

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
 Data File : VY021004.D
 Acq On : 31 Jan 2025 12:54
 Operator : SY/MD
 Sample : Q1244-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 22:23:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 16:50:06 2025
 Response via : Initial Calibration

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

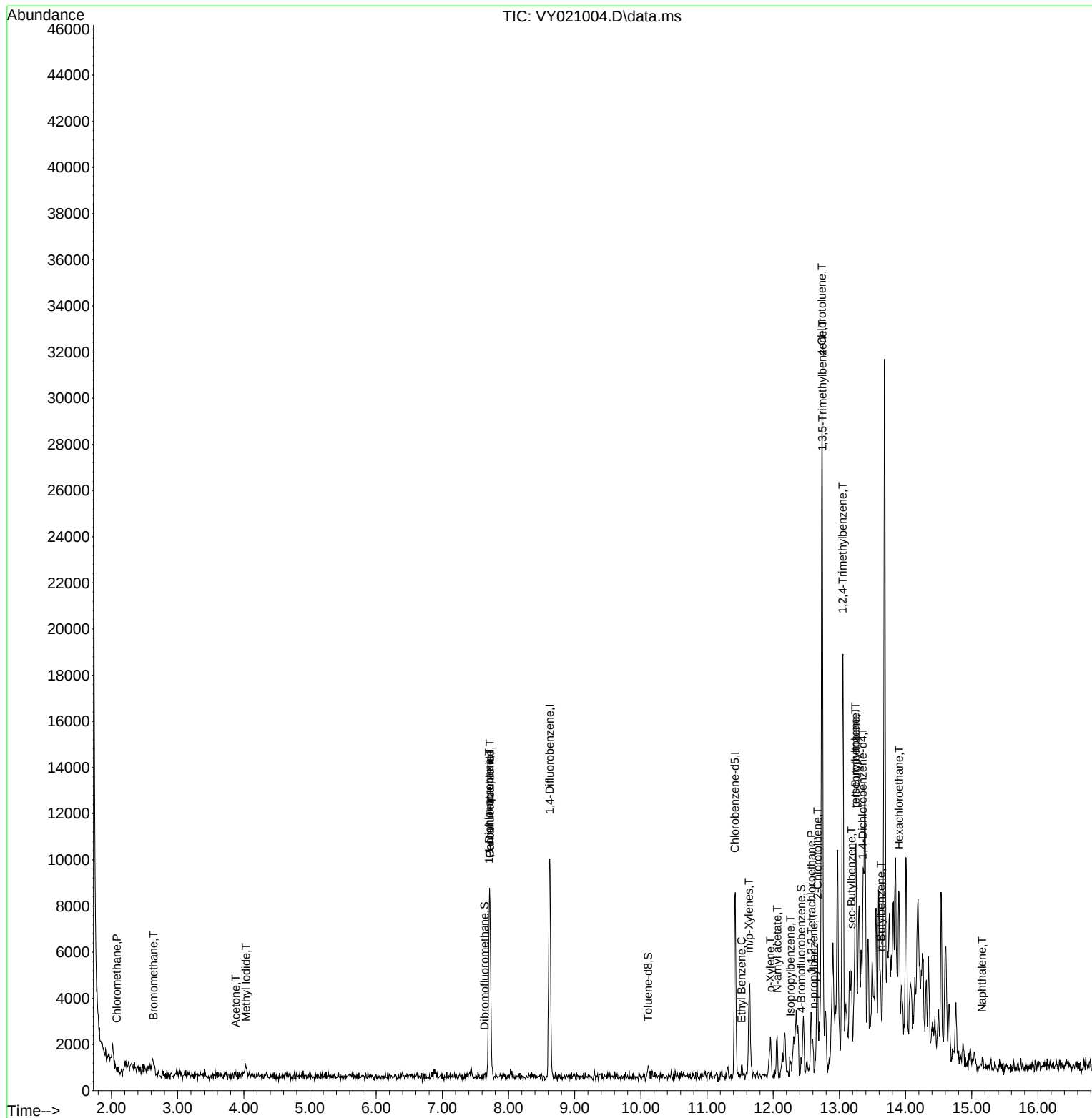
Internal Standards						
1) Pentafluorobenzene	7.719	168	7426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	9306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	5336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	25	0.395	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.800%#
35) Dibromofluoromethane	7.640	113	59	1.055	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	2.100%#
50) Toluene-d8	10.109	98	418	1.914	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	3.820%#
62) 4-Bromofluorobenzene	12.420	95	166	2.266	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	4.540%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.080	50	112	2.790	ug/l #	42
5) Bromomethane	2.635	94	315	11.242	ug/l #	41
10) Methyl Iodide	4.031	142	714	9.276	ug/l #	75
16) Acetone	3.879	43	64	7.427	ug/l #	39
36) 1,1-Dichloropropene	7.707	75	533	6.678	ug/l #	41
38) Carbon Tetrachloride	7.719	117	581	5.882	ug/l #	13
67) Ethyl Benzene	11.524	91	518	2.661	ug/l #	65
68) m/p-Xylenes	11.633	106	782	10.456	ug/l	79
69) o-Xylene	11.956	106	566	8.141	ug/l	87
73) Isopropylbenzene	12.261	105	552	7.907	ug/l #	48
74) N-amyl acetate	12.060	43	418	32.882	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.578	83	228	20.233	ug/l #	26
78) n-propylbenzene	12.609	91	1027	12.552	ug/l	95
79) 2-Chlorotoluene	12.670	91	595	12.764	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.743	105	2964	51.824	ug/l	99
82) 4-Chlorotoluene	12.737	91	493	10.333	ug/l #	40
83) tert-Butylbenzene	13.243	119	1618	30.502	ug/l	73
84) 1,2,4-Trimethylbenzene	13.048	105	9349	167.338	ug/l	99
85) sec-Butylbenzene	13.182	105	1418	18.882	ug/l	83
86) p-Isopropyltoluene	13.243	119	1618	25.637	ug/l	89
89) n-Butylbenzene	13.627	91	579	10.243	ug/l #	63
90) Hexachloroethane	13.901	117	362	28.352	ug/l #	7
95) Naphthalene	15.157	128	113	7.448	ug/l #	69

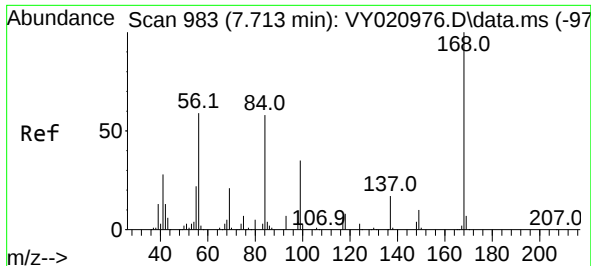
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
Data File : VY021004.D
Acq On : 31 Jan 2025 12:54
Operator : SY/MD
Sample : Q1244-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Jan 31 22:23:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 31 16:50:06 2025
Response via : Initial Calibration

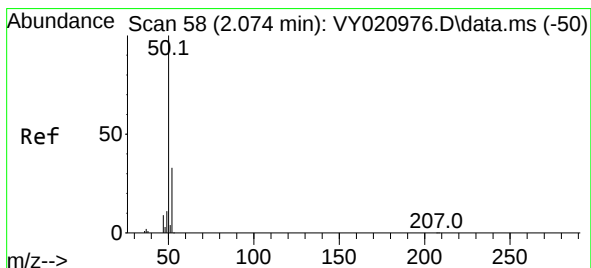
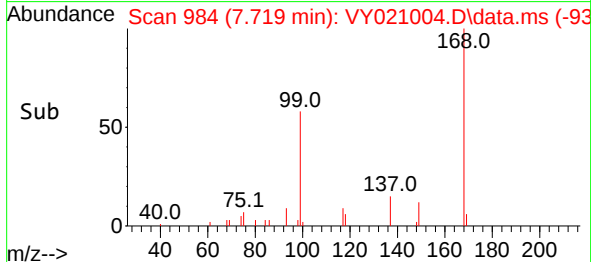
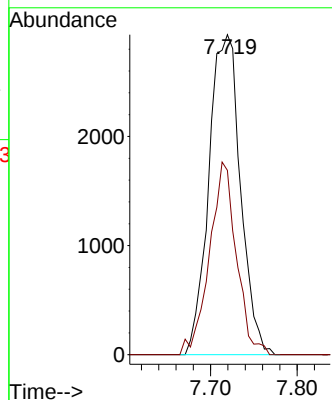
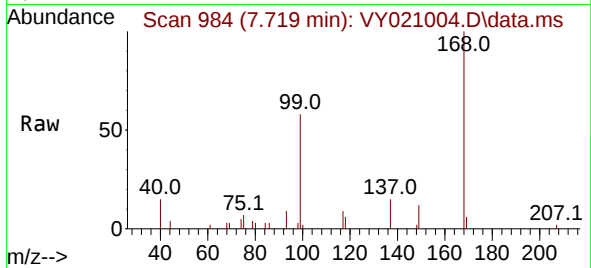




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

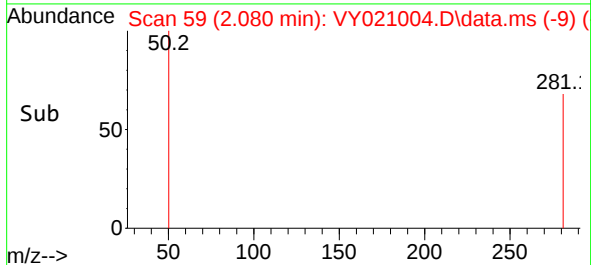
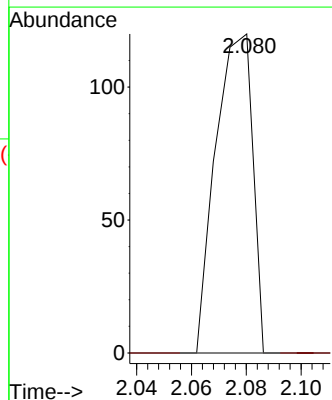
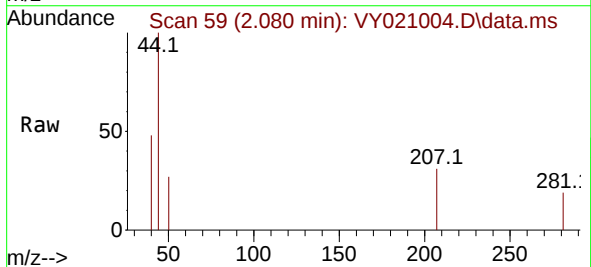
Instrument :
MSVOA_Y
ClientSampleId :

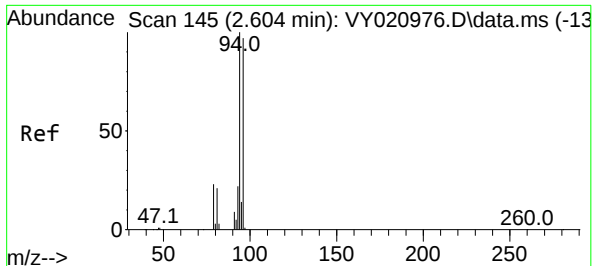
Tgt Ion:168 Resp: 7426
Ion Ratio Lower Upper
168 100
99 57.6 42.2 63.2



#3
Chloromethane
Concen: 2.790 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.006 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Tgt Ion: 50 Resp: 112
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

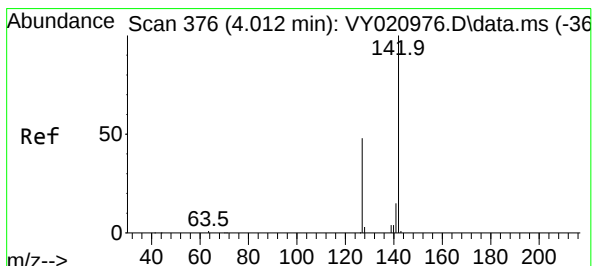
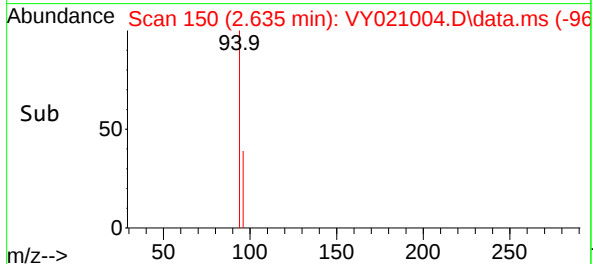
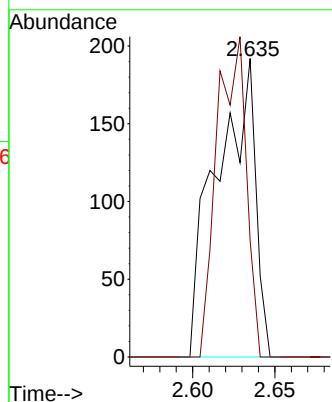
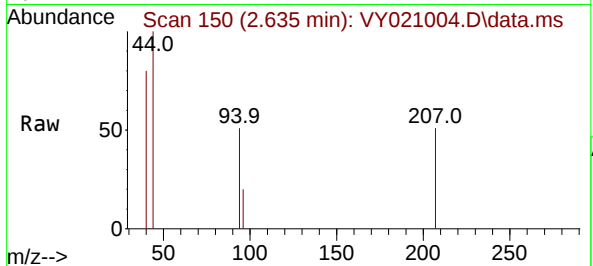




#5
Bromomethane
Concen: 11.242 ug/l
RT: 2.635 min Scan# 11
Delta R.T. 0.031 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

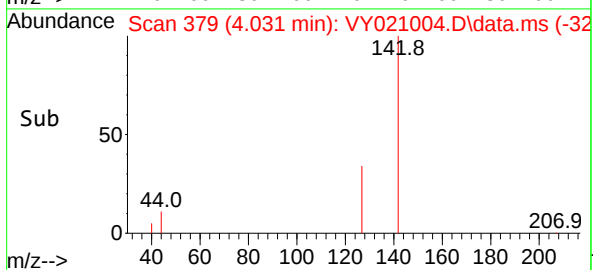
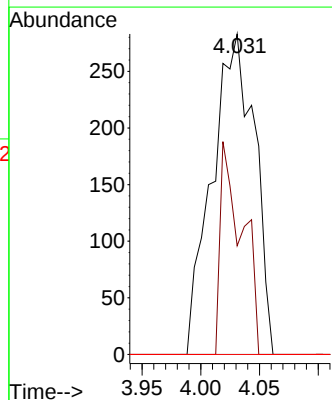
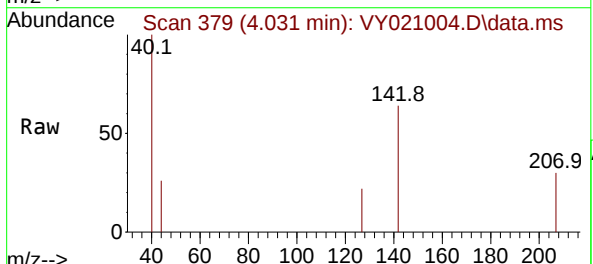
Instrument :
MSVOA_Y
ClientSampleId :

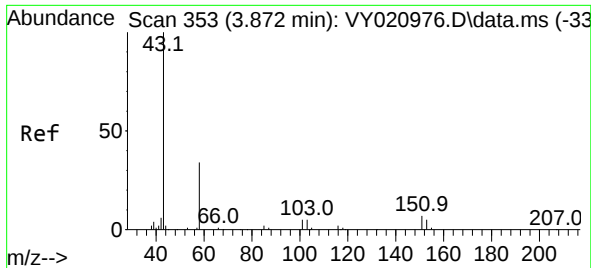
Tgt Ion: 94 Resp: 315
Ion Ratio Lower Upper
94 100
96 39.1 77.4 116.0#



#10
Methyl Iodide
Concen: 9.276 ug/l
RT: 4.031 min Scan# 379
Delta R.T. 0.019 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Tgt Ion:142 Resp: 714
Ion Ratio Lower Upper
142 100
127 34.0 38.9 58.3#
141 0.0 11.7 17.5#

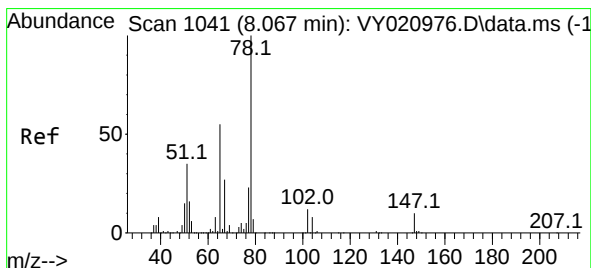
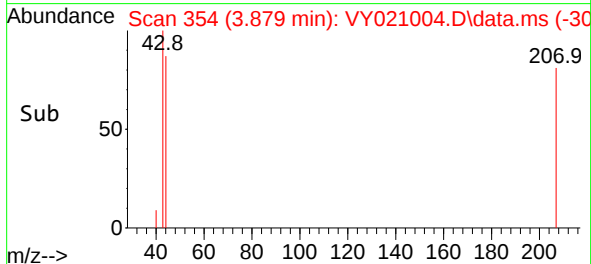
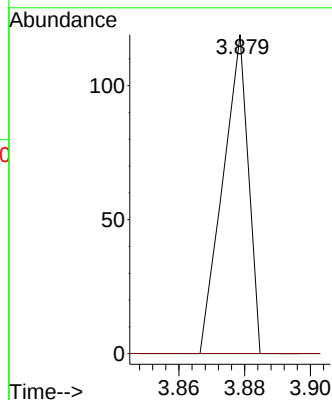
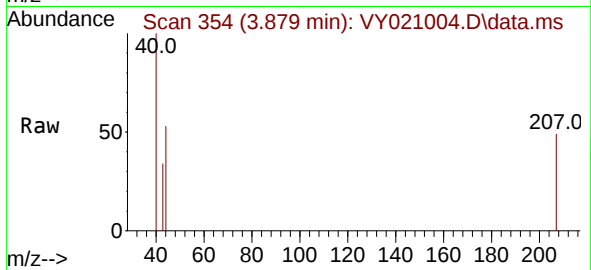




#16
Acetone
Concen: 7.427 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

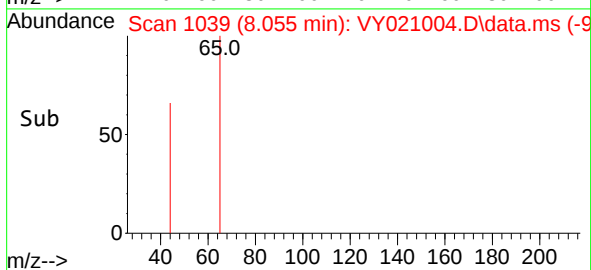
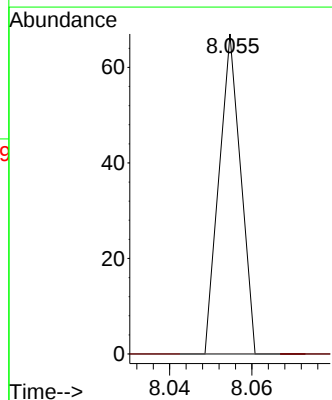
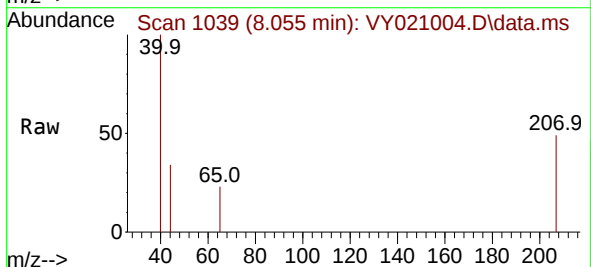
Instrument :
MSVOA_Y
ClientSampleId :

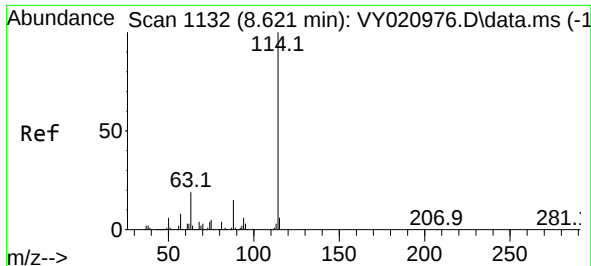
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6#



#33
1,2-Dichloroethane-d4
Concen: 0.395 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Tgt Ion: 65 Resp: 25
Ion Ratio Lower Upper
65 100
67 0.0 0.0 104.4

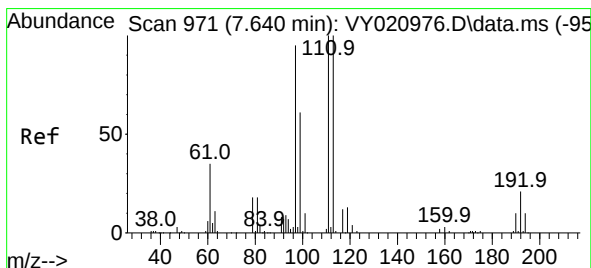
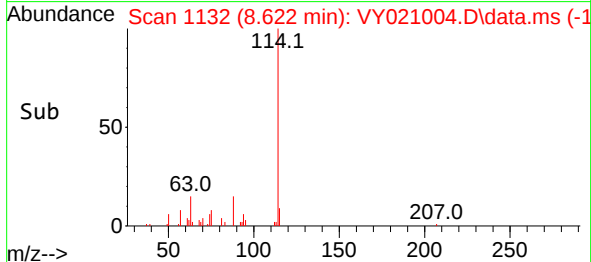
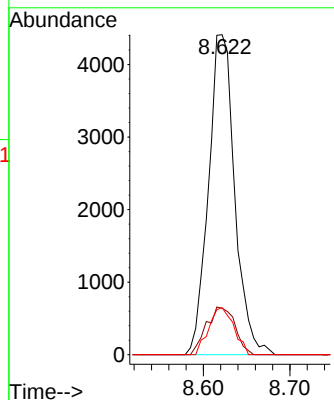
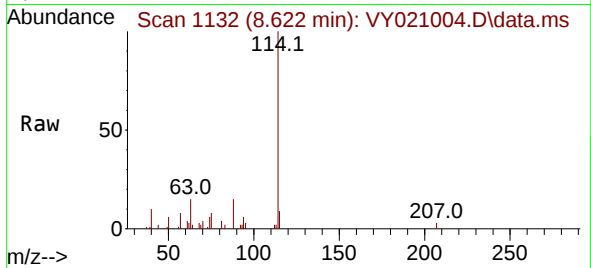




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

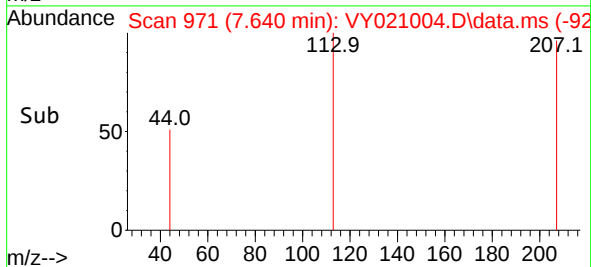
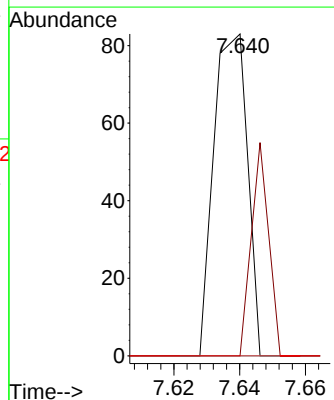
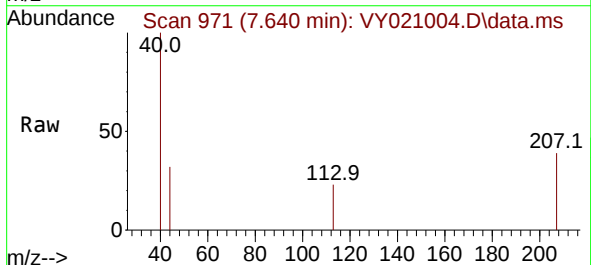
Instrument :
MSVOA_Y
ClientSampleId :

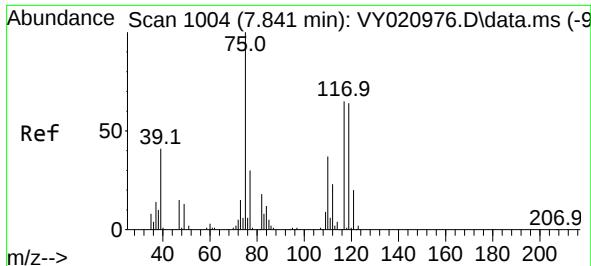
Tgt Ion:114 Resp: 9306
Ion Ratio Lower Upper
114 100
63 14.5 0.0 37.2
88 14.7 0.0 29.6



#35
Dibromofluoromethane
Concen: 1.055 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

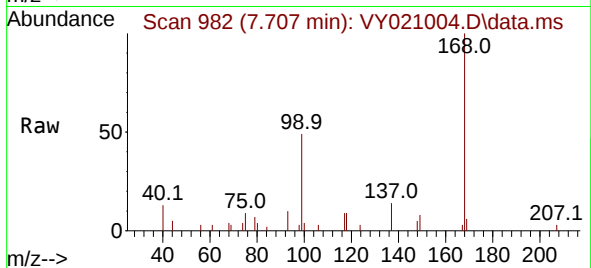
Tgt Ion:113 Resp: 59
Ion Ratio Lower Upper
113 100
111 33.9 82.6 123.8#
192 0.0 16.8 25.2#



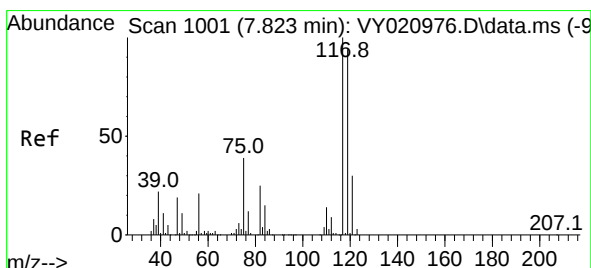
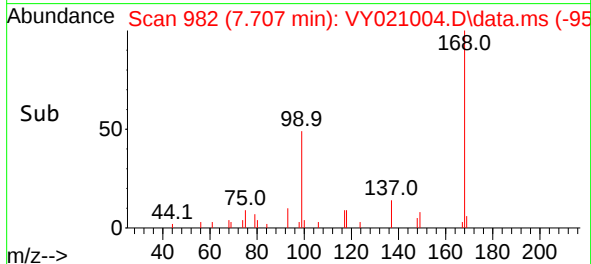
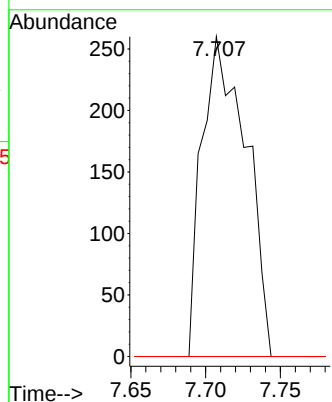


#36
1,1-Dichloropropene
Concen: 6.678 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :

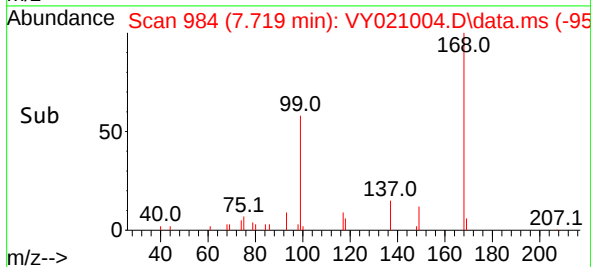
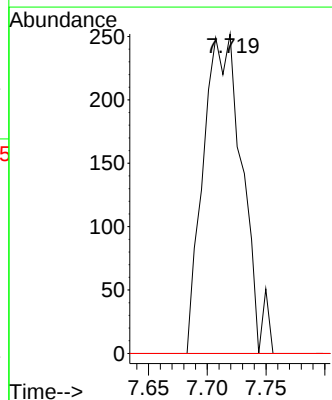
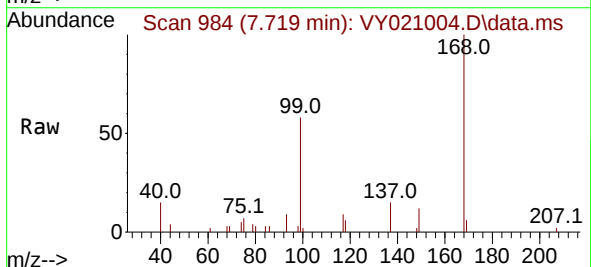


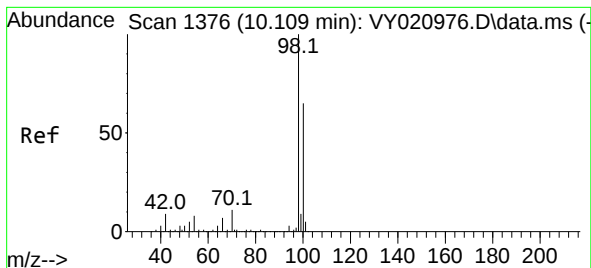
Tgt Ion: 75 Resp: 533
Ion Ratio Lower Upper
75 100
110 0.0 18.4 55.2#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.103 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Tgt Ion: 117 Resp: 581
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.6#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 1.914 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

Instrument :

MSVOA_Y

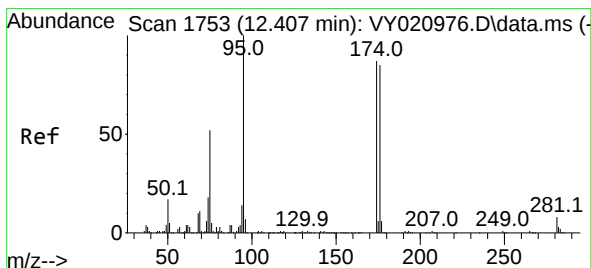
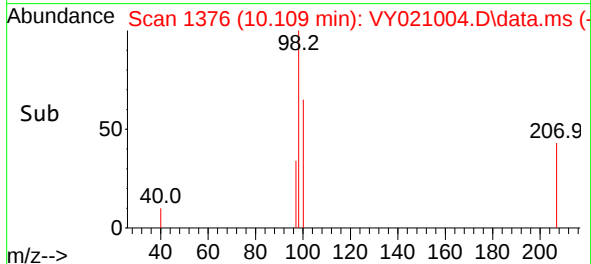
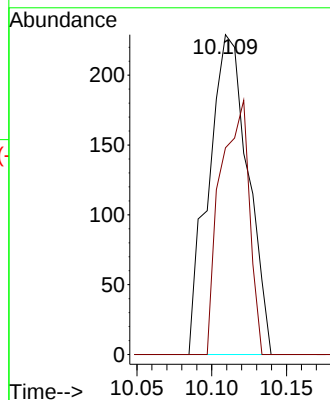
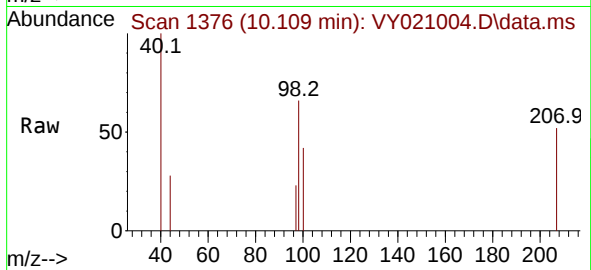
ClientSampleId :

Tgt Ion: 98 Resp: 418

Ion Ratio Lower Upper

98 100

100 58.4 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 2.266 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. 0.012 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

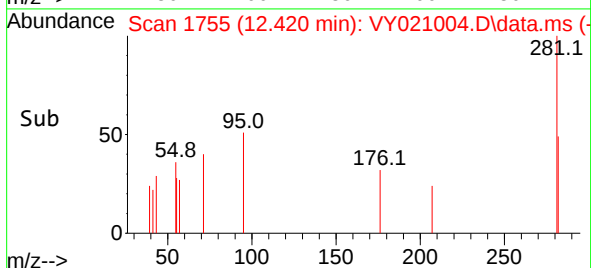
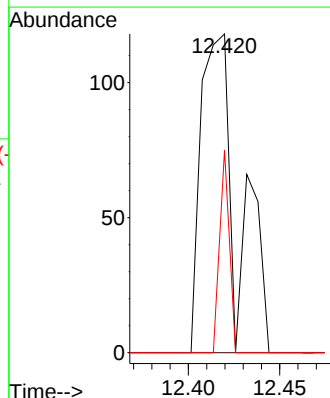
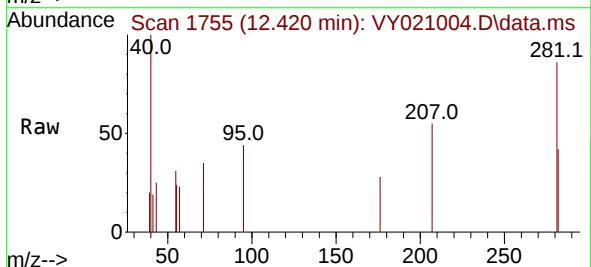
Tgt Ion: 95 Resp: 166

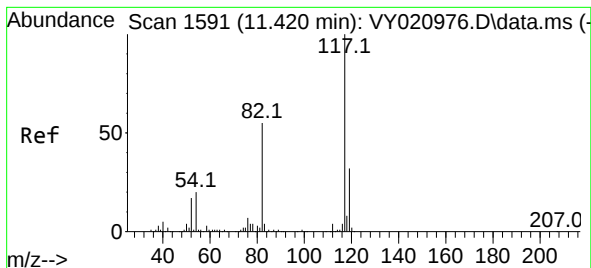
Ion Ratio Lower Upper

95 100

174 0.0 0.0 181.2

176 16.3 0.0 175.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

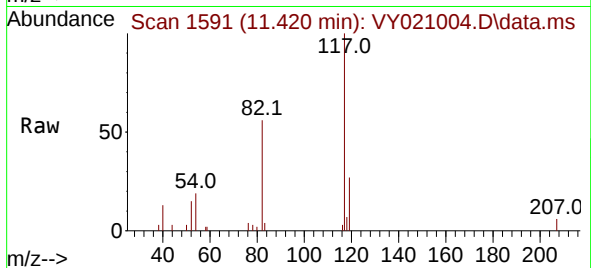
Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

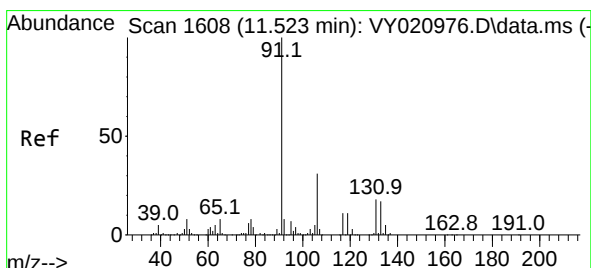
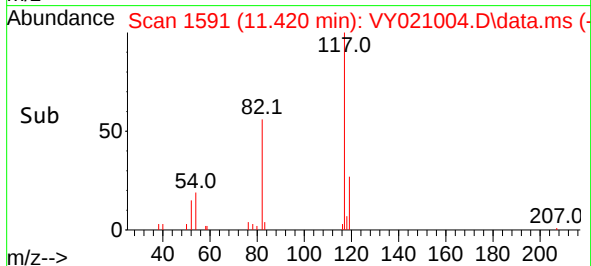
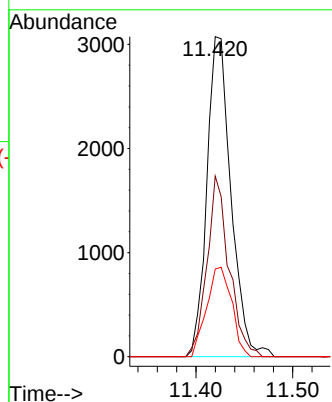
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	117	Resp:	5336
Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.2	66.2
119	27.4	25.9	38.9



#67

Ethyl Benzene

Concen: 2.661 ug/l

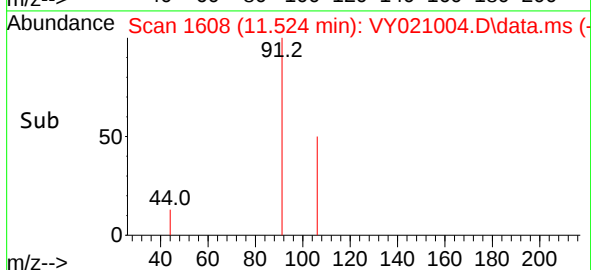
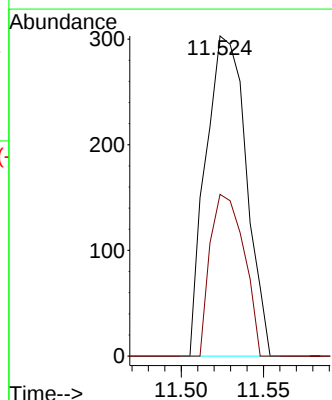
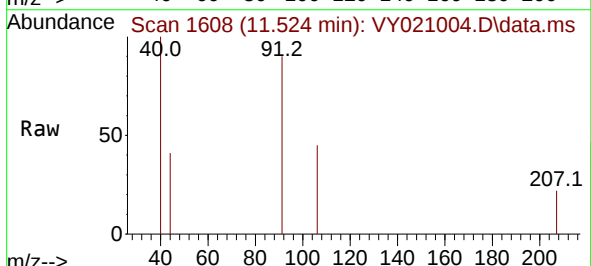
RT: 11.524 min Scan# 1608

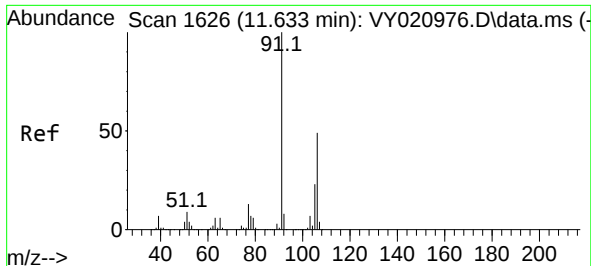
Delta R.T. 0.000 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

Tgt Ion:	91	Resp:	518
Ion	Ratio	Lower	Upper
91	100		
106	50.5	24.9	37.3#

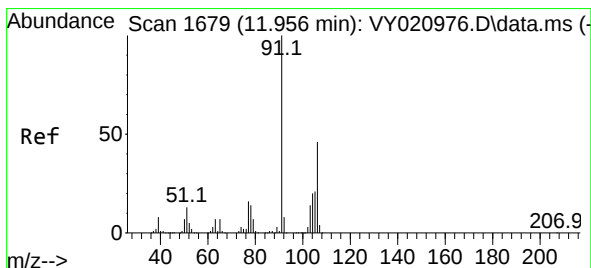
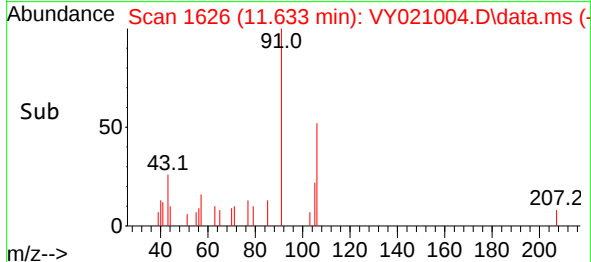
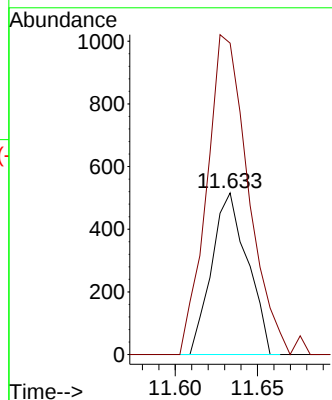
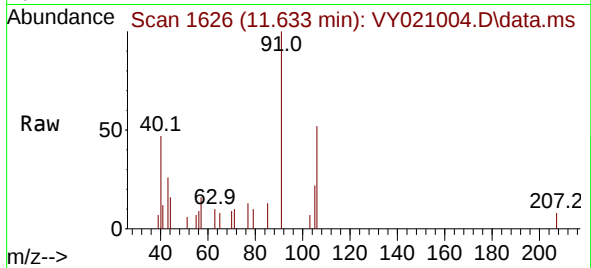




#68
m/p-Xylenes
Concen: 10.456 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

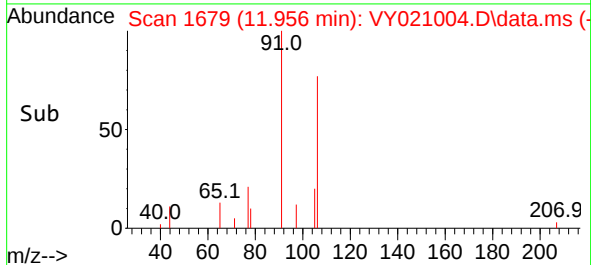
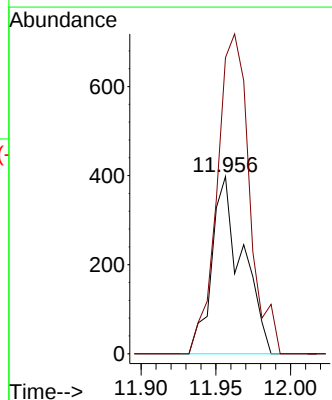
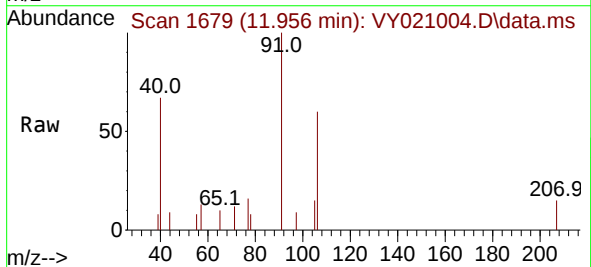
Instrument :
MSVOA_Y
ClientSampleId :

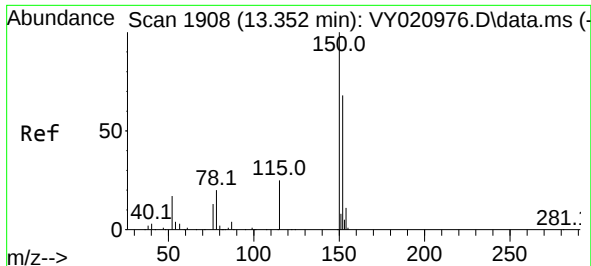
Tgt Ion:106 Resp: 782
Ion Ratio Lower Upper
106 100
91 231.5 160.0 240.0



#69
o-Xylene
Concen: 8.141 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Tgt Ion:106 Resp: 566
Ion Ratio Lower Upper
106 100
91 190.6 105.8 317.6

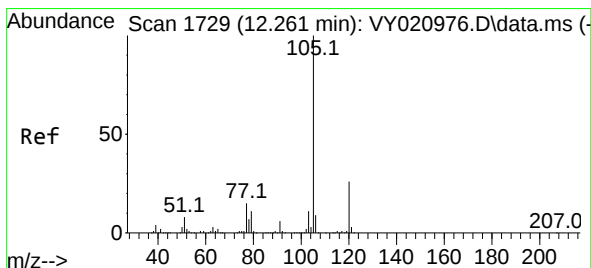
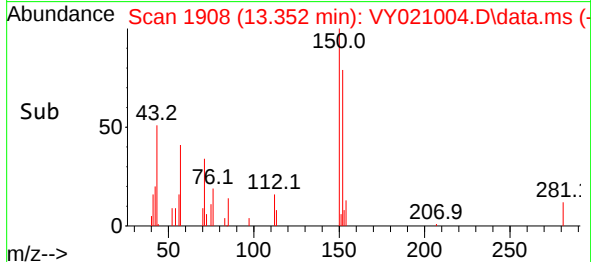
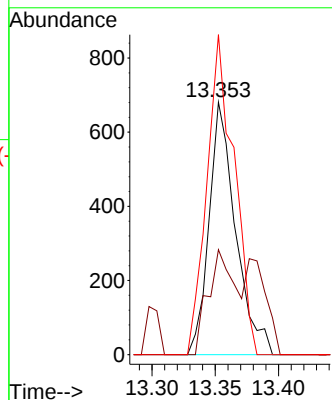
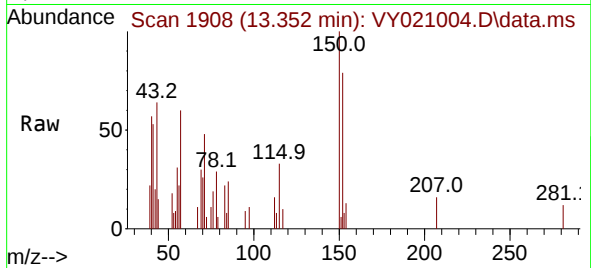




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

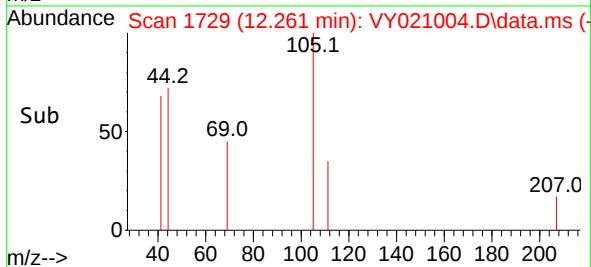
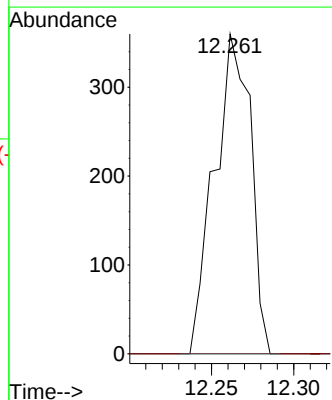
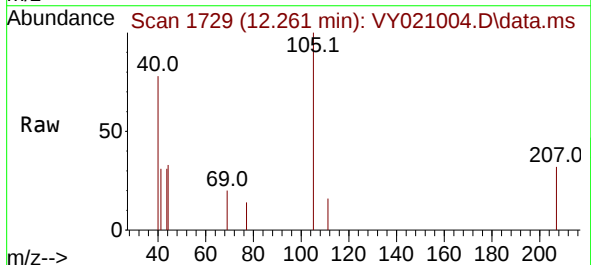
Instrument :
MSVOA_Y
ClientSampleId :

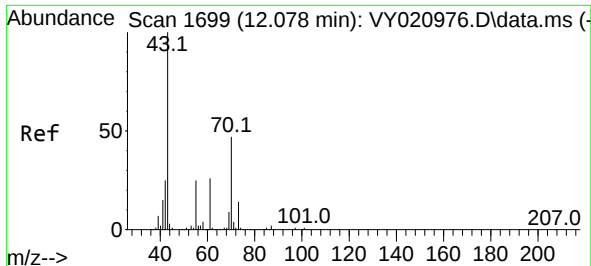
Tgt Ion:152 Resp: 994
Ion Ratio Lower Upper
152 100
115 43.1 28.4 85.2
150 130.6 0.0 342.8



#73
Isopropylbenzene
Concen: 7.907 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.000 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

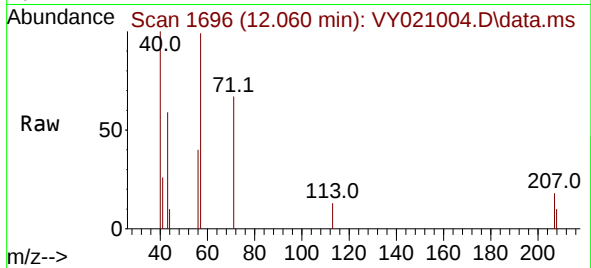
Tgt Ion:105 Resp: 552
Ion Ratio Lower Upper
105 100
120 0.0 13.4 40.2#



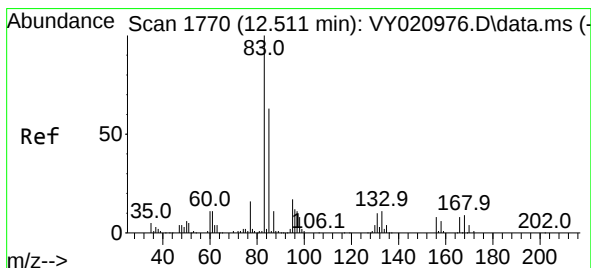
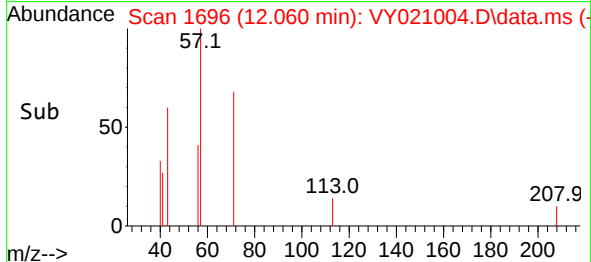
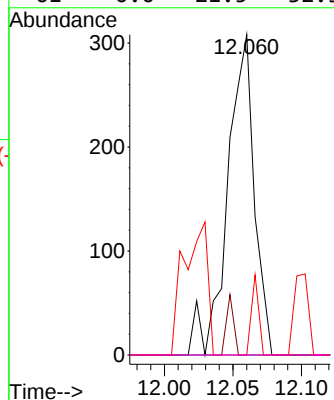


#74
N-amy1 acetate
Concen: 32.882 ug/l
RT: 12.060 min Scan# 1780
Delta R.T. -0.018 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :

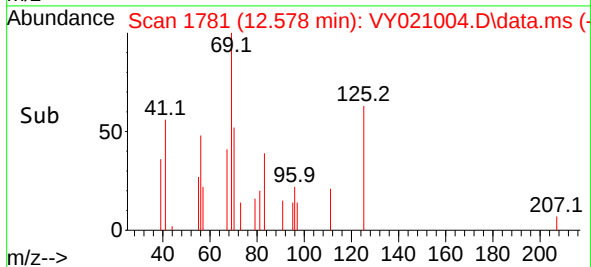
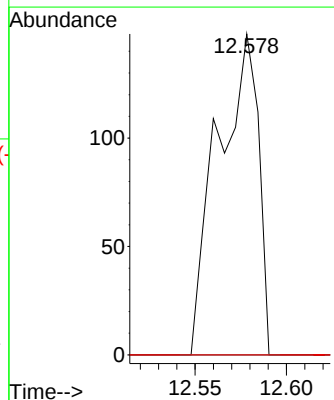
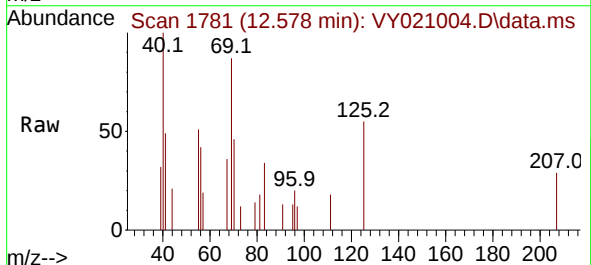


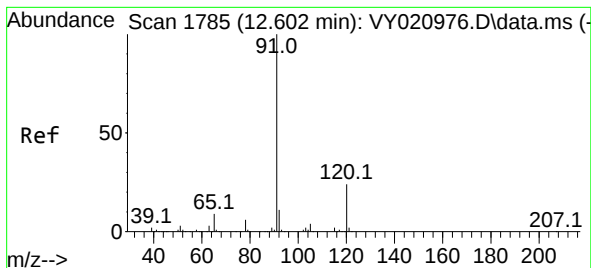
Tgt Ion: 43	Resp: 418
Ion Ratio	Lower Upper
43	100
70	5.0 39.3 58.9#
55	6.7 22.3 33.5#
61	0.0 21.5 32.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 20.233 ug/l
RT: 12.578 min Scan# 1781
Delta R.T. 0.067 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Tgt Ion: 83	Resp: 228
Ion Ratio	Lower Upper
83	100
131	0.0 5.7 17.1#
85	0.0 31.9 95.9#





#78

n-propylbenzene

Concen: 12.552 ug/l

RT: 12.609 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

Instrument :

MSVOA_Y

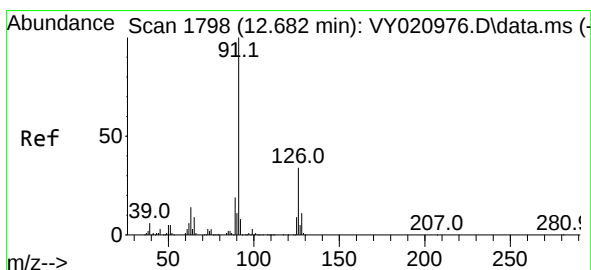
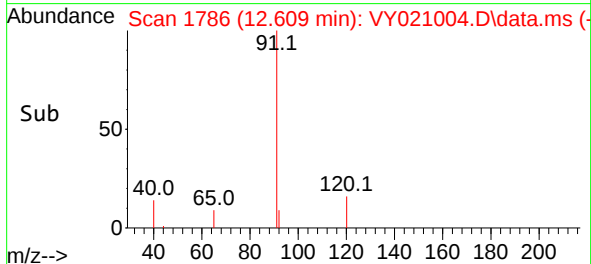
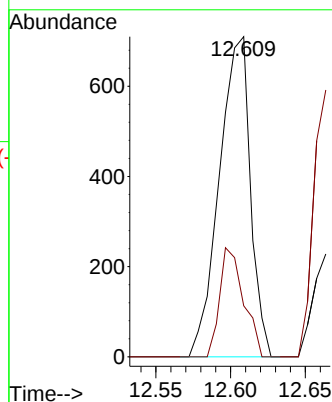
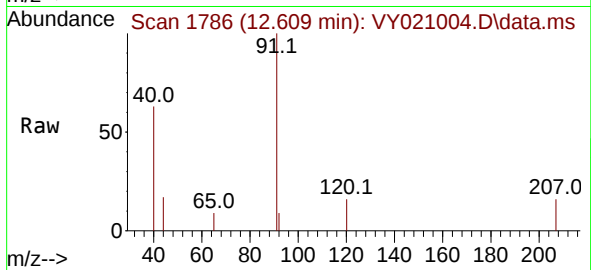
ClientSampleId :

Tgt Ion: 91 Resp: 1027

Ion Ratio Lower Upper

91 100

120 26.1 11.8 35.4



#79

2-Chlorotoluene

Concen: 12.764 ug/l

RT: 12.670 min Scan# 1796

Delta R.T. -0.012 min

Lab File: VY021004.D

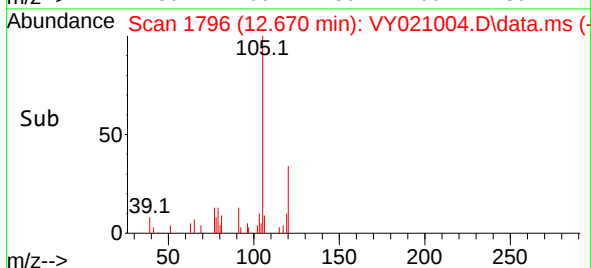
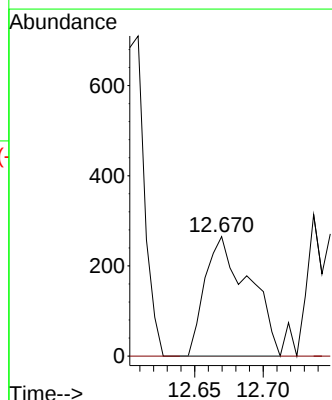
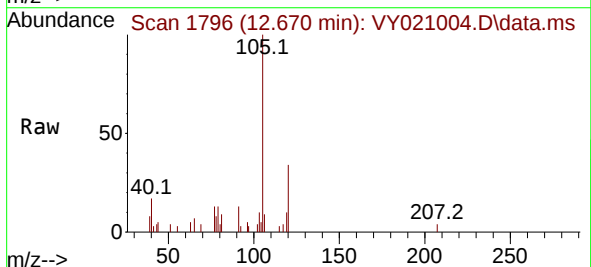
Acq: 31 Jan 2025 12:54

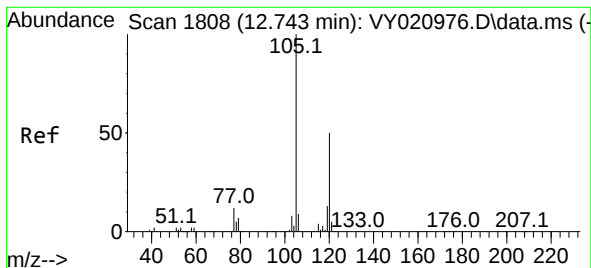
Tgt Ion: 91 Resp: 595

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.9#





#80

1,3,5-Trimethylbenzene

Concen: 51.824 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

Instrument :

MSVOA_Y

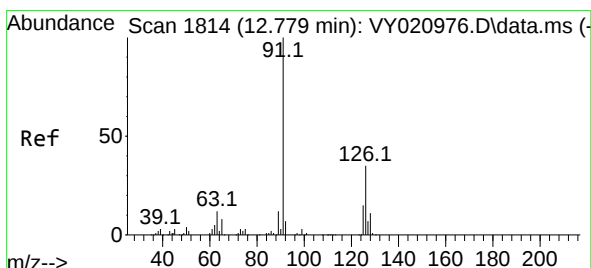
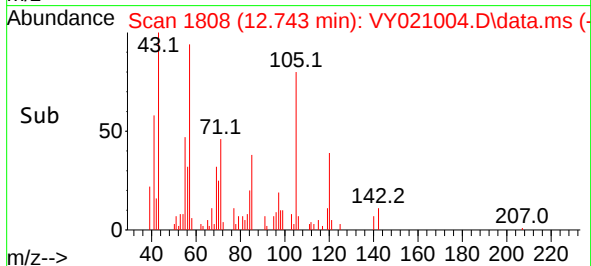
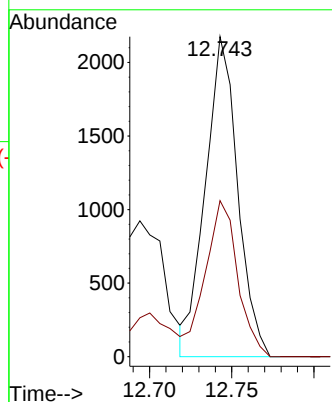
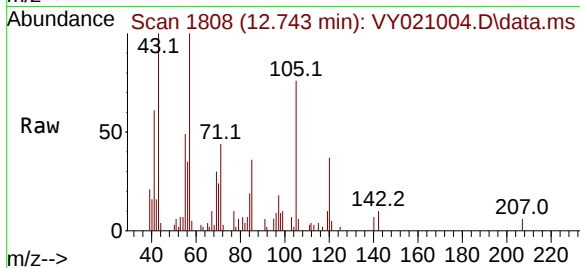
ClientSampleId :

Tgt Ion:105 Resp: 2964

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.9



#82

4-Chlorotoluene

Concen: 10.333 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.042 min

Lab File: VY021004.D

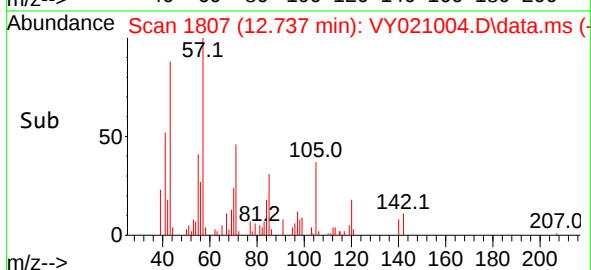
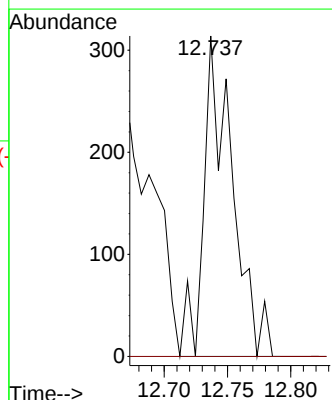
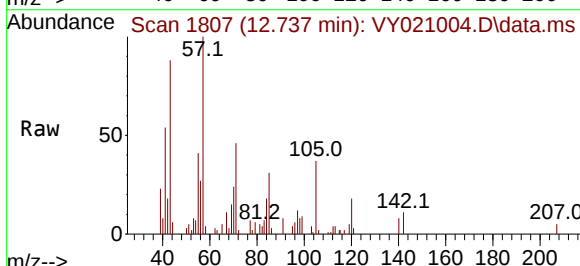
Acq: 31 Jan 2025 12:54

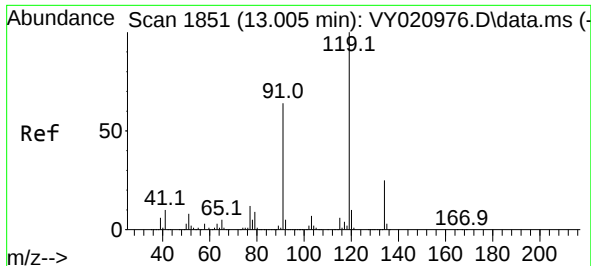
Tgt Ion: 91 Resp: 493

Ion Ratio Lower Upper

91 100

126 0.0 17.3 52.0#

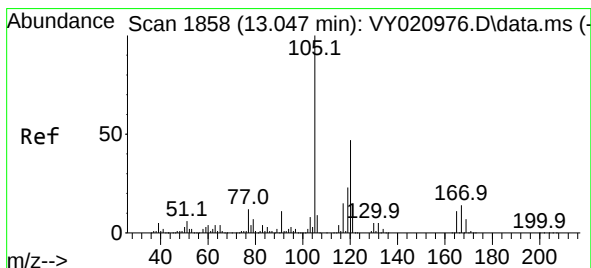
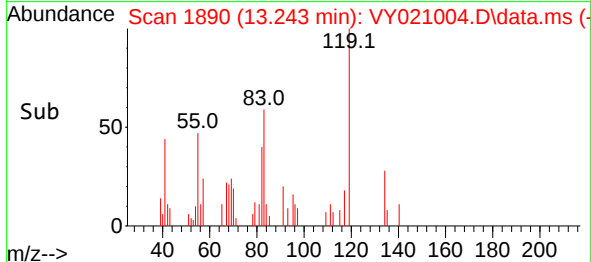
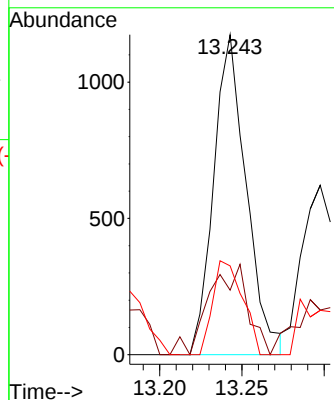
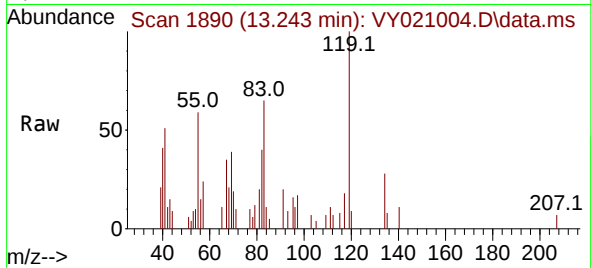




#83
 tert-Butylbenzene
 Concen: 30.502 ug/l
 RT: 13.243 min Scan# 1890
 Delta R.T. 0.238 min
 Lab File: VY021004.D
 Acq: 31 Jan 2025 12:54

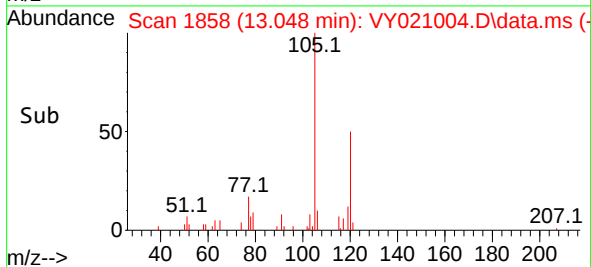
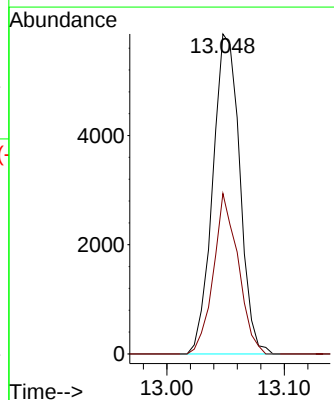
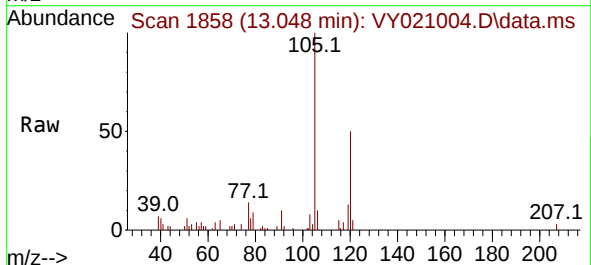
Instrument :
 MSVOA_Y
 ClientSampleId :

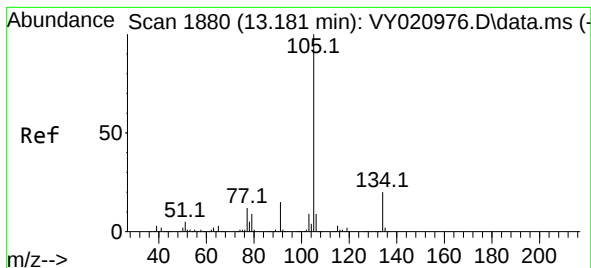
Tgt Ion:119 Resp: 1618
 Ion Ratio Lower Upper
 119 100
 91 33.8 31.4 94.0
 134 26.9 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 167.338 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. 0.000 min
 Lab File: VY021004.D
 Acq: 31 Jan 2025 12:54

Tgt Ion:105 Resp: 9349
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.7 68.0





#85

sec-Butylbenzene

Concen: 18.882 ug/l

RT: 13.182 min Scan# 1880

Delta R.T. 0.000 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

Instrument :

MSVOA_Y

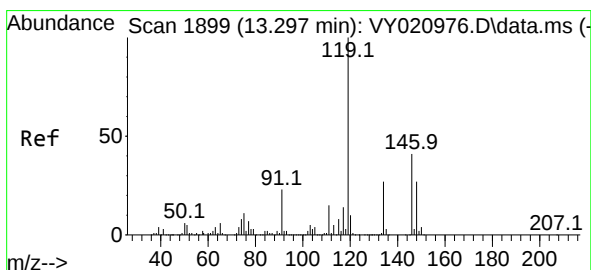
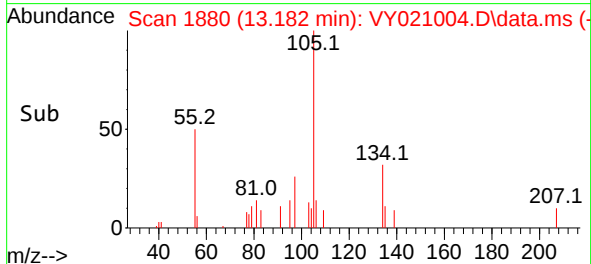
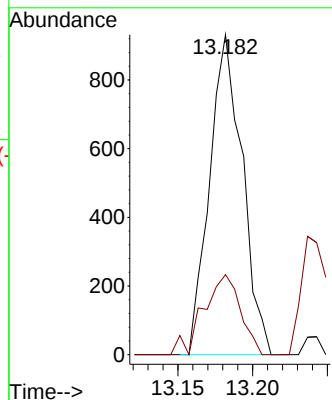
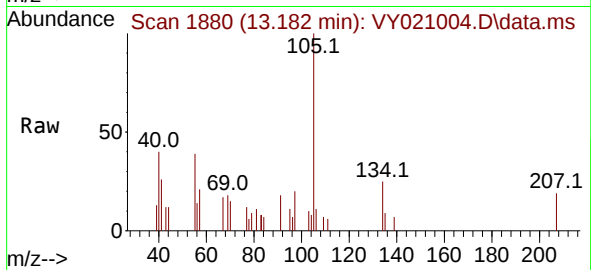
ClientSampleId :

Tgt Ion:105 Resp: 1418

Ion Ratio Lower Upper

105 100

134 28.2 10.3 30.8



#86

p-Isopropyltoluene

Concen: 25.637 ug/l

RT: 13.243 min Scan# 1890

Delta R.T. -0.055 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

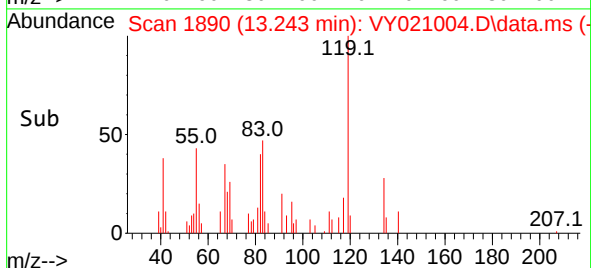
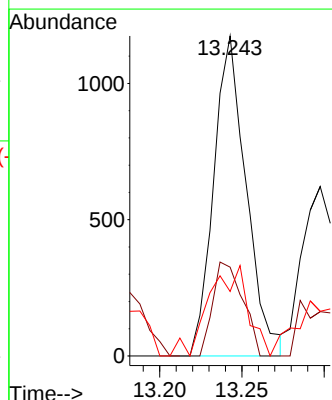
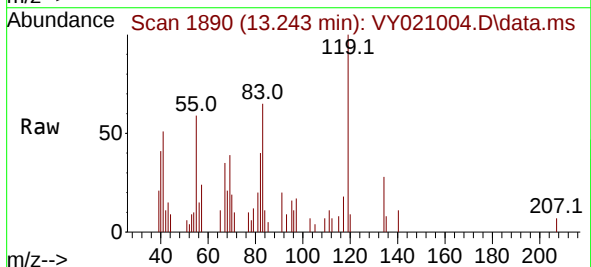
Tgt Ion:119 Resp: 1618

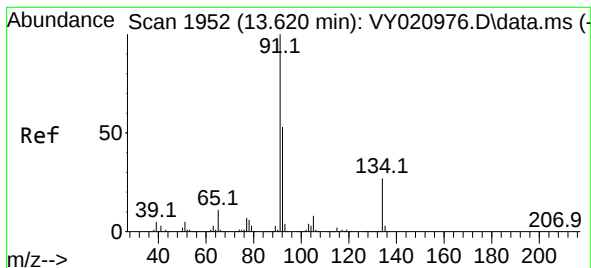
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 33.8 11.5 34.5





#89

n-Butylbenzene

Concen: 10.243 ug/l

RT: 13.627 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY021004.D

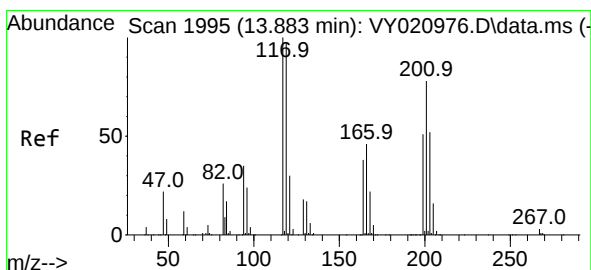
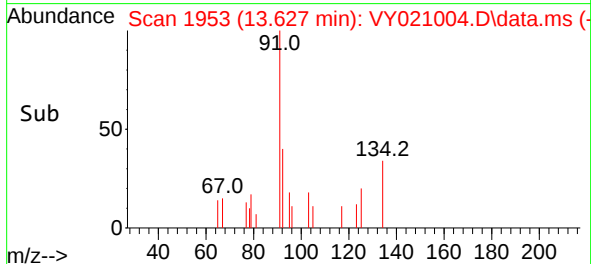
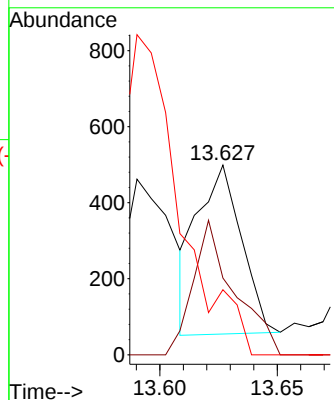
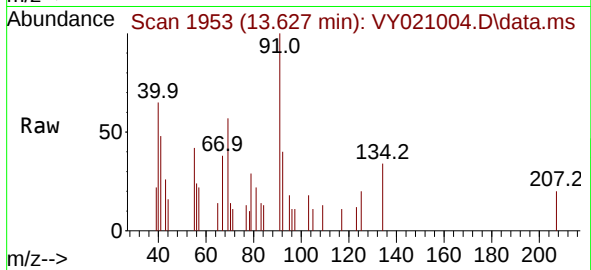
Acq: 31 Jan 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 91	Resp:	579
Ion	Ratio	Lower Upper
91	100	
92	74.3	26.7 80.1
134	0.0	13.7 41.1#



#90

Hexachloroethane

Concen: 28.352 ug/l

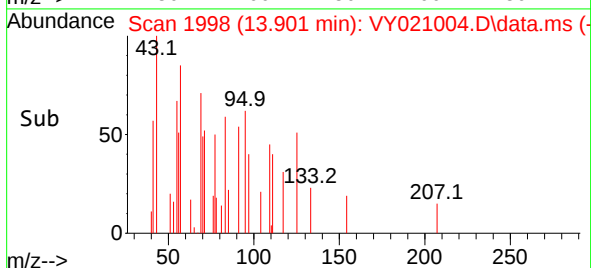
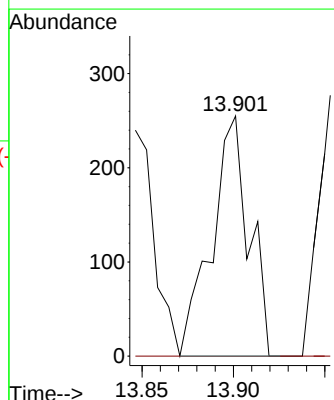
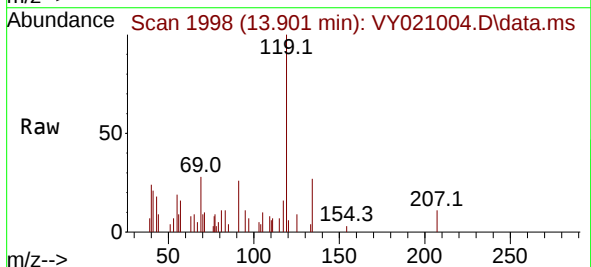
RT: 13.901 min Scan# 1998

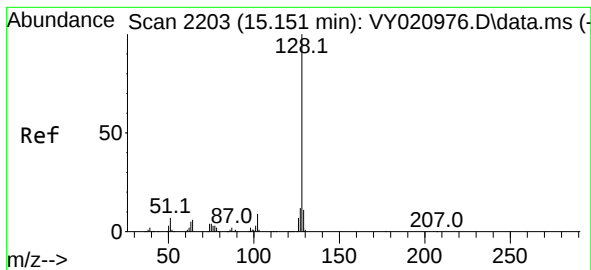
Delta R.T. 0.019 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

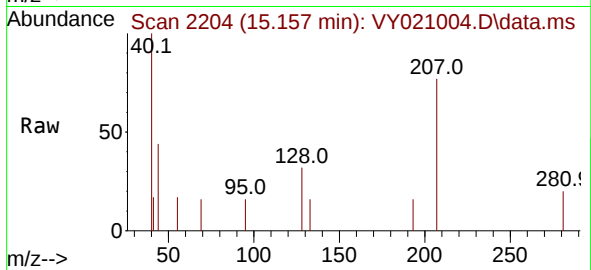
Tgt Ion: 117	Resp:	362
Ion	Ratio	Lower Upper
117	100	
201	0.0	42.5 127.5#





#95
Naphthalene
Concen: 7.448 ug/l
RT: 15.157 min Scan# 211
Delta R.T. 0.006 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 113
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.8 13.2#

