

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012425\
 Data File : VY020930.D
 Acq On : 24 Jan 2025 15:13
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jan 25 01:43:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:08:18 2025
 Response via : Initial Calibration

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

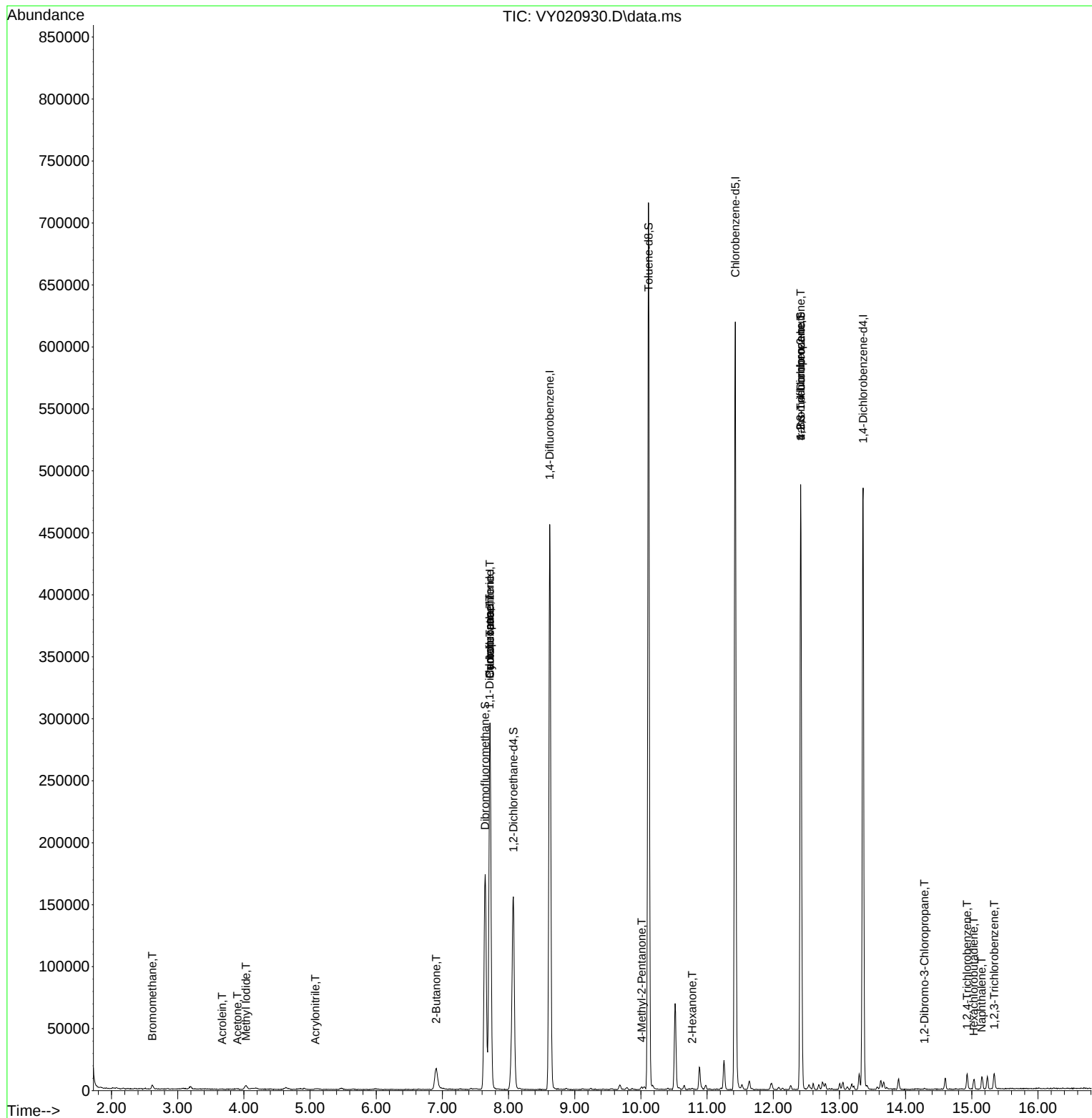
Internal Standards						
1) Pentafluorobenzene	7.719	168	241114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	406443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	347906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	133001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	115704	60.187	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.380%	
35) Dibromofluoromethane	7.646	113	127224	54.525	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.040%	
50) Toluene-d8	10.115	98	471429	52.089	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.180%	
62) 4-Bromofluorobenzene	12.413	95	143266	47.564	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 95.120%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.616	94	1857	1.855	ug/l	85
10) Methyl Iodide	4.031	142	5311	2.150	ug/l	99
13) Acrolein	3.671	56	202	1.004	ug/l #	65
15) Acrylonitrile	5.079	53	732	1.929	ug/l #	78
16) Acetone	3.903	43	1142	4.384	ug/l	98
25) 2-Butanone	6.908	43	1212	2.747	ug/l #	42
31) Cyclohexane	7.719	56	4062	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	16500	5.065	ug/l #	50
38) Carbon Tetrachloride	7.719	117	22219	5.656	ug/l #	16
51) 4-Methyl-2-Pentanone	10.011	43	1608	1.331	ug/l	88
59) 2-Hexanone	10.773	43	958	1.233	ug/l	78
76) 1,2,3-Trichloropropane	12.413	75	71927	79.426	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.413	75	71927	147.774	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.285	75	283	1.322	ug/l	70
93) 1,2,4-Trichlorobenzene	14.931	180	3935	1.836	ug/l	96
94) Hexachlorobutadiene	15.029	225	1713	1.168	ug/l	98
95) Naphthalene	15.151	128	8845	2.574	ug/l	98
96) 1,2,3-Trichlorobenzene	15.340	180	4355	2.419	ug/l	97

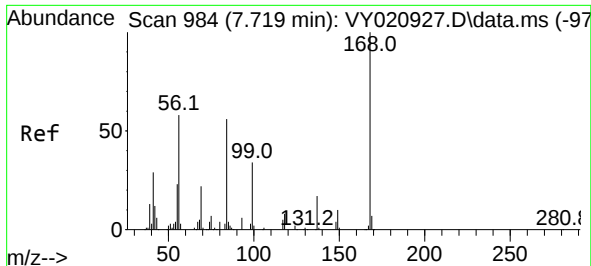
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 25 01:08:18 2025
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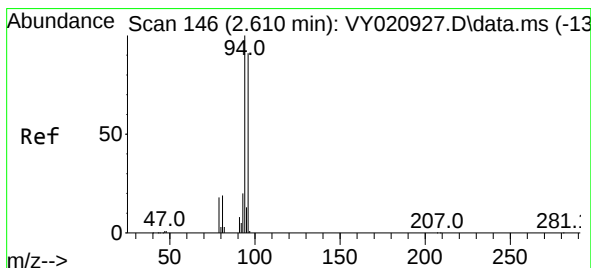
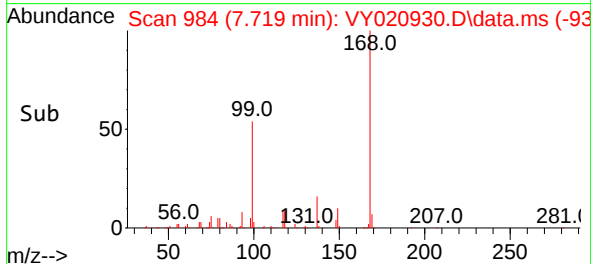
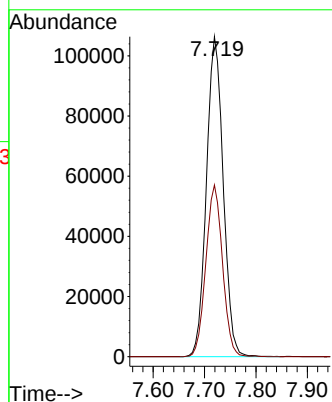
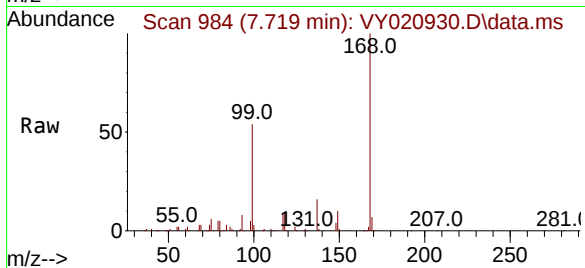




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.000 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

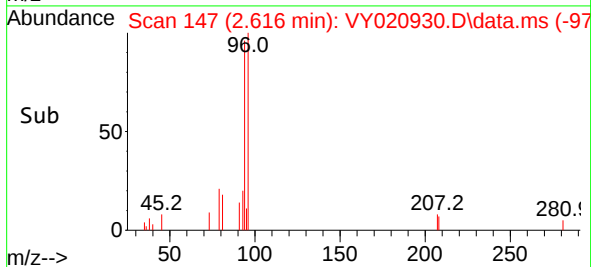
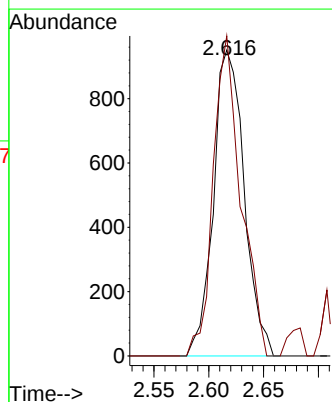
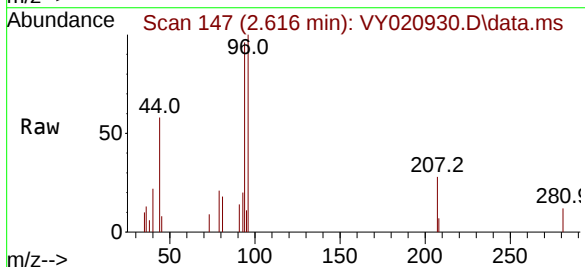
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

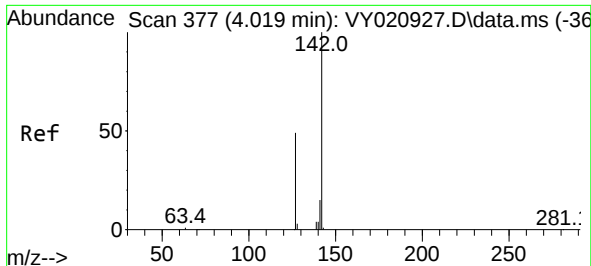
Tgt Ion:168 Resp: 241114
Ion Ratio Lower Upper
168 100
99 53.7 43.0 64.6



#5
Bromomethane
Concen: 1.855 ug/l
RT: 2.616 min Scan# 147
Delta R.T. 0.006 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

Tgt Ion: 94 Resp: 1857
Ion Ratio Lower Upper
94 100
96 104.6 72.6 109.0

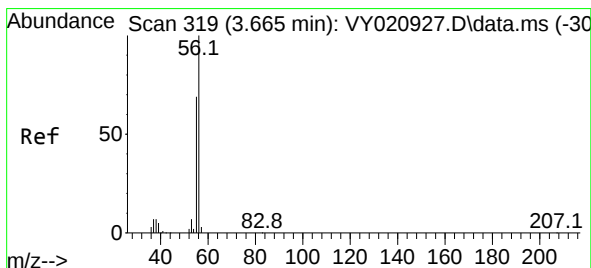
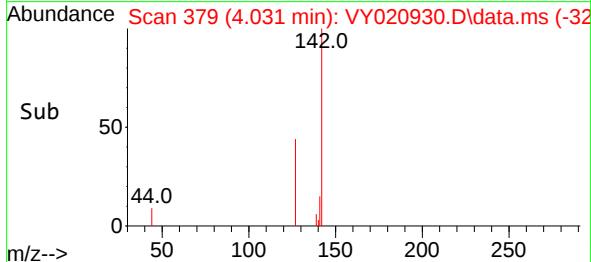
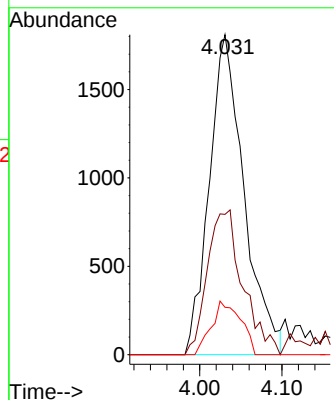
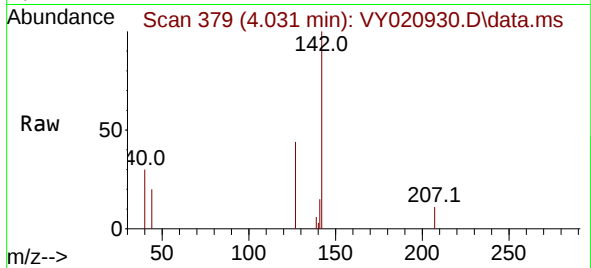




#10
Methyl Iodide
Concen: 2.150 ug/l
RT: 4.031 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

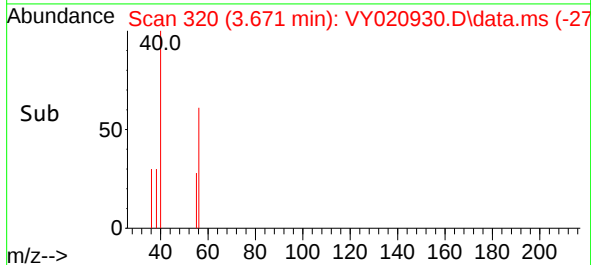
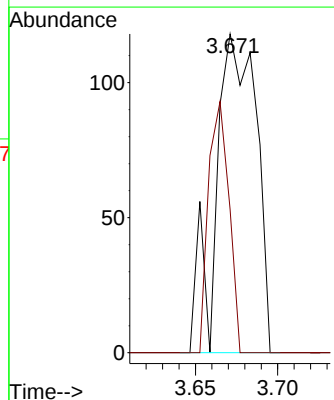
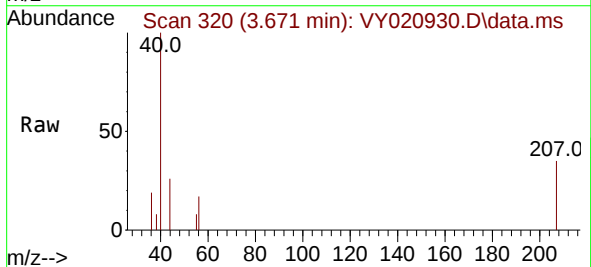
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

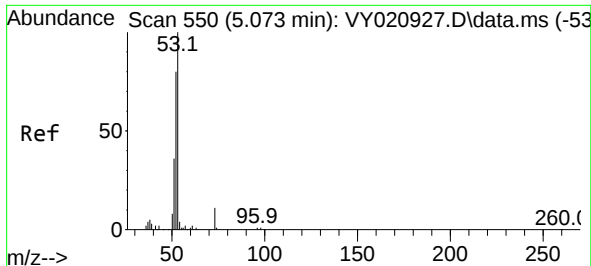
Tgt Ion:142 Resp: 5311
Ion Ratio Lower Upper
142 100
127 46.2 37.3 55.9
141 14.1 11.4 17.2



#13
Acrolein
Concen: 1.004 ug/l
RT: 3.671 min Scan# 320
Delta R.T. 0.006 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 39.6 54.6 81.8#

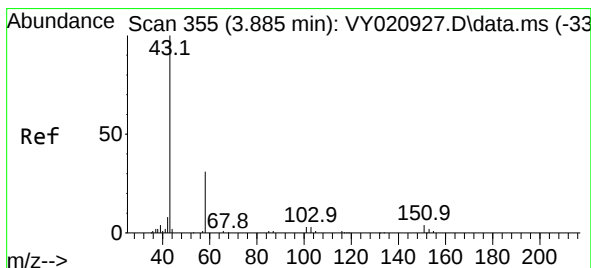
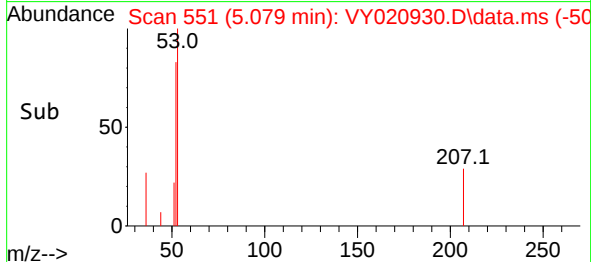
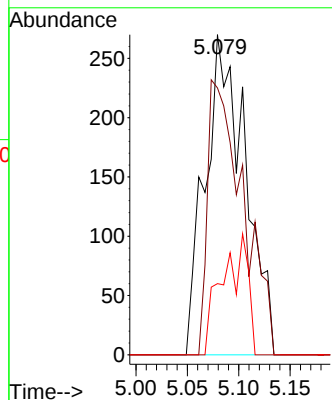
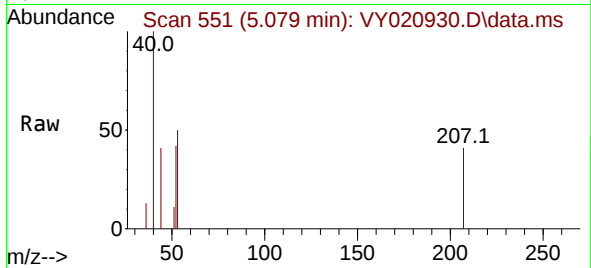




#15
Acrylonitrile
Concen: 1.929 ug/l
RT: 5.079 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

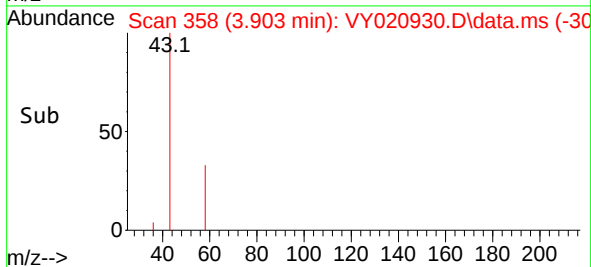
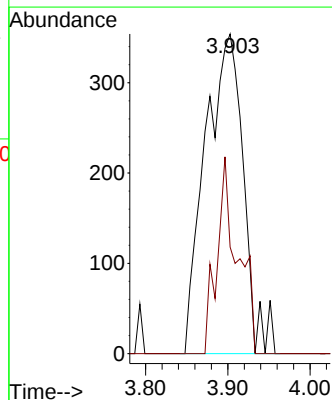
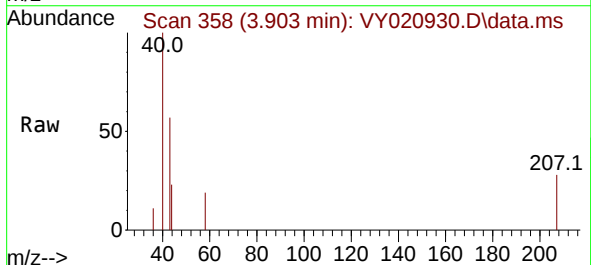
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

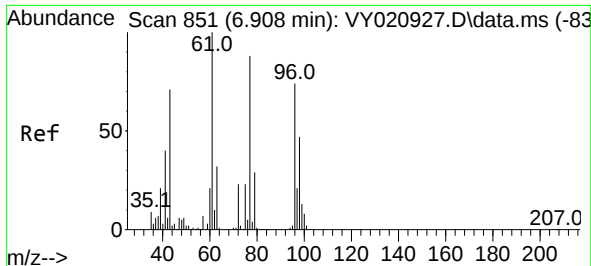
Tgt Ion: 53 Resp: 732
Ion Ratio Lower Upper
53 100
52 76.1 64.5 96.7
51 0.0 28.9 43.3#



#16
Acetone
Concen: 4.384 ug/l
RT: 3.903 min Scan# 358
Delta R.T. 0.018 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 33.3 25.6 38.4

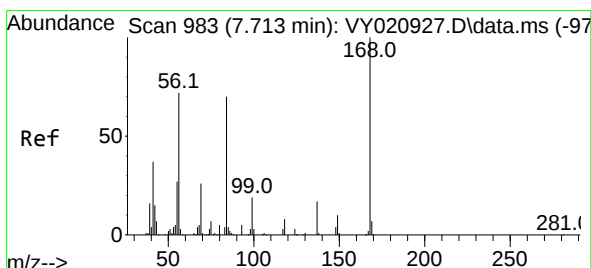
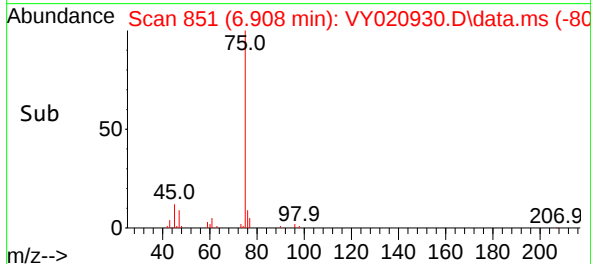
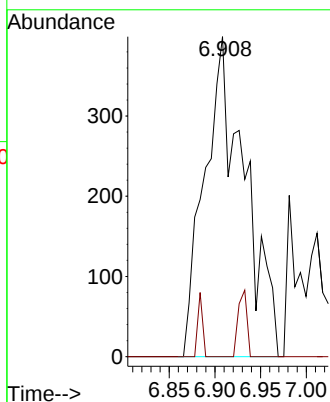
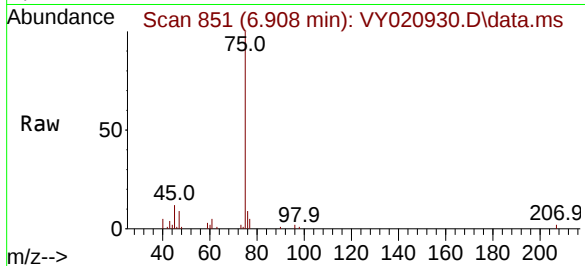




#25
2-Butanone
Concen: 2.747 ug/l
RT: 6.908 min Scan# 851
Delta R.T. -0.000 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

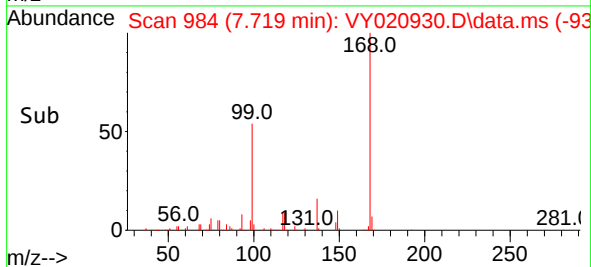
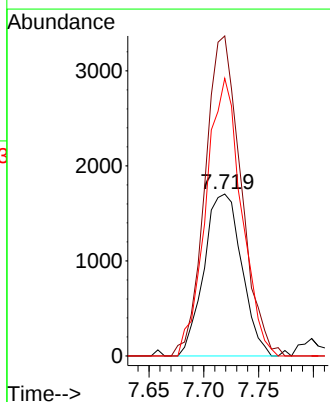
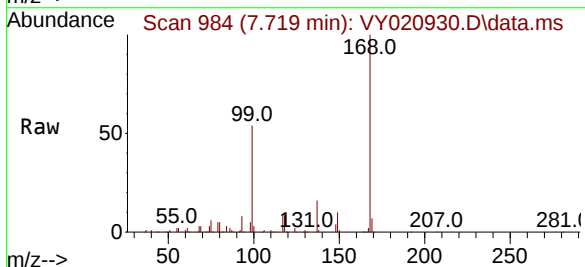
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

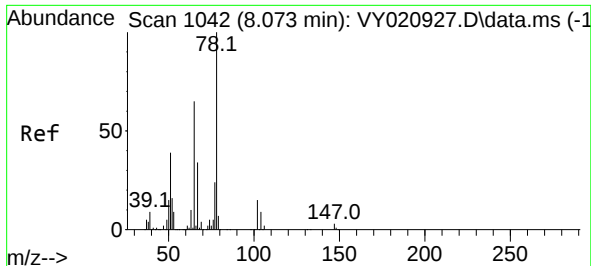
Tgt Ion: 43 Resp: 1212
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#31
Cyclohexane
Concen: 1.187 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.006 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

Tgt Ion: 56 Resp: 4062
Ion Ratio Lower Upper
56 100
69 192.5 28.7 43.1#
84 171.4 77.4 116.0#





#33

1,2-Dichloroethane-d4

Concen: 60.187 ug/l

RT: 8.073 min Scan# 115704

Delta R.T. -0.000 min

Lab File: VY020930.D

Acq: 24 Jan 2025 15:13

Instrument :

MSVOA_Y

ClientSampleId :

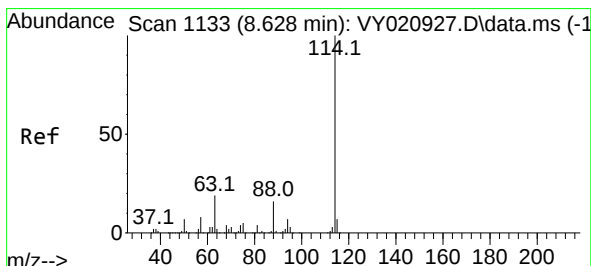
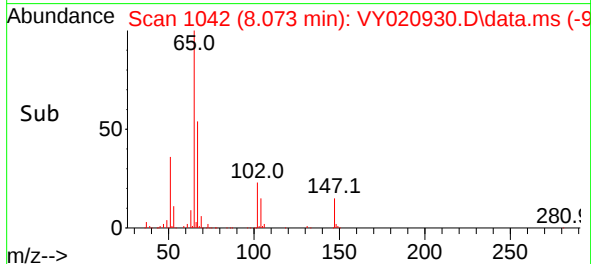
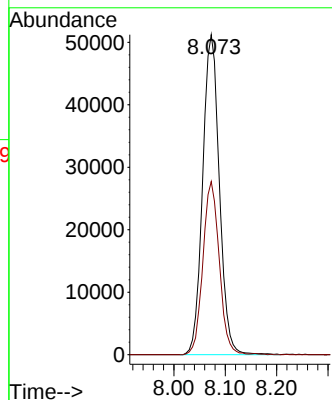
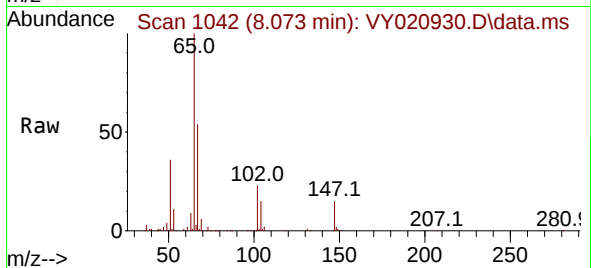
VIBLK

Tgt Ion: 65 Resp: 115704

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY020930.D

Acq: 24 Jan 2025 15:13

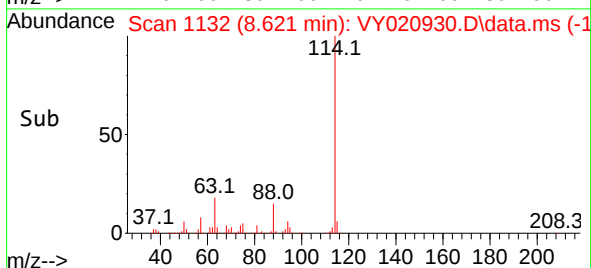
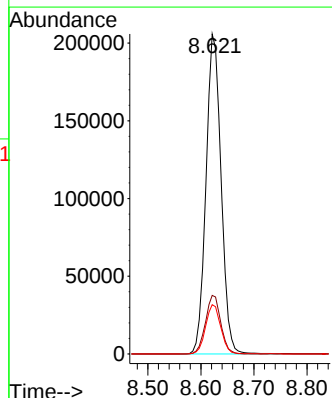
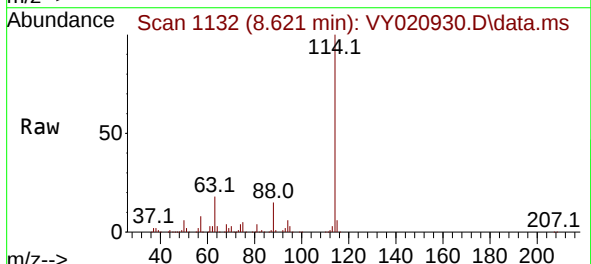
Tgt Ion: 114 Resp: 406443

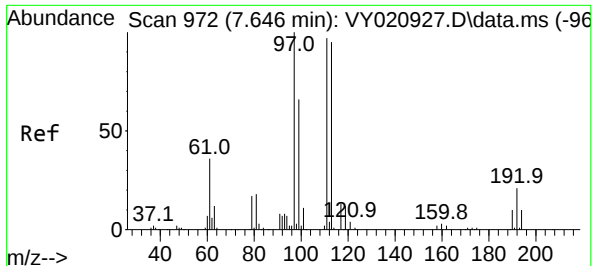
Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 15.4 0.0 31.6

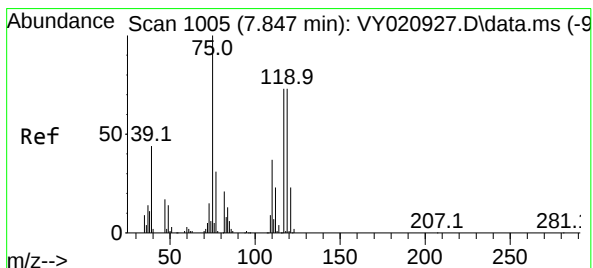
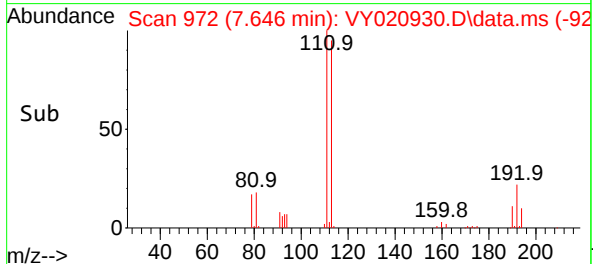
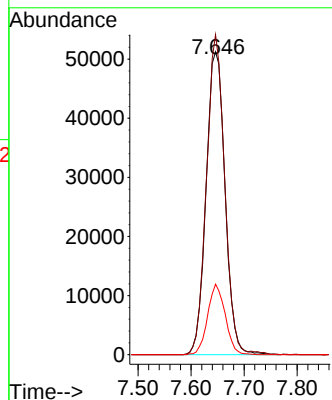
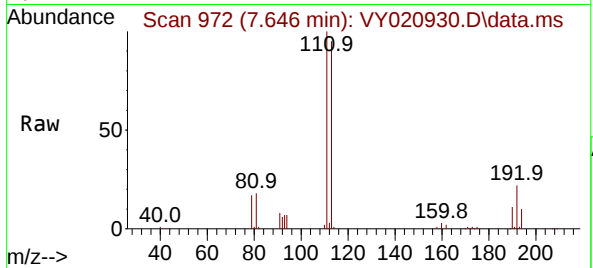




#35
Dibromofluoromethane
Concen: 54.525 ug/l
RT: 7.646 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

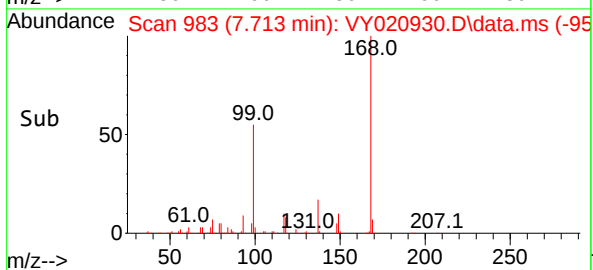
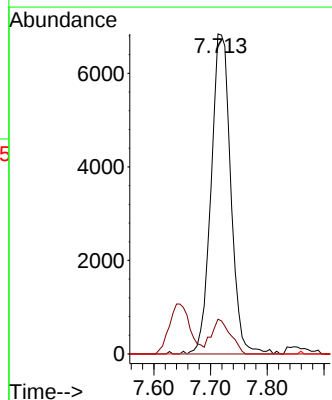
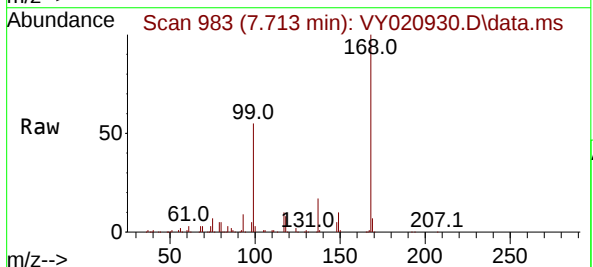
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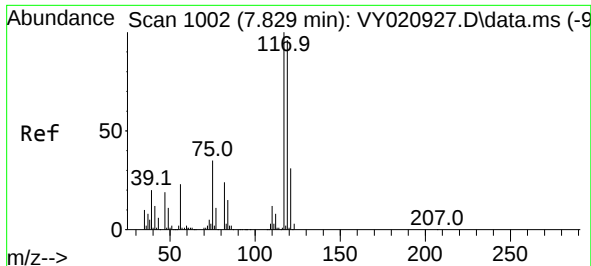
Tgt Ion:113 Resp: 127224
Ion Ratio Lower Upper
113 100
111 101.8 82.3 123.5
192 21.7 17.4 26.2



#36
1,1-Dichloropropene
Concen: 5.065 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.134 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

Tgt Ion: 75 Resp: 16500
Ion Ratio Lower Upper
75 100
110 10.4 18.5 55.5#
77 0.0 25.0 37.4#

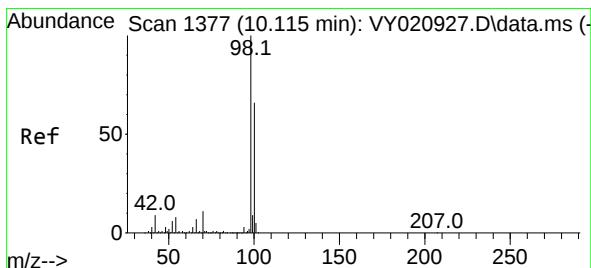
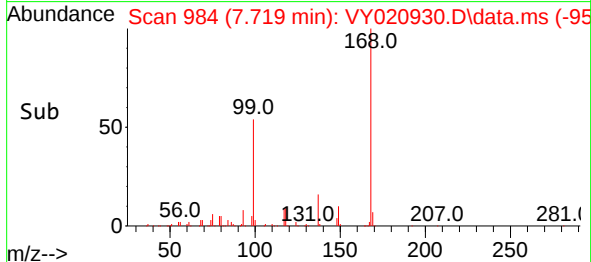
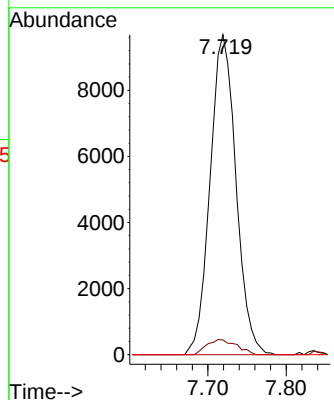
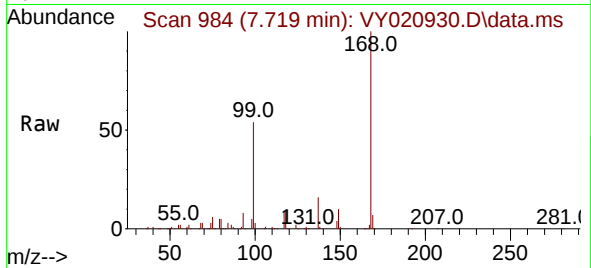




#38
Carbon Tetrachloride
Concen: 5.656 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

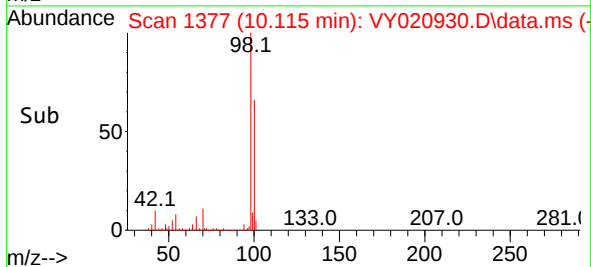
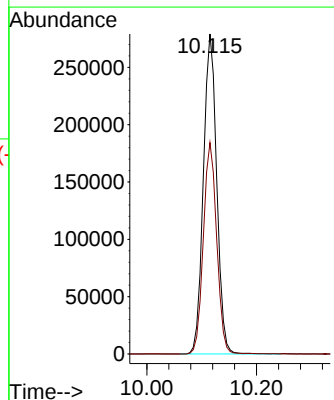
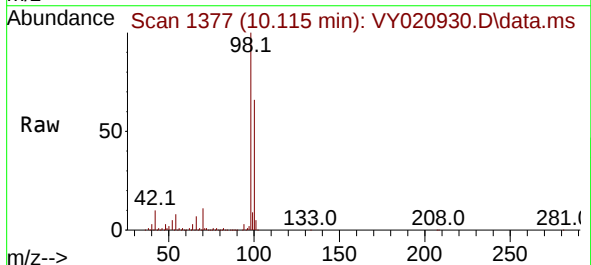
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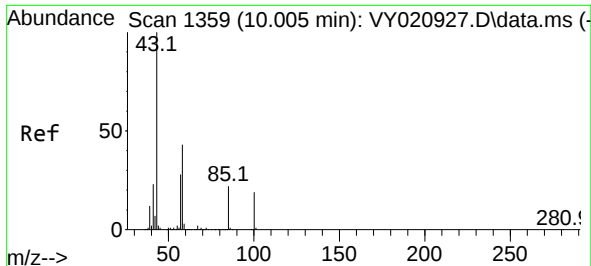
Tgt Ion:117 Resp: 22219
Ion Ratio Lower Upper
117 100
119 4.6 76.5 114.7#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 52.089 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

Tgt Ion: 98 Resp: 471429
Ion Ratio Lower Upper
98 100
100 65.8 52.3 78.5

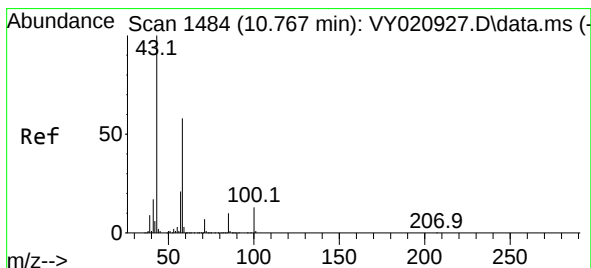
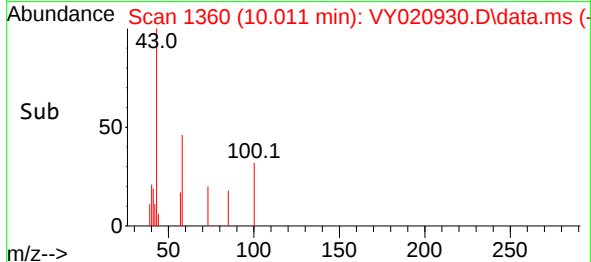
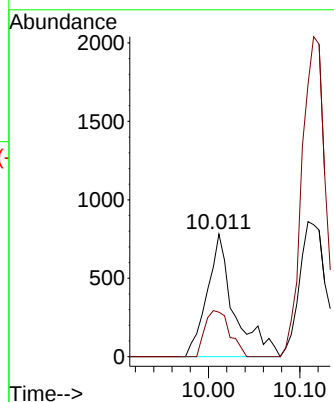
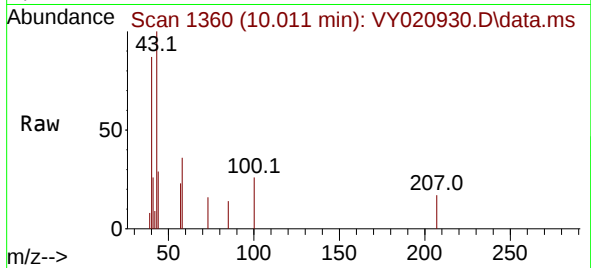




#51
4-Methyl-2-Pentanone
Concen: 1.331 ug/l
RT: 10.011 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

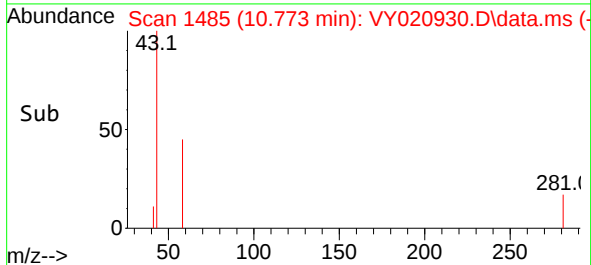
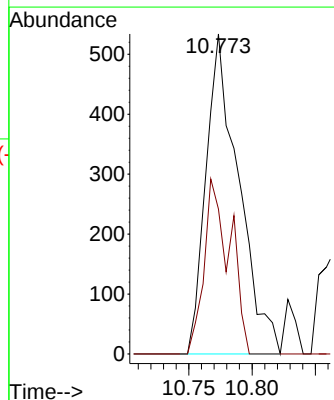
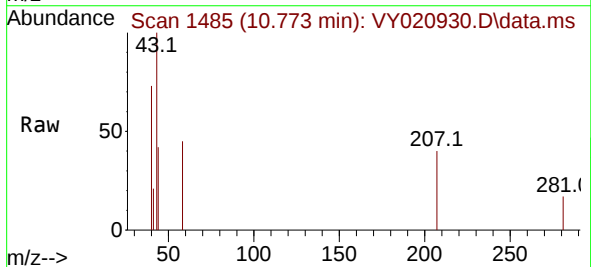
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

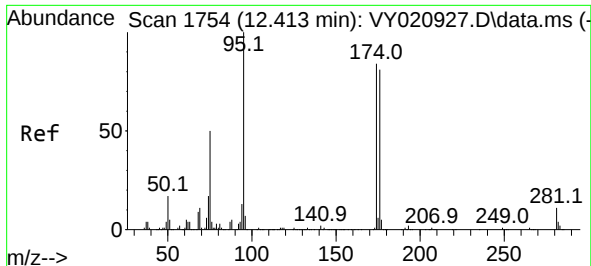
Tgt Ion: 43 Resp: 1608
Ion Ratio Lower Upper
43 100
58 34.4 33.7 50.5



#59
2-Hexanone
Concen: 1.233 ug/l
RT: 10.773 min Scan# 1485
Delta R.T. 0.006 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

Tgt Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
58 43.5 29.9 89.8

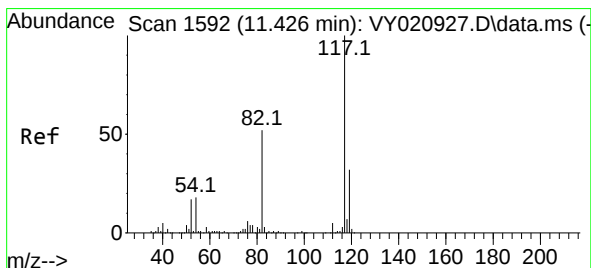
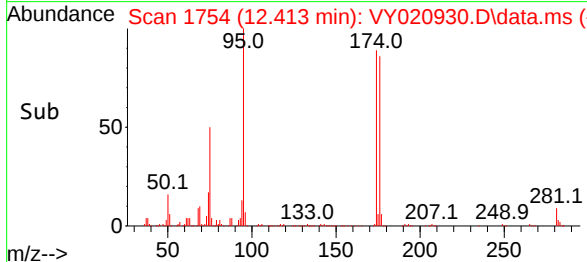
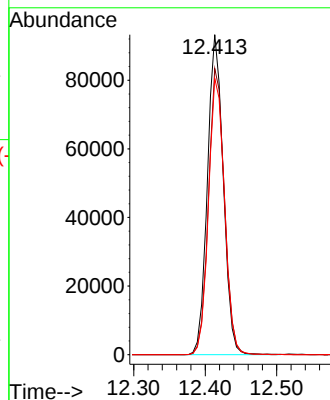
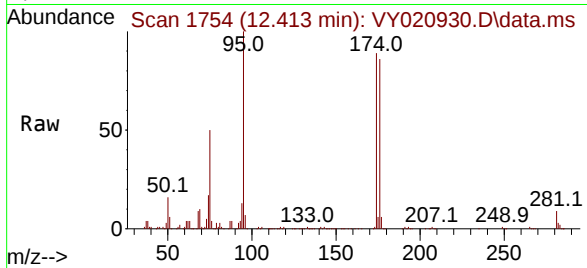




#62
4-Bromofluorobenzene
Concen: 47.564 ug/l
RT: 12.413 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

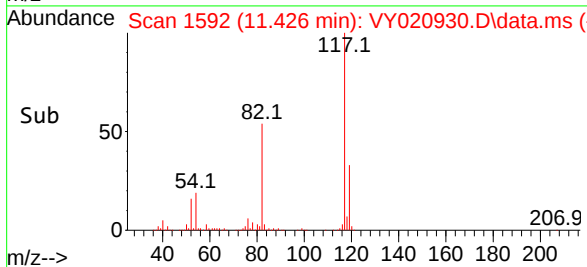
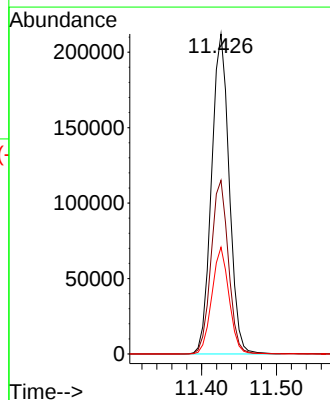
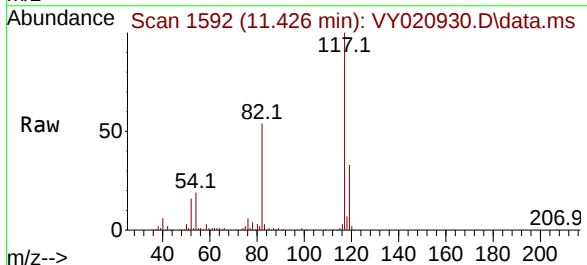
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

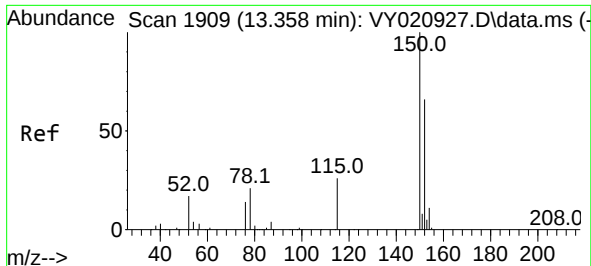
Tgt Ion: 95 Resp: 143266
Ion Ratio Lower Upper
95 100
174 90.4 0.0 177.4
176 87.7 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. -0.000 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

Tgt Ion: 117 Resp: 347906
Ion Ratio Lower Upper
117 100
82 54.3 41.8 62.8
119 33.3 26.0 39.0

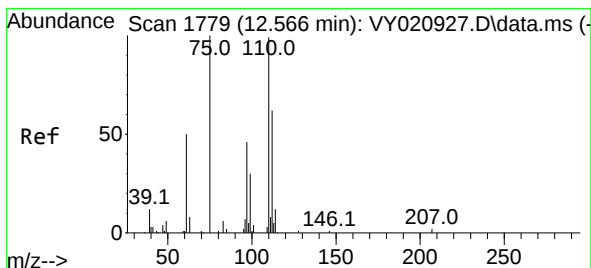
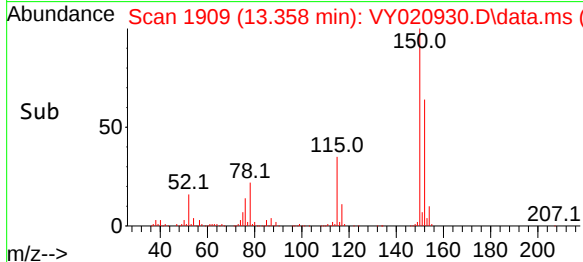
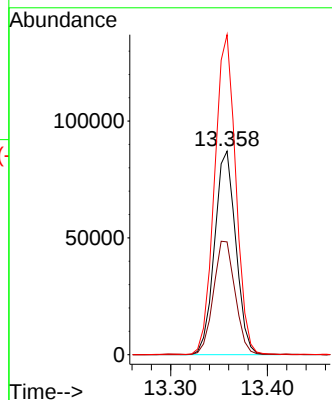
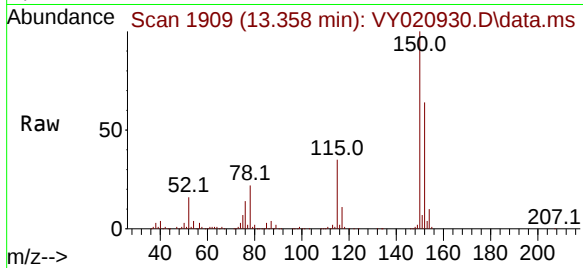




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.358 min Scan# 1909
 Delta R.T. -0.000 min
 Lab File: VY020930.D
 Acq: 24 Jan 2025 15:13

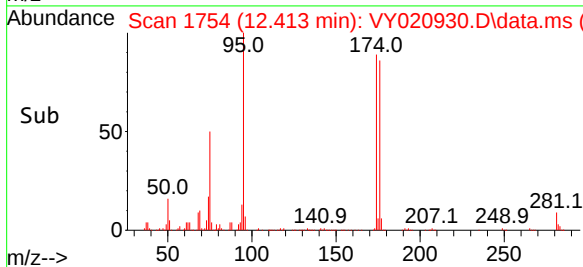
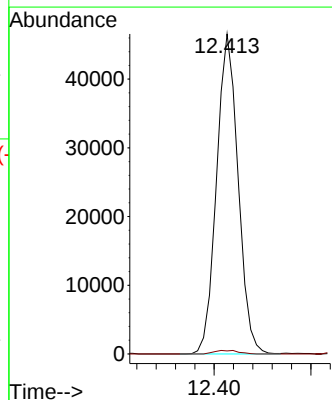
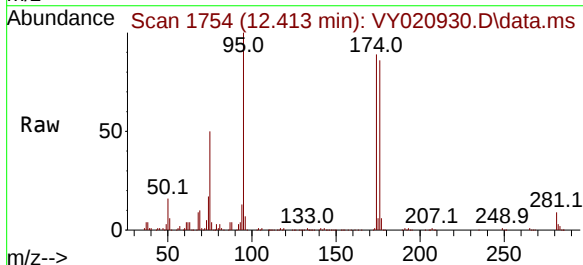
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

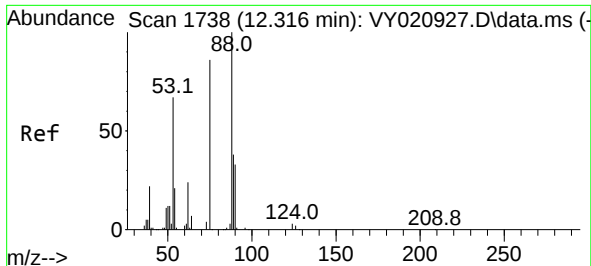
Tgt Ion:152 Resp: 133001
 Ion Ratio Lower Upper
 152 100
 115 56.9 29.0 87.0
 150 156.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 79.426 ug/l
 RT: 12.413 min Scan# 1754
 Delta R.T. -0.153 min
 Lab File: VY020930.D
 Acq: 24 Jan 2025 15:13

Tgt Ion: 75 Resp: 71927
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

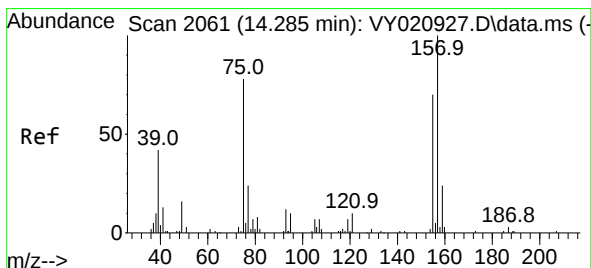
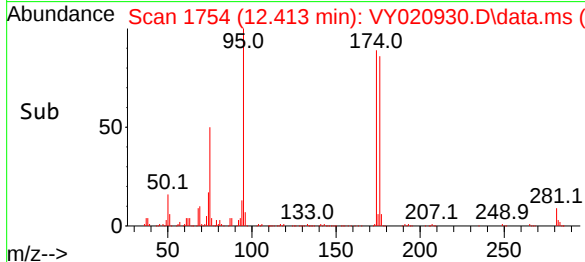
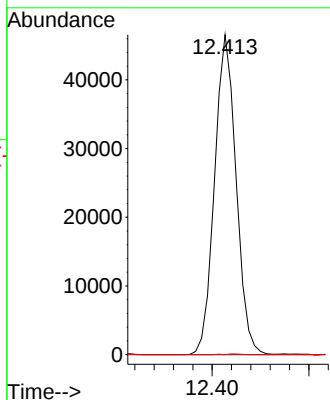
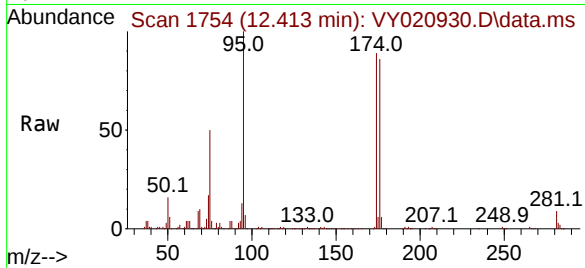




#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.774 ug/l
 RT: 12.413 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY020930.D
 Acq: 24 Jan 2025 15:13

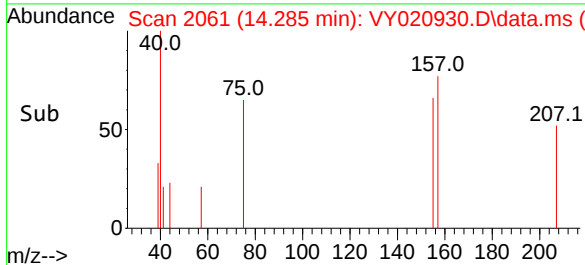
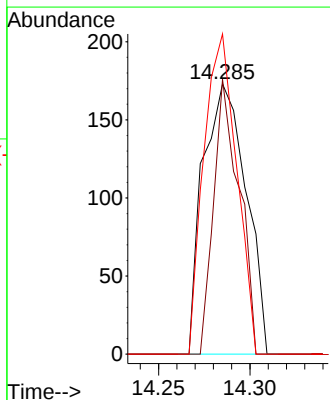
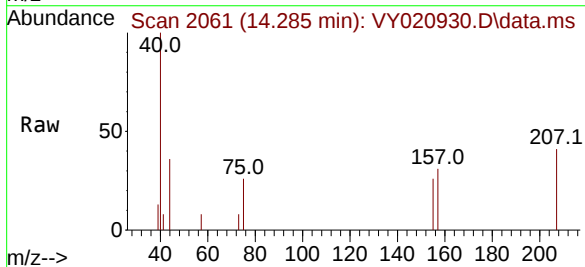
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

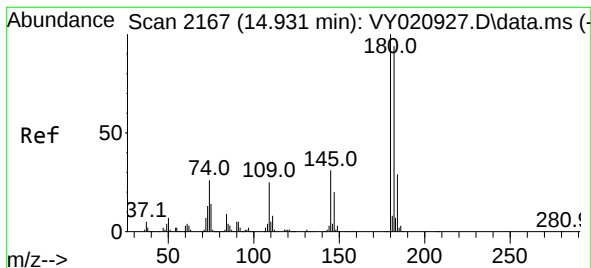
Tgt Ion: 75 Resp: 71927
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.2 38.4 57.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.322 ug/l
 RT: 14.285 min Scan# 2061
 Delta R.T. -0.000 min
 Lab File: VY020930.D
 Acq: 24 Jan 2025 15:13

Tgt Ion: 75 Resp: 283
 Ion Ratio Lower Upper
 75 100
 155 60.1 46.6 139.7
 157 90.5 60.1 180.3





#93

1,2,4-Trichlorobenzene

Concen: 1.836 ug/l

RT: 14.931 min Scan# 2167

Delta R.T. -0.000 min

Lab File: VY020930.D

Acq: 24 Jan 2025 15:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

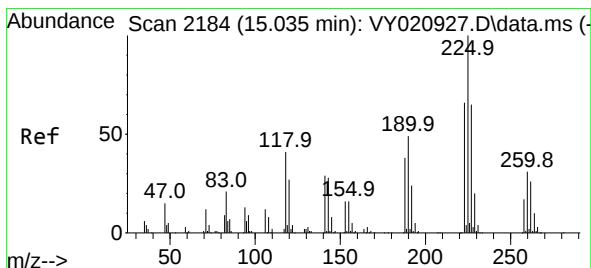
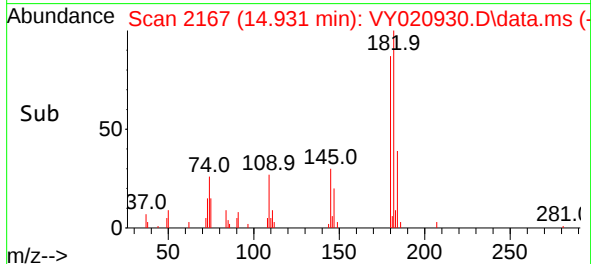
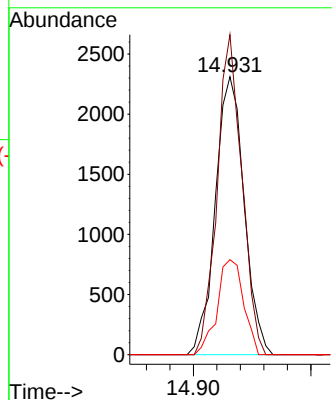
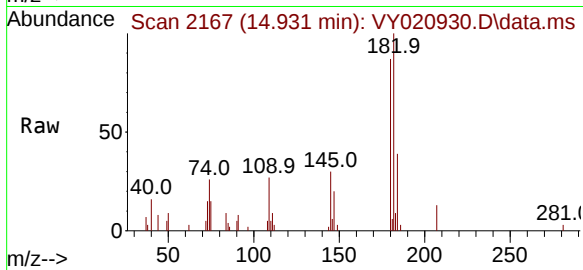
Tgt Ion:180 Resp: 3935

Ion Ratio Lower Upper

180 100

182 98.7 47.0 141.2

145 31.3 14.9 44.5



#94

Hexachlorobutadiene

Concen: 1.168 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. -0.006 min

Lab File: VY020930.D

Acq: 24 Jan 2025 15:13

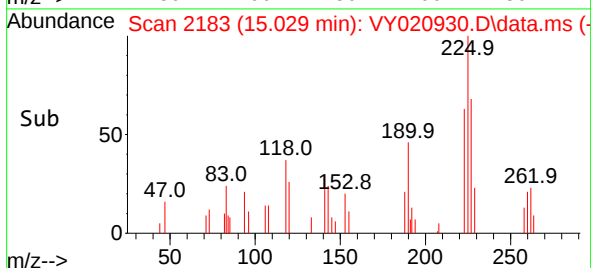
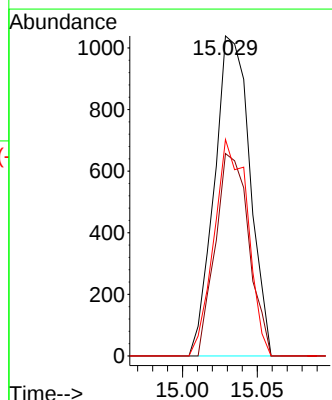
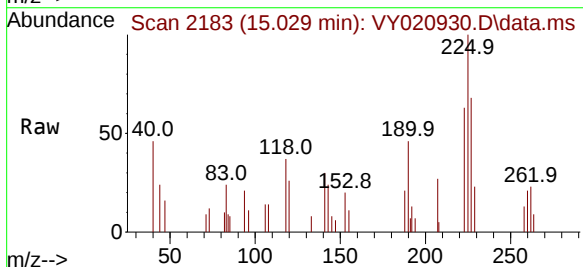
Tgt Ion:225 Resp: 1713

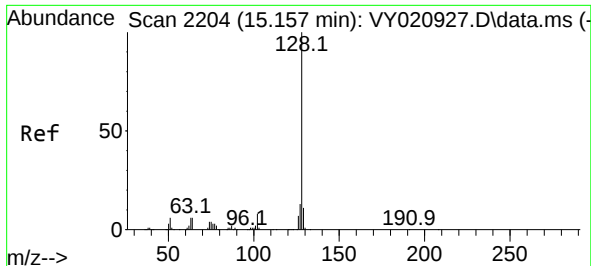
Ion Ratio Lower Upper

225 100

223 59.7 31.5 94.5

227 63.9 31.9 95.9

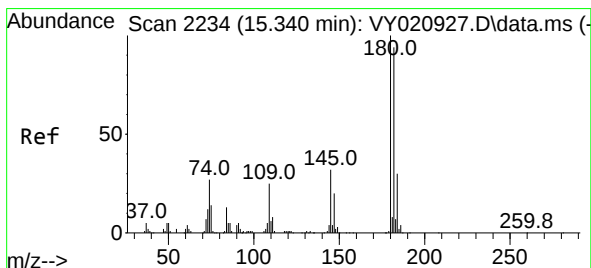
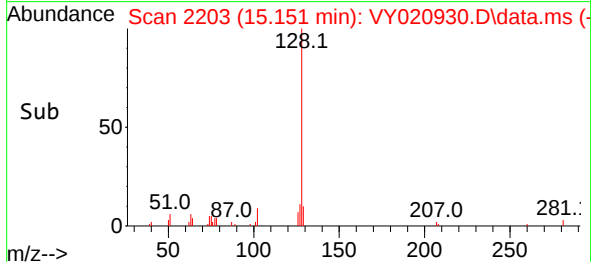
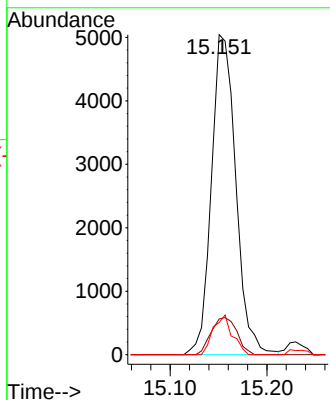
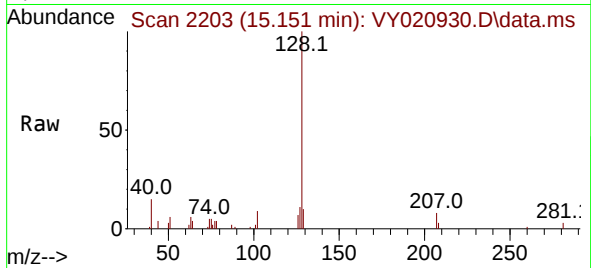




#95
Naphthalene
Concen: 2.574 ug/l
RT: 15.151 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 8845
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 9.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 2.419 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. -0.000 min
Lab File: VY020930.D
Acq: 24 Jan 2025 15:13

Tgt Ion:180 Resp: 4355
Ion Ratio Lower Upper
180 100
182 98.5 47.5 142.6
145 31.8 15.7 47.0

