

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020873.D
 Acq On : 20 Jan 2025 11:53
 Operator : SY/MD
 Sample : Q1110-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 00:39:47 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)

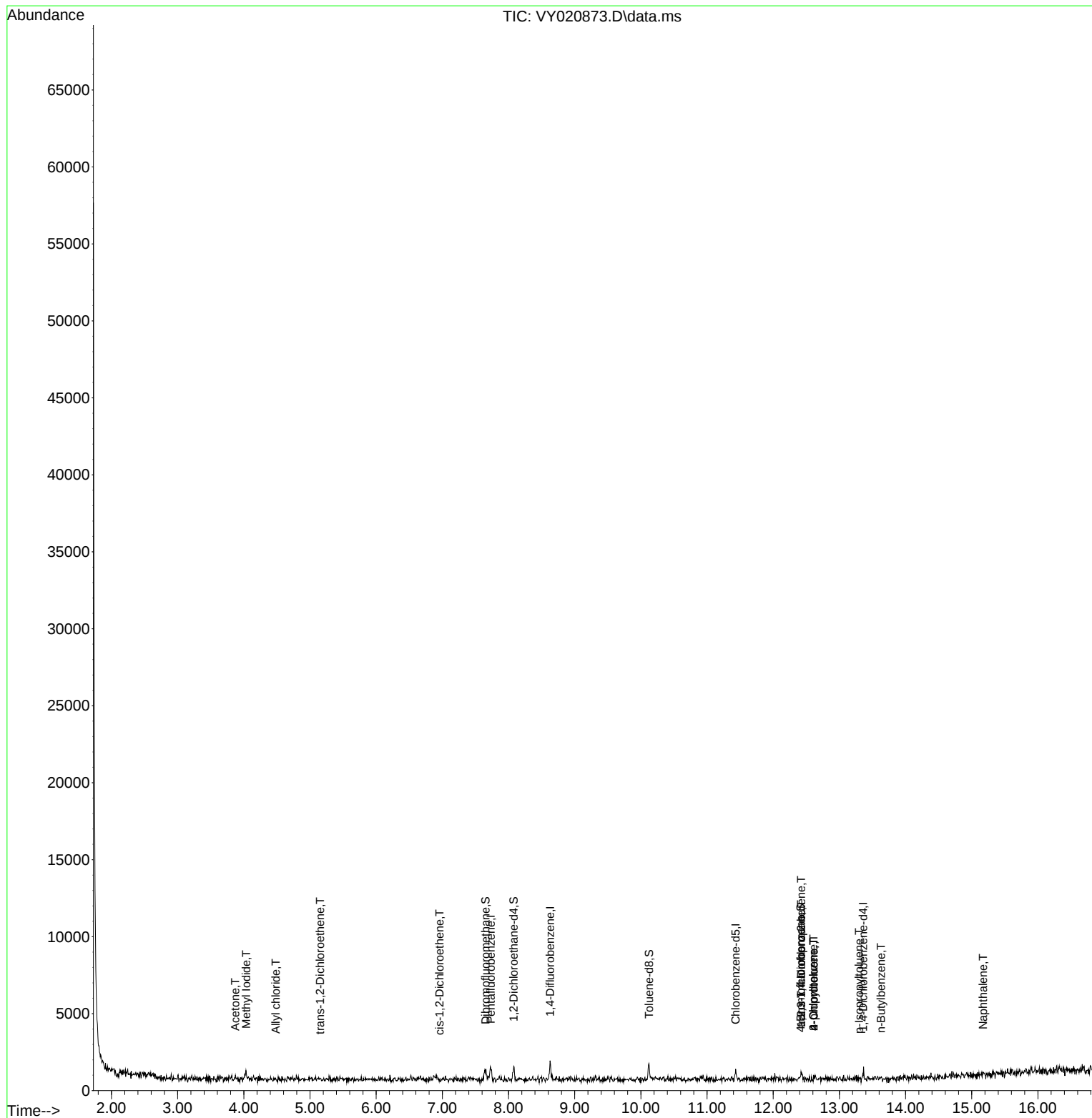
Internal Standards						
1) Pentafluorobenzene	7.732	168	941	50.000	ug/l	# 0.02
34) 1,4-Difluorobenzene	8.628	114	1345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.432	117	472	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	676	84.519	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 169.040%#	
35) Dibromofluoromethane	7.652	113	701	83.192	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 166.380%#	
50) Toluene-d8	10.121	98	971	33.056	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 66.120%	
62) 4-Bromofluorobenzene	12.414	95	178	16.409	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 32.820%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.037	142	467	52.014	ug/l #	57
14) Allyl chloride	4.482	41	25	2.361	ug/l #	68
16) Acetone	3.873	43	42	36.928	ug/l #	41
21) trans-1,2-Dichloroethene	5.153	96	61	7.549	ug/l #	1
27) cis-1,2-Dichloroethene	6.957	96	32	3.139	ug/l #	1
76) 1,2,3-Trichloropropane	12.420	75	50	28.572	ug/l #	100
78) n-propylbenzene	12.609	91	66	3.665	ug/l #	51
79) 2-Chlorotoluene	12.609	91	66	6.364	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.420	75	50	60.245	ug/l #	14
82) 4-Chlorotoluene	12.609	91	66	6.167	ug/l #	40
86) p-Isopropyltoluene	13.298	119	19	1.326	ug/l #	50
89) n-Butylbenzene	13.627	91	49	3.941	ug/l #	33
95) Naphthalene	15.169	128	58	9.853	ug/l #	69

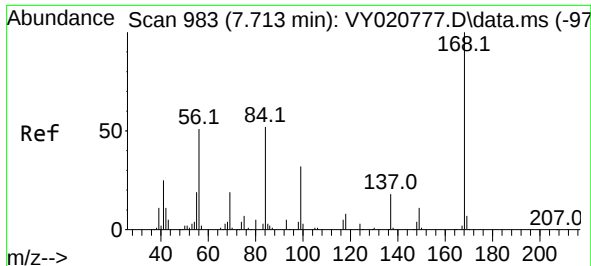
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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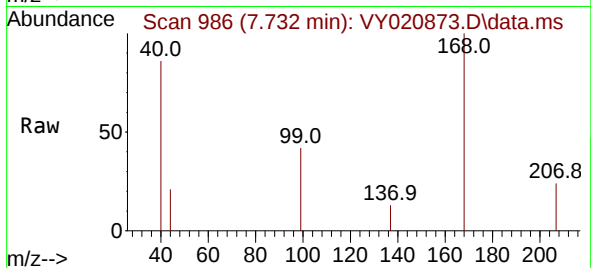
Quant Time: Jan 21 00:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 01:31:46 2025
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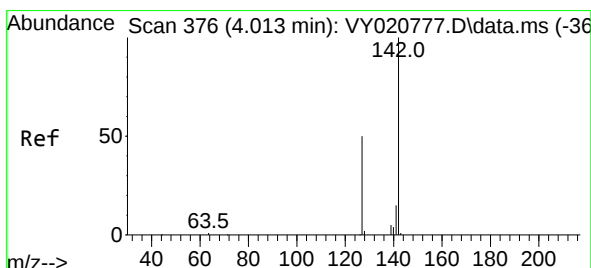
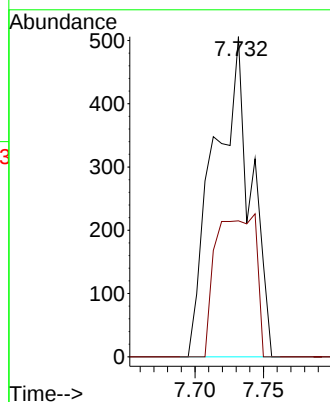
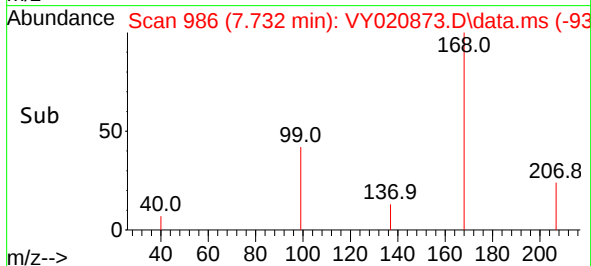


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.732 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY020873.D
Acq: 20 Jan 2025 11:53

Instrument :
MSVOA_Y
ClientSampleId :

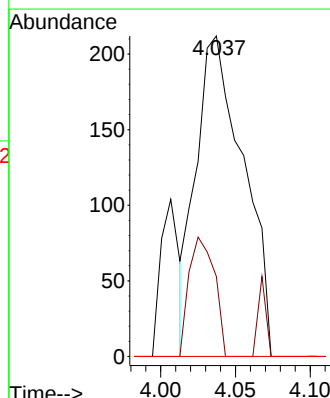
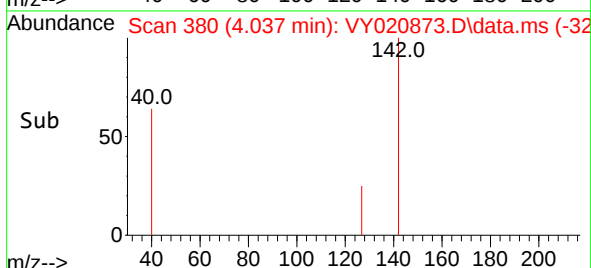
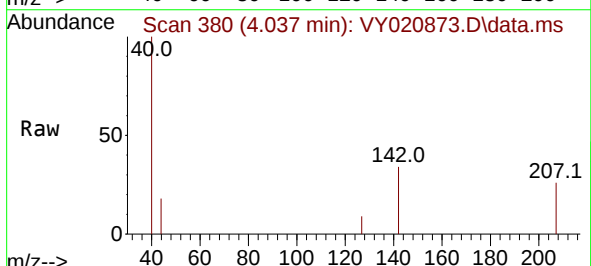


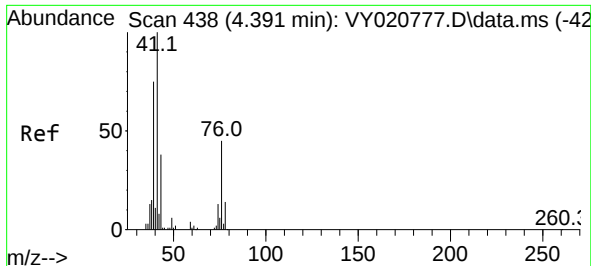
Tgt Ion:168 Resp: 941
Ion Ratio Lower Upper
168 100
99 42.5 44.3 66.5#



#10
Methyl Iodide
Concen: 52.014 ug/l
RT: 4.037 min Scan# 380
Delta R.T. 0.024 min
Lab File: VY020873.D
Acq: 20 Jan 2025 11:53

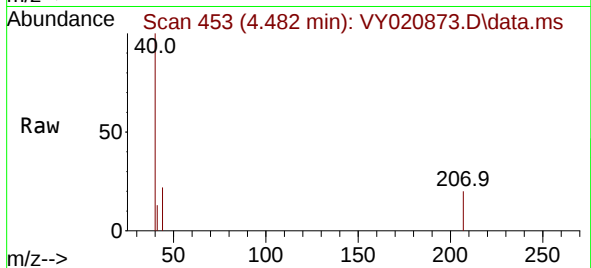
Tgt Ion:142 Resp: 467
Ion Ratio Lower Upper
142 100
127 20.1 41.0 61.6#
141 0.0 11.6 17.4#



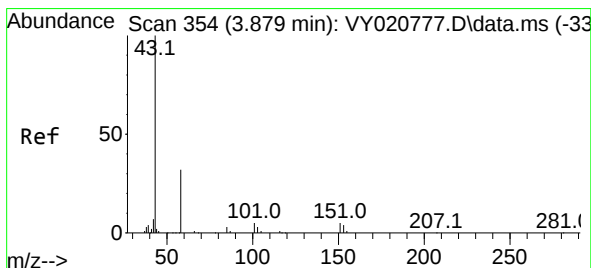
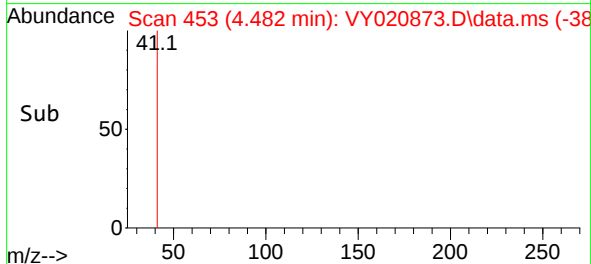
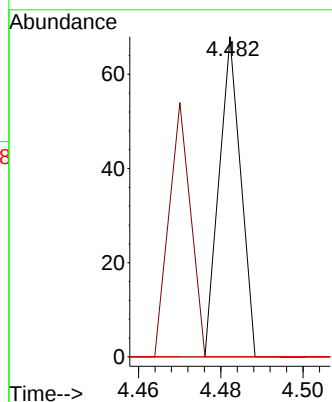


#14
 Allyl chloride
 Concen: 2.361 ug/l
 RT: 4.482 min Scan# 41
 Delta R.T. 0.091 min
 Lab File: VY020873.D
 Acq: 20 Jan 2025 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :

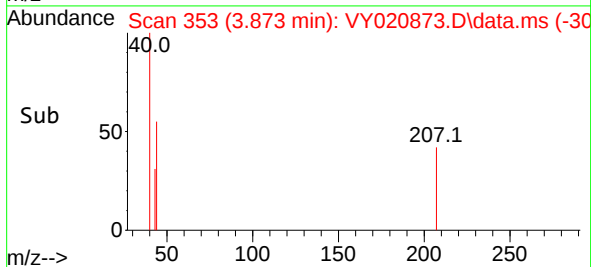
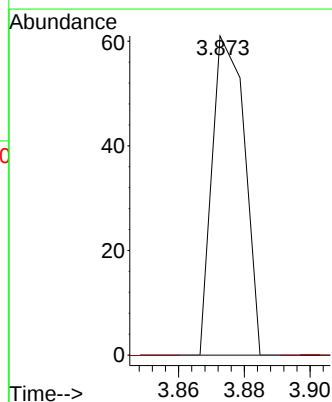
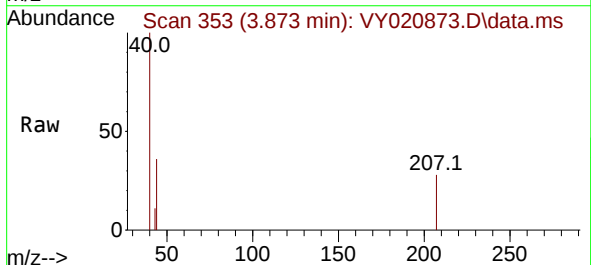


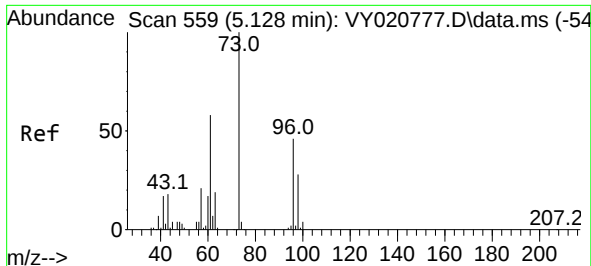
Tgt Ion: 41 Resp: 25
 Ion Ratio Lower Upper
 41 100
 39 80.0 57.5 86.3
 76 0.0 35.6 53.4#



#16
 Acetone
 Concen: 36.928 ug/l
 RT: 3.873 min Scan# 353
 Delta R.T. -0.006 min
 Lab File: VY020873.D
 Acq: 20 Jan 2025 11:53

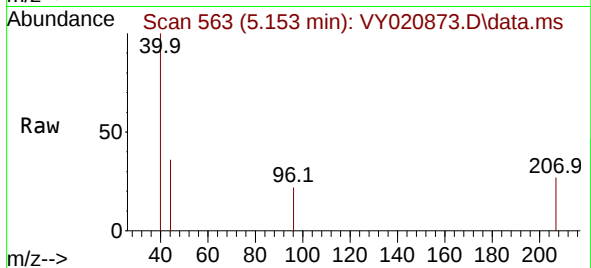
Tgt Ion: 43 Resp: 42
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.7 40.1#



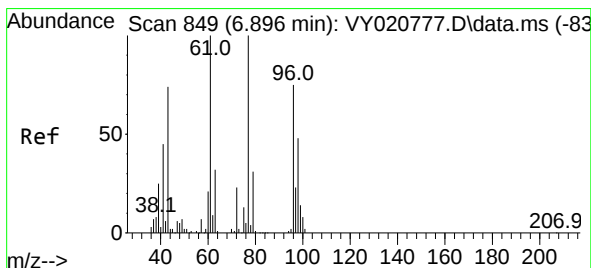
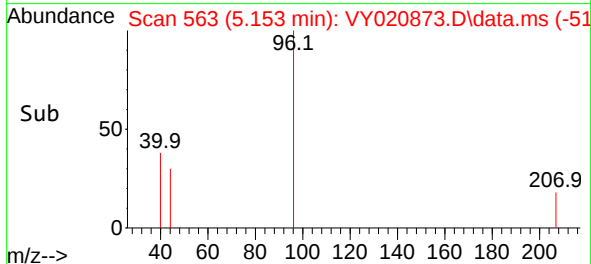
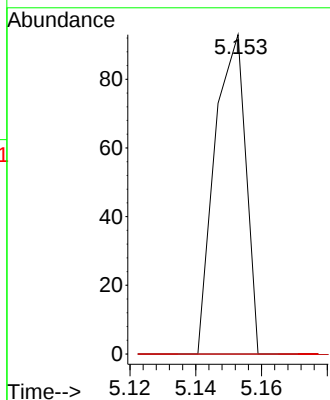


#21
trans-1,2-Dichloroethene
Concen: 7.549 ug/l
RT: 5.153 min Scan# 51
Delta R.T. 0.024 min
Lab File: VY020873.D
Acq: 20 Jan 2025 11:53

Instrument :
MSVOA_Y
ClientSampleId :

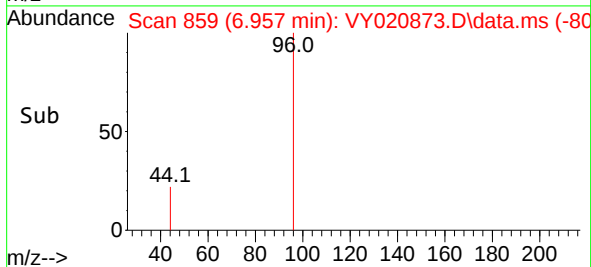
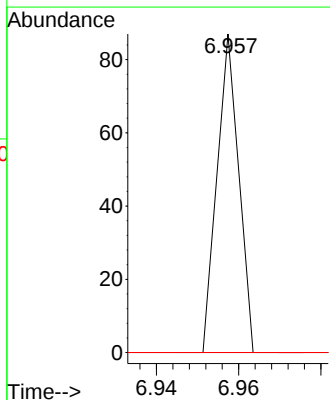
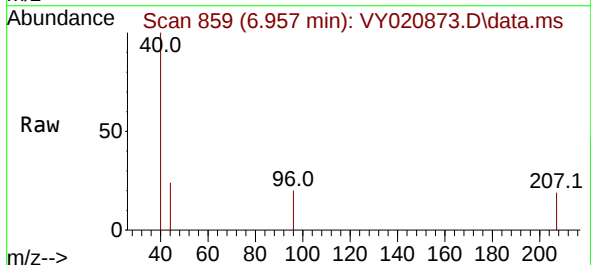


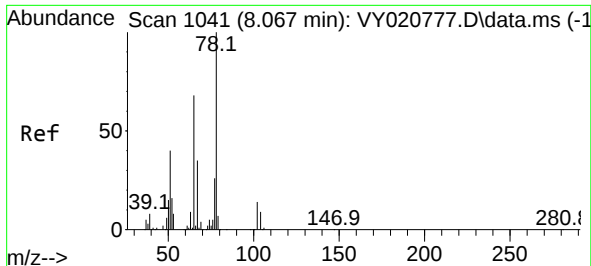
Tgt Ion: 96 Resp: 61
Ion Ratio Lower Upper
96 100
61 0.0 101.6 152.4#
98 0.0 49.4 74.2#



#27
cis-1,2-Dichloroethene
Concen: 3.139 ug/l
RT: 6.957 min Scan# 859
Delta R.T. 0.061 min
Lab File: VY020873.D
Acq: 20 Jan 2025 11:53

Tgt Ion: 96 Resp: 32
Ion Ratio Lower Upper
96 100
61 0.0 0.0 271.4
98 0.0 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 84.519 ug/l

RT: 8.079 min Scan# 1104

Delta R.T. 0.012 min

Lab File: VY020873.D

Acq: 20 Jan 2025 11:53

Instrument :

MSVOA_Y

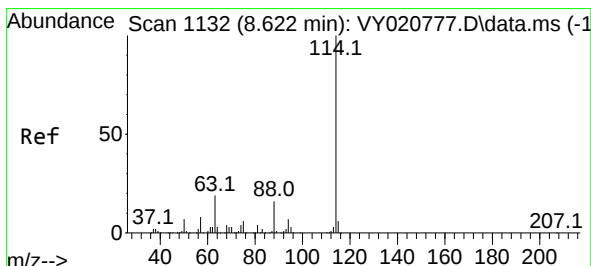
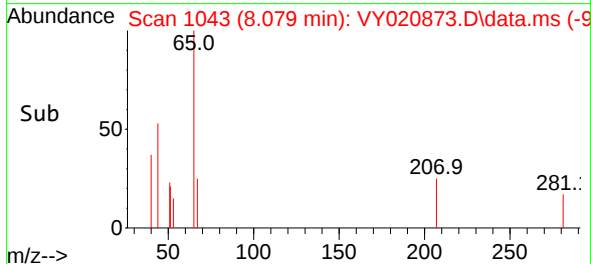
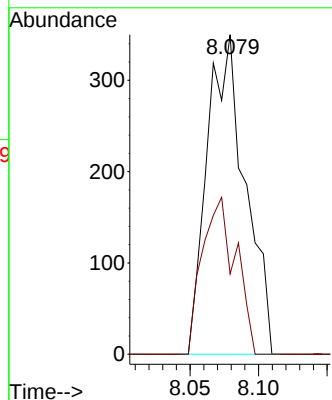
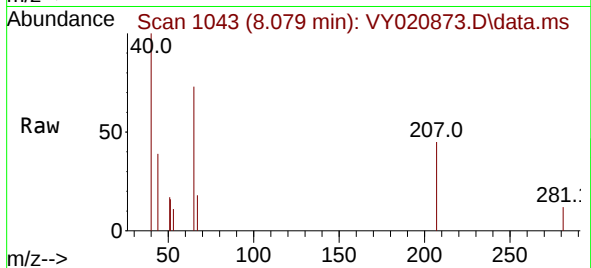
ClientSampleId :

Tgt Ion: 65 Resp: 676

Ion Ratio Lower Upper

65 100

67 43.2 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY020873.D

Acq: 20 Jan 2025 11:53

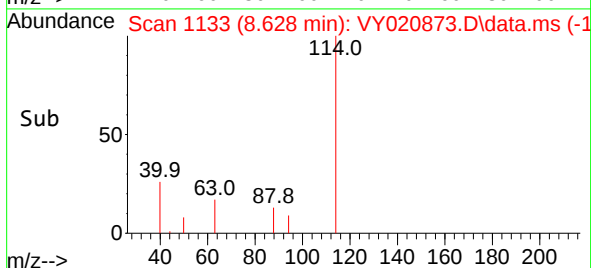
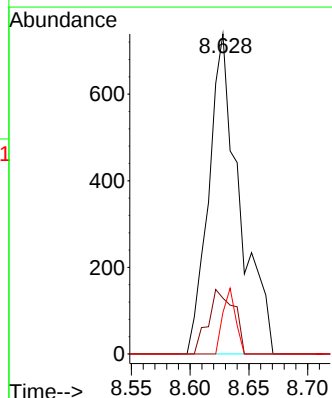
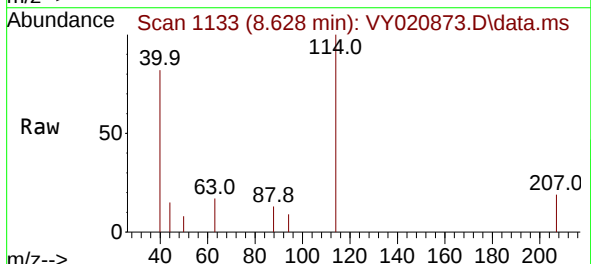
Tgt Ion: 114 Resp: 1345

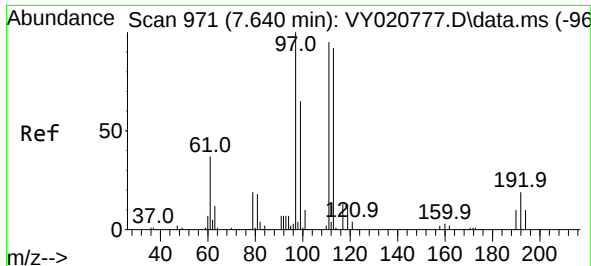
Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

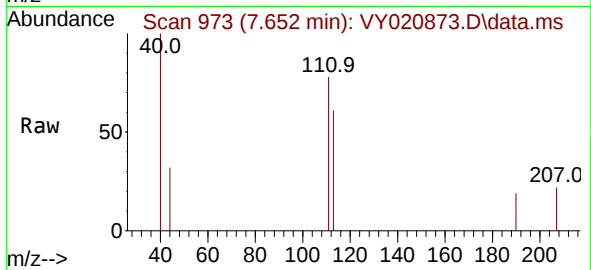
88 13.0 0.0 31.2



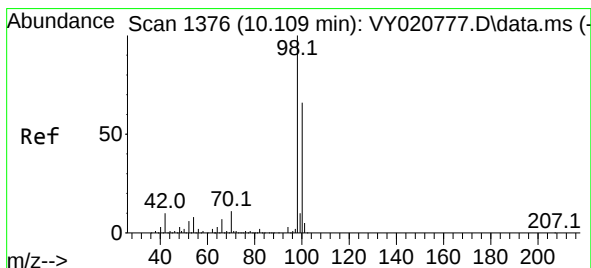
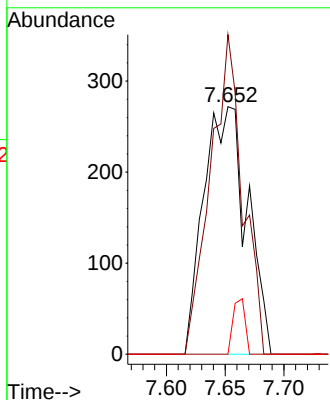
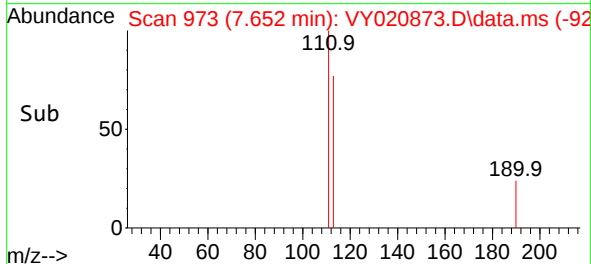


#35
Dibromofluoromethane
Concen: 83.192 ug/l
RT: 7.652 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY020873.D
Acq: 20 Jan 2025 11:53

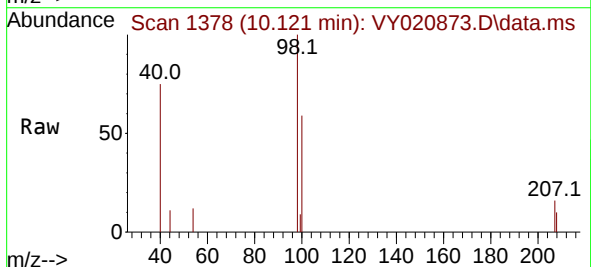
Instrument :
MSVOA_Y
ClientSampleId :



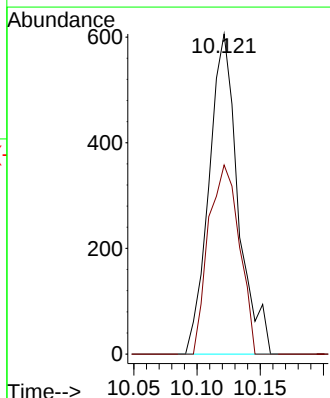
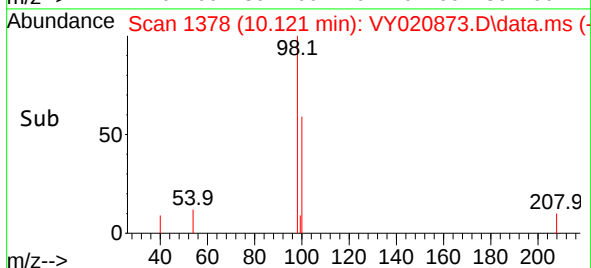
Tgt Ion:113 Resp: 701
Ion Ratio Lower Upper
113 100
111 96.0 81.7 122.5
192 6.1 16.7 25.1#

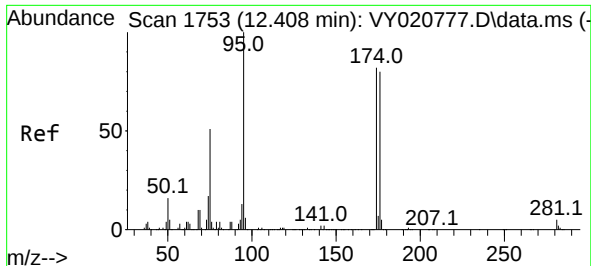


#50
Toluene-d8
Concen: 33.056 ug/l
RT: 10.121 min Scan# 1378
Delta R.T. 0.012 min
Lab File: VY020873.D
Acq: 20 Jan 2025 11:53



Tgt Ion: 98 Resp: 971
Ion Ratio Lower Upper
98 100
100 62.5 52.5 78.7

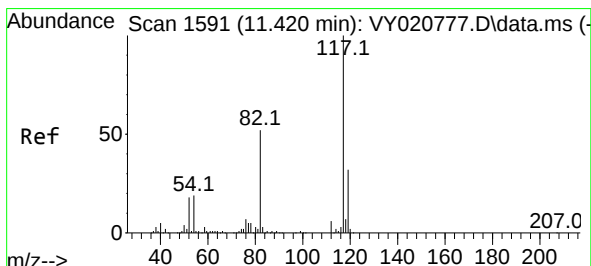
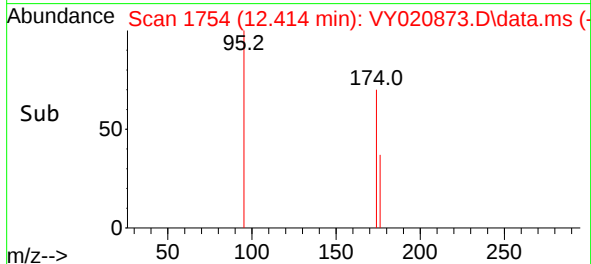
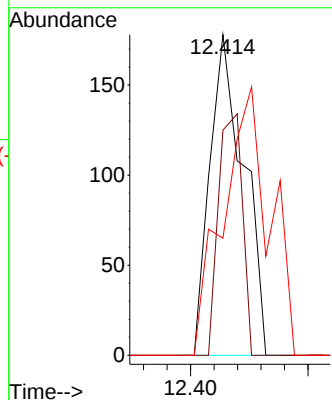
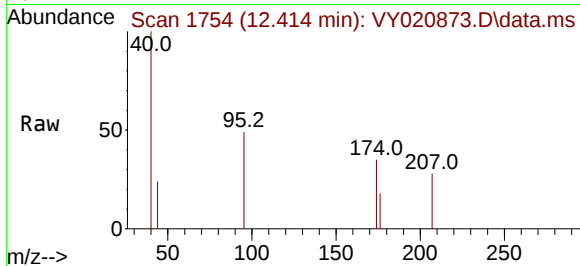




#62
4-Bromofluorobenzene
Concen: 16.409 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020873.D
Acq: 20 Jan 2025 11:53

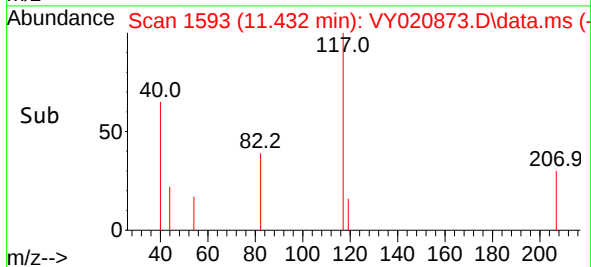
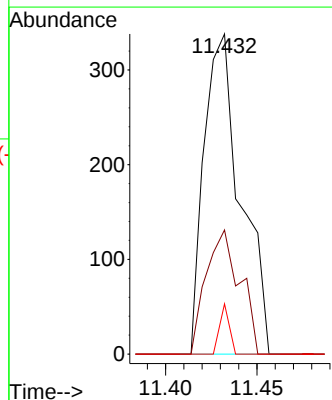
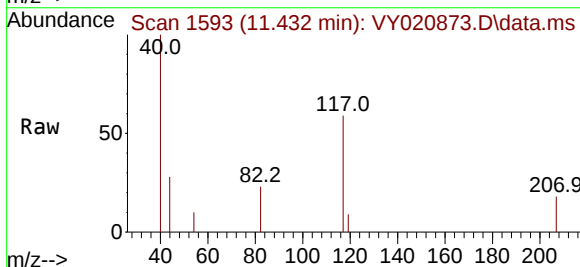
Instrument :
MSVOA_Y
ClientSampleId :

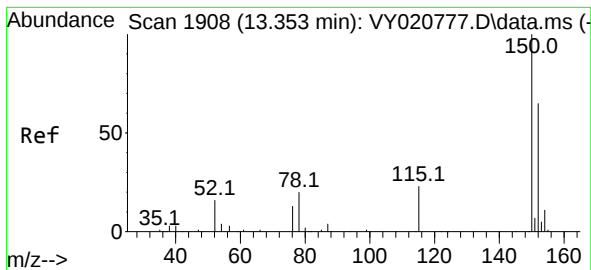
Tgt Ion: 95	Resp:	178
Ion Ratio	Lower	Upper
95	100	
174	53.4	0.0 178.0
176	114.0	0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.432 min Scan# 1593
Delta R.T. 0.012 min
Lab File: VY020873.D
Acq: 20 Jan 2025 11:53

Tgt Ion: 117	Resp:	472
Ion Ratio	Lower	Upper
117	100	
82	38.8	41.8 62.6#
119	15.7	25.8 38.8#

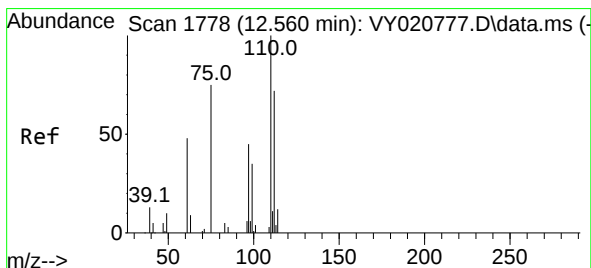
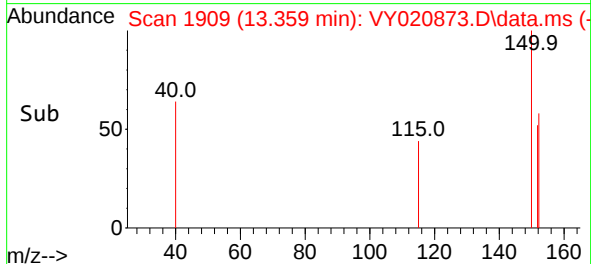
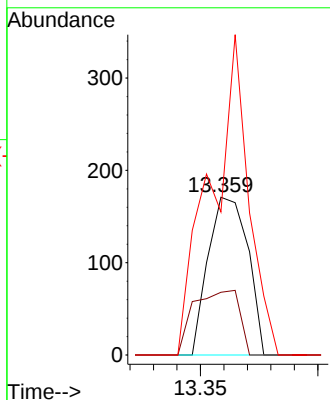
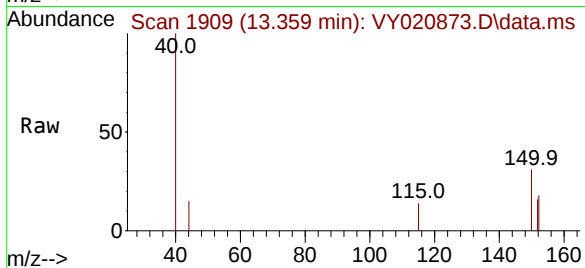




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.359 min Scan# 1909
 Delta R.T. 0.006 min
 Lab File: VY020873.D
 Acq: 20 Jan 2025 11:53

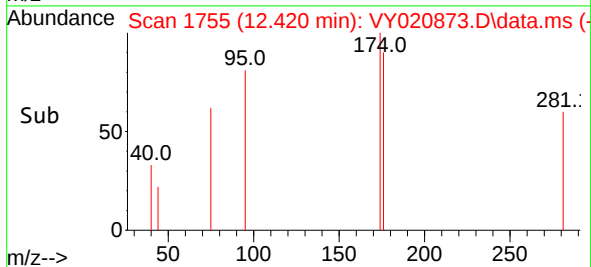
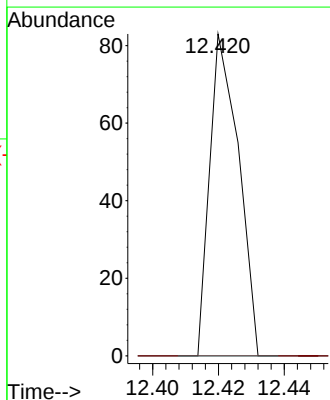
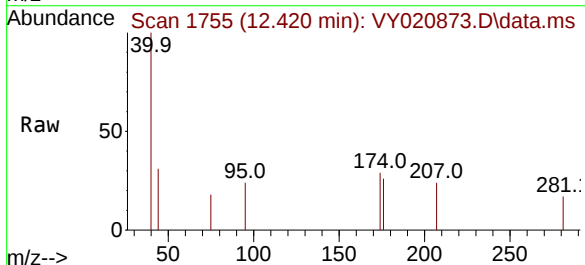
Instrument :
 MSVOA_Y
 ClientSampleId :

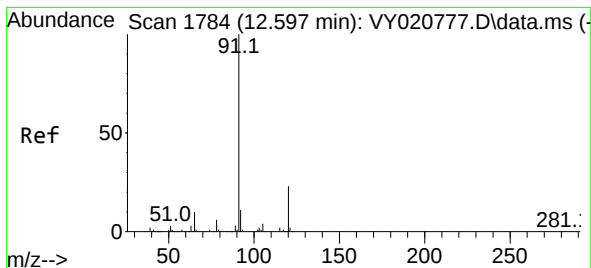
Tgt Ion:152 Resp: 200
 Ion Ratio Lower Upper
 152 100
 115 47.0 29.0 87.0
 150 192.0 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 28.572 ug/l
 RT: 12.420 min Scan# 1755
 Delta R.T. -0.140 min
 Lab File: VY020873.D
 Acq: 20 Jan 2025 11:53

Tgt Ion: 75 Resp: 50
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#78

n-propylbenzene

Concen: 3.665 ug/l

RT: 12.609 min Scan# 1786

Delta R.T. 0.012 min

Lab File: VY020873.D

Acq: 20 Jan 2025 11:53

Instrument :

MSVOA_Y

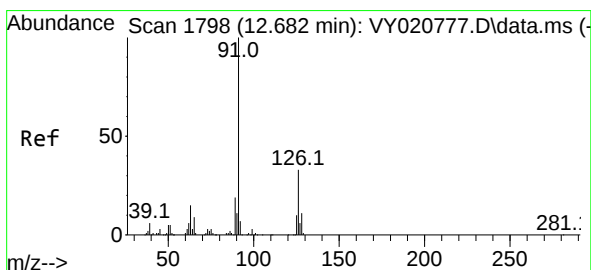
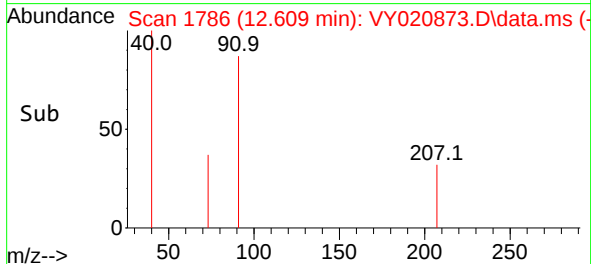
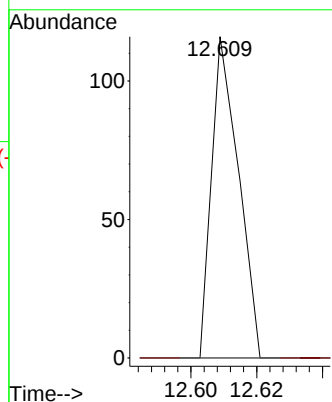
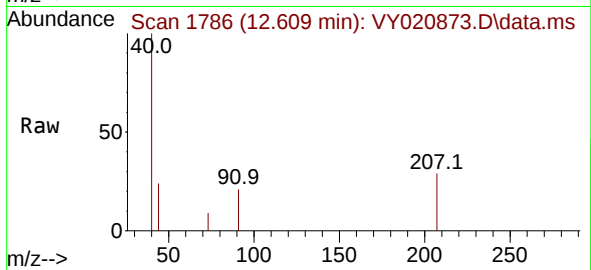
ClientSampleId :

Tgt Ion: 91 Resp: 66

Ion Ratio Lower Upper

91 100

120 0.0 12.0 36.1#



#79

2-Chlorotoluene

Concen: 6.364 ug/l

RT: 12.609 min Scan# 1786

Delta R.T. -0.073 min

Lab File: VY020873.D

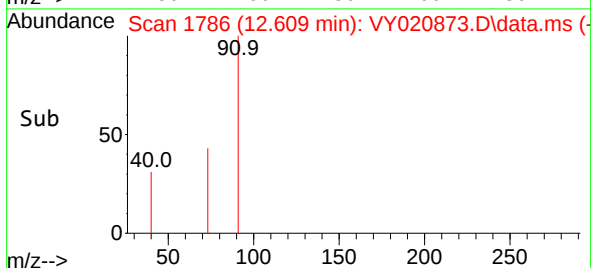
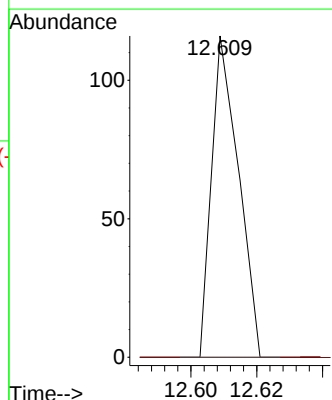
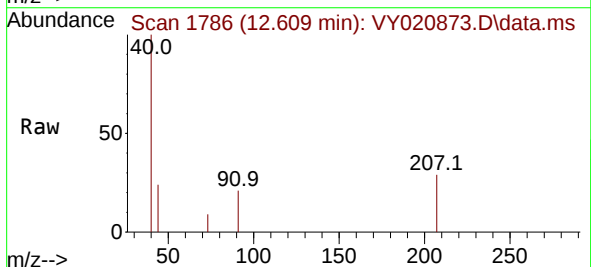
Acq: 20 Jan 2025 11:53

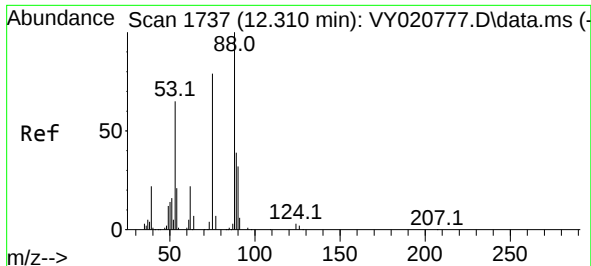
Tgt Ion: 91 Resp: 66

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.6#

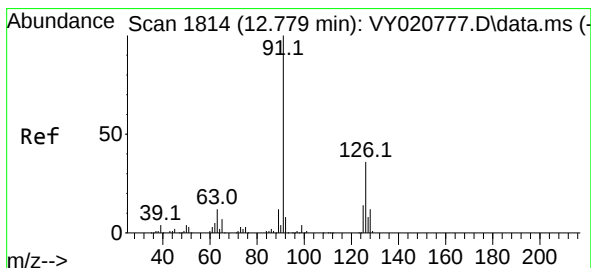
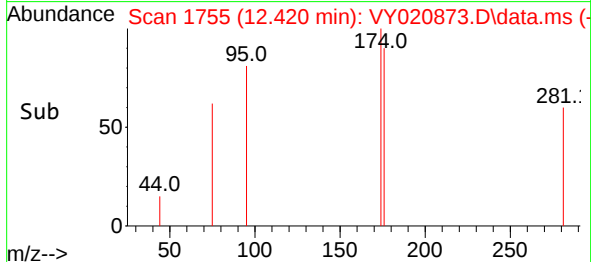
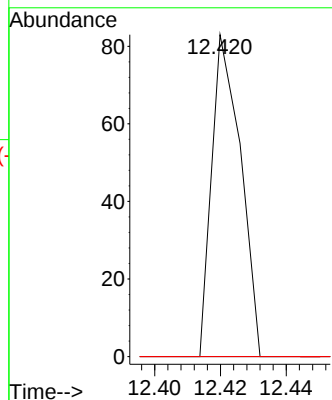
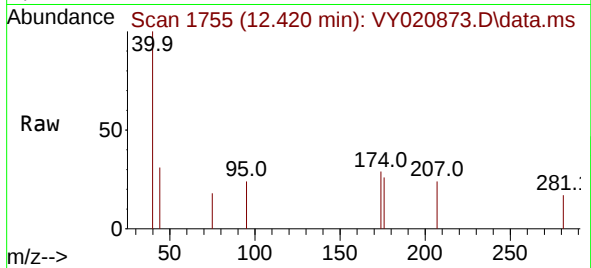




#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.245 ug/l
 RT: 12.420 min Scan# 1755
 Delta R.T. 0.110 min
 Lab File: VY020873.D
 Acq: 20 Jan 2025 11:53

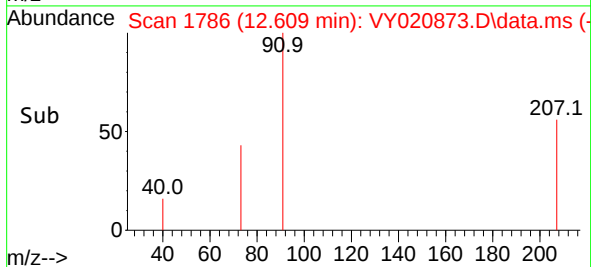
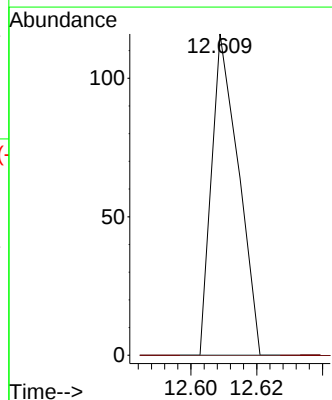
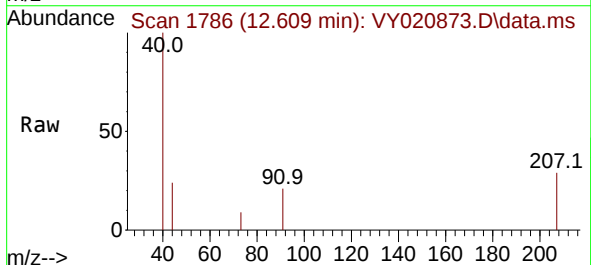
Instrument :
 MSVOA_Y
 ClientSampleId :

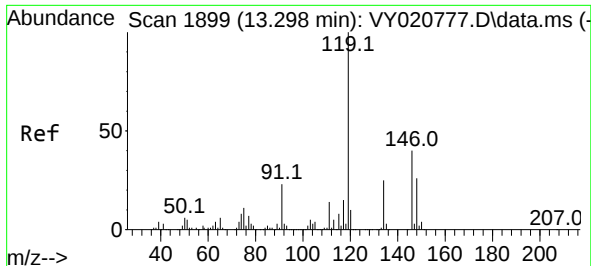
Tgt Ion: 75 Resp: 50
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.0#
 89 0.0 39.6 59.4#



#82
 4-Chlorotoluene
 Concen: 6.167 ug/l
 RT: 12.609 min Scan# 1786
 Delta R.T. -0.171 min
 Lab File: VY020873.D
 Acq: 20 Jan 2025 11:53

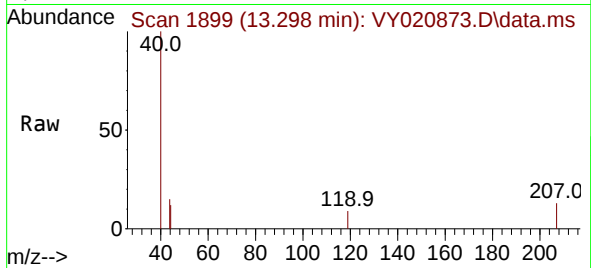
Tgt Ion: 91 Resp: 66
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.3 51.7#



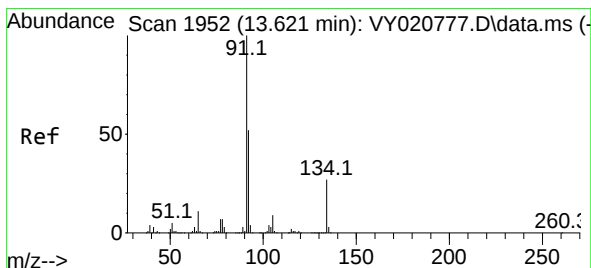
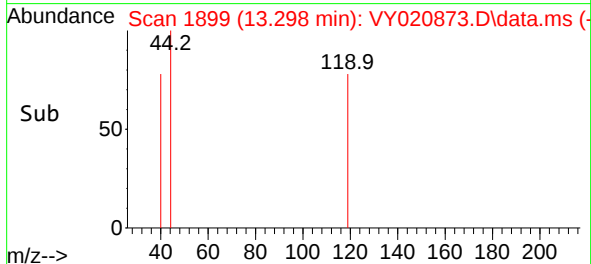
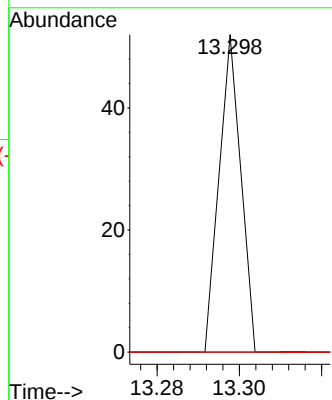


#86
p-Isopropyltoluene
Concen: 1.326 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020873.D
Acq: 20 Jan 2025 11:53

Instrument :
MSVOA_Y
ClientSampleId :

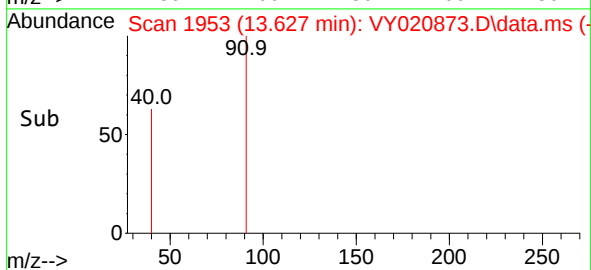
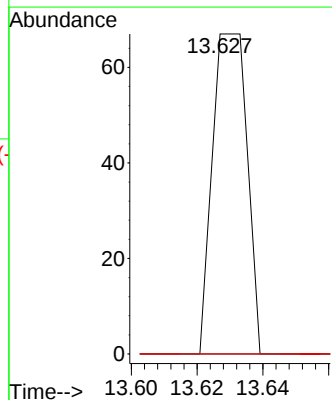
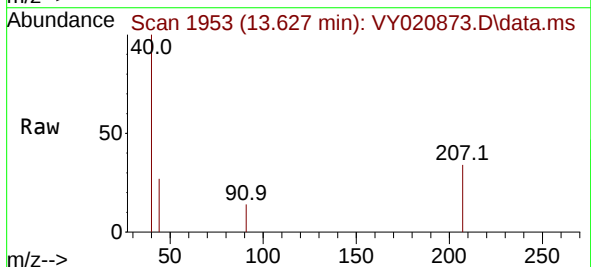


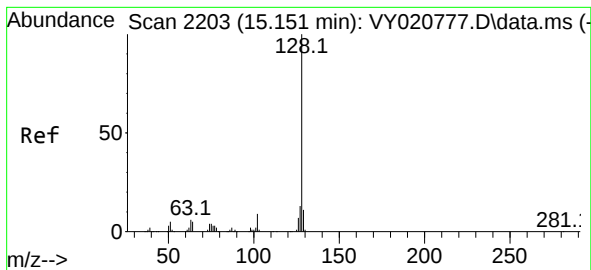
Tgt Ion:119 Resp: 19
Ion Ratio Lower Upper
119 100
134 0.0 13.0 38.9#
91 0.0 11.8 35.3#



#89
n-Butylbenzene
Concen: 3.941 ug/l
RT: 13.627 min Scan# 1953
Delta R.T. 0.006 min
Lab File: VY020873.D
Acq: 20 Jan 2025 11:53

Tgt Ion: 91 Resp: 49
Ion Ratio Lower Upper
91 100
92 0.0 26.5 79.4#
134 0.0 13.8 41.4#





#95

Naphthalene

Concen: 9.853 ug/l

RT: 15.169 min Scan# 21

Delta R.T. 0.018 min

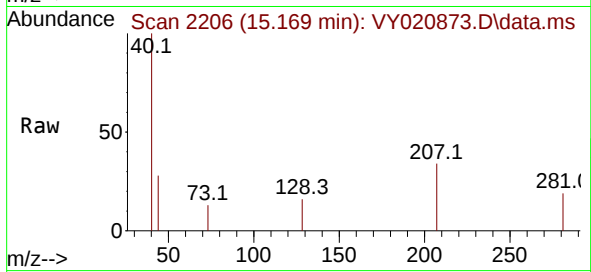
Lab File: VY020873.D

Acq: 20 Jan 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 58

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

