

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020878.D
 Acq On : 20 Jan 2025 13:48
 Operator : SY/MD
 Sample : Q1134-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 00:41:31 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)

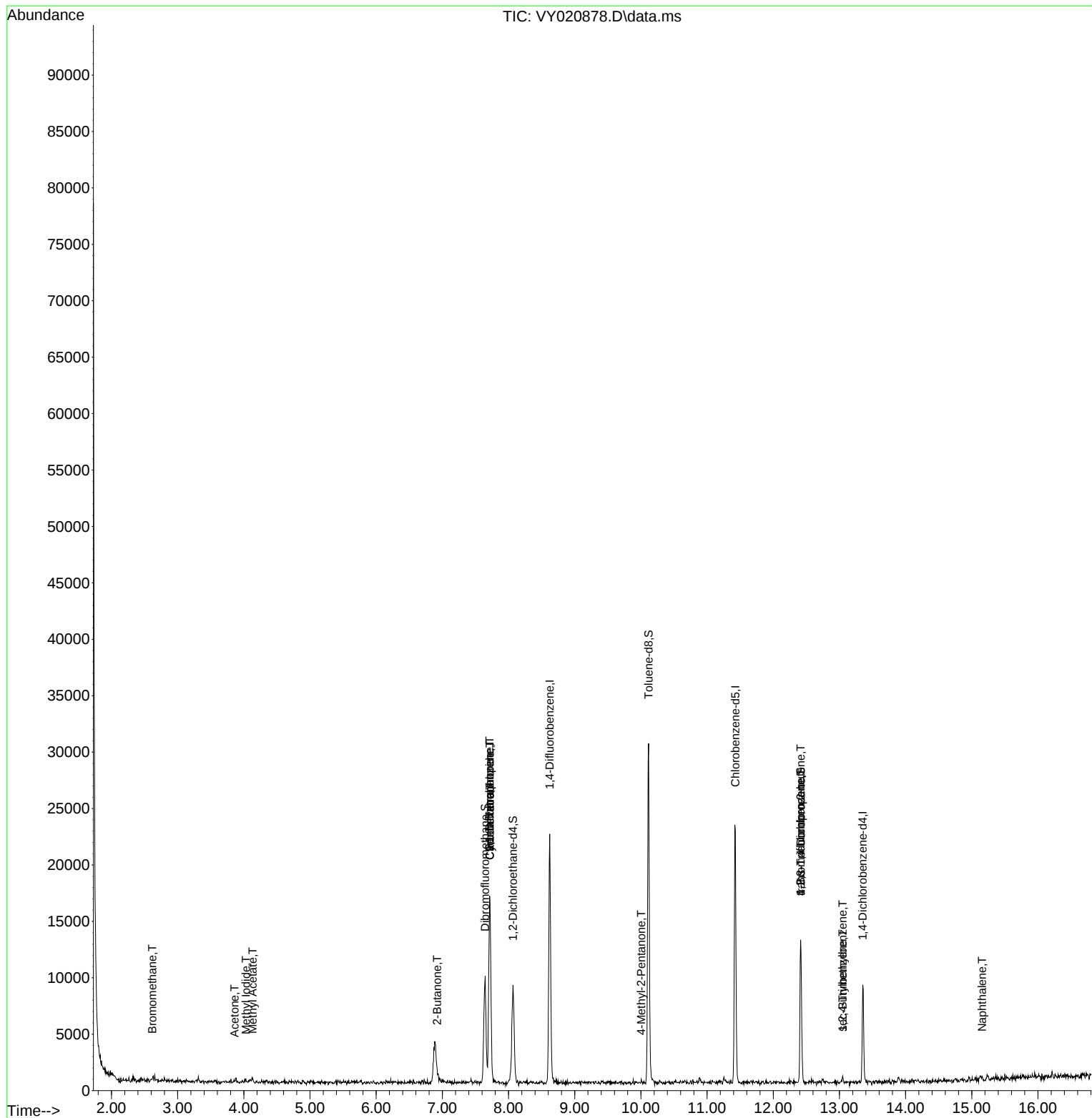
Internal Standards						
1) Pentafluorobenzene	7.713	168	14295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	20087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	14141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	2588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	6366	52.394	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.780%			
35) Dibromofluoromethane	7.646	113	7192	57.150	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.300%			
50) Toluene-d8	10.115	98	21468	48.936	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.880%			
62) 4-Bromofluorobenzene	12.414	95	4031	24.883	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 49.760%			
Target Compounds						Qvalue
5) Bromomethane	2.617	94	65	1.486	ug/l #	54
10) Methyl Iodide	4.031	142	400	2.933	ug/l #	47
16) Acetone	3.860	43	172	9.955	ug/l #	41
18) Methyl Acetate	4.135	43	86	1.474	ug/l #	46
25) 2-Butanone	6.921	43	54	1.903	ug/l #	45
31) Cyclohexane	7.719	56	226	1.278	ug/l #	16
36) 1,1-Dichloropropene	7.713	75	924	5.757	ug/l #	40
38) Carbon Tetrachloride	7.719	117	1395	6.243	ug/l #	12
51) 4-Methyl-2-Pentanone	10.006	43	131	2.018	ug/l #	58
76) 1,2,3-Trichloropropane	12.414	75	1835	81.035	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	1835	170.866	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.048	105	431	2.653	ug/l	84
85) sec-Butylbenzene	13.048	105	431	1.983	ug/l #	55
95) Naphthalene	15.157	128	145	1.904	ug/l #	69

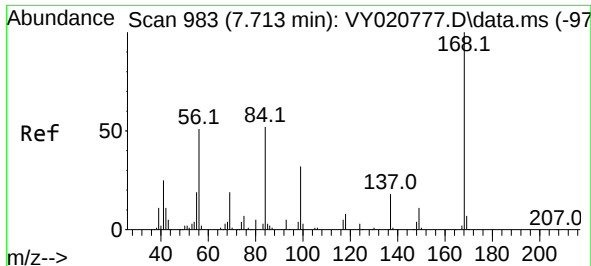
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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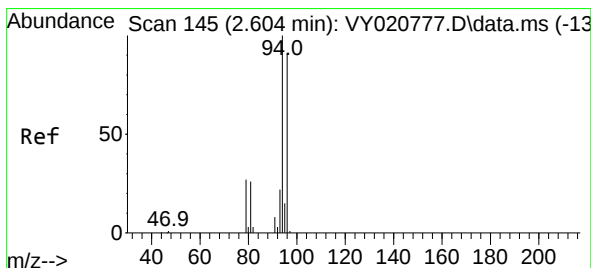
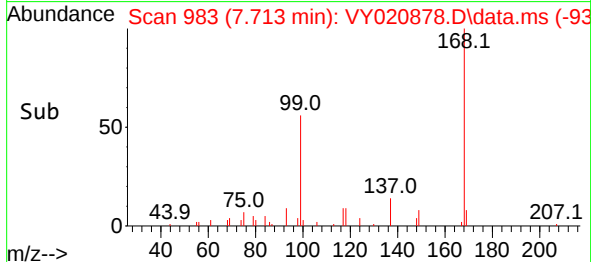
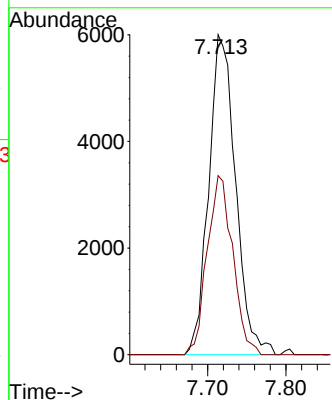
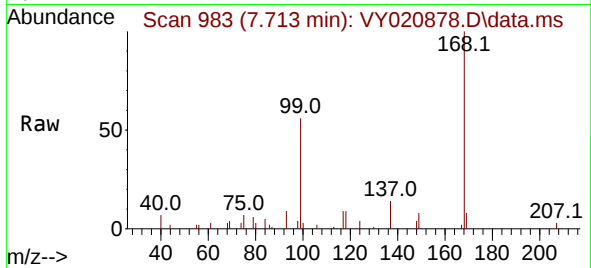




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020878.D
Acq: 20 Jan 2025 13:48

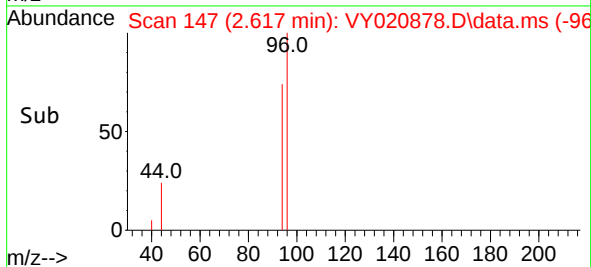
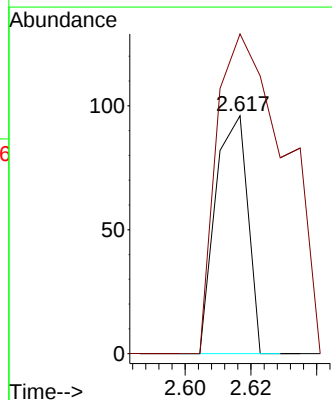
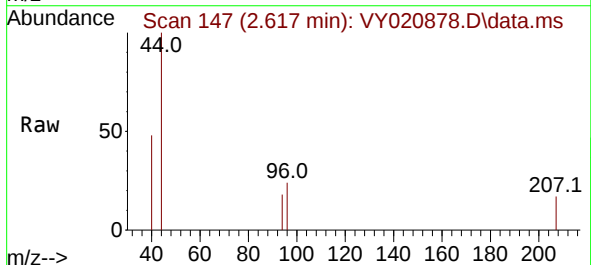
Instrument :
MSVOA_Y
ClientSampleId :

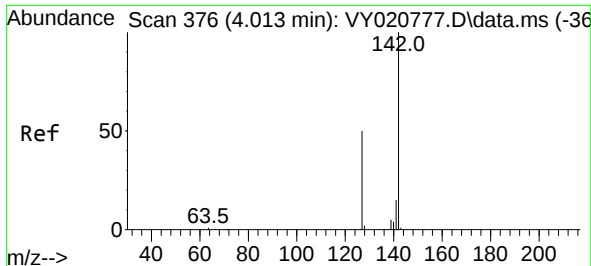
Tgt Ion:168 Resp: 14295
Ion Ratio Lower Upper
168 100
99 55.9 44.3 66.5



#5
Bromomethane
Concen: 1.486 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.012 min
Lab File: VY020878.D
Acq: 20 Jan 2025 13:48

Tgt Ion: 94 Resp: 65
Ion Ratio Lower Upper
94 100
96 134.4 72.6 109.0#





#10

Methyl Iodide

Concen: 2.933 ug/l

RT: 4.031 min Scan# 31

Delta R.T. 0.018 min

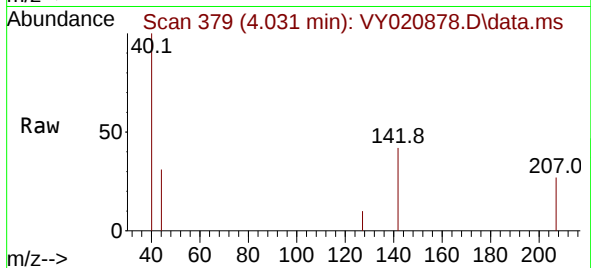
Lab File: VY020878.D

Acq: 20 Jan 2025 13:48

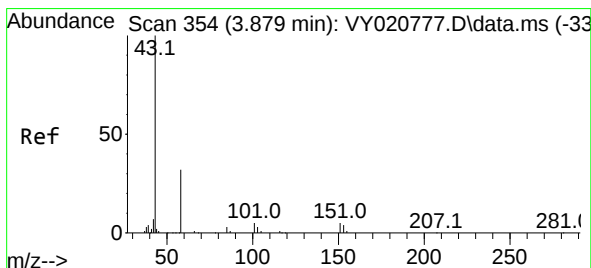
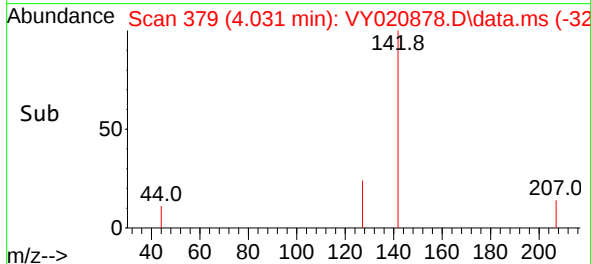
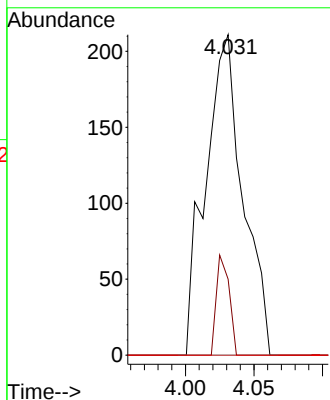
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:142	Resp:	400
Ion	Ratio	Lower Upper
142	100	
127	10.5	41.0 61.6#
141	0.0	11.6 17.4#



#16

Acetone

Concen: 9.955 ug/l

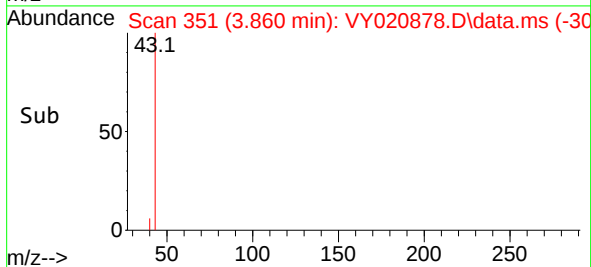
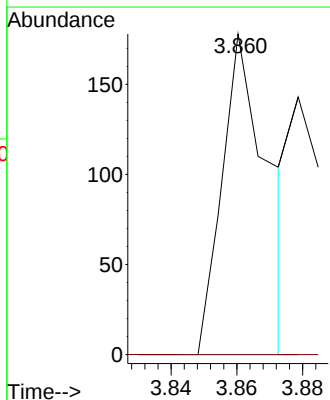
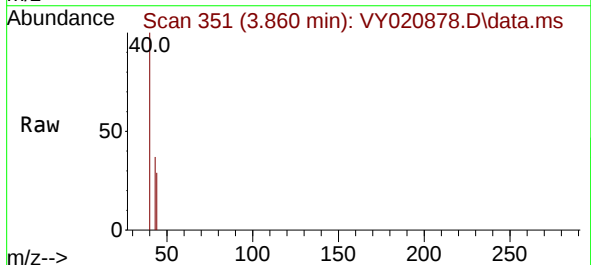
RT: 3.860 min Scan# 351

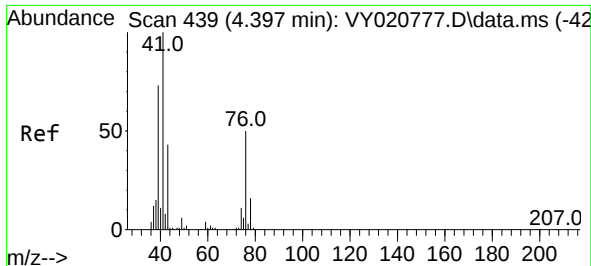
Delta R.T. -0.018 min

Lab File: VY020878.D

Acq: 20 Jan 2025 13:48

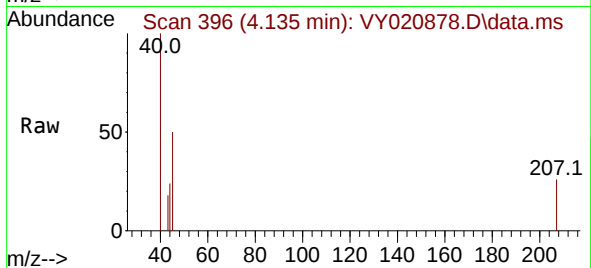
Tgt Ion: 43	Resp:	172
Ion	Ratio	Lower Upper
43	100	
58	0.0	26.7 40.1#



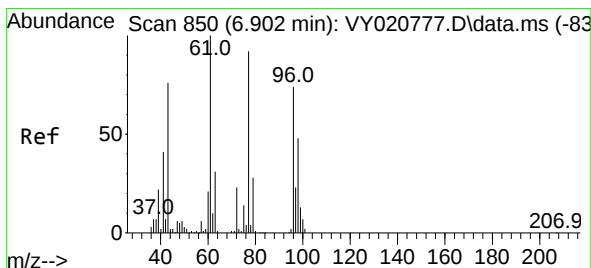
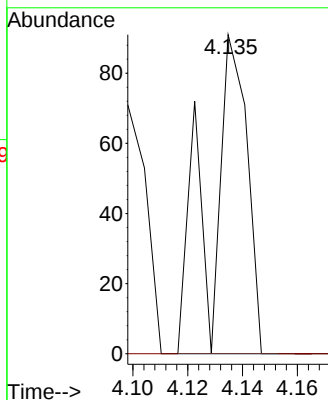
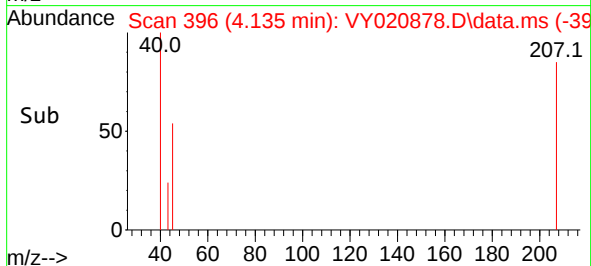


#18
Methyl Acetate
Concen: 1.474 ug/l
RT: 4.135 min Scan# 396
Delta R.T. -0.262 min
Lab File: VY020878.D
Acq: 20 Jan 2025 13:48

Instrument :
MSVOA_Y
ClientSampleId :

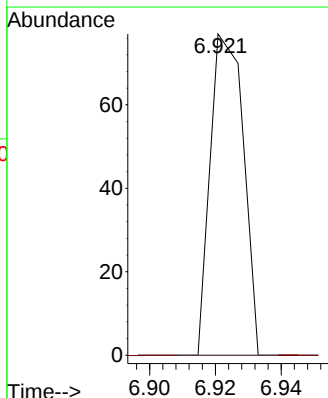
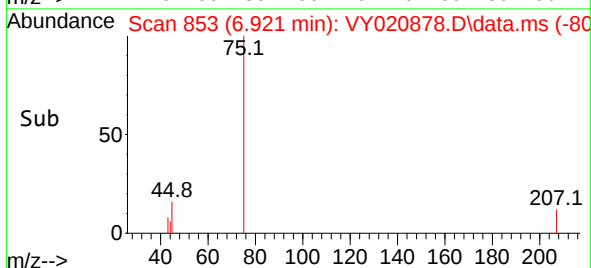
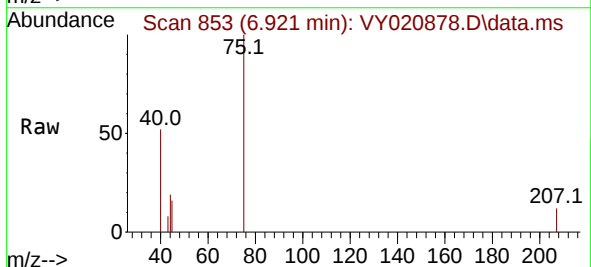


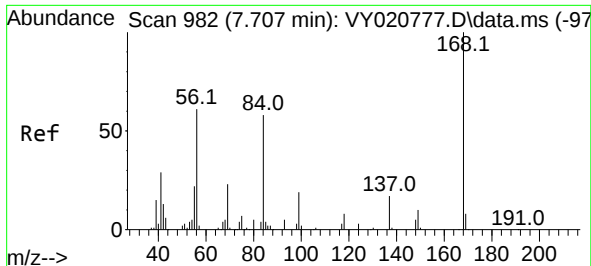
Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.6#



#25
2-Butanone
Concen: 1.903 ug/l
RT: 6.921 min Scan# 853
Delta R.T. 0.018 min
Lab File: VY020878.D
Acq: 20 Jan 2025 13:48

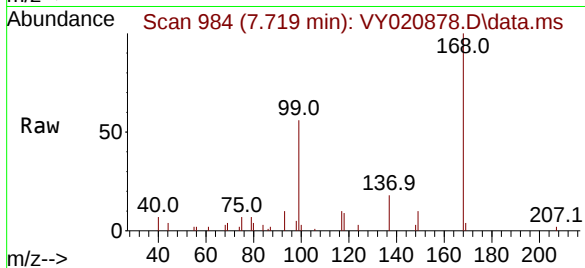
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#



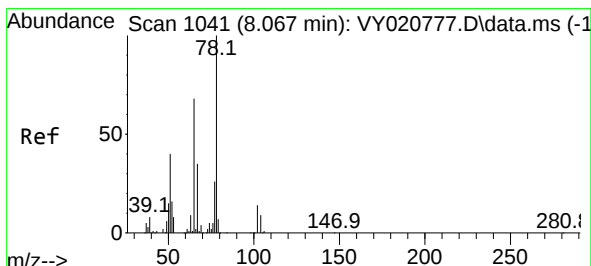
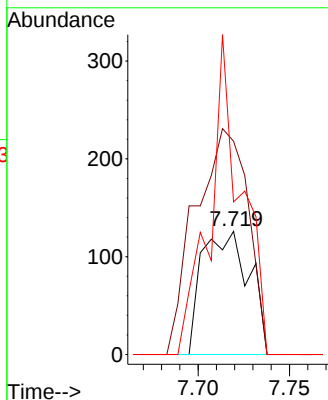
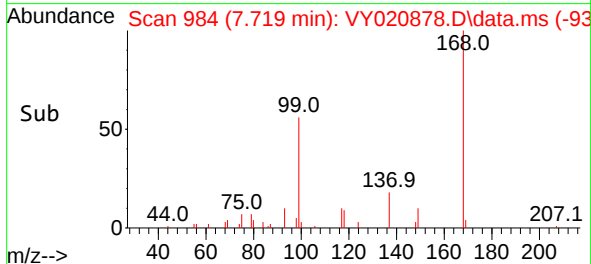


#31
Cyclohexane
Concen: 1.278 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY020878.D
Acq: 20 Jan 2025 13:48

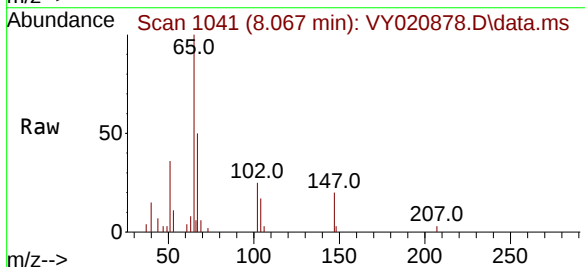
Instrument :
MSVOA_Y
ClientSampleId :



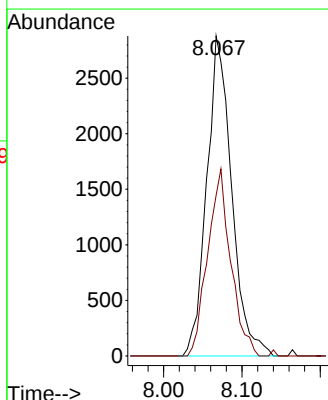
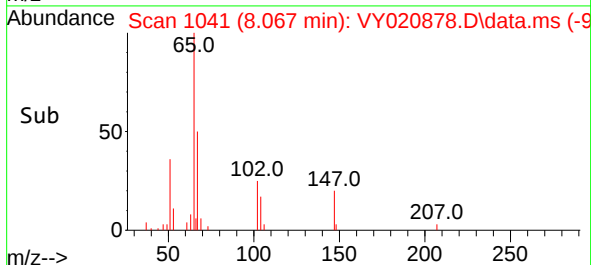
Tgt Ion: 56 Resp: 226
Ion Ratio Lower Upper
56 100
69 173.0 30.5 45.7#
84 123.8 76.6 115.0#

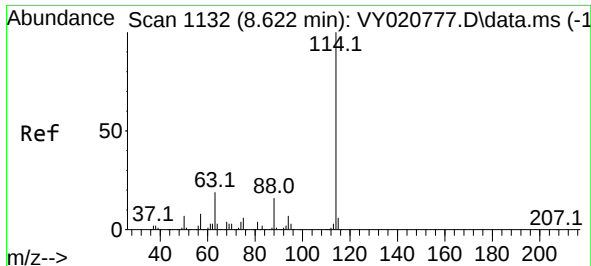


#33
1,2-Dichloroethane-d4
Concen: 52.394 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY020878.D
Acq: 20 Jan 2025 13:48



Tgt Ion: 65 Resp: 6366
Ion Ratio Lower Upper
65 100
67 54.1 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: VY020878.D

Acq: 20 Jan 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :

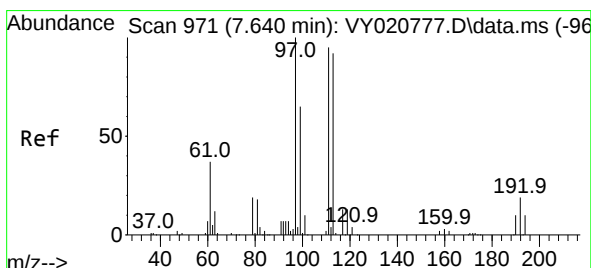
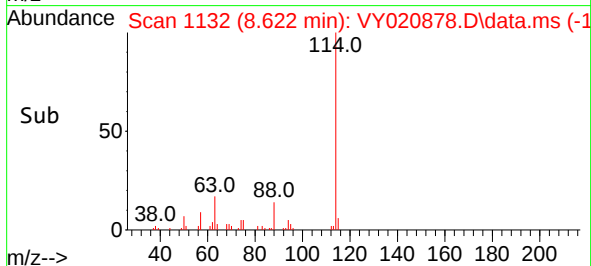
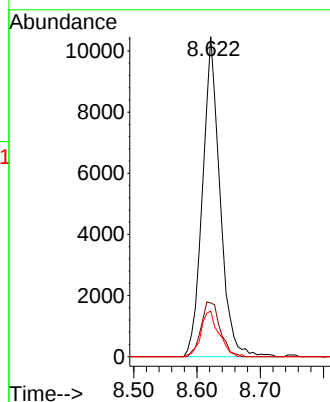
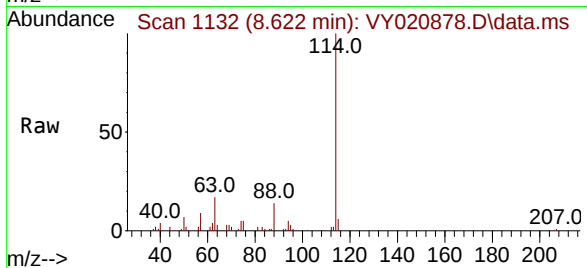
Tgt Ion:114 Resp: 20087

Ion Ratio Lower Upper

114 100

63 16.8 0.0 38.4

88 14.2 0.0 31.2



#35

Dibromofluoromethane

Concen: 57.150 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY020878.D

Acq: 20 Jan 2025 13:48

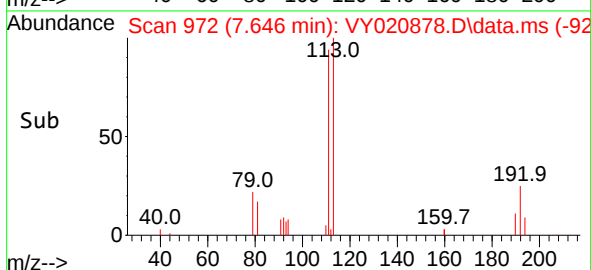
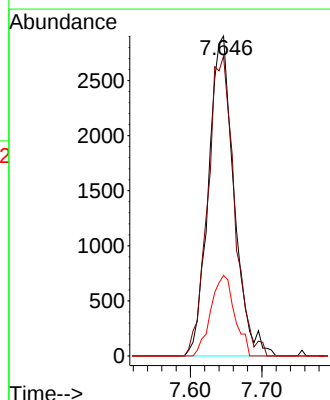
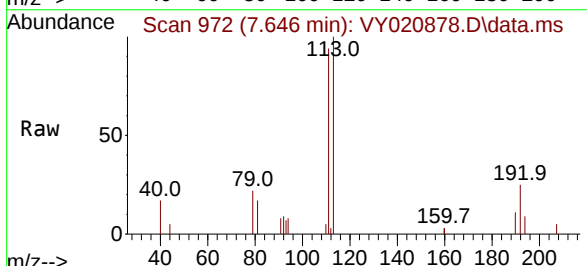
Tgt Ion:113 Resp: 7192

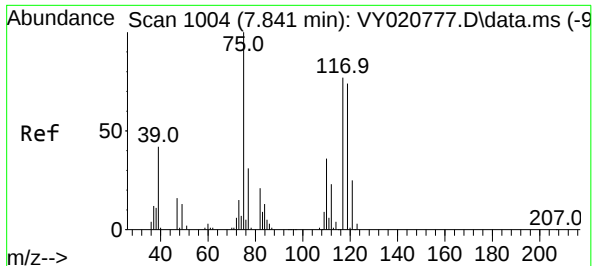
Ion Ratio Lower Upper

113 100

111 97.4 81.7 122.5

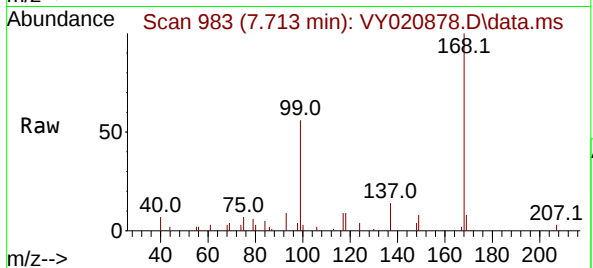
192 23.6 16.7 25.1



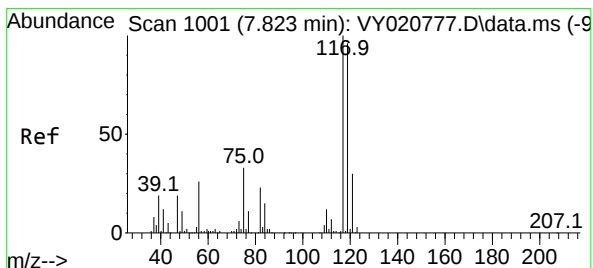
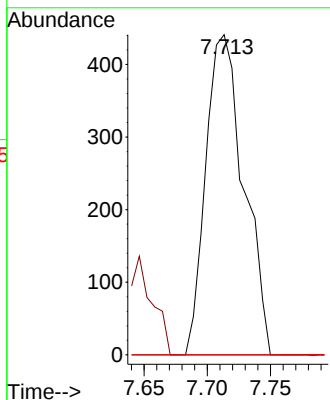
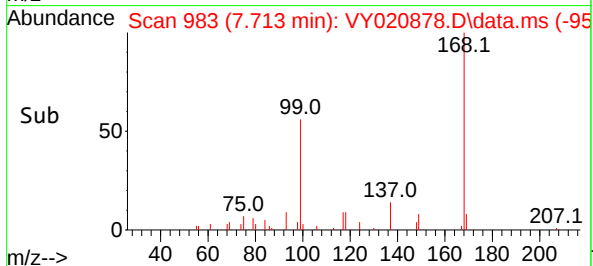


#36
1,1-Dichloropropene
Concen: 5.757 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY020878.D
Acq: 20 Jan 2025 13:48

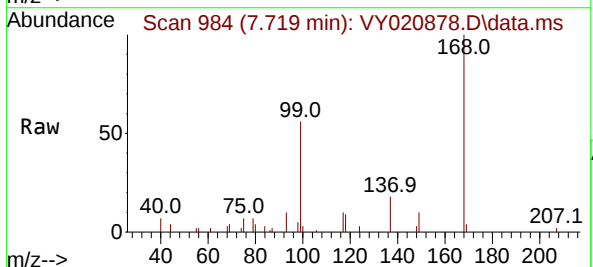
Instrument :
MSVOA_Y
ClientSampleId :



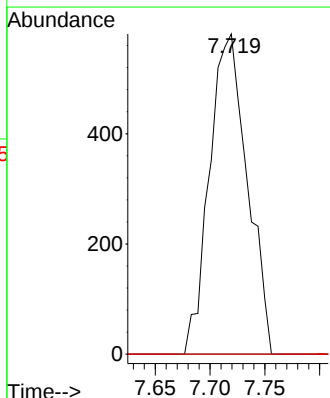
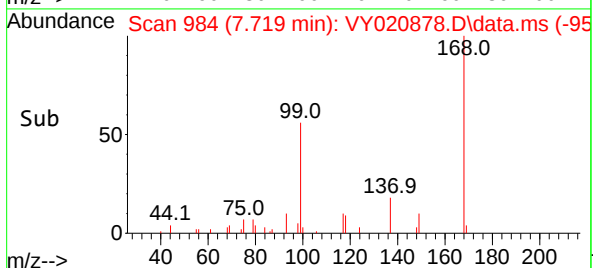
Tgt Ion: 75 Resp: 924
Ion Ratio Lower Upper
75 100
110 0.0 18.5 55.5#
77 0.0 25.0 37.4#

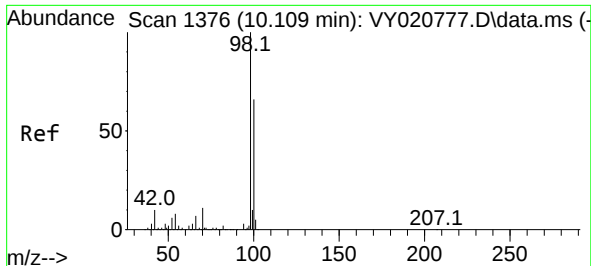


#38
Carbon Tetrachloride
Concen: 6.243 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.104 min
Lab File: VY020878.D
Acq: 20 Jan 2025 13:48



Tgt Ion: 117 Resp: 1395
Ion Ratio Lower Upper
117 100
119 0.0 76.5 114.7#
121 0.0 24.3 36.5#

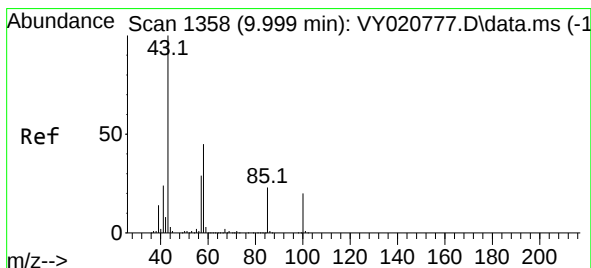
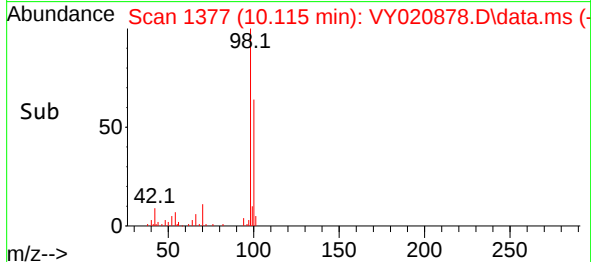
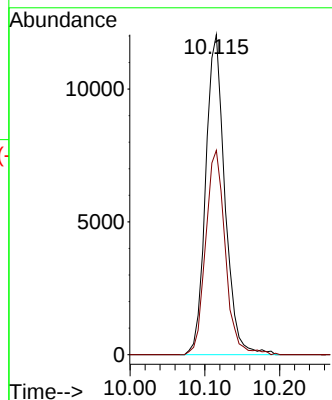
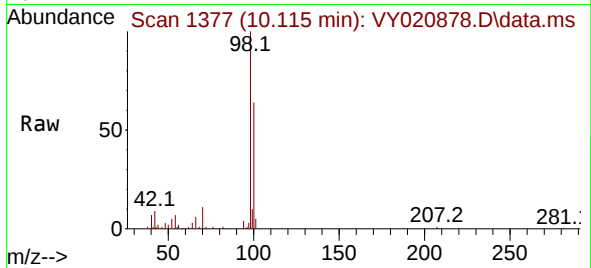




#50
Toluene-d8
Concen: 48.936 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY020878.D
Acq: 20 Jan 2025 13:48

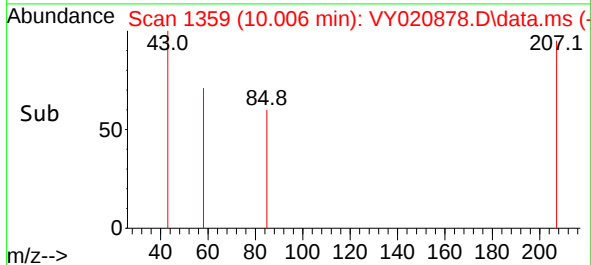
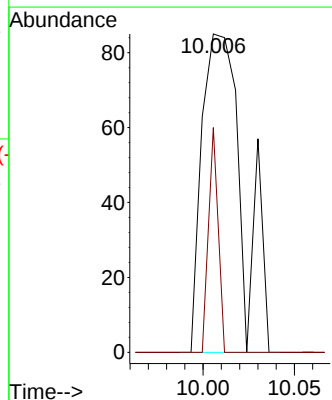
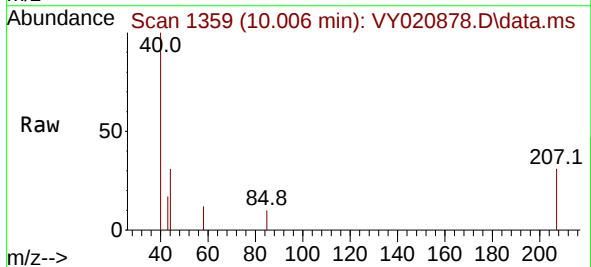
Instrument :
MSVOA_Y
ClientSampleId :

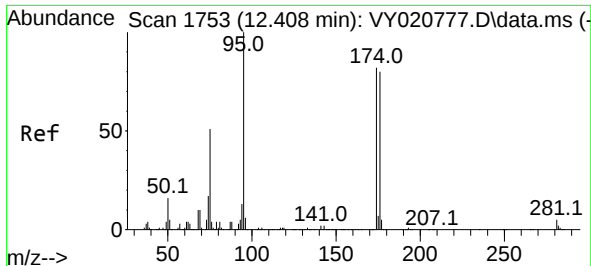
Tgt Ion: 98 Resp: 21468
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 2.018 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY020878.D
Acq: 20 Jan 2025 13:48

Tgt Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
58 16.8 34.8 52.2#

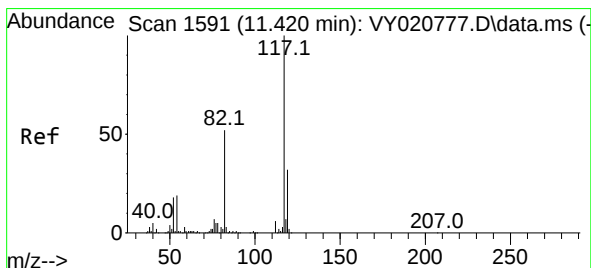
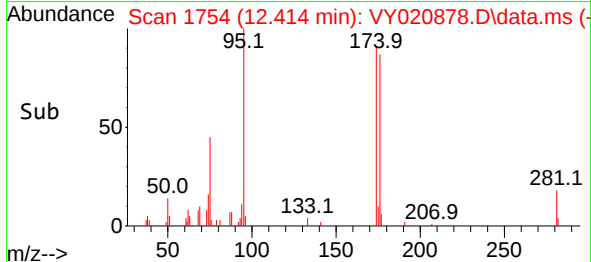
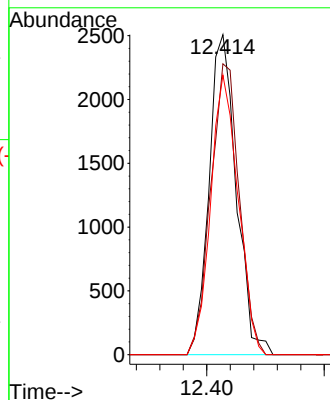
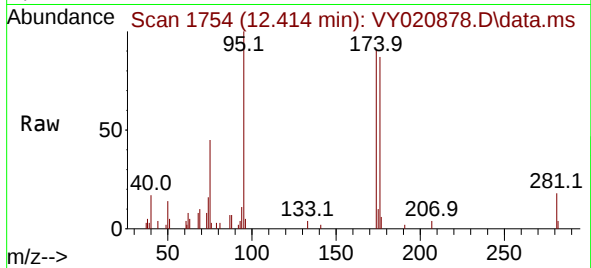




#62
4-Bromofluorobenzene
Concen: 24.883 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020878.D
Acq: 20 Jan 2025 13:48

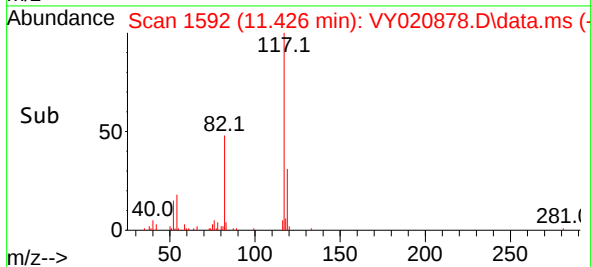
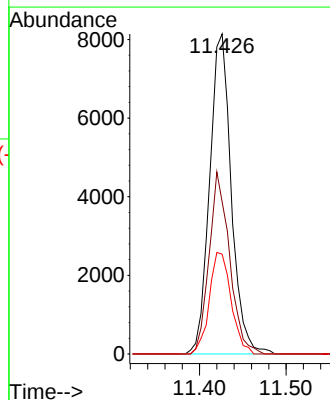
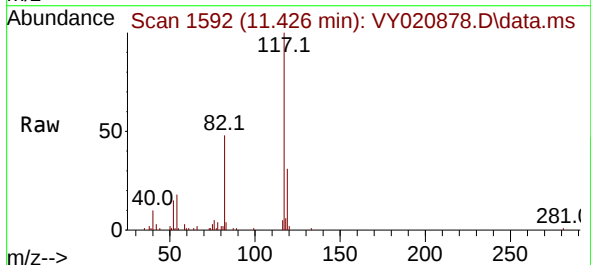
Instrument :
MSVOA_Y
ClientSampleId :

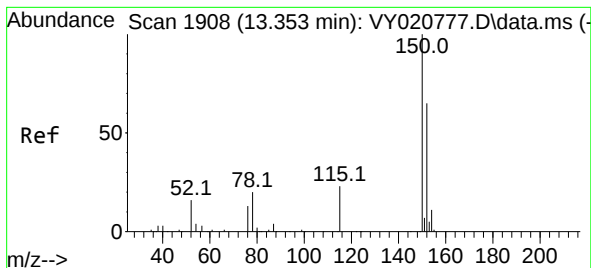
Tgt Ion:	95	Resp:	4031
Ion	Ratio	Lower	Upper
95	100		
174	95.6	0.0	178.0
176	88.8	0.0	172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY020878.D
Acq: 20 Jan 2025 13:48

Tgt Ion:	117	Resp:	14141
Ion	Ratio	Lower	Upper
117	100		
82	47.6	41.8	62.6
119	31.2	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

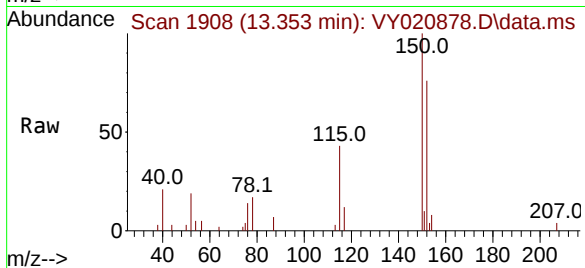
Lab File: VY020878.D

Acq: 20 Jan 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :



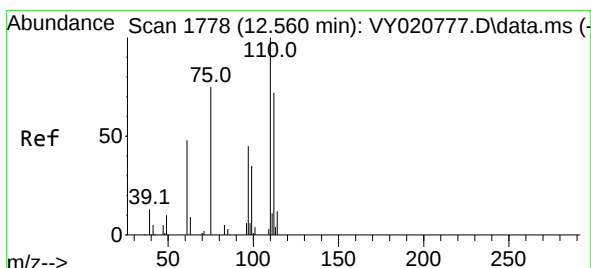
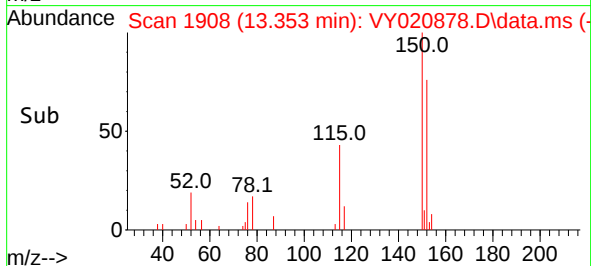
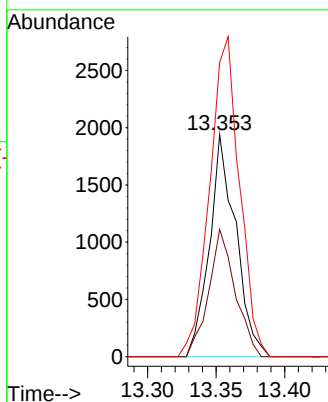
Tgt Ion:152 Resp: 2588

Ion Ratio Lower Upper

152 100

115 57.8 29.0 87.0

150 163.7 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 81.035 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY020878.D

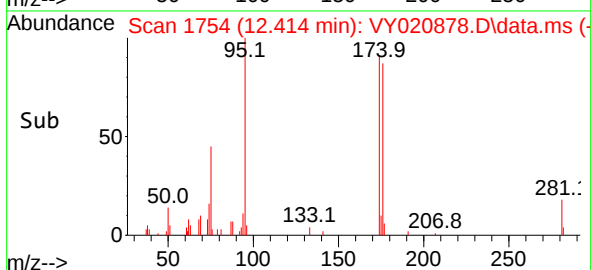
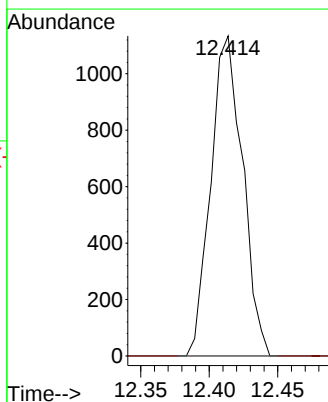
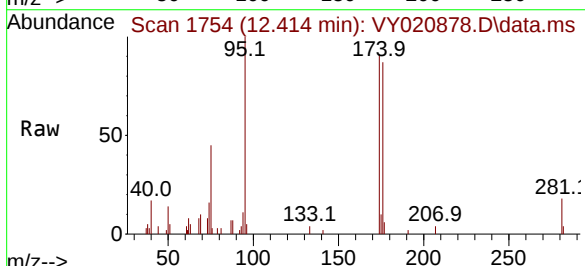
Acq: 20 Jan 2025 13:48

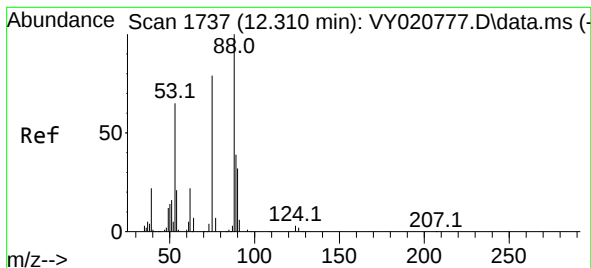
Tgt Ion: 75 Resp: 1835

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

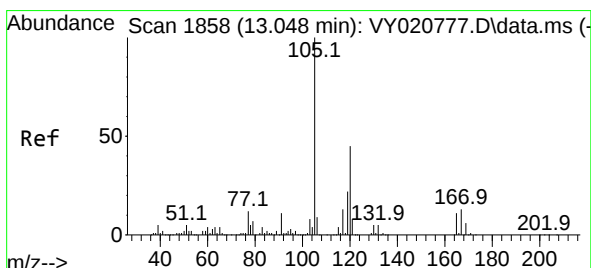
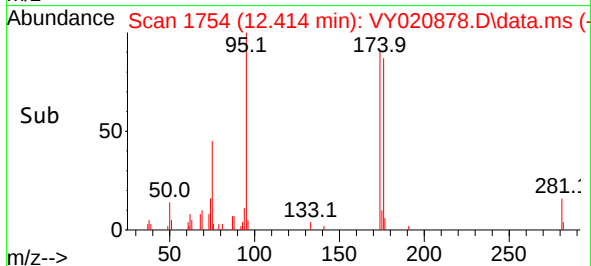
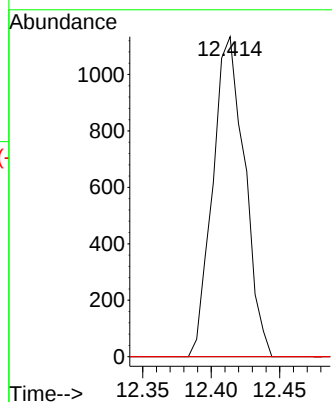
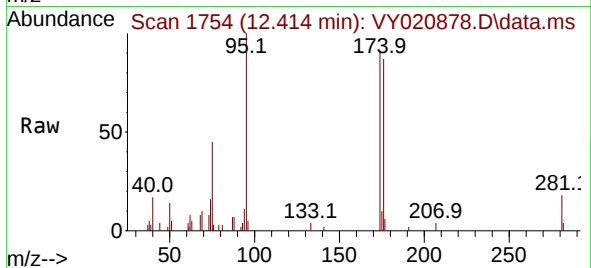




#81
 trans-1,4-Dichloro-2-butene
 Concen: 170.866 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. 0.104 min
 Lab File: VY020878.D
 Acq: 20 Jan 2025 13:48

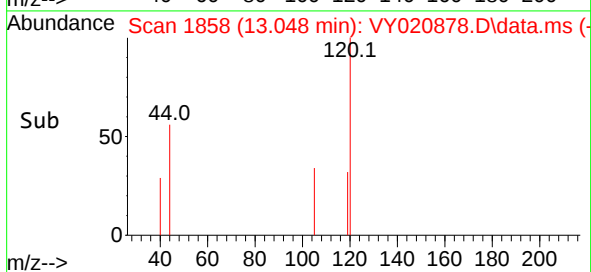
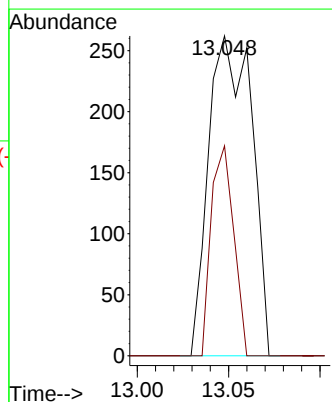
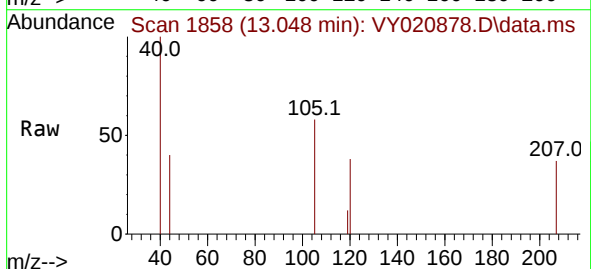
Instrument :
 MSVOA_Y
 ClientSampleId :

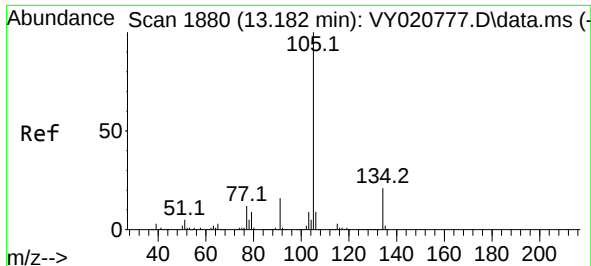
Tgt Ion: 75 Resp: 1835
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.0#
 89 0.0 39.6 59.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 2.653 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. 0.000 min
 Lab File: VY020878.D
 Acq: 20 Jan 2025 13:48

Tgt Ion: 105 Resp: 431
 Ion Ratio Lower Upper
 105 100
 120 34.1 22.4 67.2

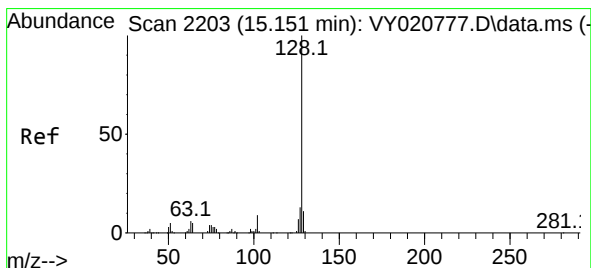
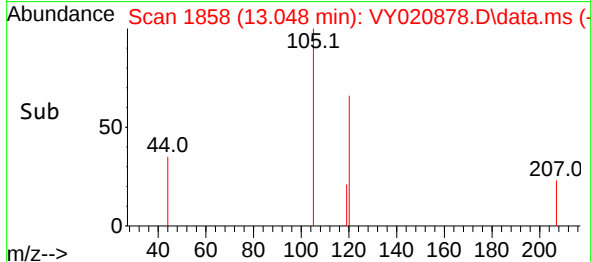
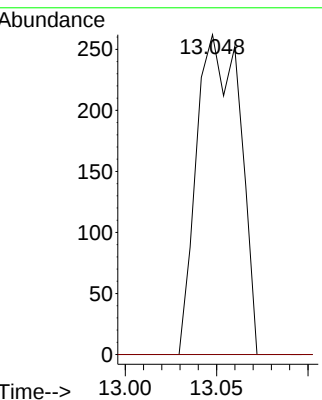
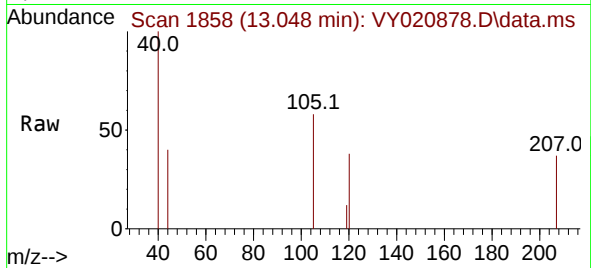




#85
 sec-Butylbenzene
 Concen: 1.983 ug/l
 RT: 13.048 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VY020878.D
 Acq: 20 Jan 2025 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:105 Resp: 431
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#



#95
 Naphthalene
 Concen: 1.904 ug/l
 RT: 15.157 min Scan# 2204
 Delta R.T. 0.006 min
 Lab File: VY020878.D
 Acq: 20 Jan 2025 13:48

Tgt Ion:128 Resp: 145
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.6 12.8#

