

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020847.D
 Acq On : 17 Jan 2025 12:03
 Operator : SY/MD
 Sample : Q1099-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 23:23:42 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)

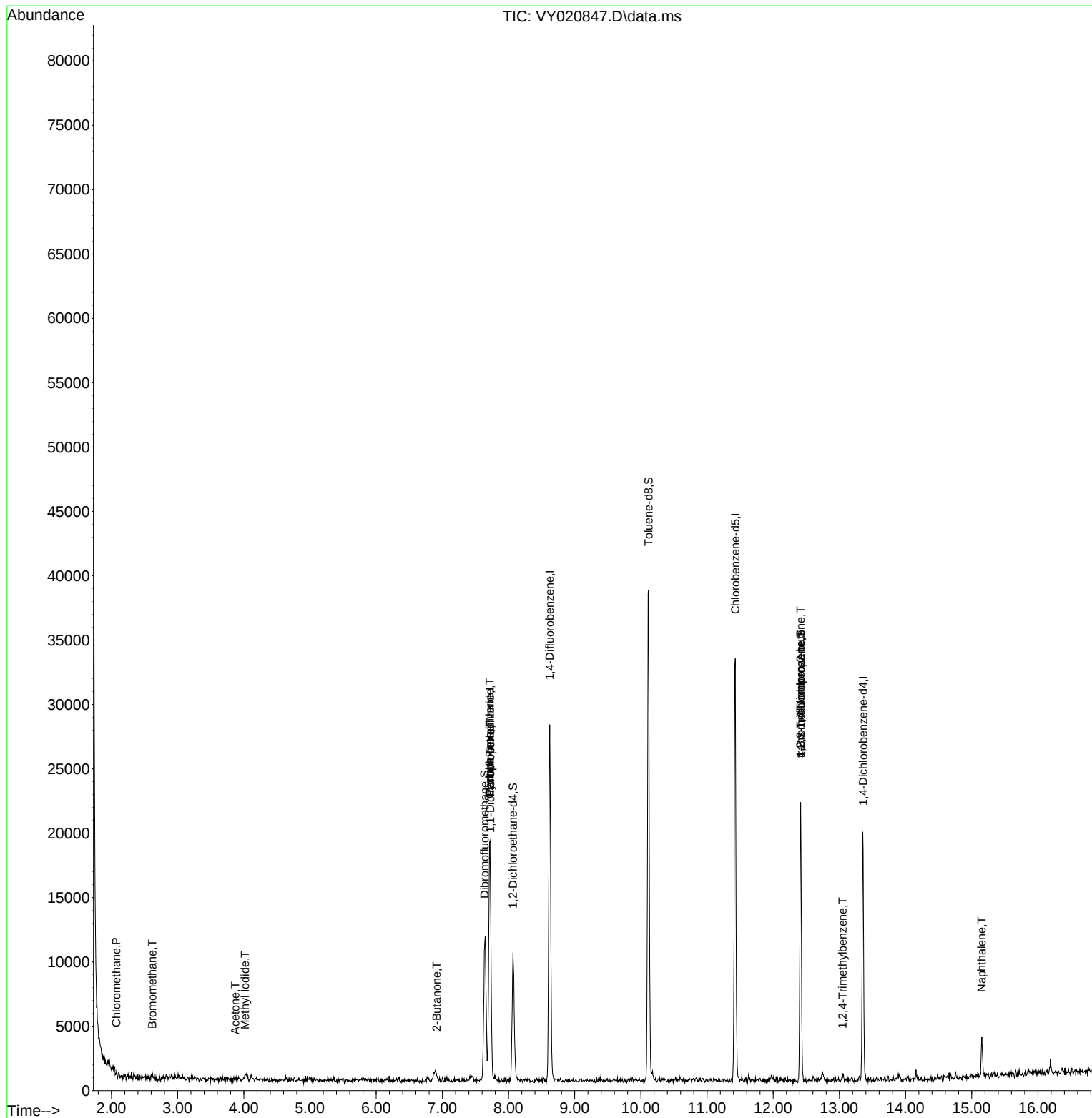
Internal Standards						
1) Pentafluorobenzene	7.719	168	16349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	25310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	19828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	5110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	8311	59.808	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.620%	
35) Dibromofluoromethane	7.640	113	8687	54.785	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.580%	
50) Toluene-d8	10.115	98	27806	50.304	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.600%	
62) 4-Bromofluorobenzene	12.414	95	7037	34.474	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 68.940%	
Target Compounds						Qvalue
3) Chloromethane	2.074	50	87	1.377	ug/l #	41
5) Bromomethane	2.617	94	206	4.118	ug/l #	71
10) Methyl Iodide	4.019	142	394	2.526	ug/l #	74
16) Acetone	3.872	43	179	9.058	ug/l #	41
25) 2-Butanone	6.915	43	49	1.510	ug/l #	45
31) Cyclohexane	7.713	56	256	1.266	ug/l #	43
36) 1,1-Dichloropropene	7.725	75	1078	5.330	ug/l #	44
38) Carbon Tetrachloride	7.719	117	1466	5.207	ug/l #	12
76) 1,2,3-Trichloropropane	12.414	75	3379	75.574	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	3379	159.349	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.048	105	504	1.571	ug/l	67
95) Naphthalene	15.151	128	2757	18.331	ug/l #	90

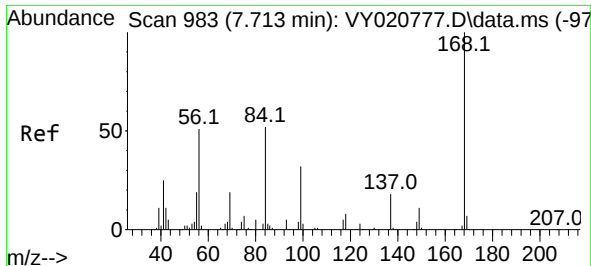
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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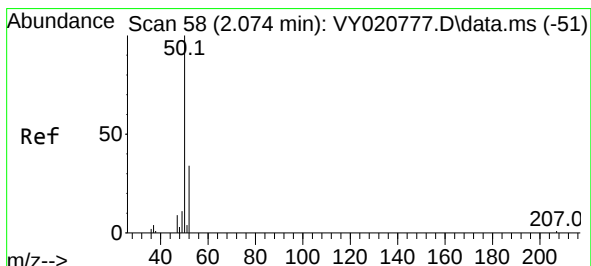
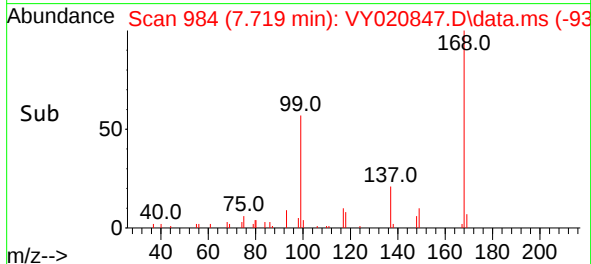
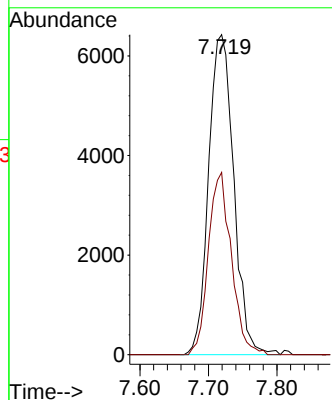
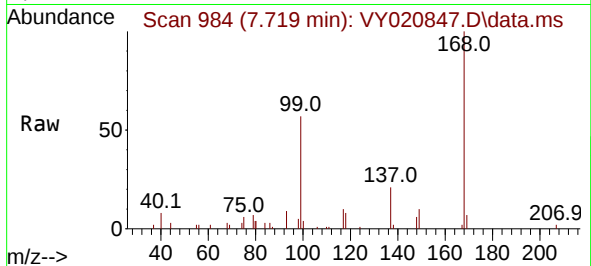




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

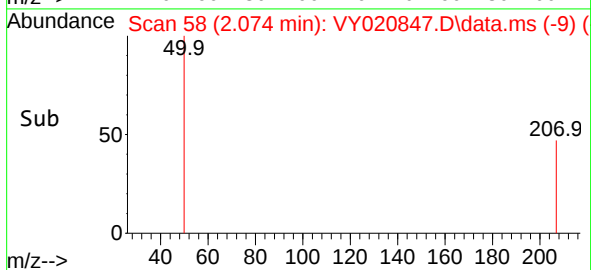
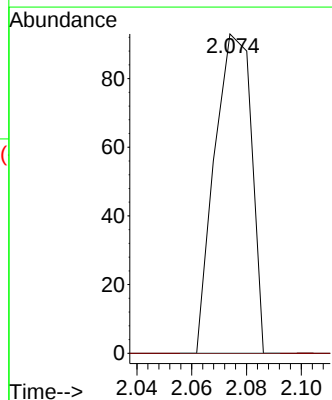
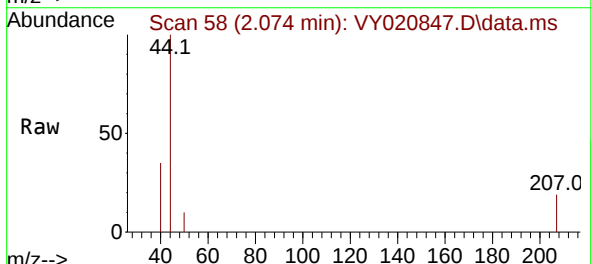
Instrument :
MSVOA_Y
ClientSampleId :

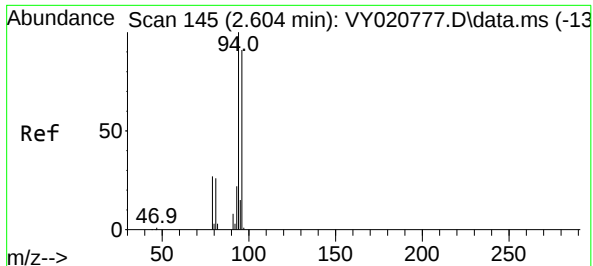
Tgt Ion:168 Resp: 16349
Ion Ratio Lower Upper
168 100
99 57.0 44.3 66.5



#3
Chloromethane
Concen: 1.377 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

Tgt Ion: 50 Resp: 87
Ion Ratio Lower Upper
50 100
52 0.0 27.3 40.9#

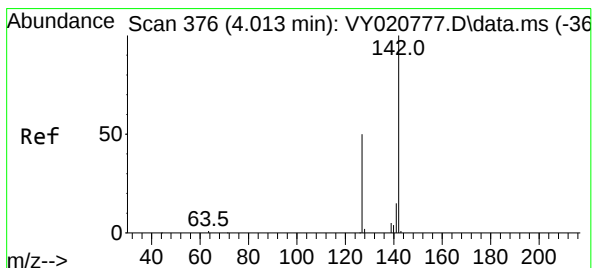
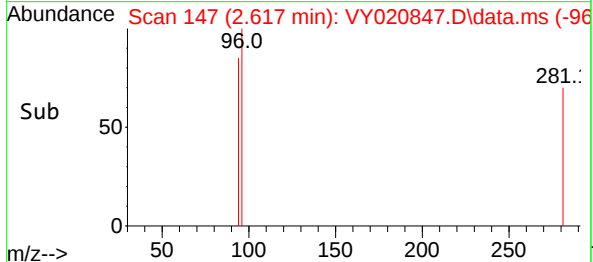
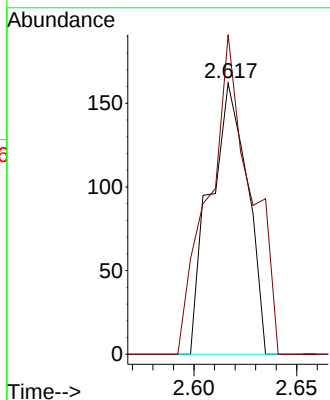
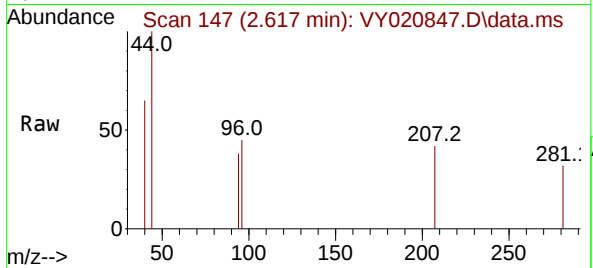




#5
Bromomethane
Concen: 4.118 ug/l
RT: 2.617 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

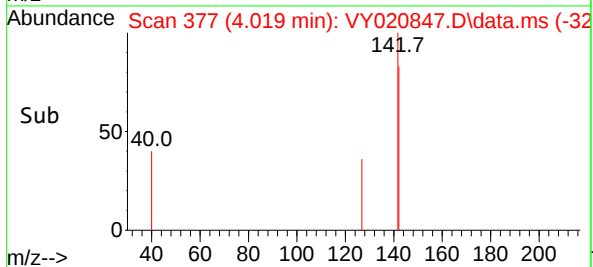
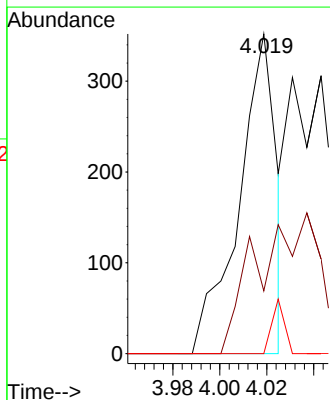
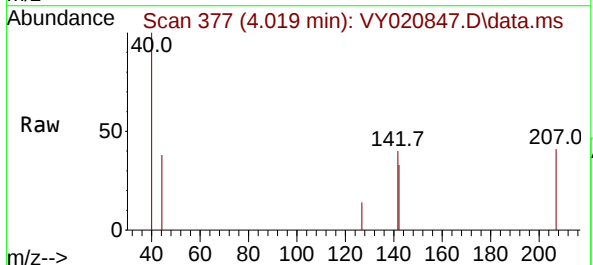
Instrument :
MSVOA_Y
ClientSampleId :

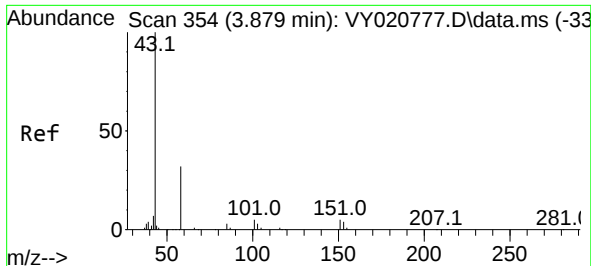
Tgt Ion: 94 Resp: 206
Ion Ratio Lower Upper
94 100
96 117.9 72.6 109.0#



#10
Methyl Iodide
Concen: 2.526 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

Tgt Ion:142 Resp: 394
Ion Ratio Lower Upper
142 100
127 70.3 41.0 61.6#
141 5.6 11.6 17.4#

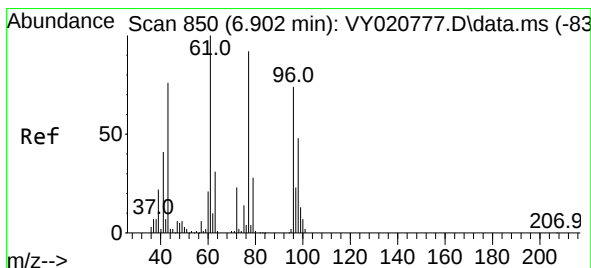
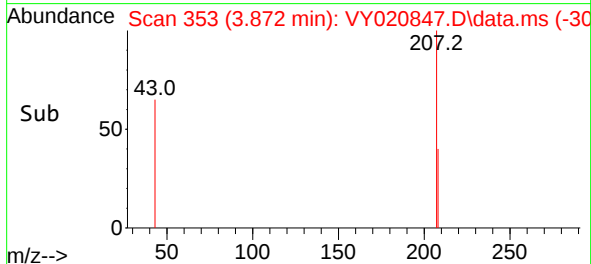
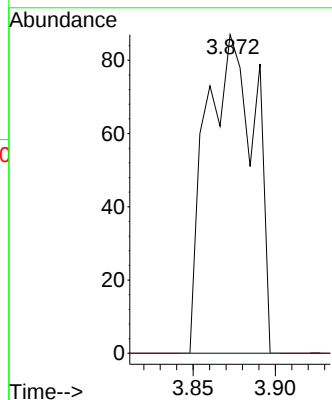
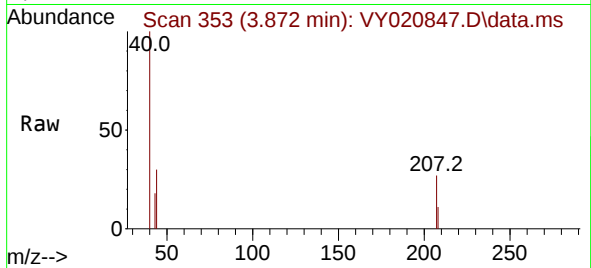




#16
Acetone
Concen: 9.058 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

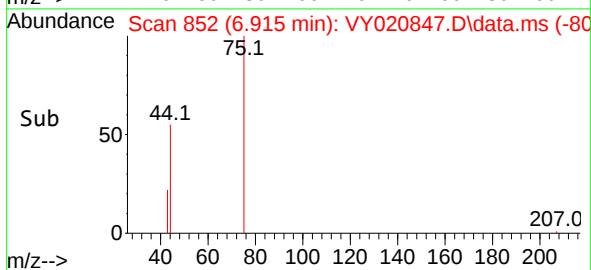
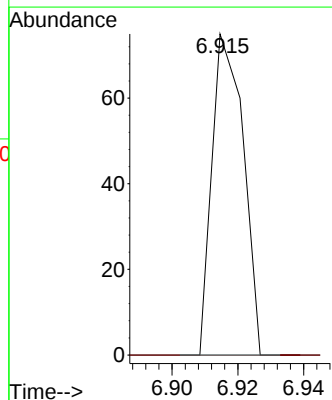
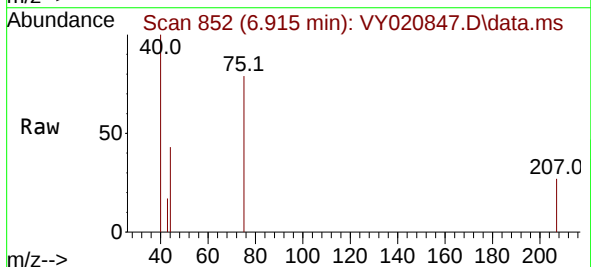
Instrument :
MSVOA_Y
ClientSampleId :

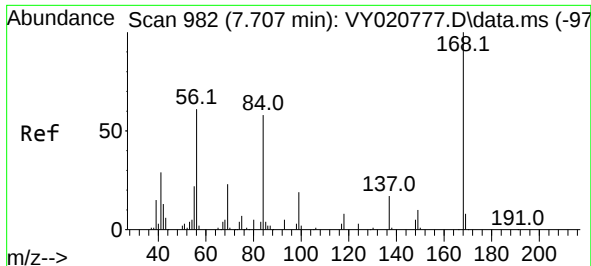
Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#25
2-Butanone
Concen: 1.510 ug/l
RT: 6.915 min Scan# 852
Delta R.T. 0.012 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

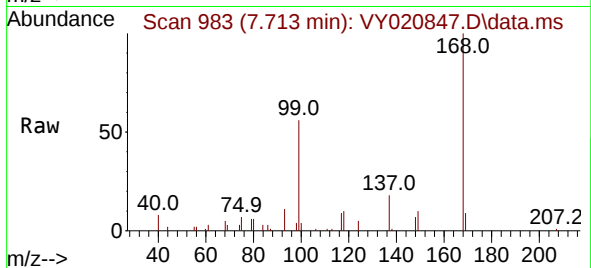
Tgt Ion: 43 Resp: 49
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#



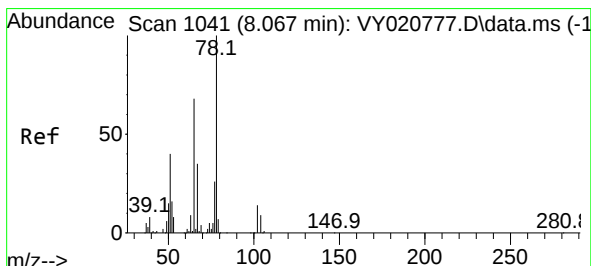
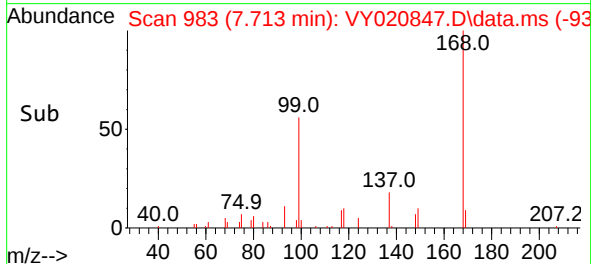
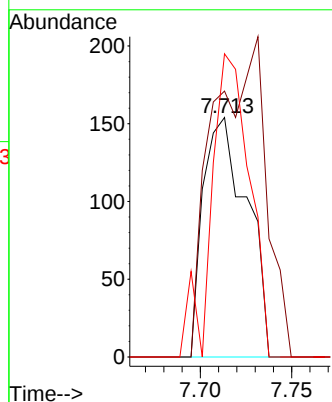


#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

Instrument :
MSVOA_Y
ClientSampleId :

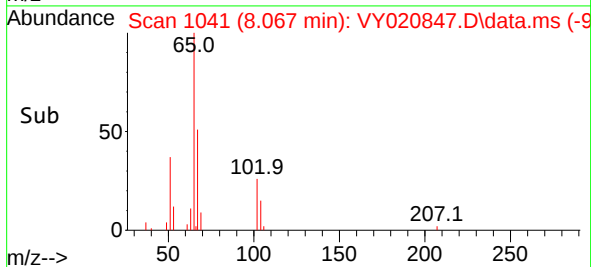
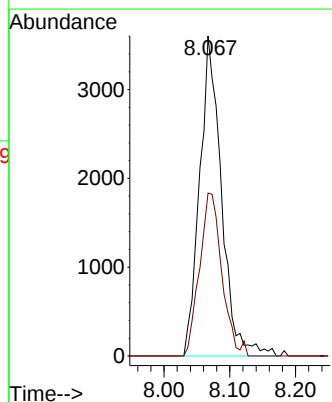
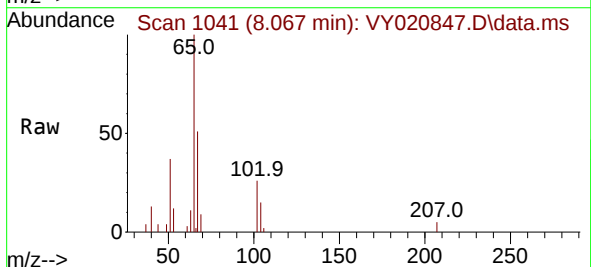


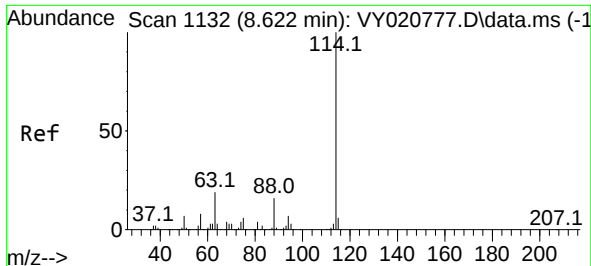
Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
69 111.0 30.5 45.7#
84 126.6 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 59.808 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

Tgt Ion: 65 Resp: 8311
Ion Ratio Lower Upper
65 100
67 52.1 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: VY020847.D

Acq: 17 Jan 2025 12:03

Instrument :

MSVOA_Y

ClientSampleId :

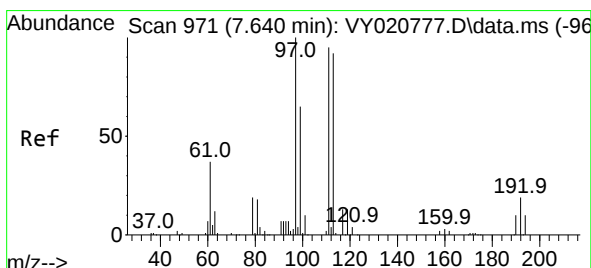
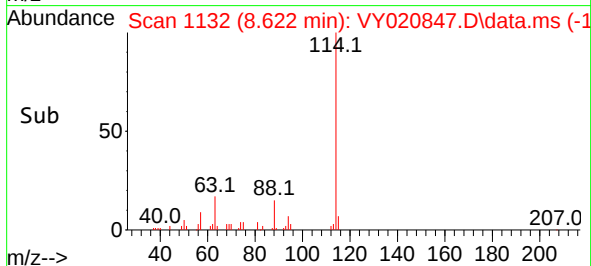
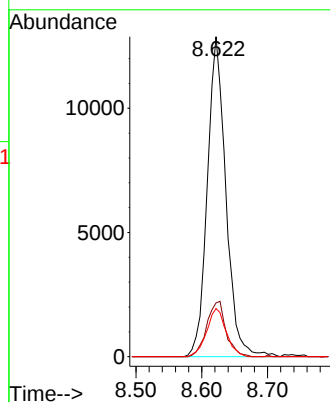
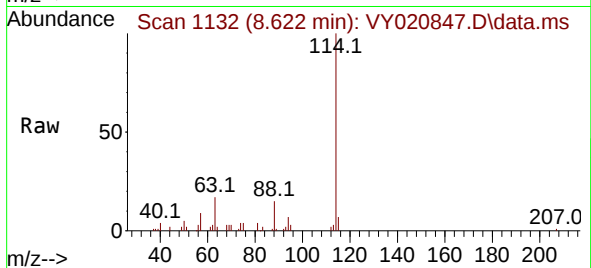
Tgt Ion:114 Resp: 25310

Ion Ratio Lower Upper

114 100

63 16.8 0.0 38.4

88 15.1 0.0 31.2



#35

Dibromofluoromethane

Concen: 54.785 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY020847.D

Acq: 17 Jan 2025 12:03

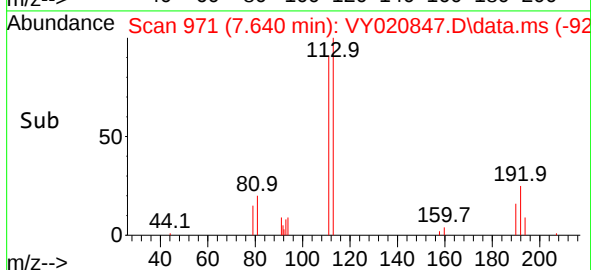
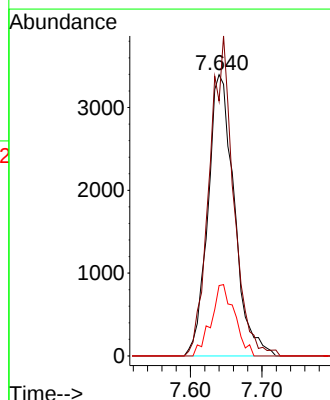
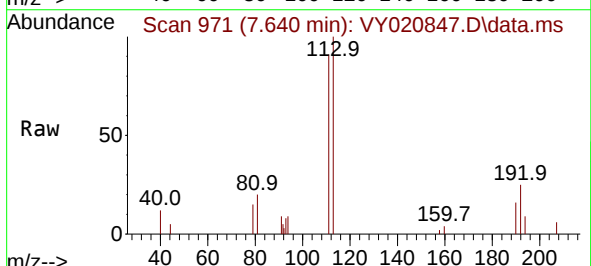
Tgt Ion:113 Resp: 8687

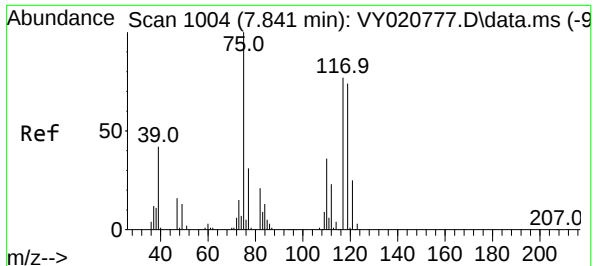
Ion Ratio Lower Upper

113 100

111 104.4 81.7 122.5

192 22.7 16.7 25.1

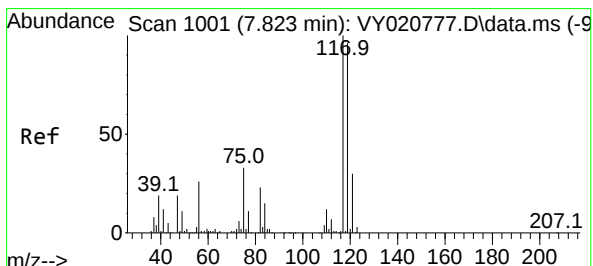
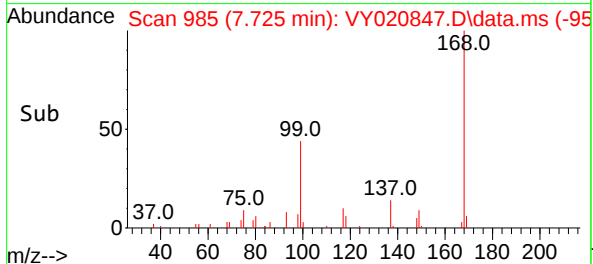
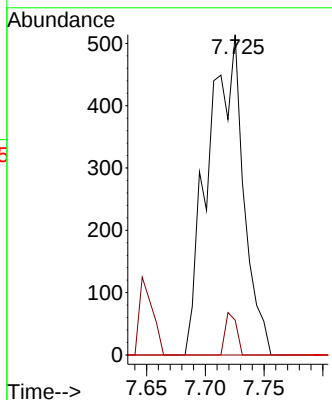
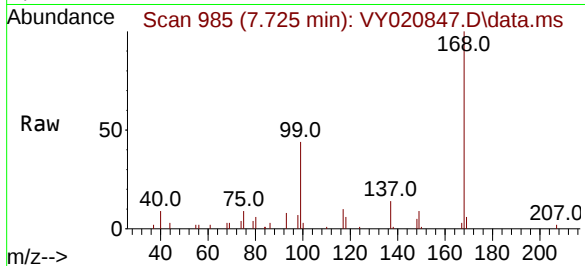




#36
 1,1-Dichloropropene
 Concen: 5.330 ug/l
 RT: 7.725 min Scan# 91
 Delta R.T. -0.116 min
 Lab File: VY020847.D
 Acq: 17 Jan 2025 12:03

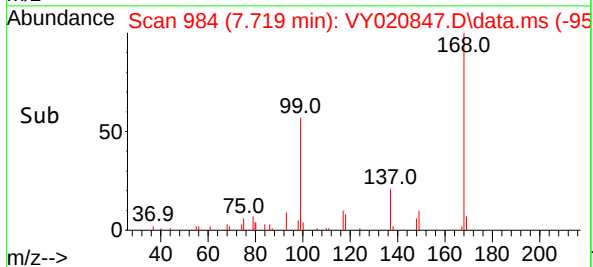
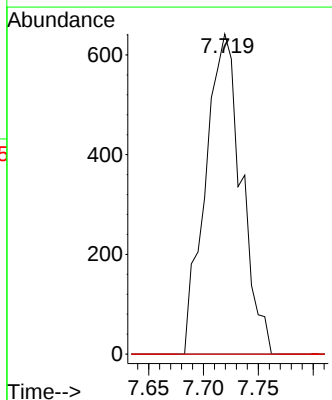
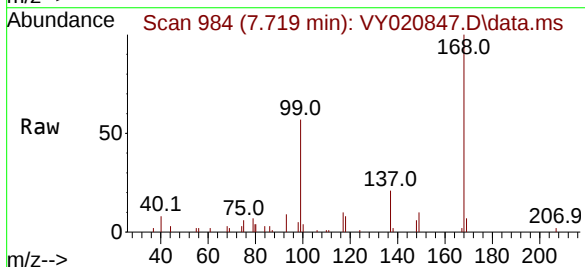
Instrument :
 MSVOA_Y
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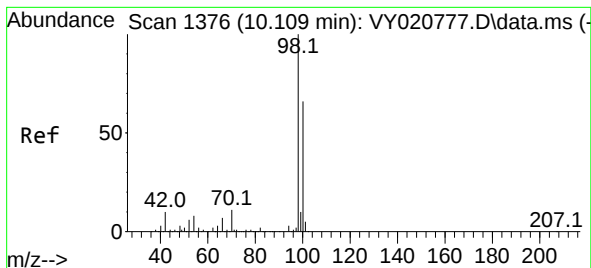
Tgt Ion: 75 Resp: 1078
 Ion Ratio Lower Upper
 75 100
 110 4.2 18.5 55.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.207 ug/l
 RT: 7.719 min Scan# 984
 Delta R.T. -0.104 min
 Lab File: VY020847.D
 Acq: 17 Jan 2025 12:03

Tgt Ion: 117 Resp: 1466
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.5 114.7#
 121 0.0 24.3 36.5#

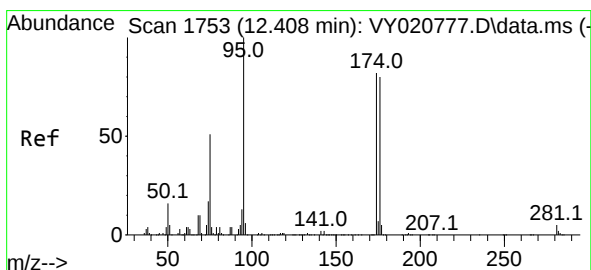
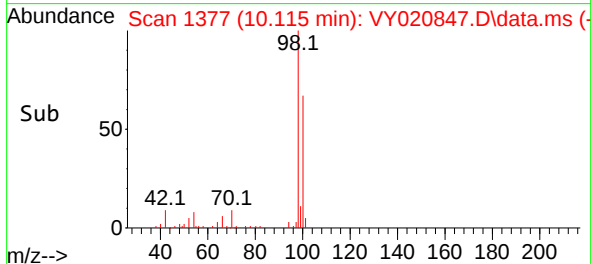
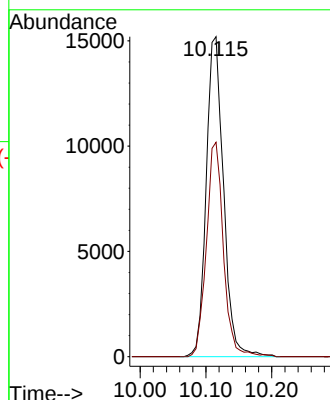
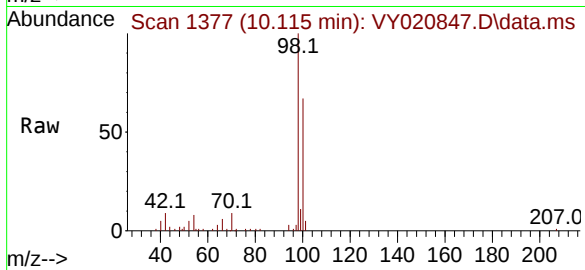




#50
Toluene-d8
Concen: 50.304 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

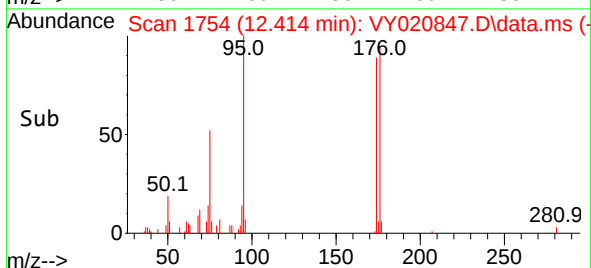
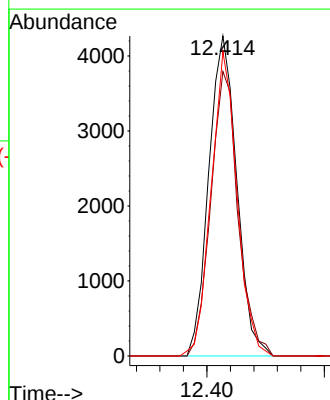
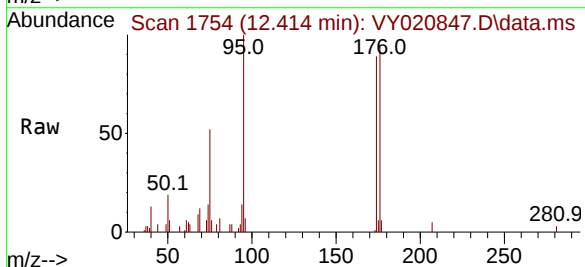
Instrument :
MSVOA_Y
ClientSampleId :

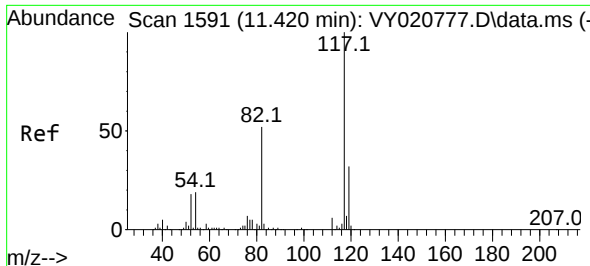
Tgt Ion: 98 Resp: 27806
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 34.474 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

Tgt Ion: 95 Resp: 7037
Ion Ratio Lower Upper
95 100
174 86.6 0.0 178.0
176 88.1 0.0 172.0

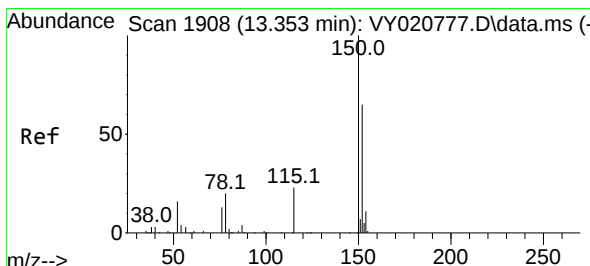
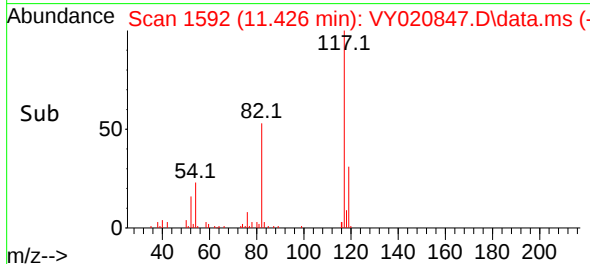
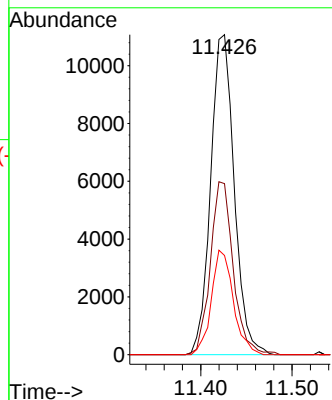
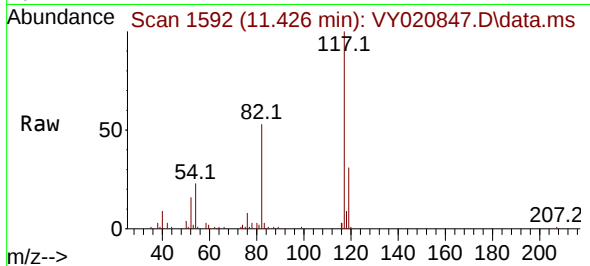




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

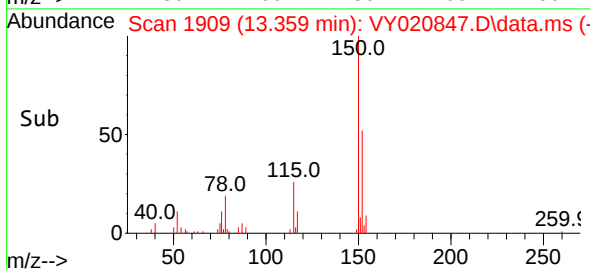
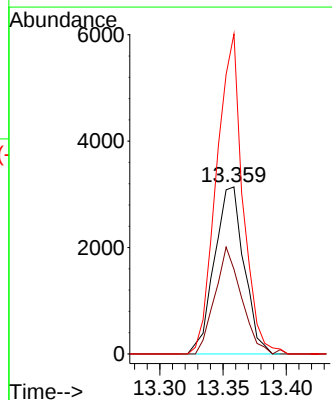
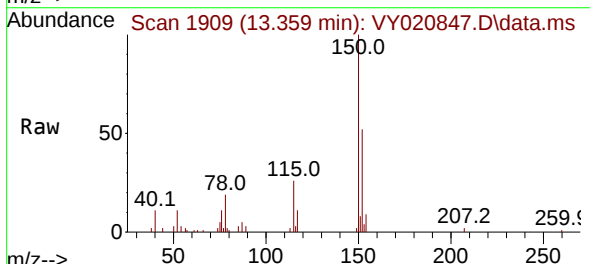
Instrument :
MSVOA_Y
ClientSampleId :

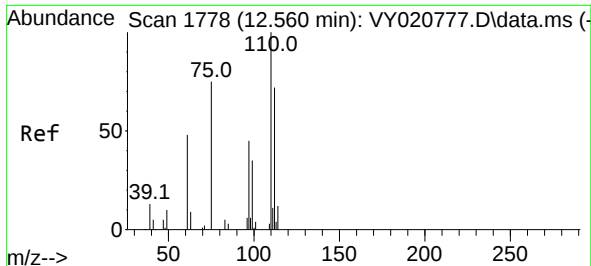
Tgt Ion:117 Resp: 19828
Ion Ratio Lower Upper
117 100
82 53.4 41.8 62.6
119 31.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

Tgt Ion:152 Resp: 5110
Ion Ratio Lower Upper
152 100
115 57.7 29.0 87.0
150 170.0 0.0 347.4

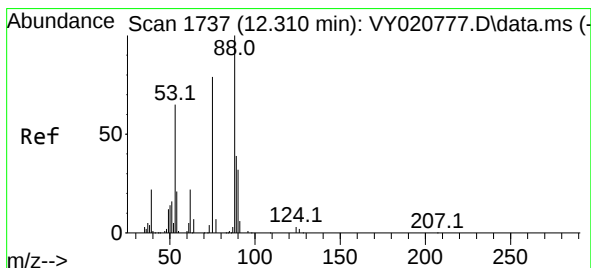
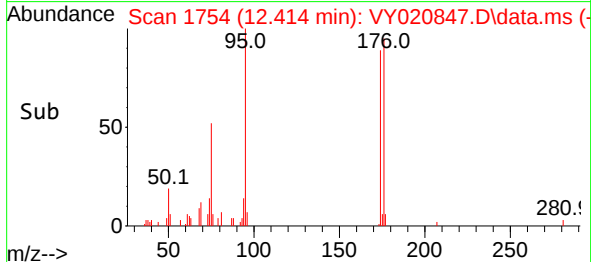
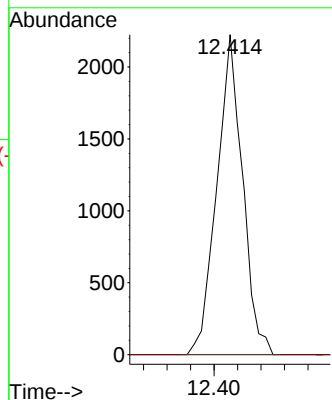
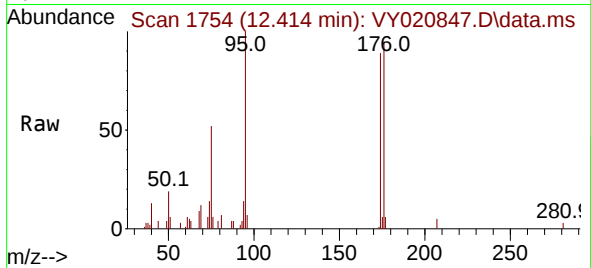




#76
1,2,3-Trichloropropane
Concen: 75.574 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

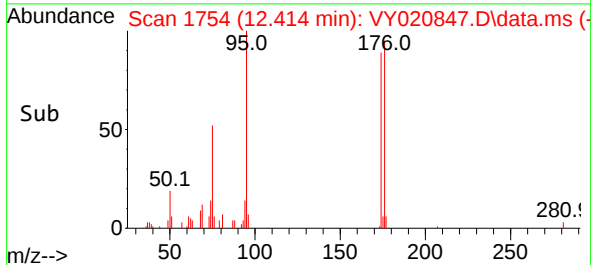
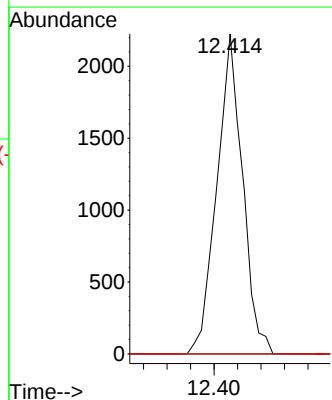
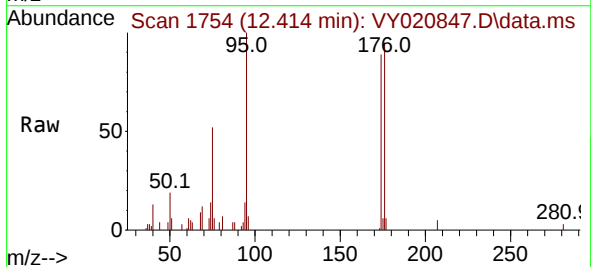
Instrument :
MSVOA_Y
ClientSampleId :

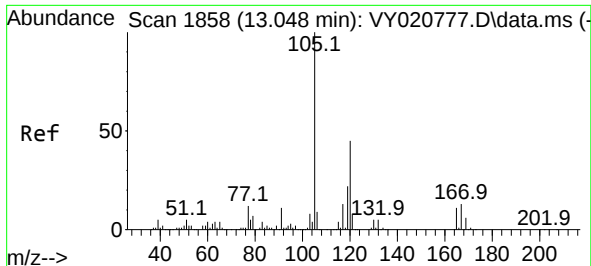
Tgt Ion: 75 Resp: 3379
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 159.349 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

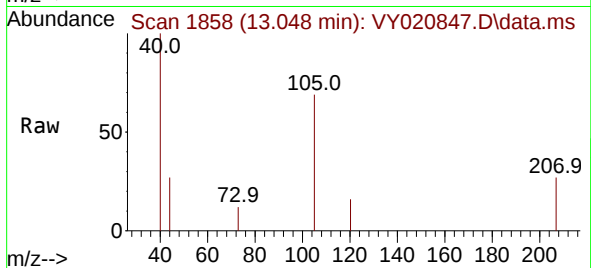
Tgt Ion: 75 Resp: 3379
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.0 39.6 59.4#



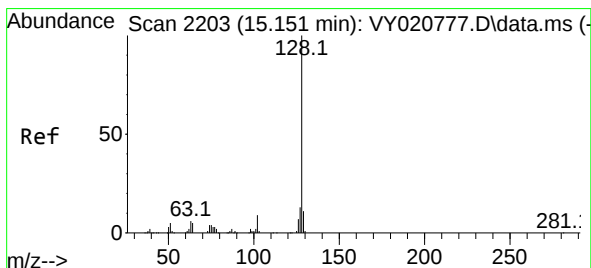
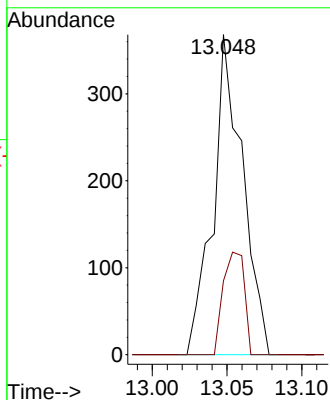
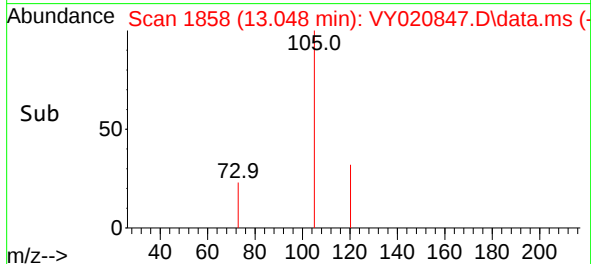


#84
1,2,4-Trimethylbenzene
Concen: 1.571 ug/l
RT: 13.048 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:105 Resp: 504
Ion Ratio Lower Upper
105 100
120 23.0 22.4 67.2



#95
Naphthalene
Concen: 18.331 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY020847.D
Acq: 17 Jan 2025 12:03

Tgt Ion:128 Resp: 2757
Ion Ratio Lower Upper
128 100
127 8.5 10.5 15.7#
129 13.6 8.6 12.8#

