

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010625\
 Data File : VY020780.D
 Acq On : 06 Jan 2025 11:55
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 07 02:00:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

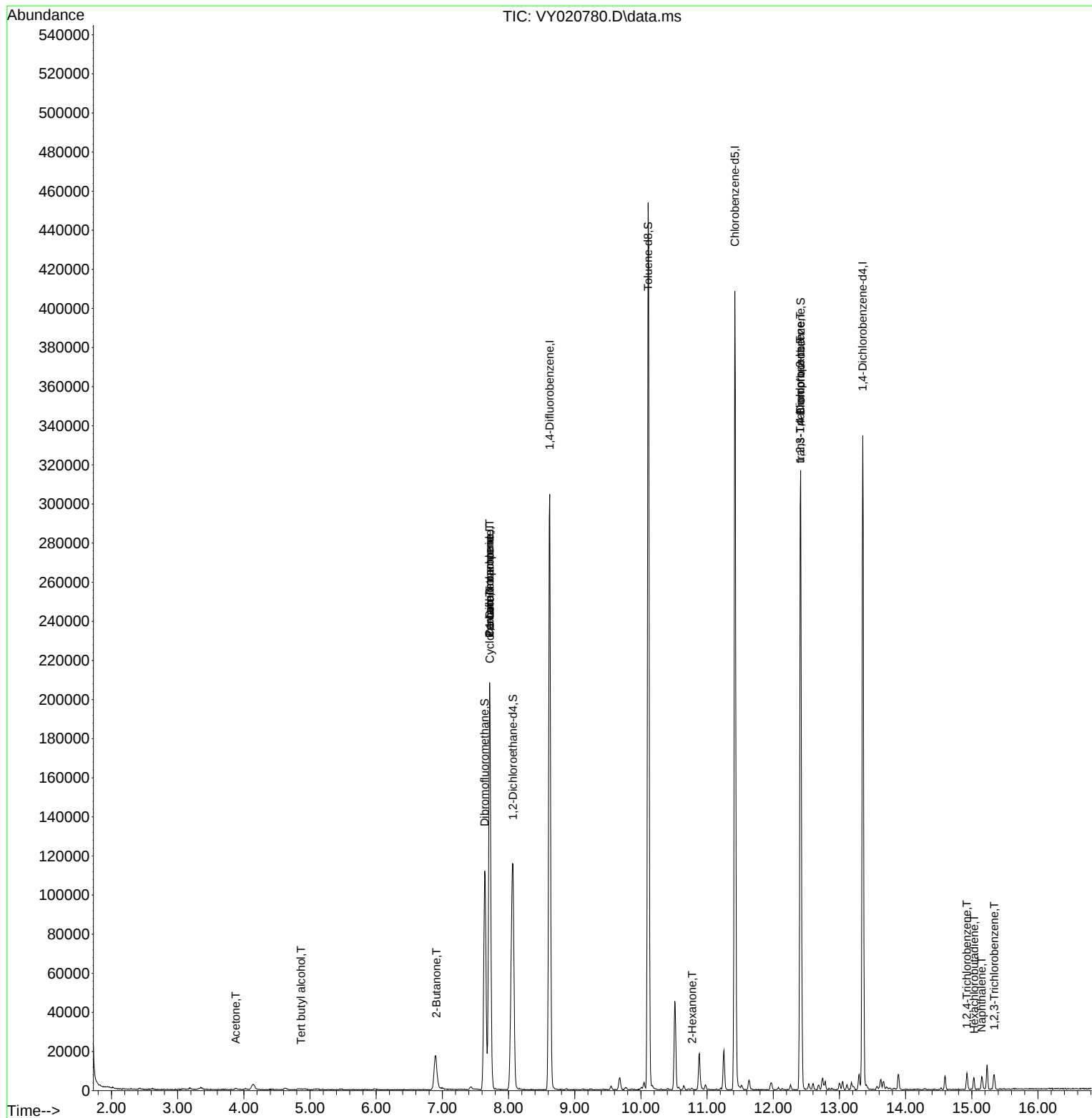
Internal Standards						
1) Pentafluorobenzene	7.713	168	163730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	267025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	224547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	87986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	71420	51.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.640%			
35) Dibromofluoromethane	7.640	113	79951	47.792	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.580%			
50) Toluene-d8	10.109	98	310150	53.183	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.360%			
62) 4-Bromofluorobenzene	12.414	95	93483	43.409	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 86.820%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	372	3.538	ug/l #	73
16) Acetone	3.879	43	1122	5.670	ug/l	94
25) 2-Butanone	6.909	43	1062	3.267	ug/l #	45
31) Cyclohexane	7.720	56	2752	1.359	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	11280	5.286	ug/l #	51
38) Carbon Tetrachloride	7.713	117	16076	5.412	ug/l #	16
59) 2-Hexanone	10.774	43	594	1.073	ug/l	96
76) 1,2,3-Trichloropropane	12.408	75	47551	61.766	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	47551	130.235	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.926	180	2856	1.815	ug/l	96
94) Hexachlorobutadiene	15.035	225	1223	1.103	ug/l	97
95) Naphthalene	15.151	128	5752	2.221	ug/l	97
96) 1,2,3-Trichlorobenzene	15.340	180	2958	2.244	ug/l	100

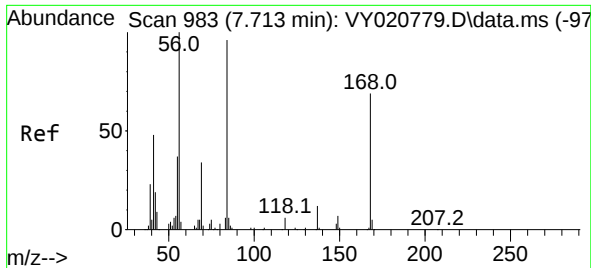
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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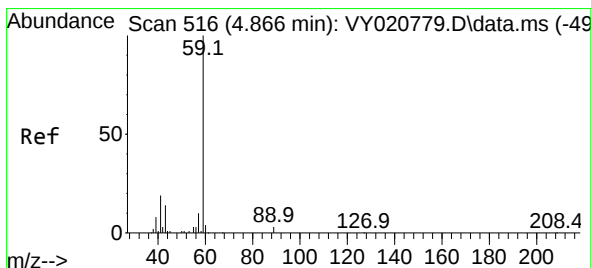
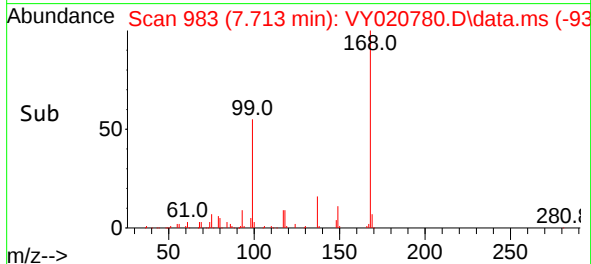
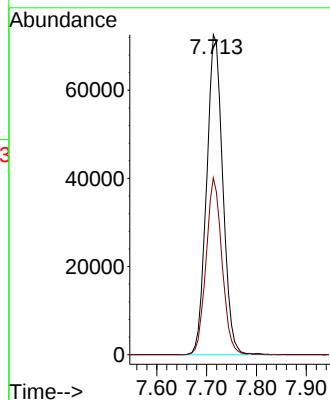
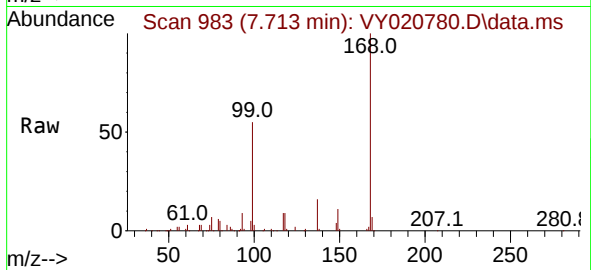




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

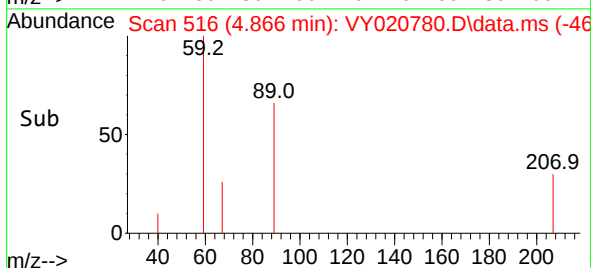
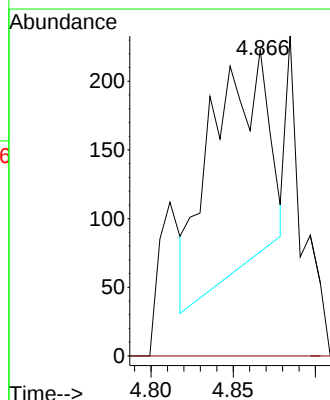
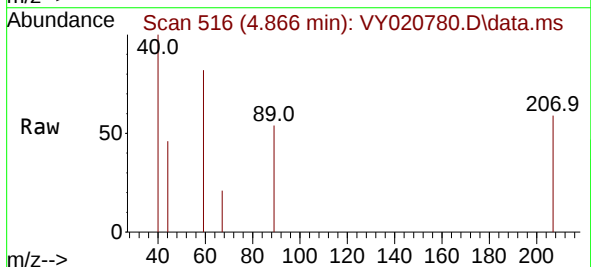
Instrument :
MSVOA_Y
ClientSampleId :

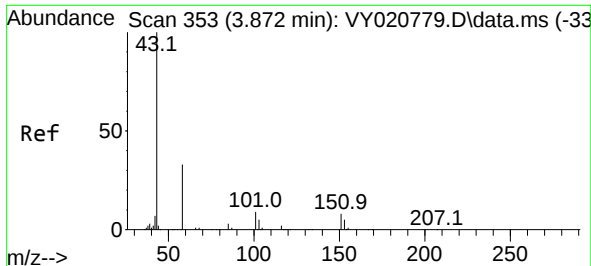
Tgt Ion:168 Resp: 163730
Ion Ratio Lower Upper
168 100
99 55.3 44.3 66.5



#11
Tert butyl alcohol
Concen: 3.538 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

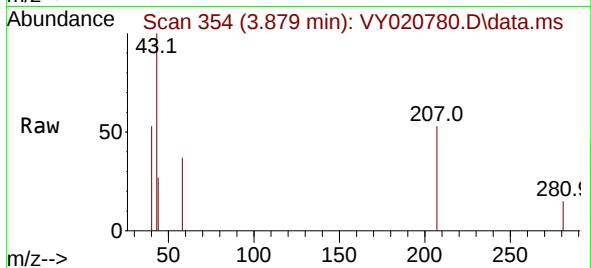
Tgt Ion: 59 Resp: 372
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



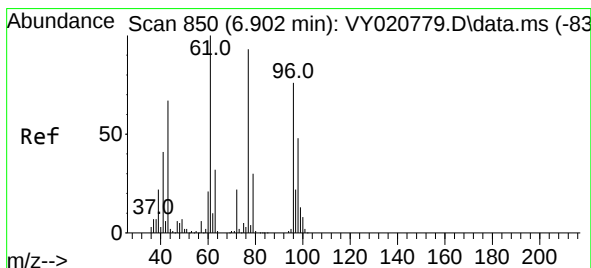
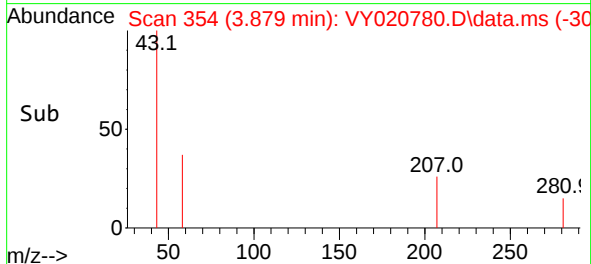
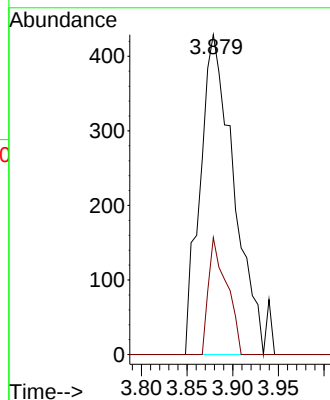


#16
Acetone
Concen: 5.670 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

Instrument :
MSVOA_Y
ClientSampleId :

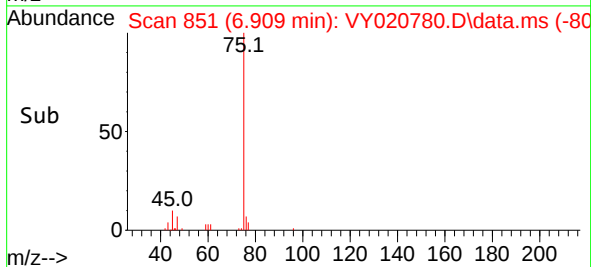
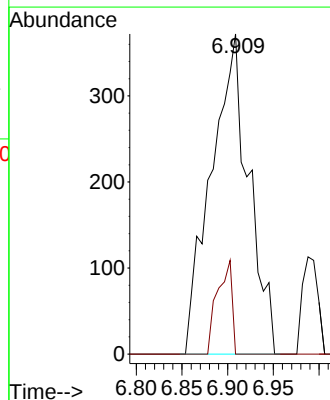
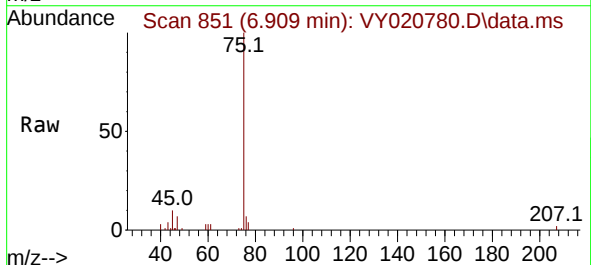


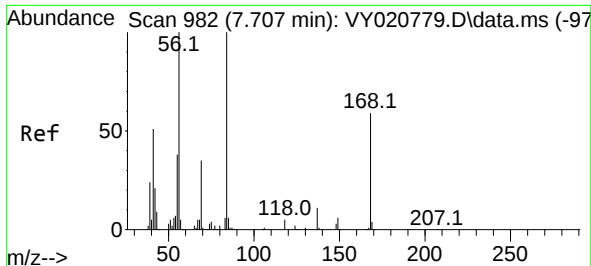
Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
58 36.6 26.7 40.1



#25
2-Butanone
Concen: 3.267 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#

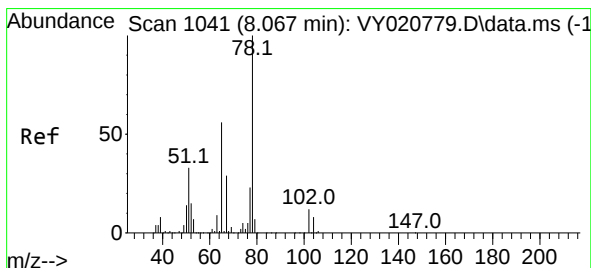
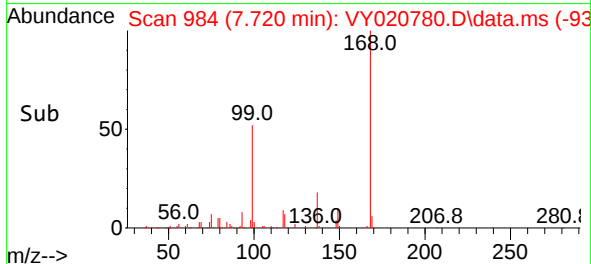
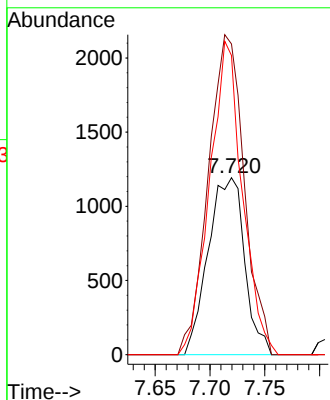
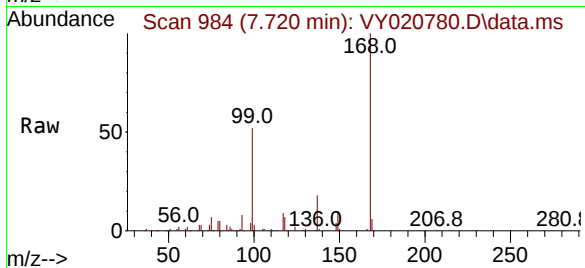




#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.720 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

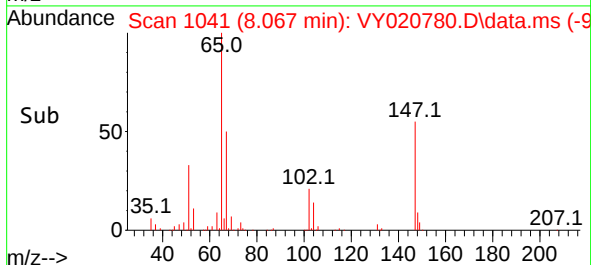
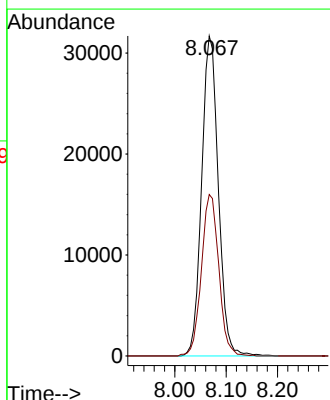
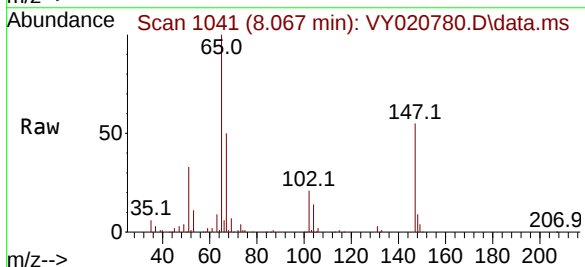
Instrument :
MSVOA_Y
ClientSampleId :

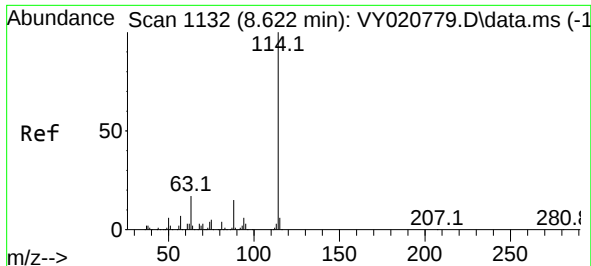
Tgt Ion: 56 Resp: 2752
Ion Ratio Lower Upper
56 100
69 175.6 30.5 45.7#
84 169.1 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 51.320 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

Tgt Ion: 65 Resp: 71420
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.8

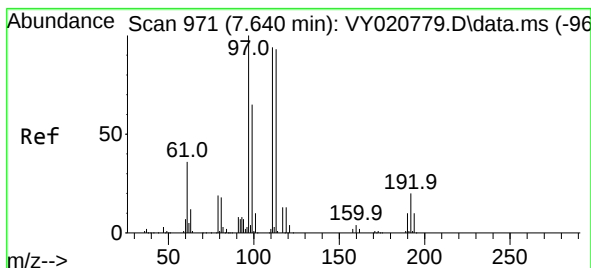
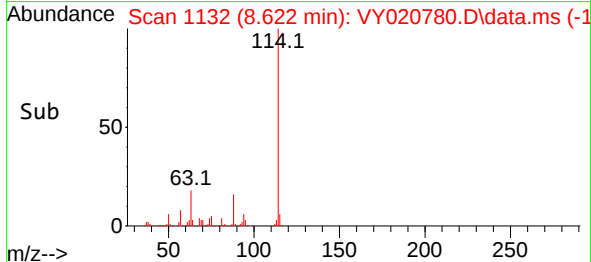
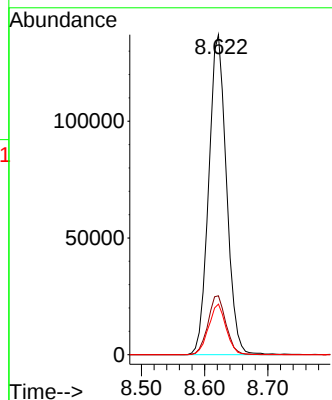
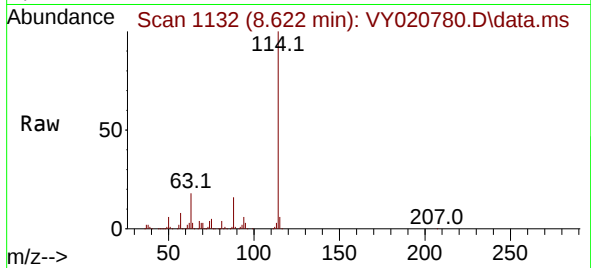




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

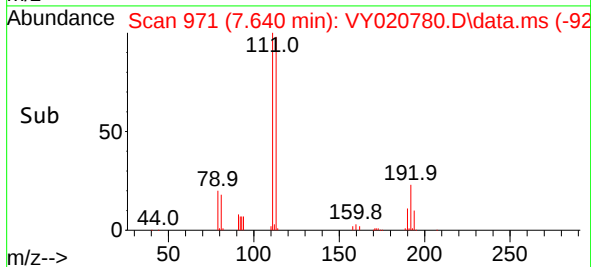
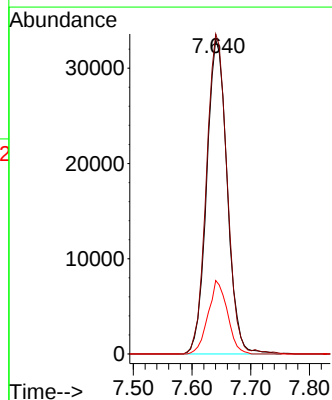
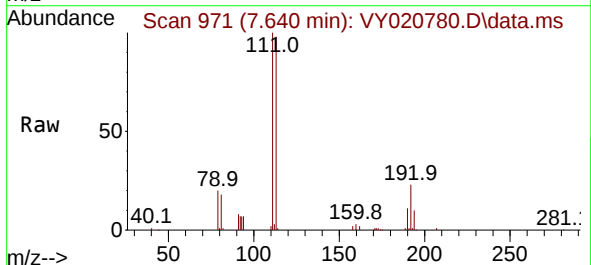
Instrument :
MSVOA_Y
ClientSampleId :

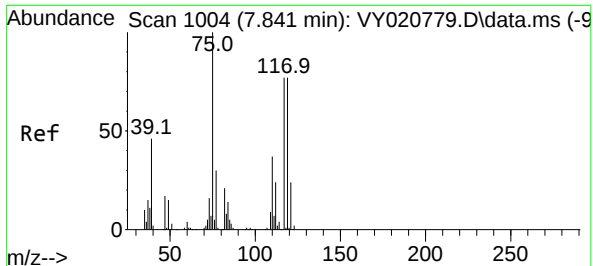
Tgt Ion:114 Resp: 267025
Ion Ratio Lower Upper
114 100
63 18.4 0.0 38.4
88 15.8 0.0 31.2



#35
Dibromofluoromethane
Concen: 47.792 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

Tgt Ion:113 Resp: 79951
Ion Ratio Lower Upper
113 100
111 102.7 81.7 122.5
192 22.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.286 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY020780.D

Acq: 06 Jan 2025 11:55

Instrument :

MSVOA_Y

ClientSampleId :

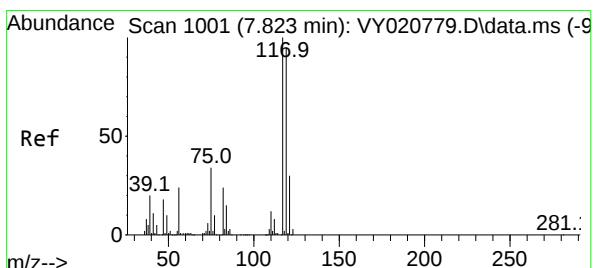
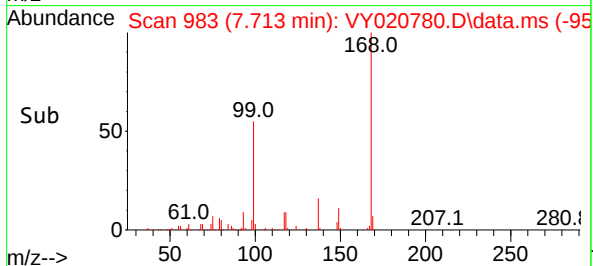
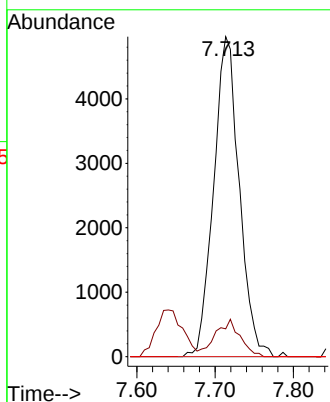
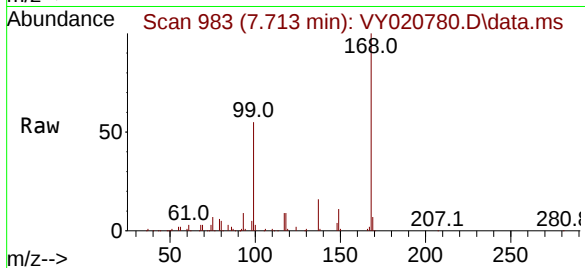
Tgt Ion: 75 Resp: 11280

Ion Ratio Lower Upper

75 100

110 11.3 18.5 55.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.412 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY020780.D

Acq: 06 Jan 2025 11:55

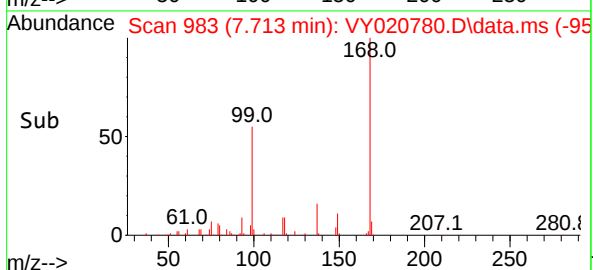
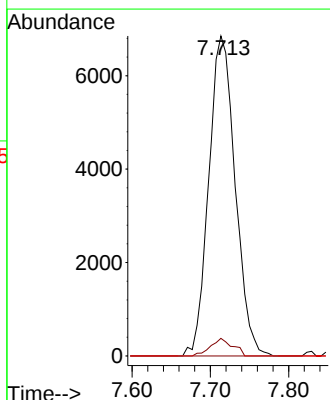
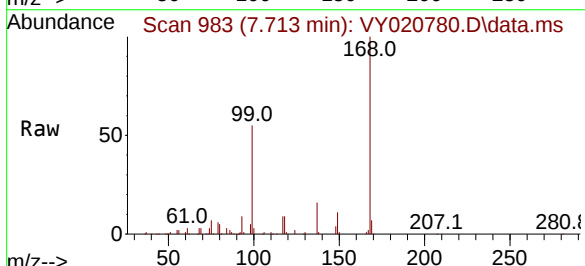
Tgt Ion: 117 Resp: 16076

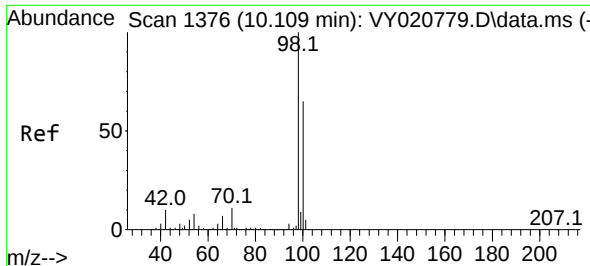
Ion Ratio Lower Upper

117 100

119 5.5 76.5 114.7#

121 0.0 24.3 36.5#

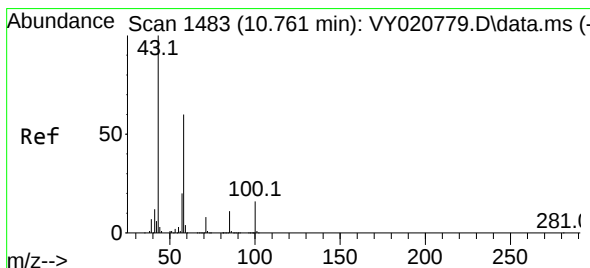
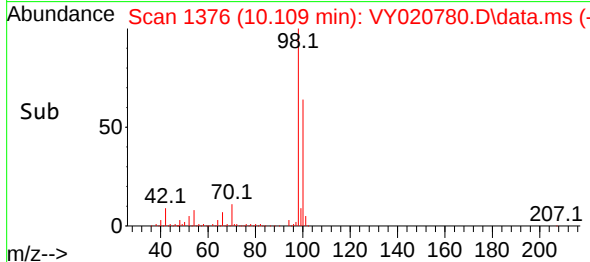
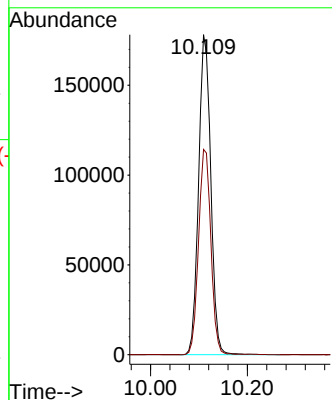
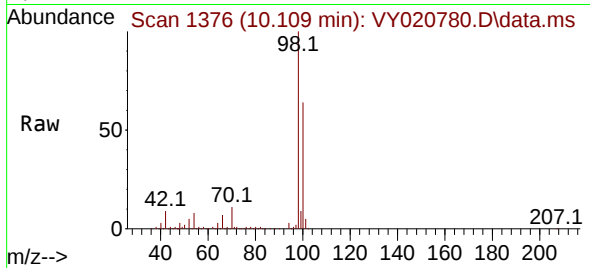




#50
Toluene-d8
Concen: 53.183 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

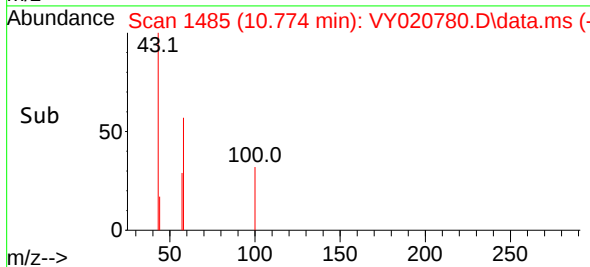
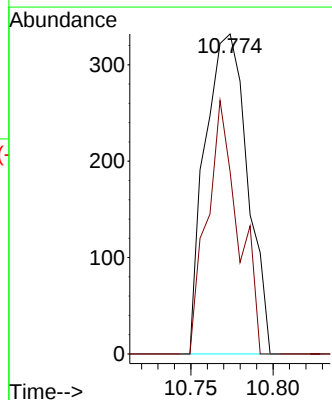
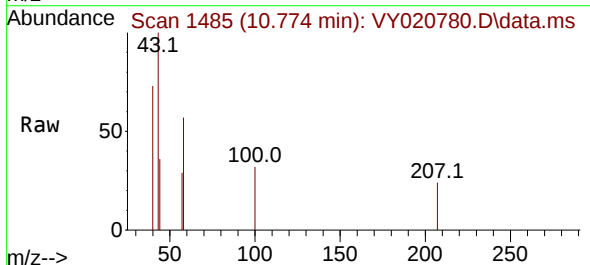
Instrument :
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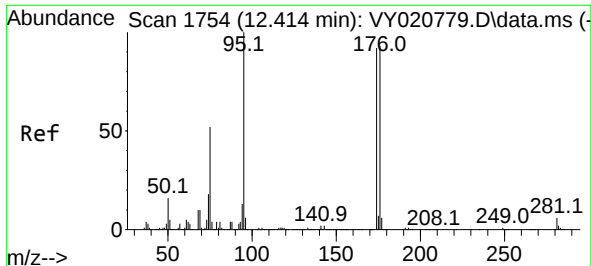
Tgt Ion: 98 Resp: 310150
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#59
2-Hexanone
Concen: 1.073 ug/l
RT: 10.774 min Scan# 1485
Delta R.T. 0.012 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
58 58.2 30.6 92.0

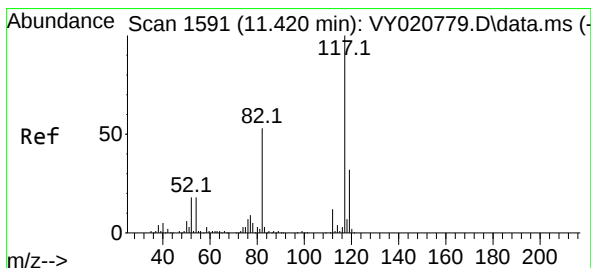
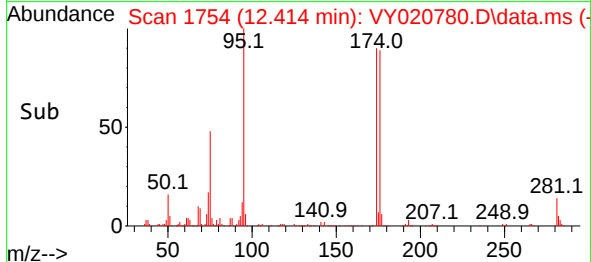
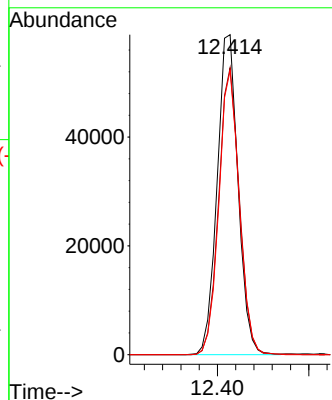
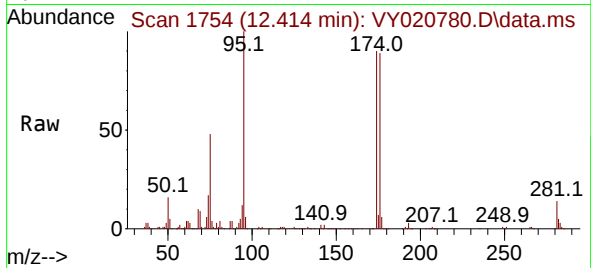




#62
4-Bromofluorobenzene
Concen: 43.409 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

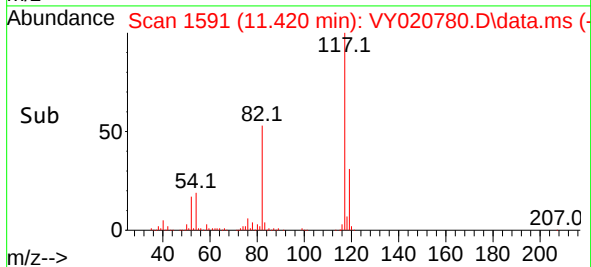
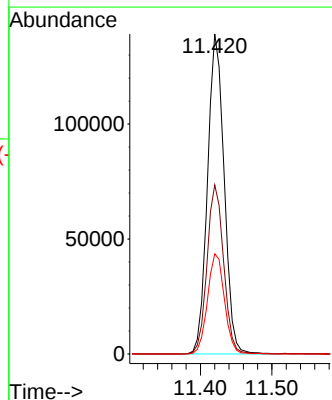
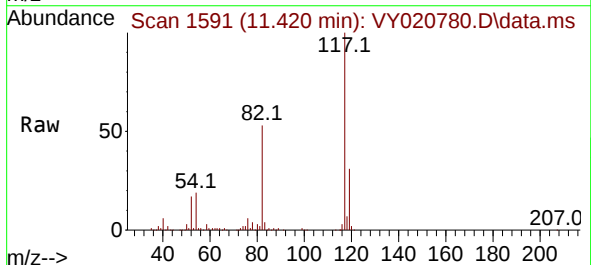
Instrument :
MSVOA_Y
ClientSampleId :

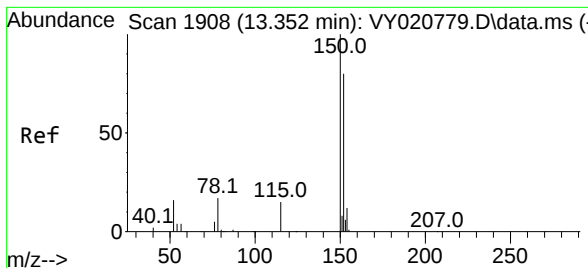
Tgt Ion:	95	Resp:	93483
Ion Ratio	Lower	Upper	
95	100		
174	88.5	0.0	178.0
176	86.8	0.0	172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

Tgt Ion:	117	Resp:	224547
Ion Ratio	Lower	Upper	
117	100		
82	52.8	41.8	62.6
119	31.3	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020780.D

Acq: 06 Jan 2025 11:55

Instrument :

MSVOA_Y

ClientSampleId :

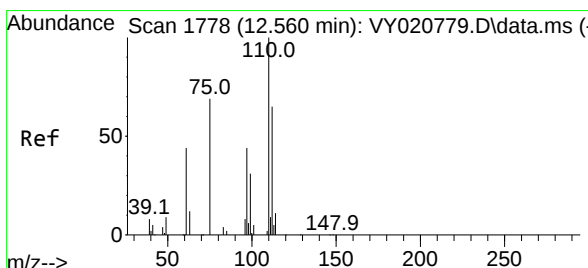
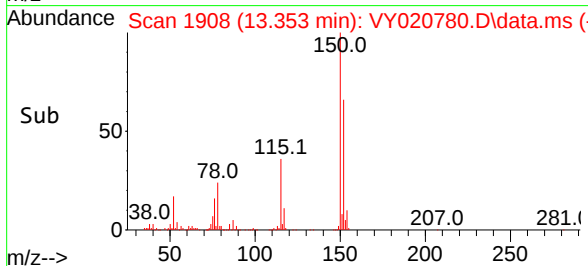
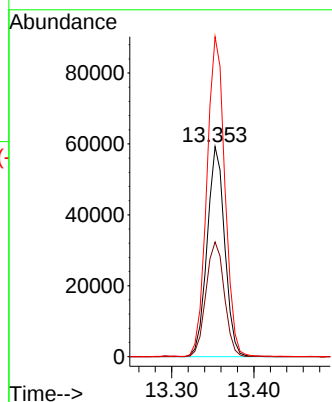
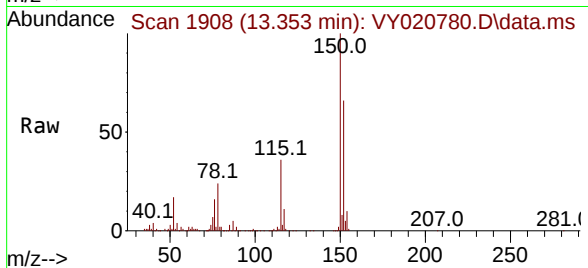
Tgt Ion:152 Resp: 87986

Ion Ratio Lower Upper

152 100

115 57.1 29.0 87.0

150 155.8 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 61.766 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020780.D

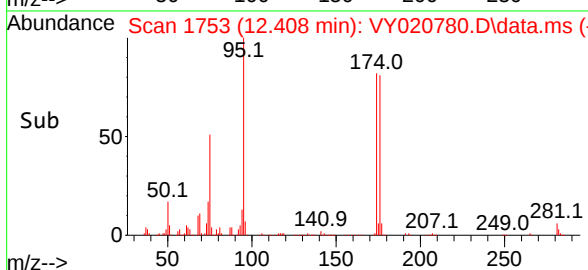
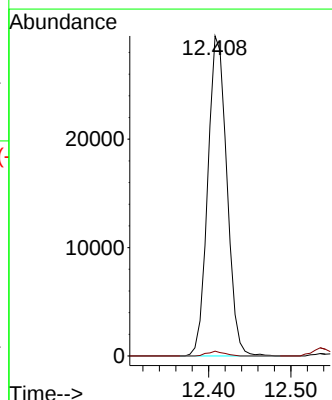
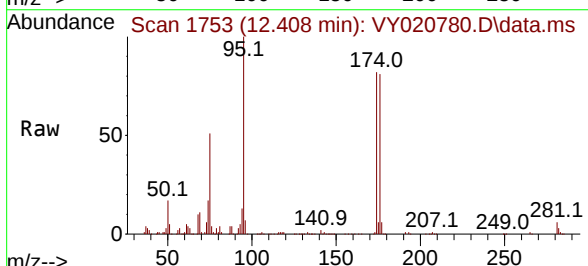
Acq: 06 Jan 2025 11:55

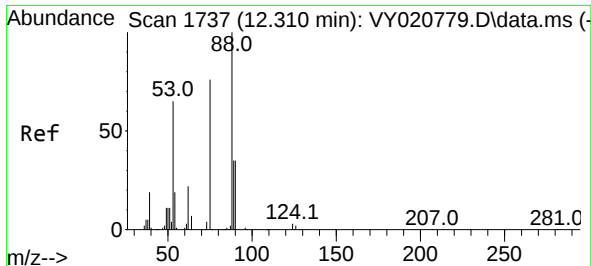
Tgt Ion: 75 Resp: 47551

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

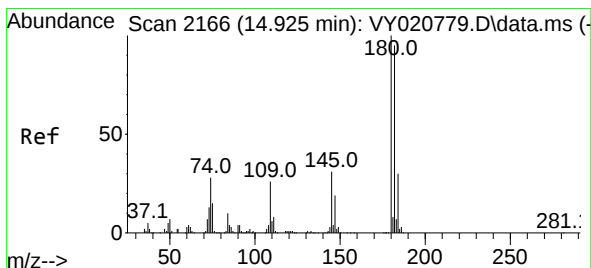
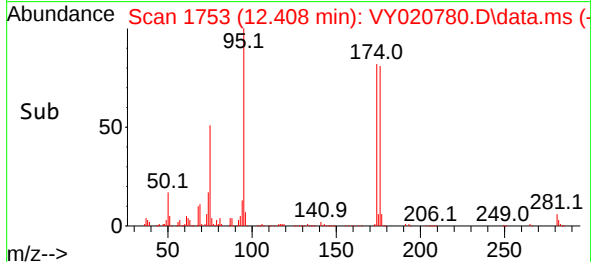
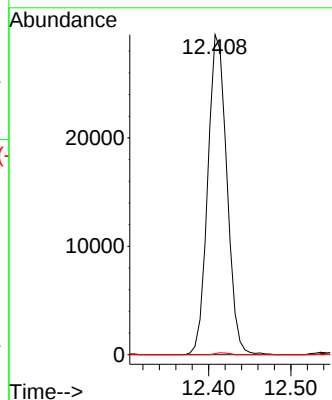
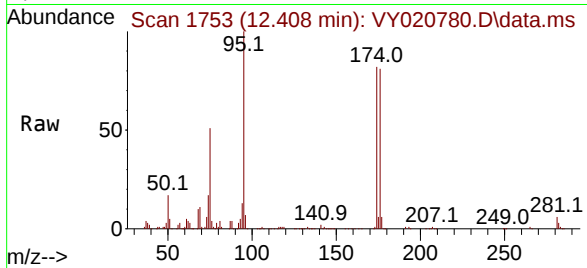




#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.235 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.098 min
 Lab File: VY020780.D
 Acq: 06 Jan 2025 11:55

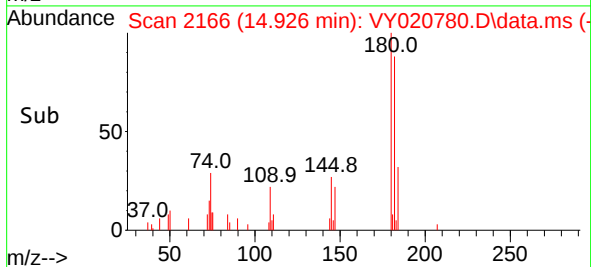
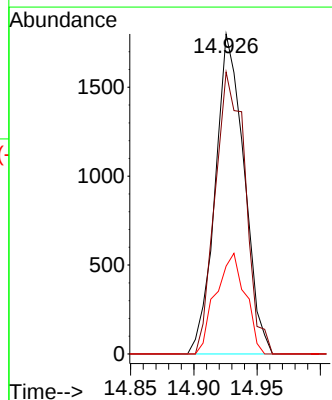
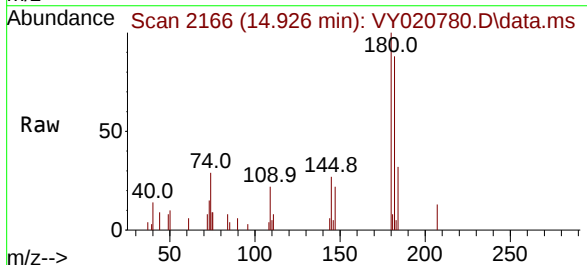
Instrument :
 MSVOA_Y
 ClientSampleId :

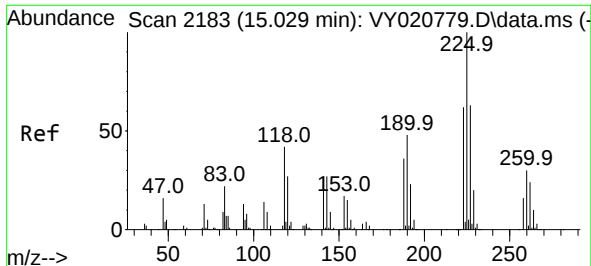
Tgt Ion: 75 Resp: 47551
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.0#
 89 0.4 39.6 59.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.815 ug/l
 RT: 14.926 min Scan# 2166
 Delta R.T. 0.000 min
 Lab File: VY020780.D
 Acq: 06 Jan 2025 11:55

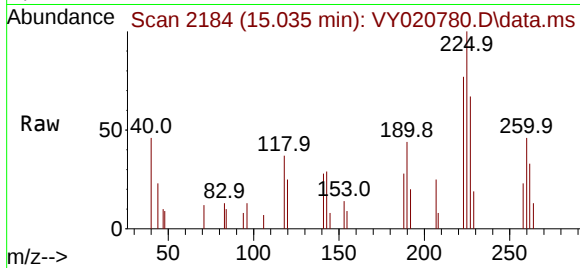
Tgt Ion:180 Resp: 2856
 Ion Ratio Lower Upper
 180 100
 182 91.6 47.6 142.9
 145 32.2 15.0 45.1



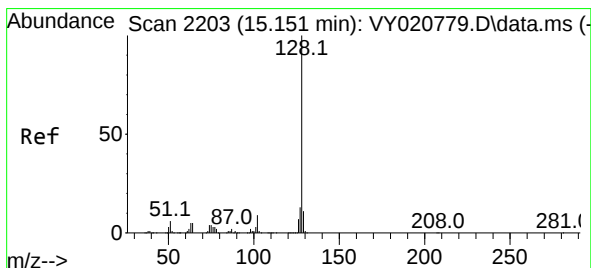
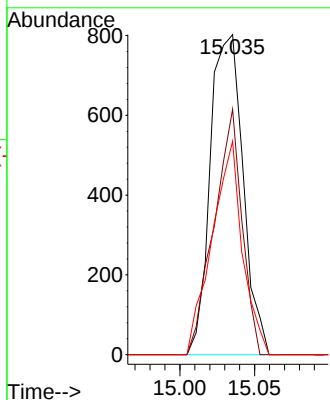
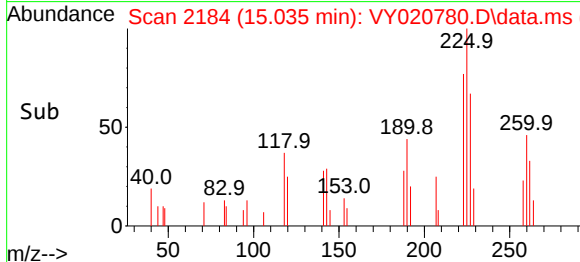


#94
Hexachlorobutadiene
Concen: 1.103 ug/l
RT: 15.035 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55

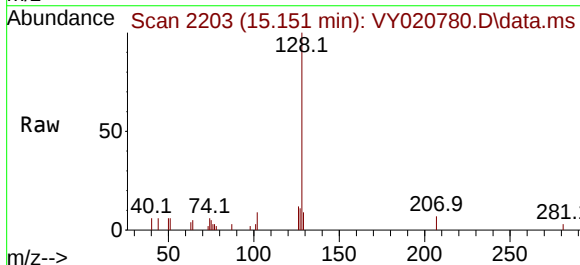
Instrument :
MSVOA_Y
ClientSampleId :



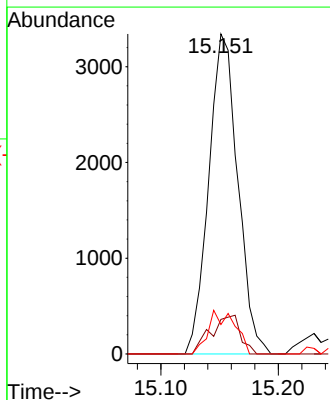
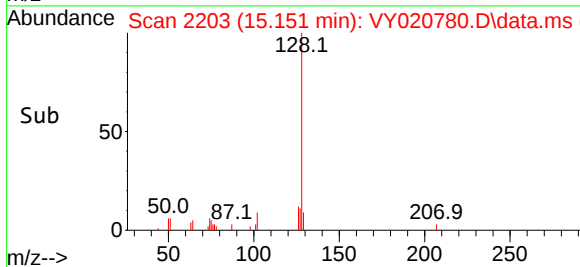
Tgt Ion:225 Resp: 1223
Ion Ratio Lower Upper
225 100
223 65.2 31.6 94.8
227 62.0 32.2 96.6

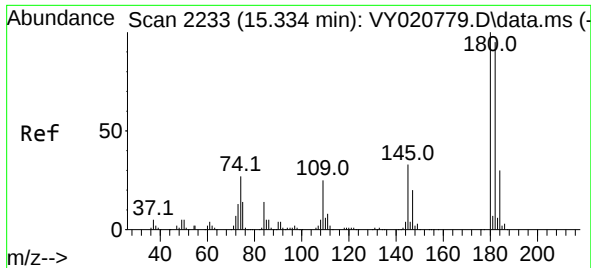


#95
Naphthalene
Concen: 2.221 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.000 min
Lab File: VY020780.D
Acq: 06 Jan 2025 11:55



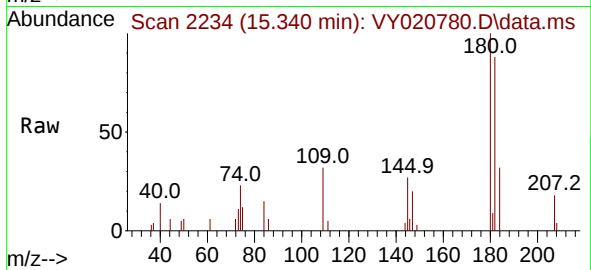
Tgt Ion:128 Resp: 5752
Ion Ratio Lower Upper
128 100
127 12.3 10.5 15.7
129 12.4 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 2.244 ug/l
 RT: 15.340 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY020780.D
 Acq: 06 Jan 2025 11:55

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	2958
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.1	144.3
145	32.0	16.1	48.2

