

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020854.D
 Acq On : 17 Jan 2025 14:46
 Operator : SY/MD
 Sample : Q1115-12
 Misc : 3.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 23:26:22 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)

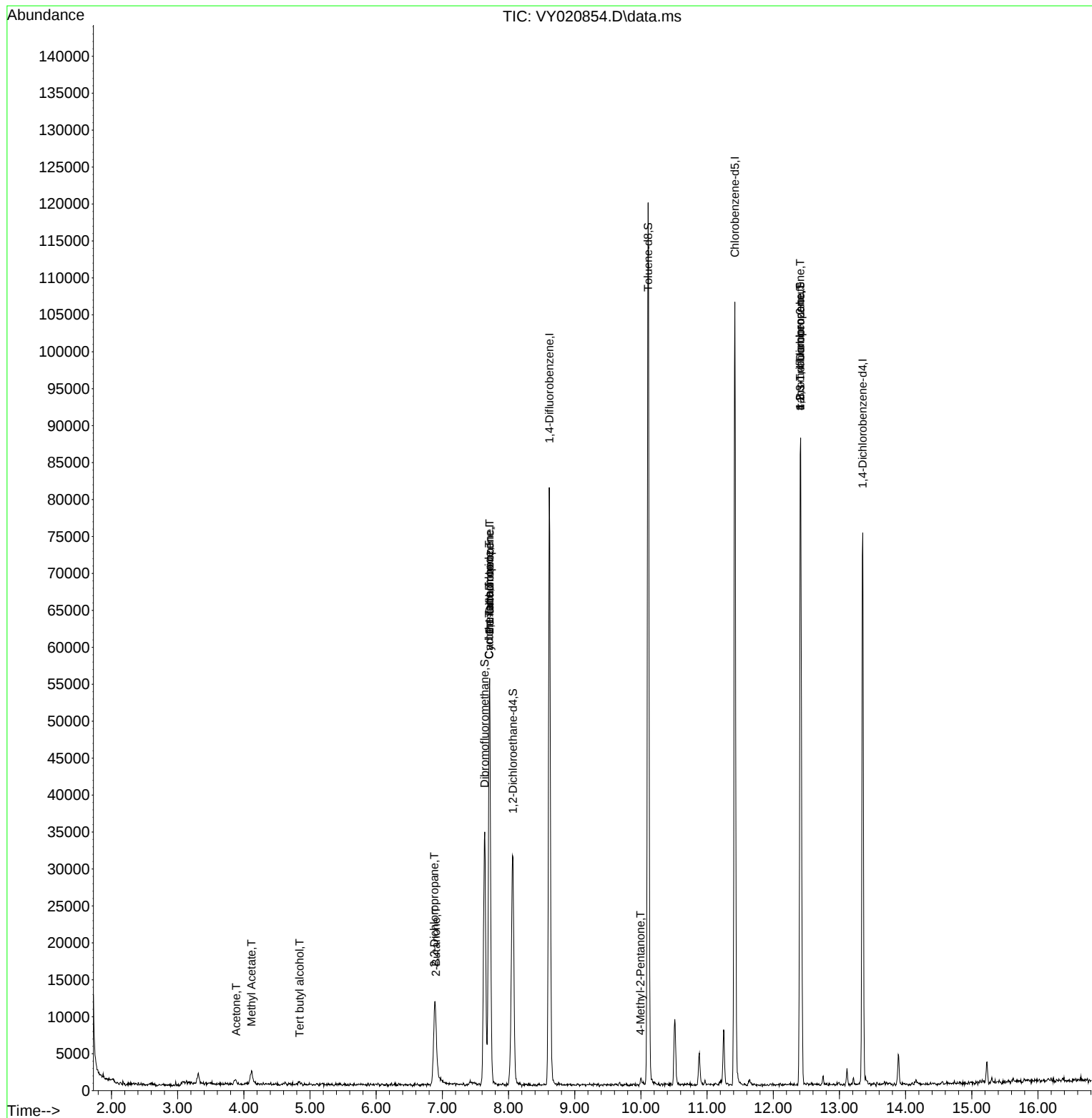
Internal Standards						
1) Pentafluorobenzene	7.713	168	45312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	72110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	60726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	20598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	22893	59.441	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.880%	
35) Dibromofluoromethane	7.640	113	24523	54.283	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.560%	
50) Toluene-d8	10.109	98	83824	53.227	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.460%	
62) 4-Bromofluorobenzene	12.408	95	23056	39.645	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 79.280%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	455	15.635	ug/l #	73
16) Acetone	3.885	43	1210	22.093	ug/l #	83
18) Methyl Acetate	4.116	43	488	2.639	ug/l #	46
25) 2-Butanone	6.903	43	746	8.292	ug/l #	45
26) 2,2-Dichloropropane	6.878	77	994	1.336	ug/l #	53
31) Cyclohexane	7.707	56	794	1.417	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	3226	5.599	ug/l #	48
38) Carbon Tetrachloride	7.707	117	4460	5.560	ug/l #	16
51) 4-Methyl-2-Pentanone	9.993	43	744	3.193	ug/l #	84
76) 1,2,3-Trichloropropane	12.408	75	11638	64.574	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	11638	136.156	ug/l #	14

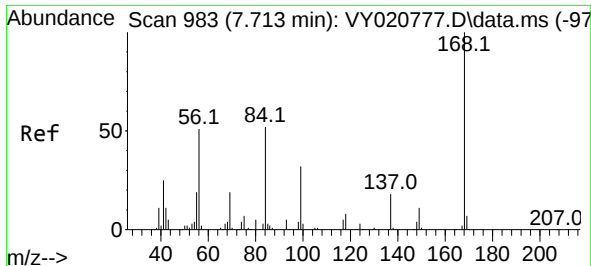
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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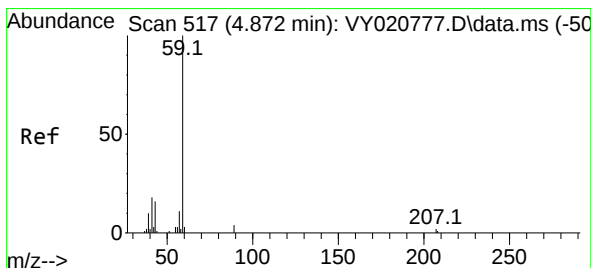
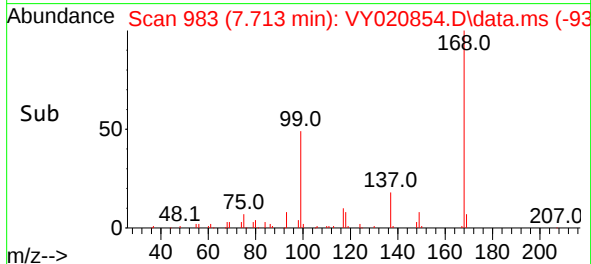
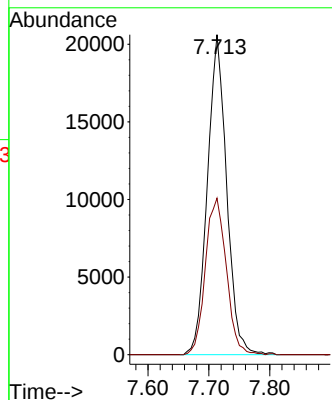
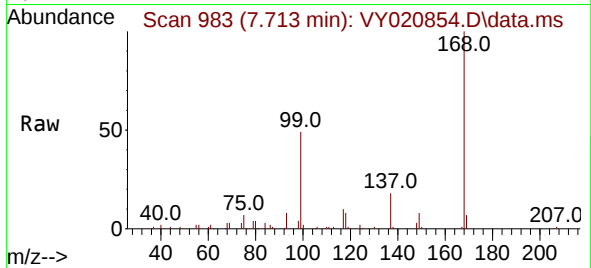




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

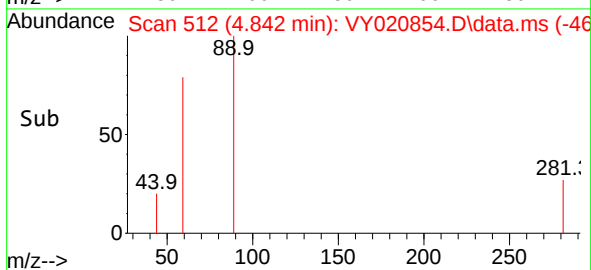
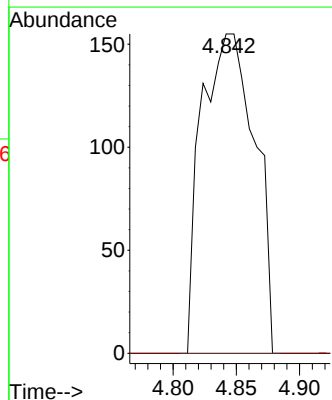
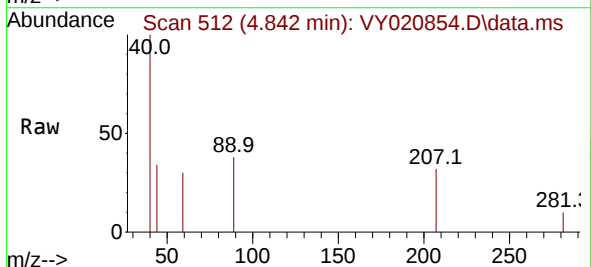
Instrument :
MSVOA_Y
ClientSampleId :

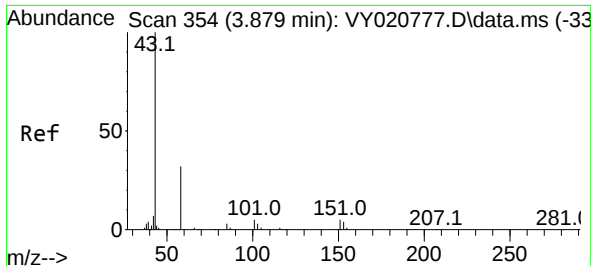
Tgt Ion:168 Resp: 45312
Ion Ratio Lower Upper
168 100
99 48.9 44.3 66.5



#11
Tert butyl alcohol
Concen: 15.635 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.030 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

Tgt Ion: 59 Resp: 455
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

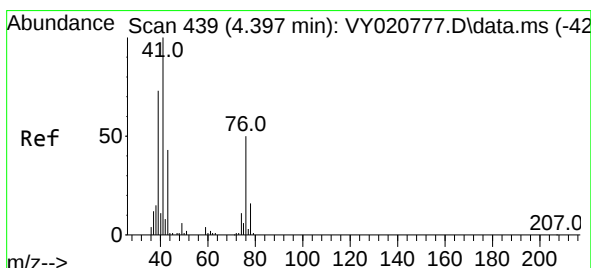
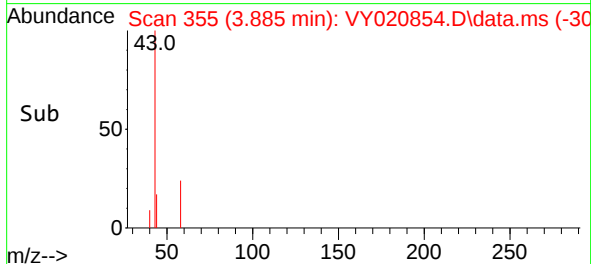
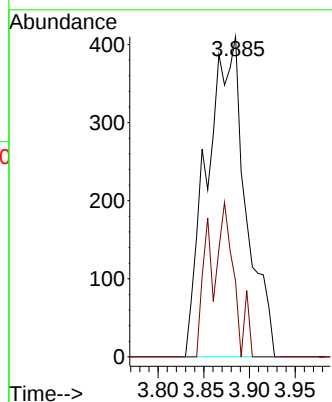
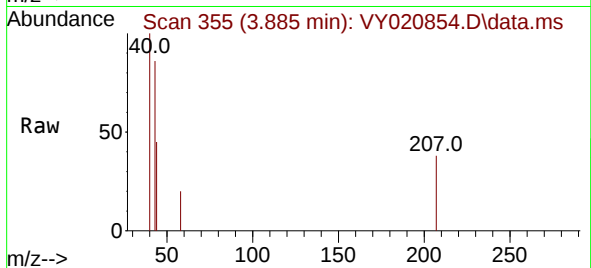




#16
Acetone
Concen: 22.093 ug/l
RT: 3.885 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

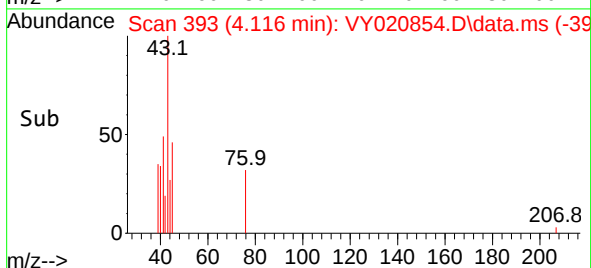
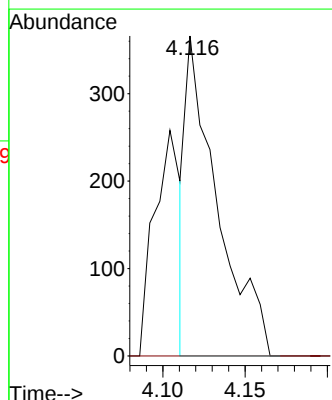
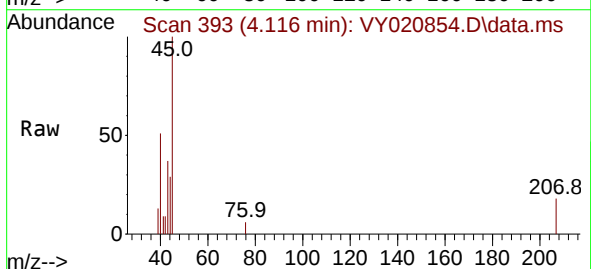
Instrument :
MSVOA_Y
ClientSampleId :

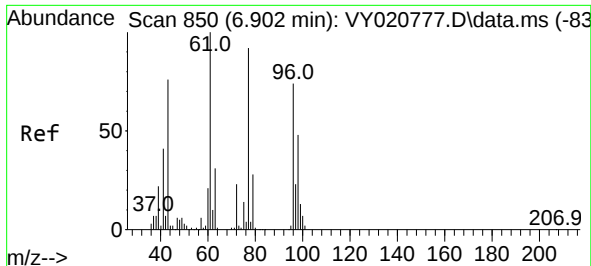
Tgt Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
58 23.7 26.7 40.1#



#18
Methyl Acetate
Concen: 2.639 ug/l
RT: 4.116 min Scan# 393
Delta R.T. -0.280 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

Tgt Ion: 43 Resp: 488
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.6#

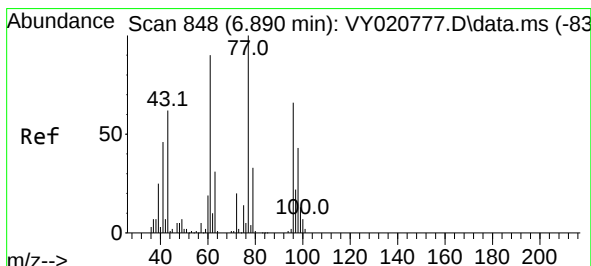
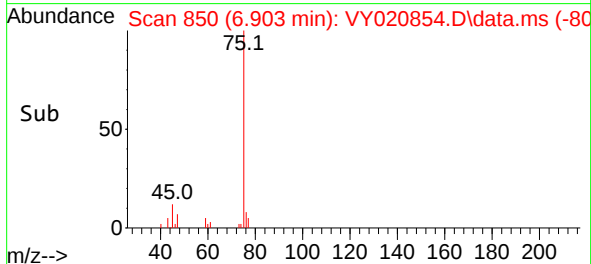
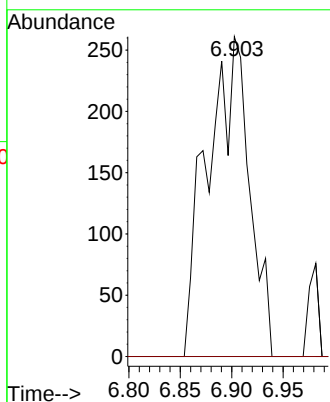
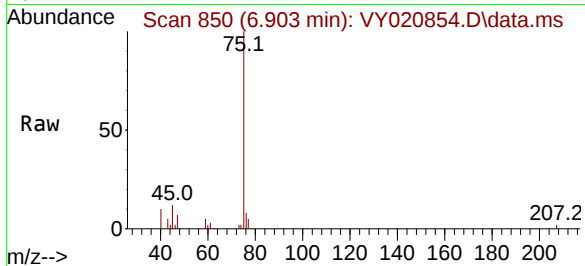




#25
2-Butanone
Concen: 8.292 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

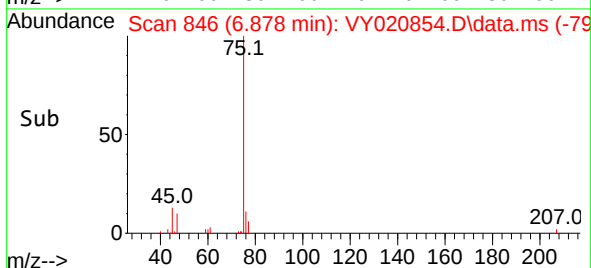
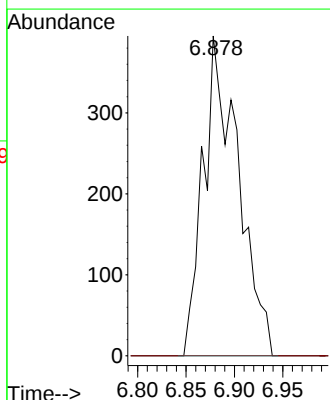
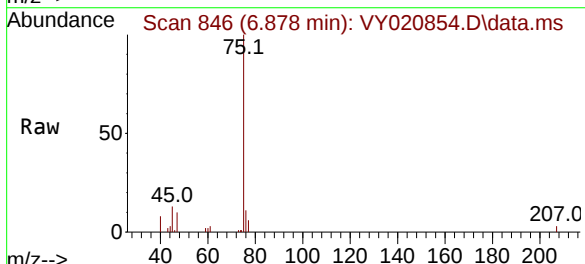
Instrument :
MSVOA_Y
ClientSampleId :

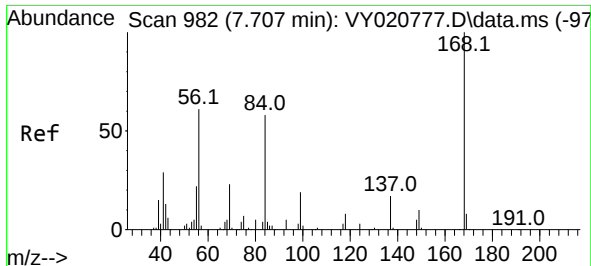
Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#



#26
2,2-Dichloropropane
Concen: 1.336 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

Tgt Ion: 77 Resp: 994
Ion Ratio Lower Upper
77 100
97 0.0 11.3 33.8#

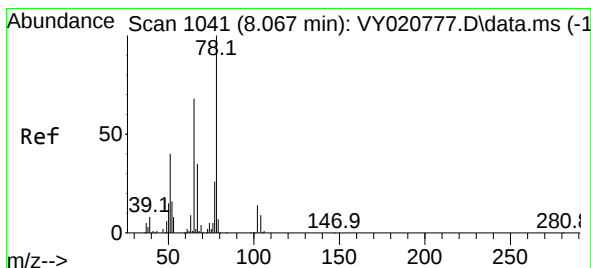
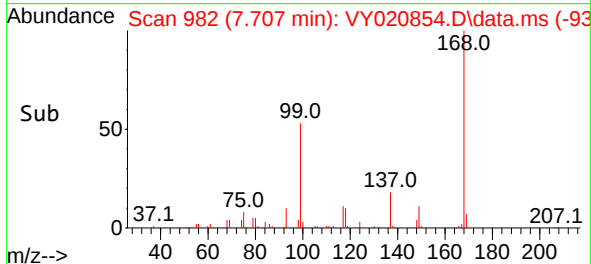
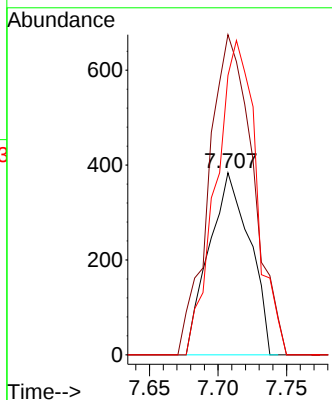
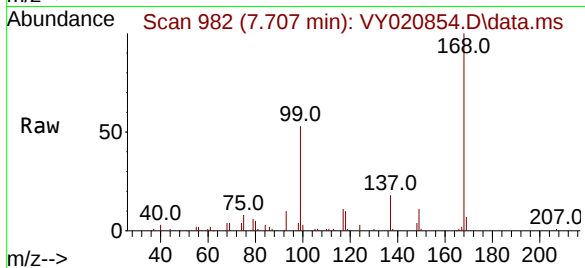




#31
Cyclohexane
Concen: 1.417 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

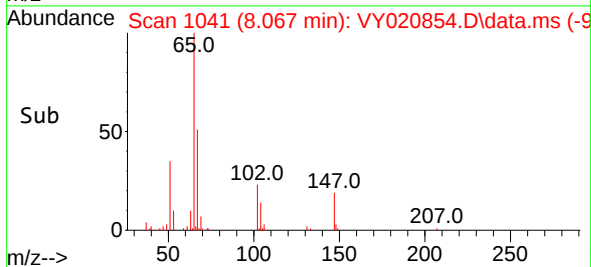
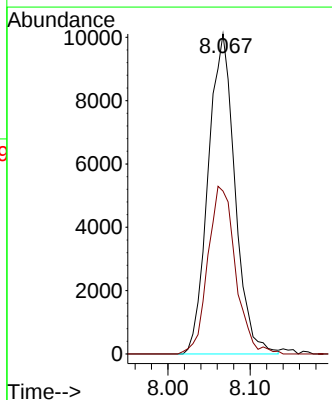
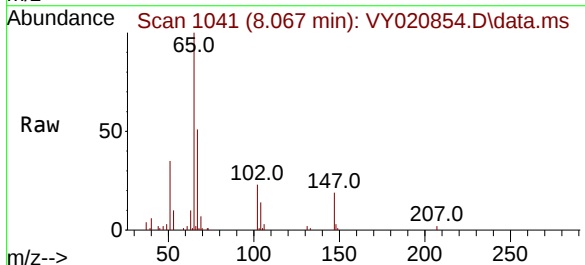
Instrument :
MSVOA_Y
ClientSampleId :

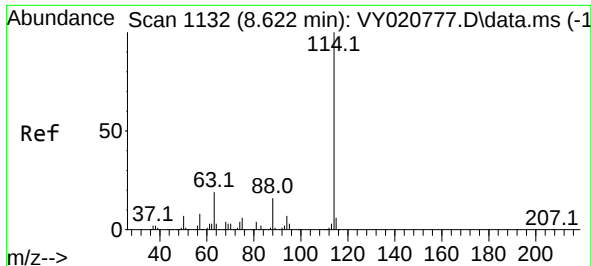
Tgt Ion: 56 Resp: 794
Ion Ratio Lower Upper
56 100
69 175.8 30.5 45.7#
84 153.4 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 59.441 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

Tgt Ion: 65 Resp: 22893
Ion Ratio Lower Upper
65 100
67 54.1 0.0 102.8

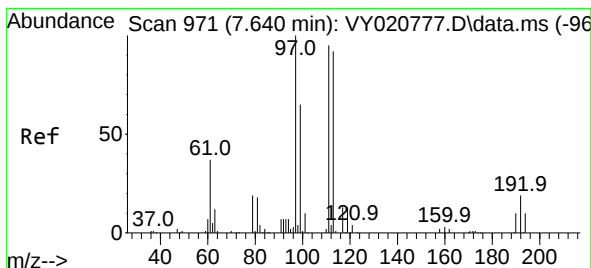
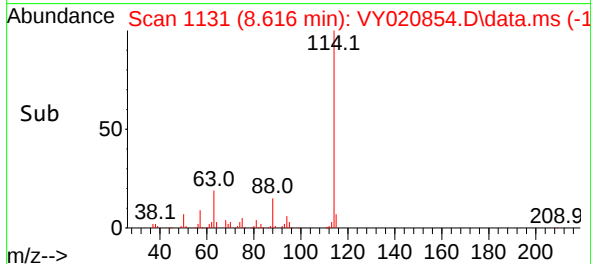
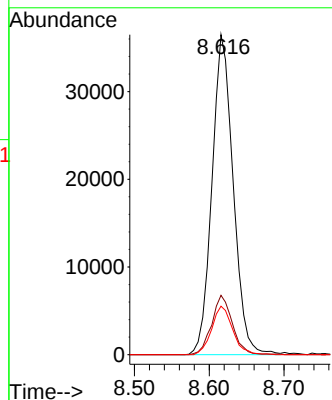
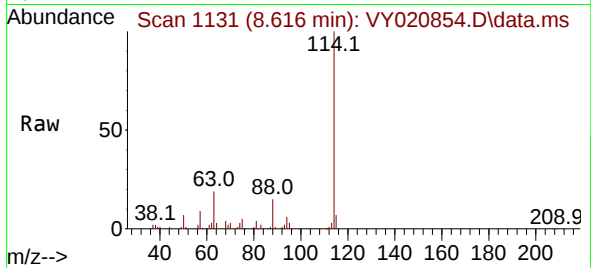




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

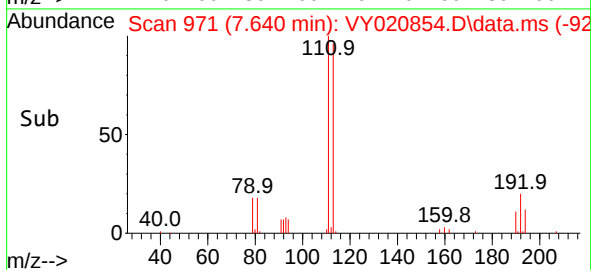
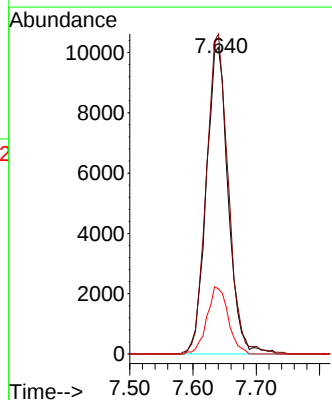
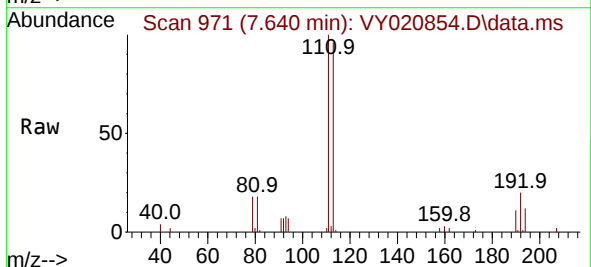
Instrument :
MSVOA_Y
ClientSampleId :

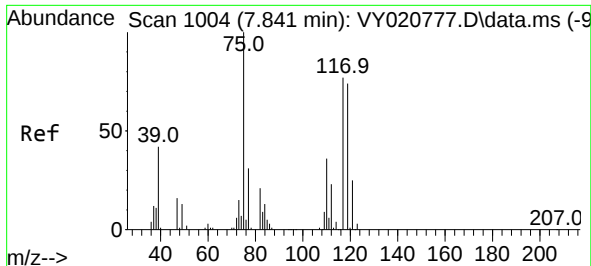
Tgt Ion:114 Resp: 72110
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 15.1 0.0 31.2



#35
Dibromofluoromethane
Concen: 54.283 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

Tgt Ion:113 Resp: 24523
Ion Ratio Lower Upper
113 100
111 104.6 81.7 122.5
192 21.2 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.599 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

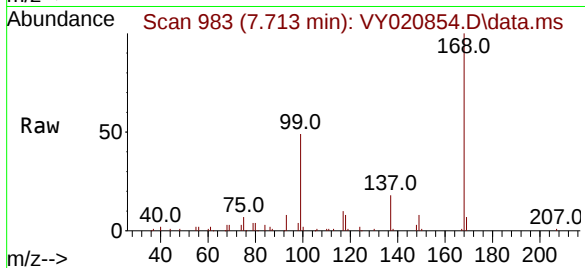
Lab File: VY020854.D

Acq: 17 Jan 2025 14:46

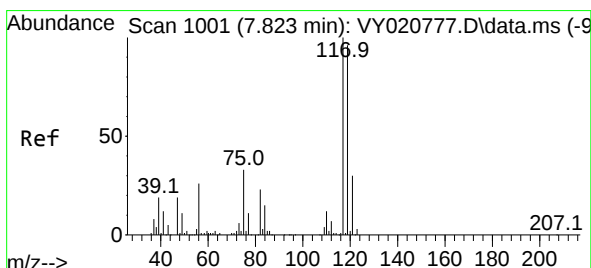
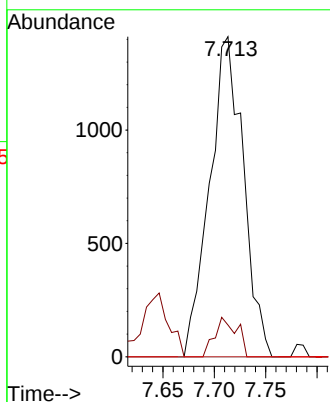
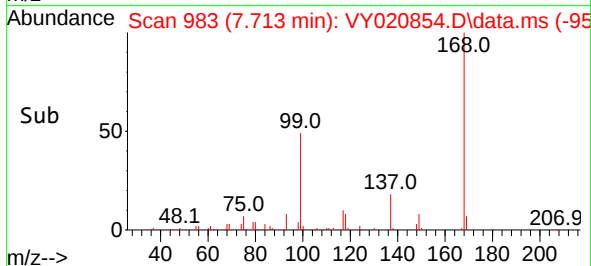
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 3226
Ion Ratio	Lower Upper
75	100
110	8.2 18.5 55.5#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.560 ug/l

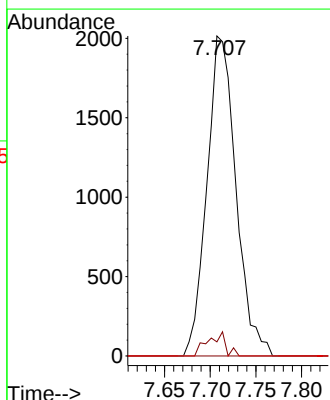
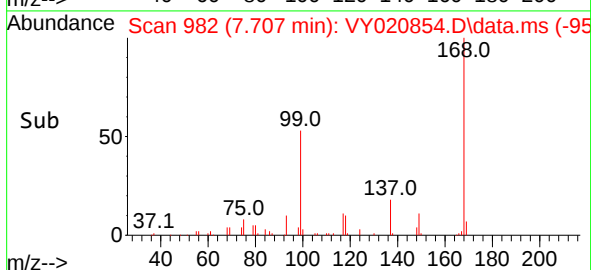
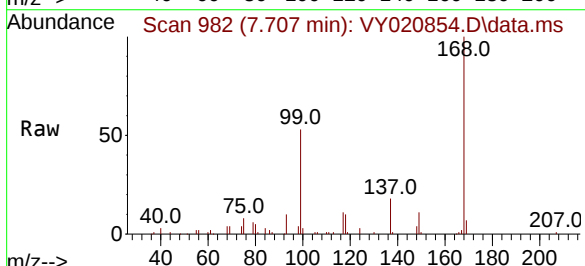
RT: 7.707 min Scan# 982

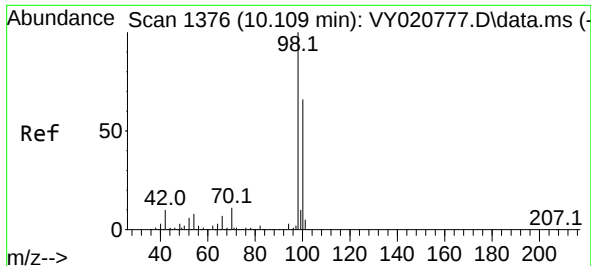
Delta R.T. -0.116 min

Lab File: VY020854.D

Acq: 17 Jan 2025 14:46

Tgt Ion: 117	Resp: 4460
Ion Ratio	Lower Upper
117	100
119	4.4 76.5 114.7#
121	0.0 24.3 36.5#

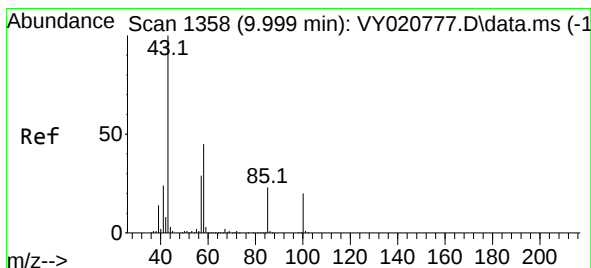
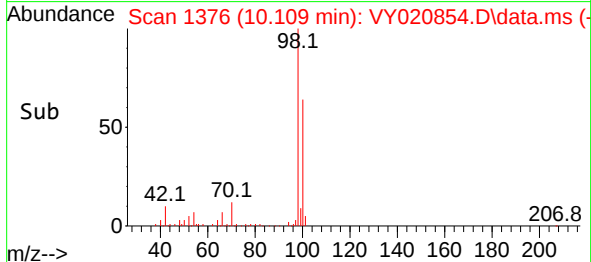
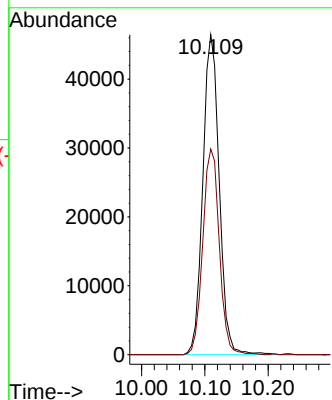
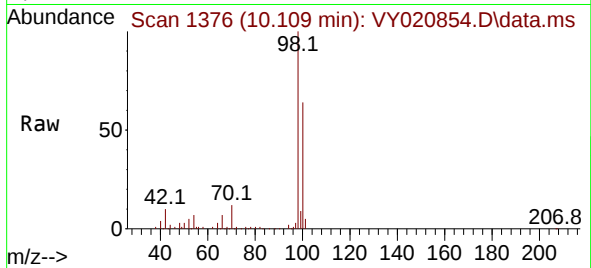




#50
Toluene-d8
Concen: 53.227 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

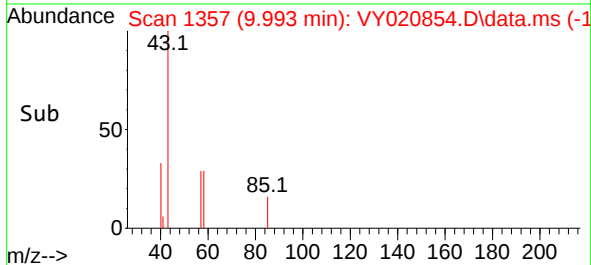
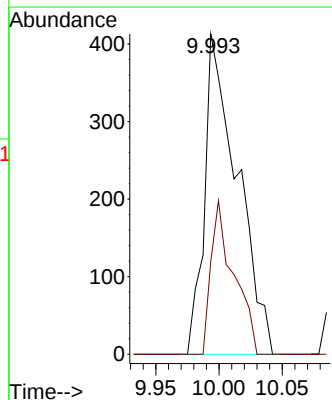
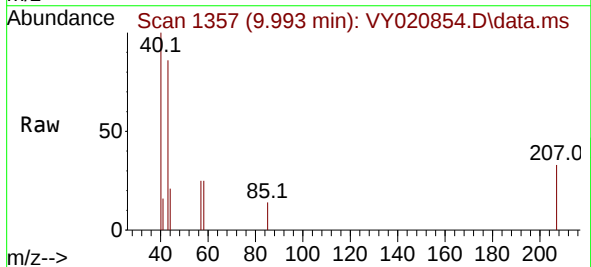
Instrument :
MSVOA_Y
ClientSampleId :

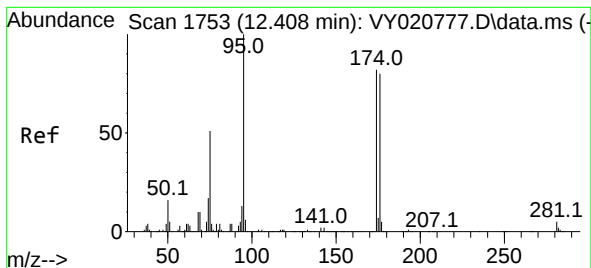
Tgt Ion: 98 Resp: 83824
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 3.193 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. -0.006 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
58 33.3 34.8 52.2#

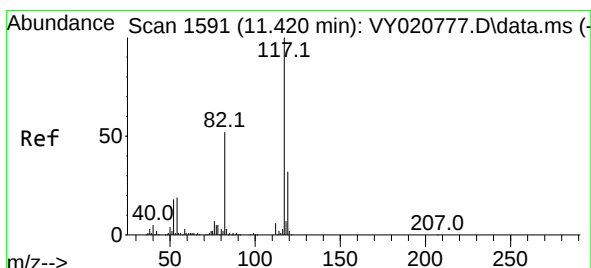
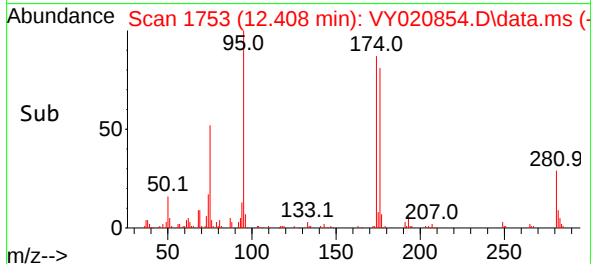
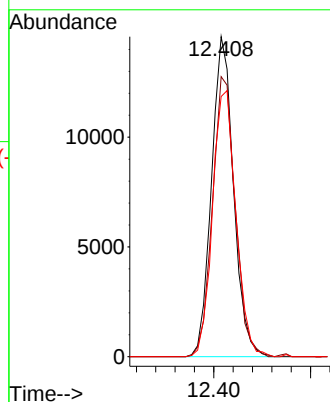
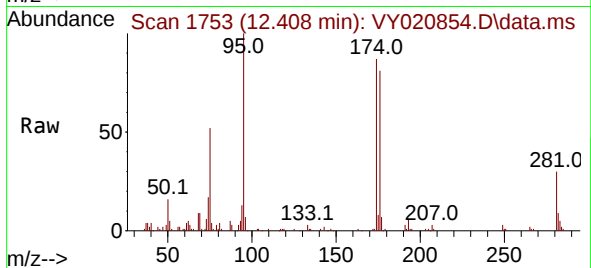




#62
4-Bromofluorobenzene
Concen: 39.645 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

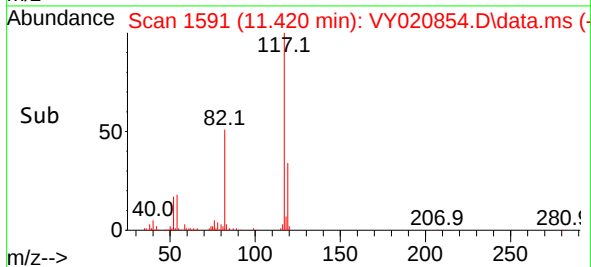
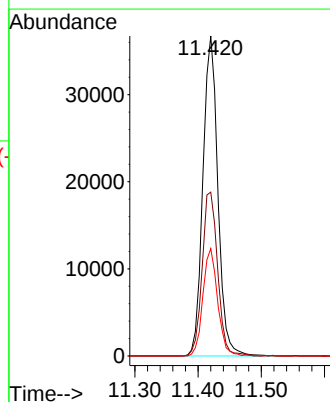
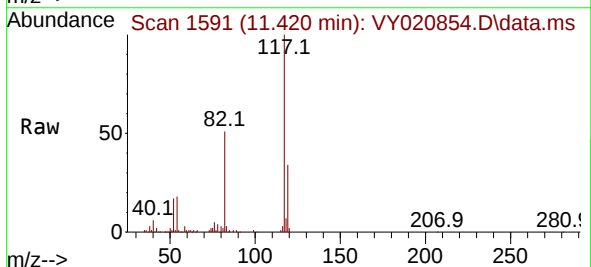
Instrument :
MSVOA_Y
ClientSampleId :

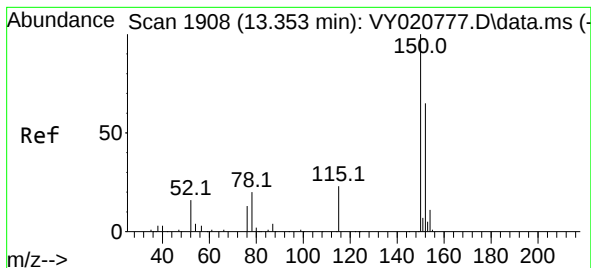
Tgt Ion: 95 Resp: 23056
Ion Ratio Lower Upper
95 100
174 90.1 0.0 178.0
176 88.5 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

Tgt Ion: 117 Resp: 60726
Ion Ratio Lower Upper
117 100
82 51.2 41.8 62.6
119 33.5 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: VY020854.D

Acq: 17 Jan 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

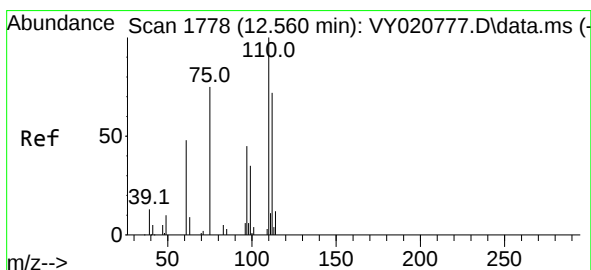
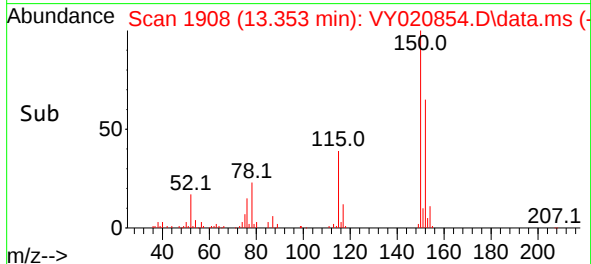
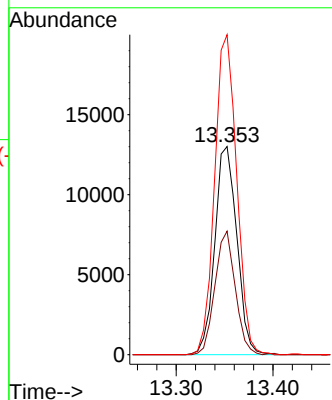
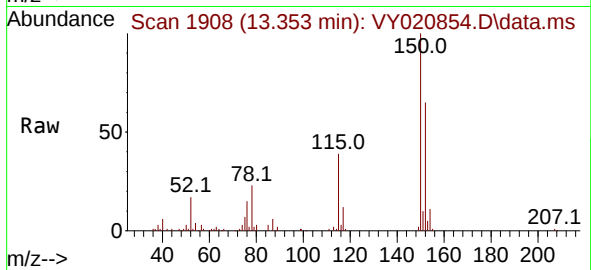
Tgt Ion:152 Resp: 20598

Ion Ratio Lower Upper

152 100

115 54.8 29.0 87.0

150 153.7 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 64.574 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020854.D

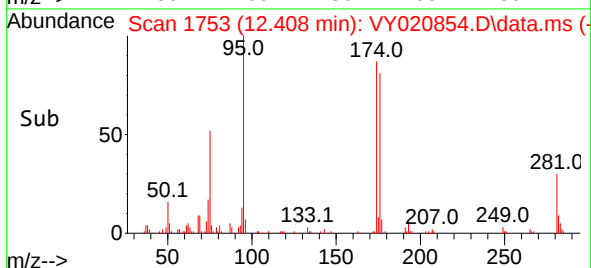
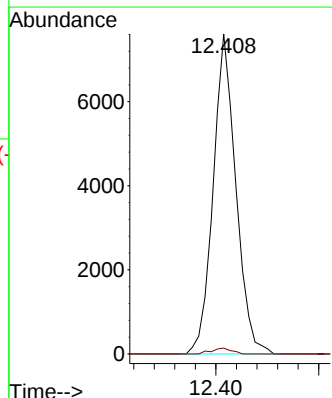
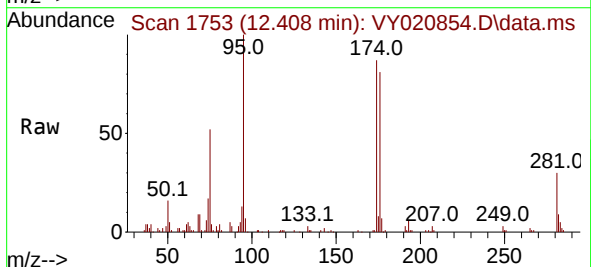
Acq: 17 Jan 2025 14:46

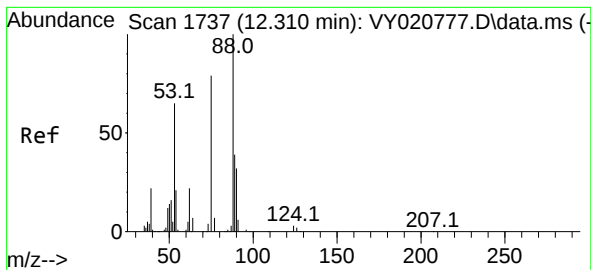
Tgt Ion: 75 Resp: 11638

Ion Ratio Lower Upper

75 100

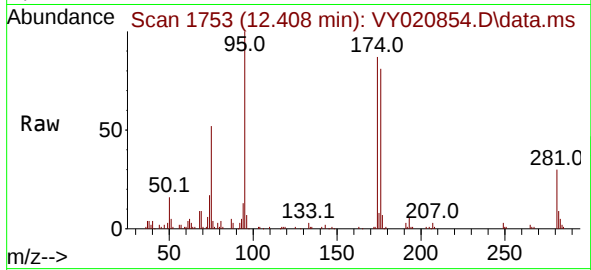
77 1.6 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 136.156 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY020854.D
Acq: 17 Jan 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :



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

