 Resp: 220015
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.0 84.0
 150 156.1 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 59.628 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY021959.D
 Acq: 22 Apr 2025 16:38

Tgt Ion: 75 Resp: 112371
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

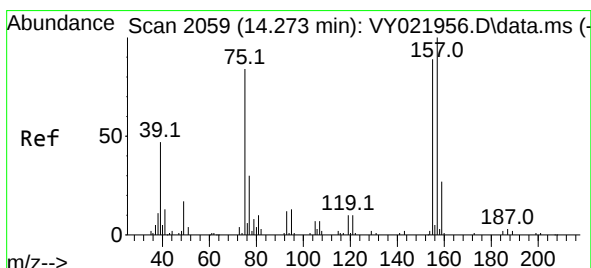
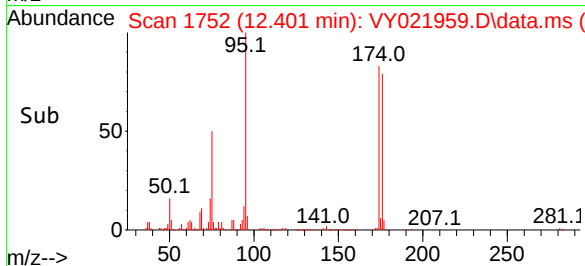
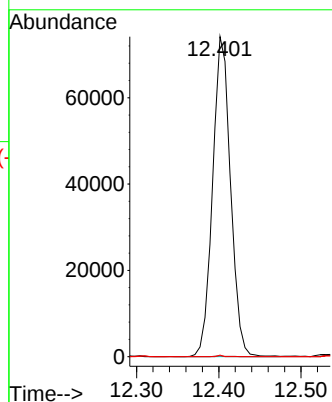
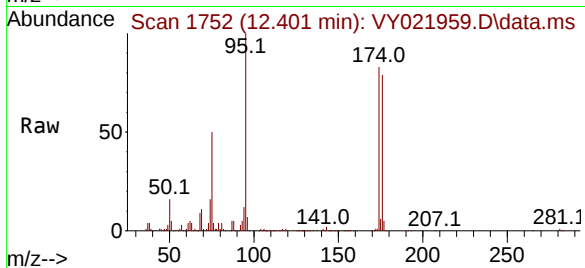




#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.593 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY021959.D
 Acq: 22 Apr 2025 16:38

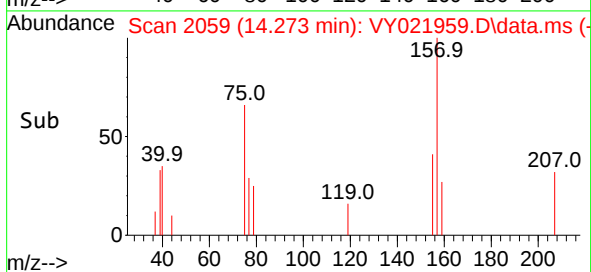
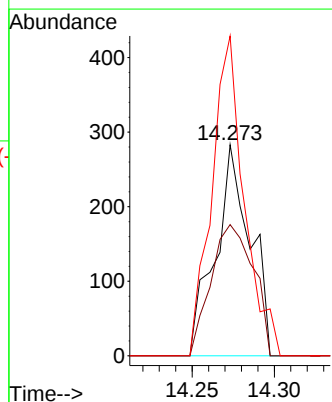
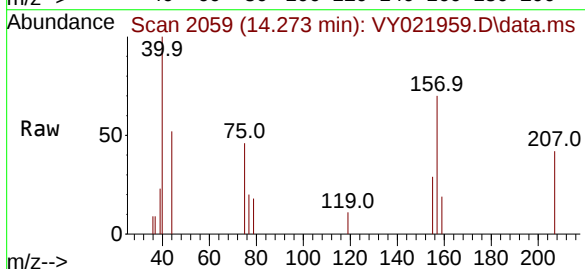
Instrument :
 MSVOA_Y
 ClientSampleId :
 IBLK

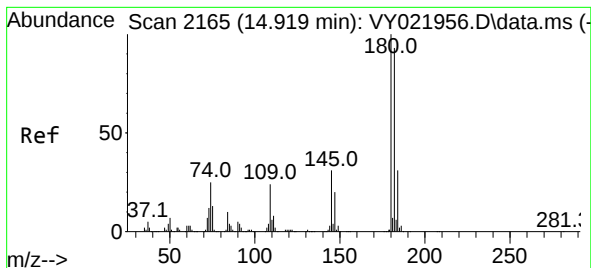
Tgt Ion: 75 Resp: 112371
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.1 37.2 55.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.060 ug/l
 RT: 14.273 min Scan# 2059
 Delta R.T. -0.000 min
 Lab File: VY021959.D
 Acq: 22 Apr 2025 16:38

Tgt Ion: 75 Resp: 418
 Ion Ratio Lower Upper
 75 100
 155 75.6 50.7 152.3
 157 140.4 62.6 187.8





#93

1,2,4-Trichlorobenzene

Concen: 1.744 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY021959.D

Acq: 22 Apr 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

IBLK

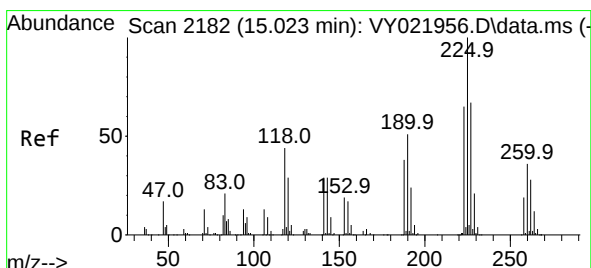
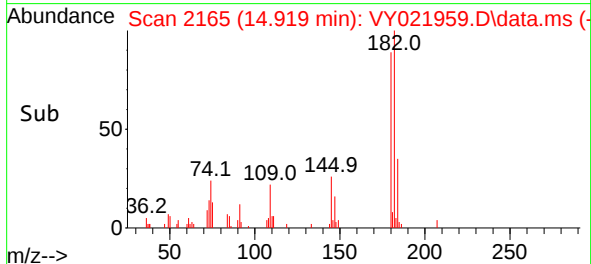
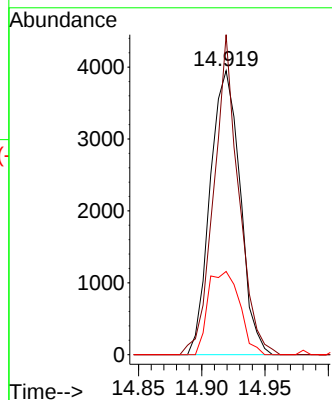
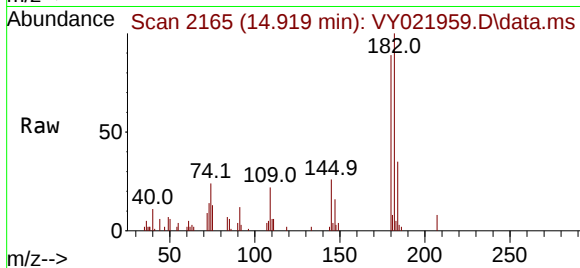
Tgt Ion:180 Resp: 6504

Ion Ratio Lower Upper

180 100

182 93.1 47.1 141.4

145 31.0 15.0 45.0



#94

Hexachlorobutadiene

Concen: 1.092 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY021959.D

Acq: 22 Apr 2025 16:38

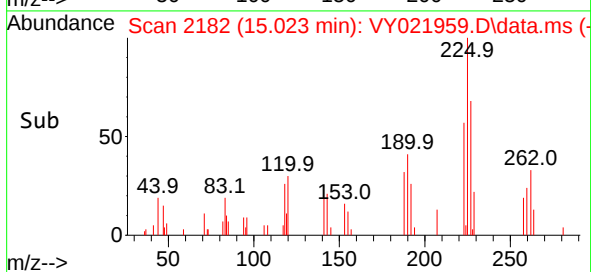
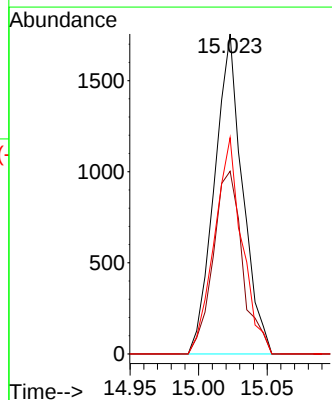
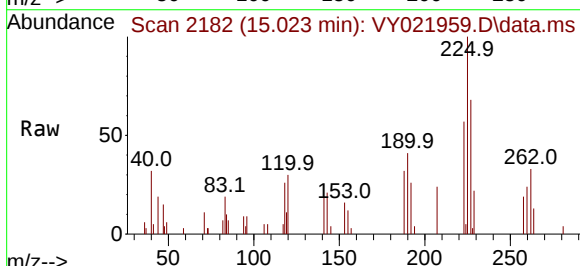
Tgt Ion:225 Resp: 2504

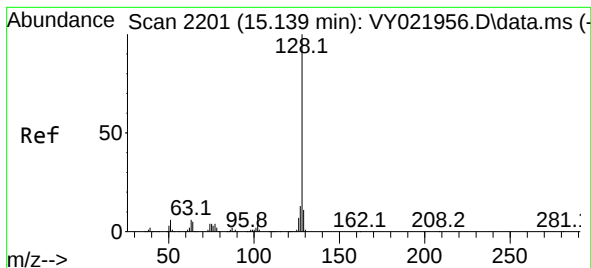
Ion Ratio Lower Upper

225 100

223 59.7 31.9 95.5

227 66.8 32.3 96.9





#95

Naphthalene

Concen: 2.279 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY021959.D

Acq: 22 Apr 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

IBLK

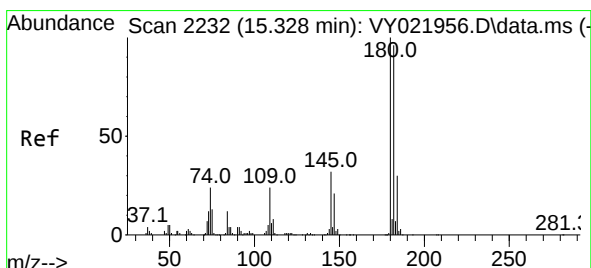
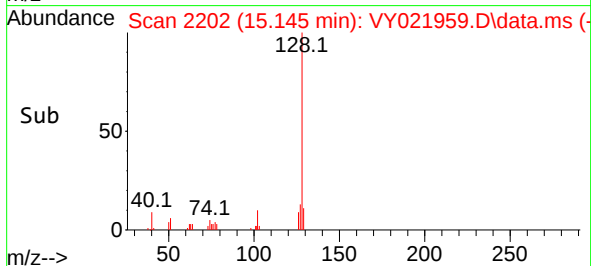
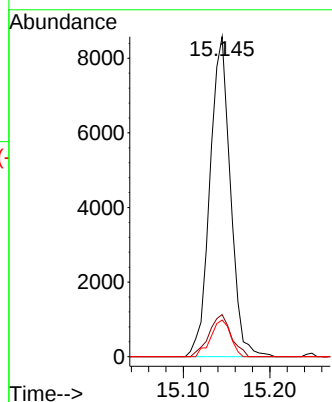
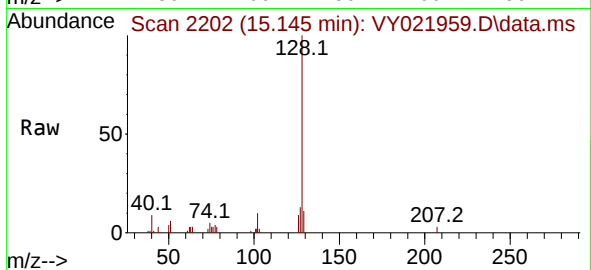
Tgt Ion:128 Resp: 14116

Ion Ratio Lower Upper

128 100

127 14.2 10.6 16.0

129 11.0 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 2.115 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY021959.D

Acq: 22 Apr 2025 16:38

Tgt Ion:180 Resp: 6806

Ion Ratio Lower Upper

180 100

182 101.3 48.1 144.4

145 35.8 16.0 48.0

