

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021984.D
 Acq On : 23 Apr 2025 20:08
 Operator : SY/MD
 Sample : Q1855-01
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2001

Quant Time: Apr 24 03:48:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

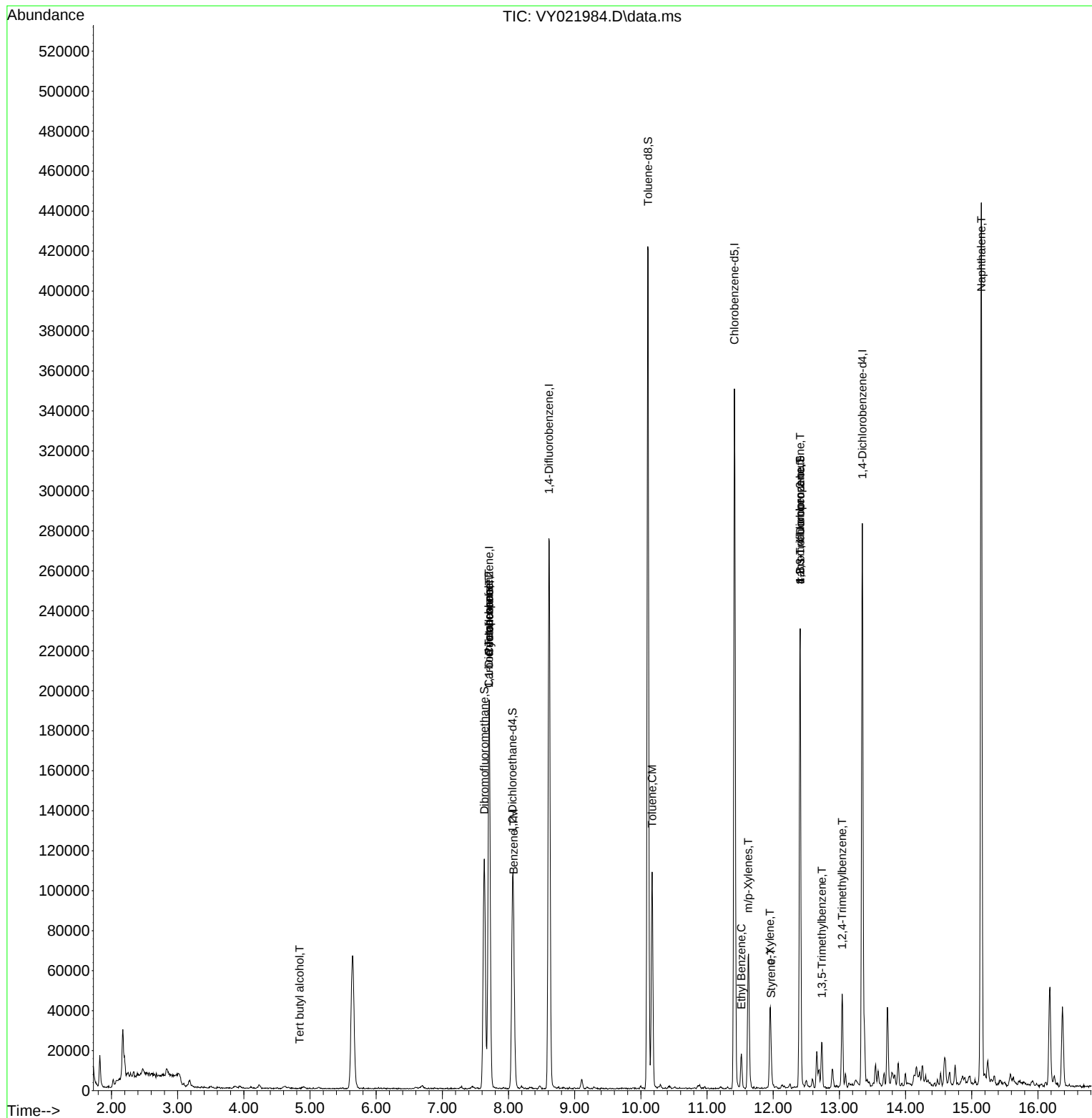
Internal Standards						
1) Pentafluorobenzene	7.707	168	148785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	249126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	199684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	73128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	64247	46.749	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.500%
35) Dibromofluoromethane	7.634	113	83861	50.953	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.900%
50) Toluene-d8	10.109	98	288740	46.534	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.060%
62) 4-Bromofluorobenzene	12.408	95	72093	34.514	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	239	3.168	ug/l #	70
16) Acetone	3.854	43	1823	Below Cal	#	72
31) Cyclohexane	7.707	56	4133	1.819	ug/l #	24
36) 1,1-Dichloropropene	7.701	75	11027	4.988	ug/l #	48
38) Carbon Tetrachloride	7.701	117	15137	5.730	ug/l #	18
40) Benzene	8.079	78	50540	7.313	ug/l	92
52) Toluene	10.170	92	45213	10.107	ug/l	98
67) Ethyl Benzene	11.517	91	11233	1.538	ug/l	91
68) m/p-Xylenes	11.621	106	21282	7.322	ug/l	97
69) o-Xylene	11.950	106	10090	3.766	ug/l	97
70) Styrene	11.969	104	5976	1.329	ug/l #	77
76) 1,2,3-Trichloropropane	12.408	75	34990	55.861	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	8671	2.154	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.408	75	34990	134.521	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.042	105	23667	5.878	ug/l	98
95) Naphthalene	15.145	128	353627	171.774	ug/l	100

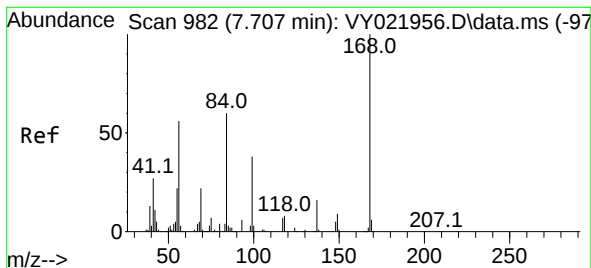
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

Instrument :

MSVOA_Y

ClientSampleId :

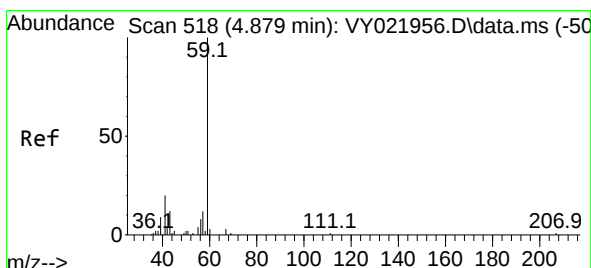
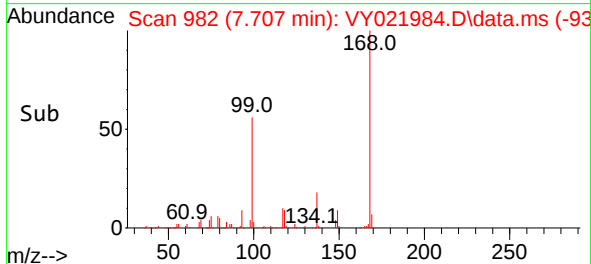
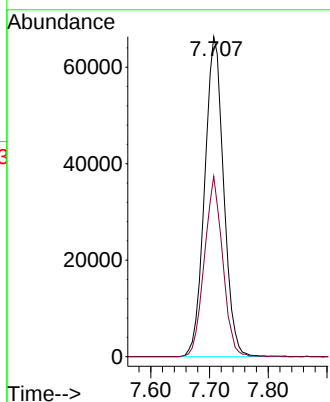
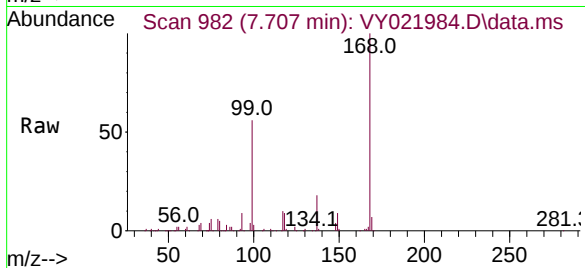
2001

Tgt Ion:168 Resp: 148785

Ion Ratio Lower Upper

168 100

99 56.4 43.1 64.7



#11

Tert butyl alcohol

Concen: 3.168 ug/l

RT: 4.842 min Scan# 512

Delta R.T. -0.037 min

Lab File: VY021984.D

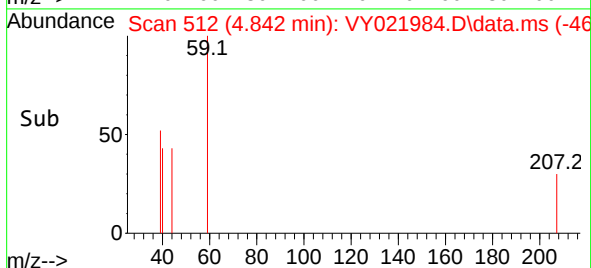
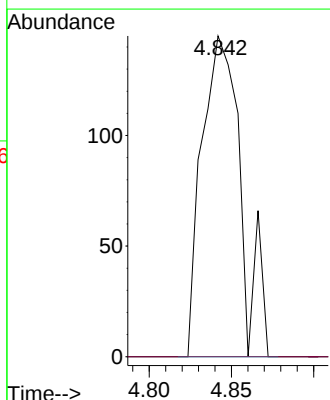
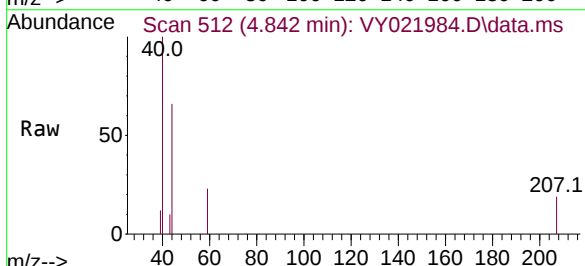
Acq: 23 Apr 2025 20:08

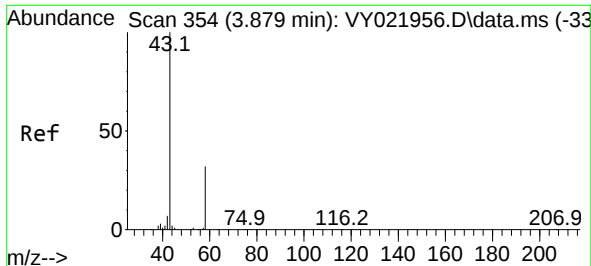
Tgt Ion: 59 Resp: 239

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#





#16

Acetone

Concen: Below Cal

RT: 3.854 min Scan# 31

Delta R.T. -0.025 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

Instrument :

MSVOA_Y

ClientSampleId :

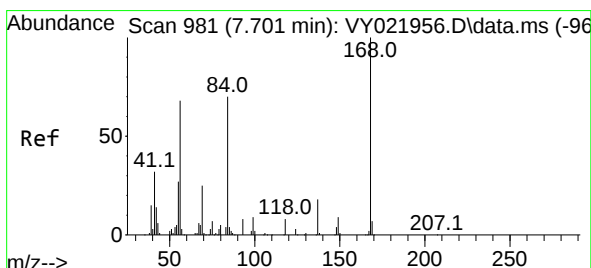
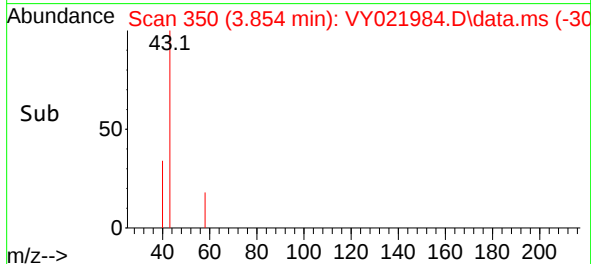
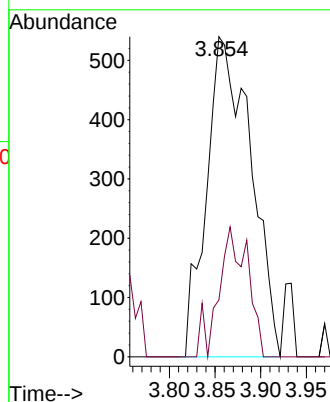
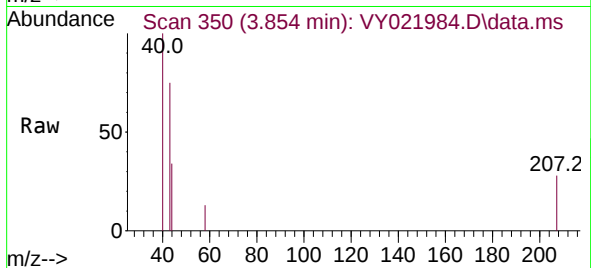
2001

Tgt Ion: 43 Resp: 1823

Ion Ratio Lower Upper

43 100

58 17.8 27.0 40.4#



#31

Cyclohexane

Concen: 1.819 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

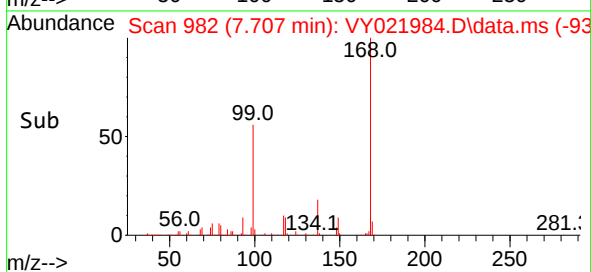
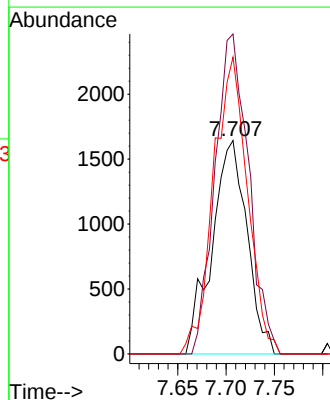
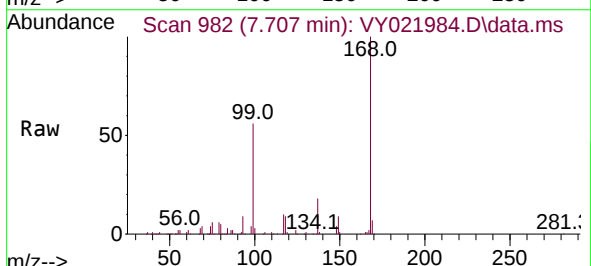
Tgt Ion: 56 Resp: 4133

Ion Ratio Lower Upper

56 100

69 149.9 29.4 44.2#

84 139.1 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 46.749 ug/l

RT: 8.061 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

Instrument :

MSVOA_Y

ClientSampleId :

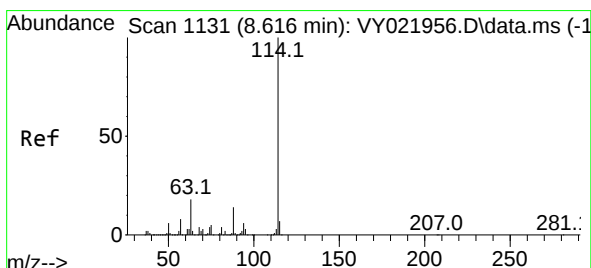
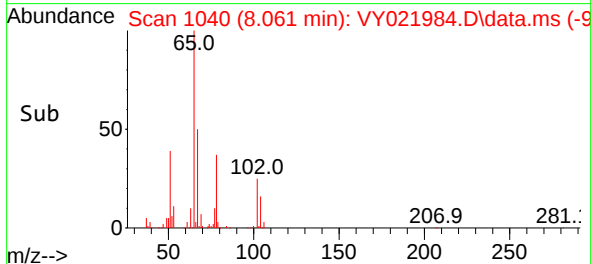
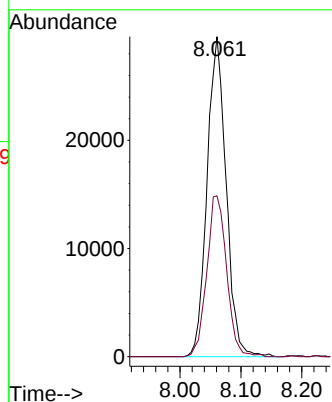
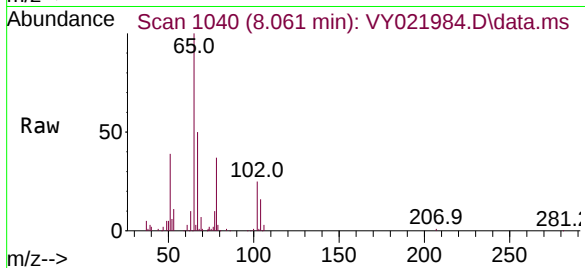
2001

Tgt Ion: 65 Resp: 64247

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

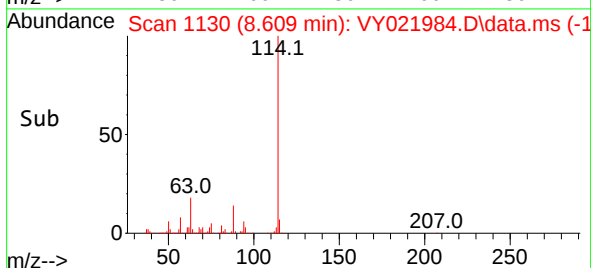
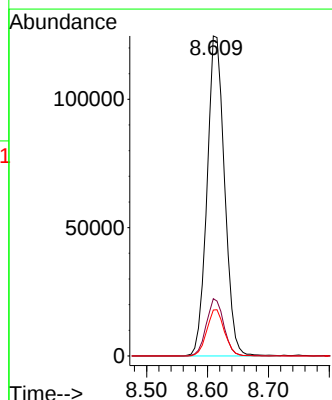
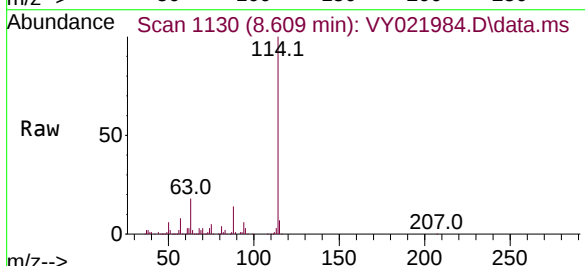
Tgt Ion: 114 Resp: 249126

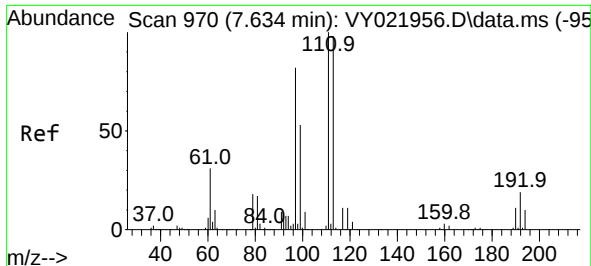
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 14.4 0.0 28.2

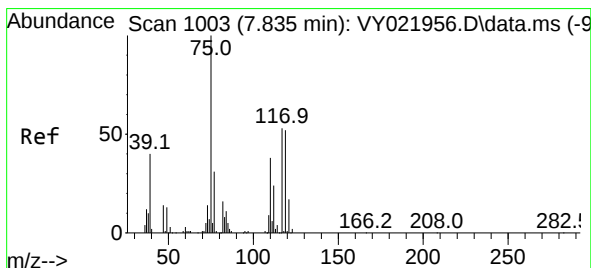
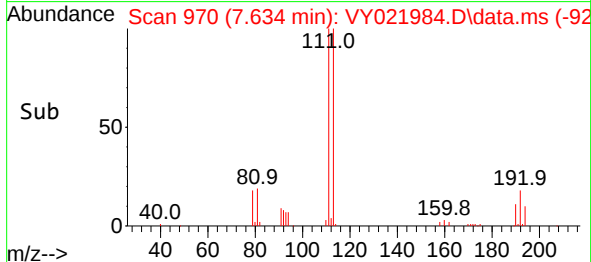
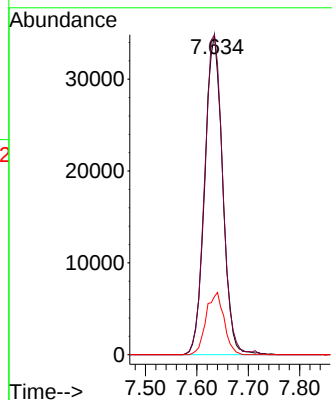
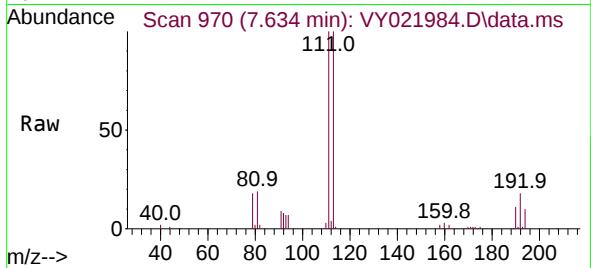




#35
Dibromofluoromethane
Concen: 50.953 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

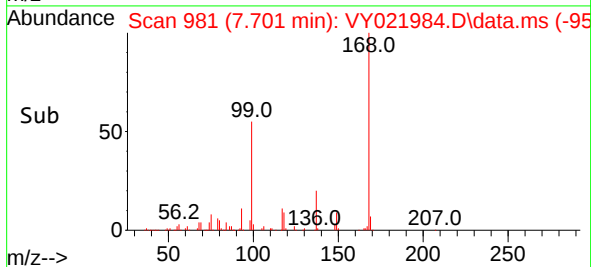
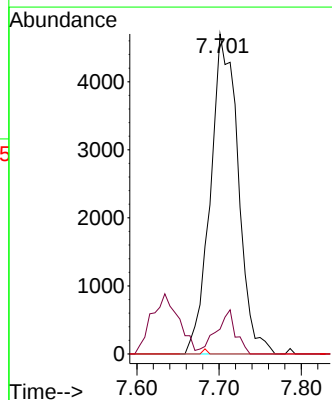
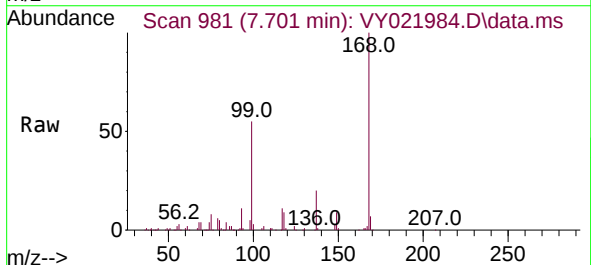
Instrument :
MSVOA_Y
ClientSampleId :
2001

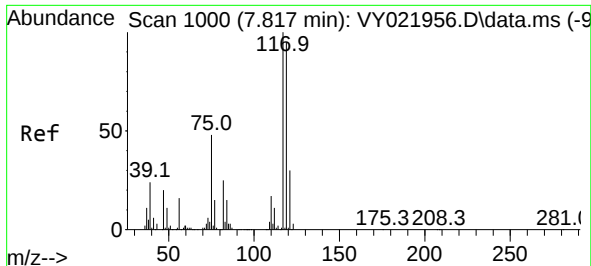
Tgt Ion:113 Resp: 83861
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.8
192 19.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.988 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

Tgt Ion: 75 Resp: 11027
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.5 38.3#

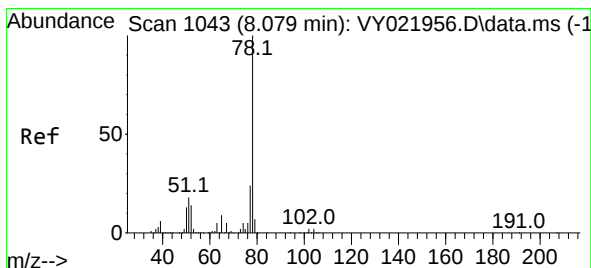
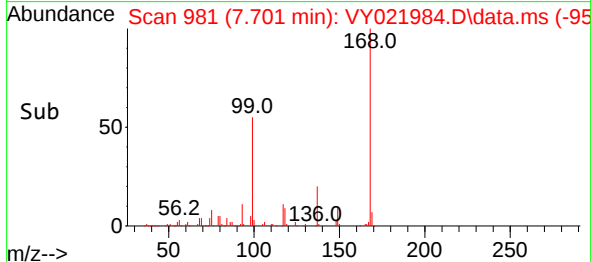
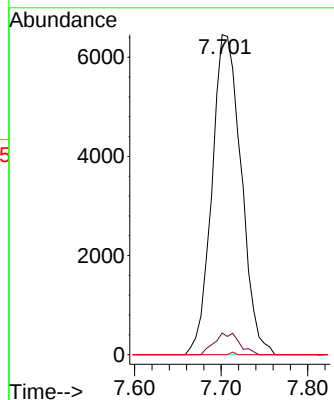
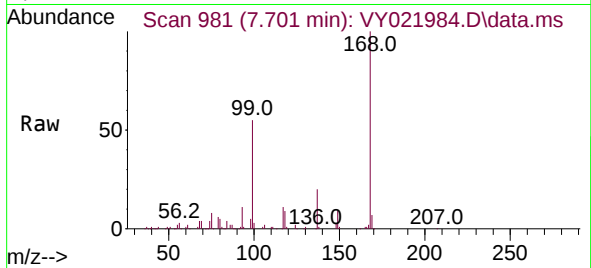




#38
Carbon Tetrachloride
Concen: 5.730 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

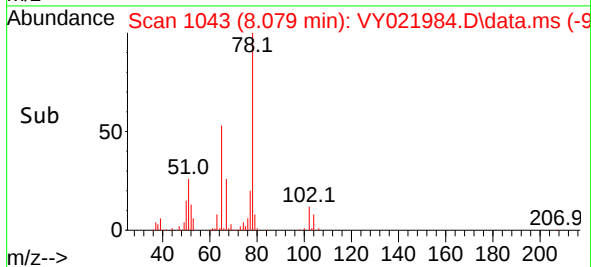
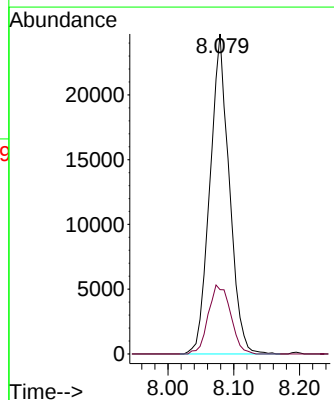
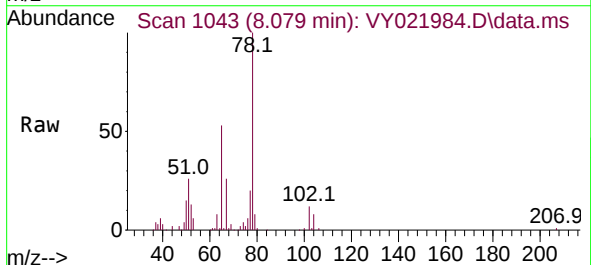
Instrument :
MSVOA_Y
ClientSampleId :
2001

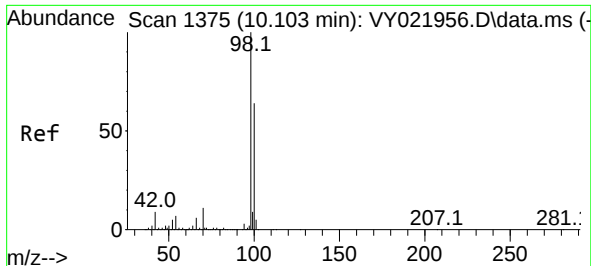
Tgt Ion:117 Resp: 15137
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.4#
121 0.0 24.0 36.0#



#40
Benzene
Concen: 7.313 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

Tgt Ion: 78 Resp: 50540
Ion Ratio Lower Upper
78 100
77 20.1 19.3 28.9

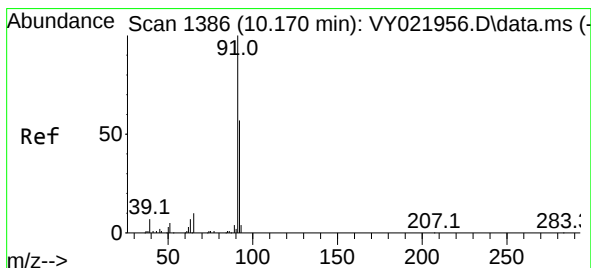
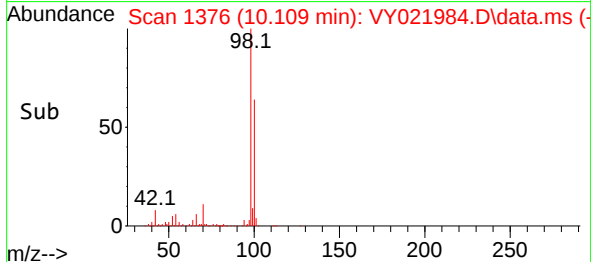
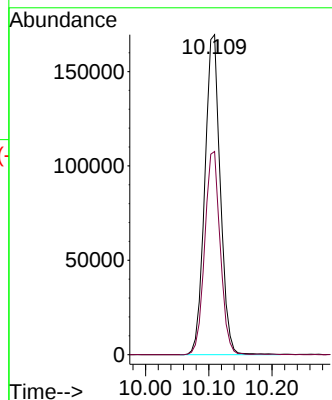
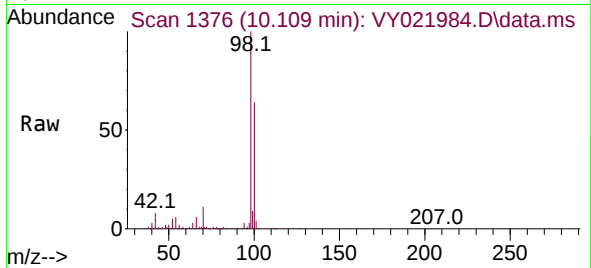




#50
Toluene-d8
Concen: 46.534 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

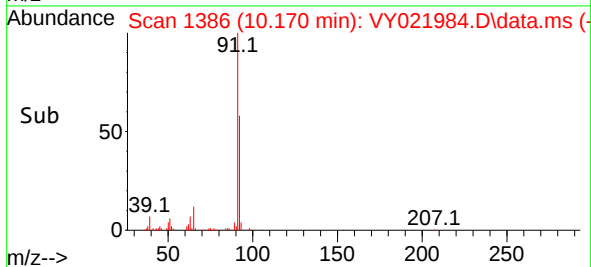
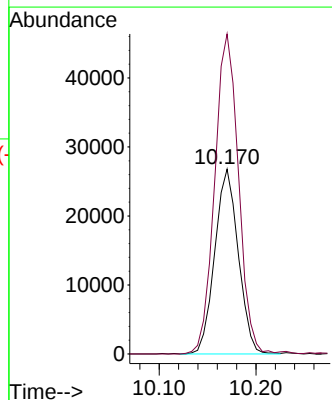
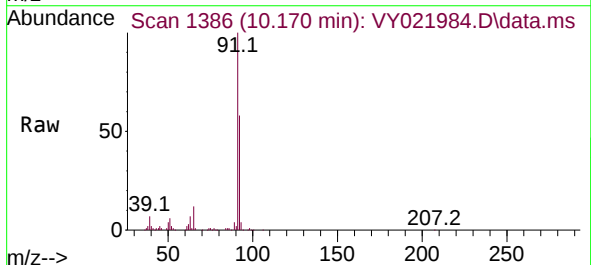
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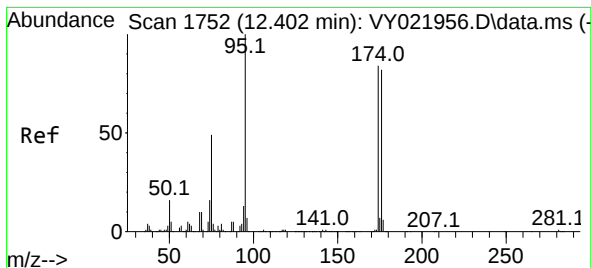
Tgt Ion: 98 Resp: 288740
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#52
Toluene
Concen: 10.107 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

Tgt Ion: 92 Resp: 45213
Ion Ratio Lower Upper
92 100
91 175.5 138.6 207.8

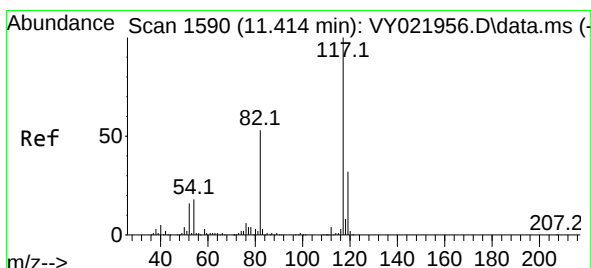
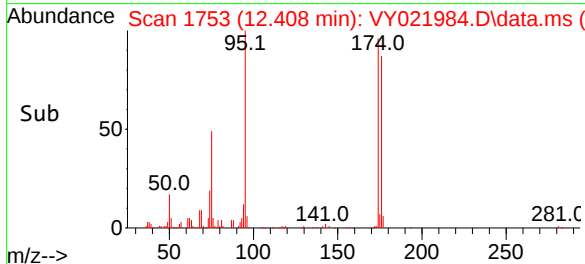
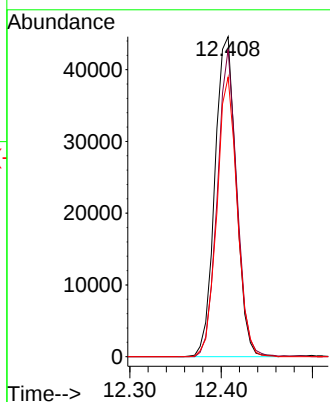
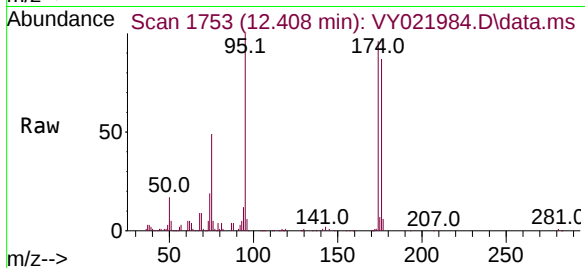




#62
4-Bromofluorobenzene
Concen: 34.514 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

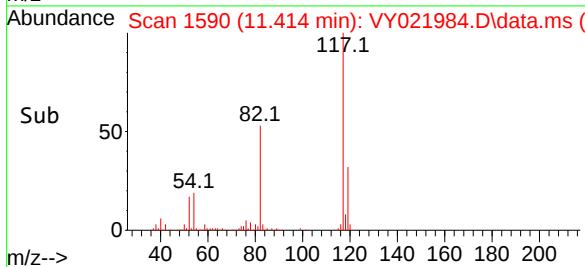
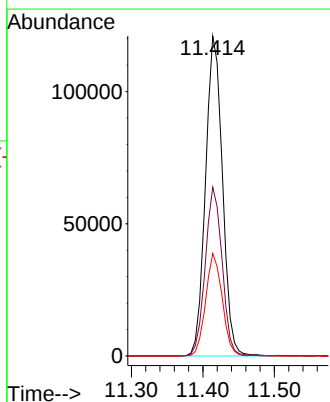
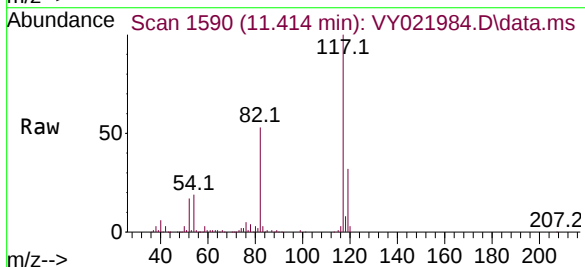
Instrument :
MSVOA_Y
ClientSampleId :
2001

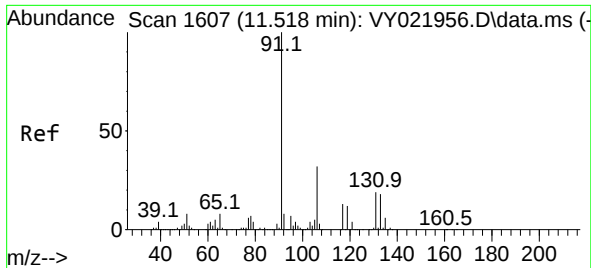
Tgt Ion: 95 Resp: 72093
Ion Ratio Lower Upper
95 100
174 89.0 0.0 179.0
176 83.2 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

Tgt Ion: 117 Resp: 199684
Ion Ratio Lower Upper
117 100
82 52.8 42.1 63.1
119 32.1 25.7 38.5

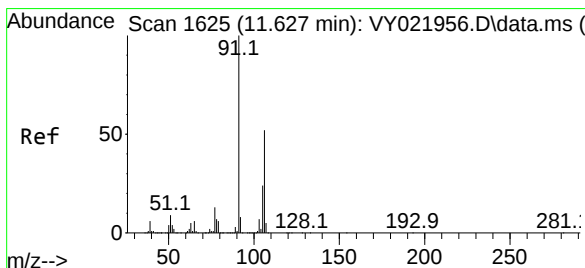
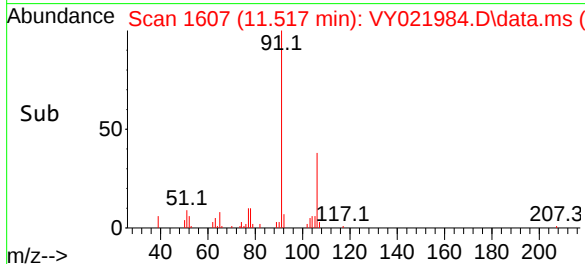
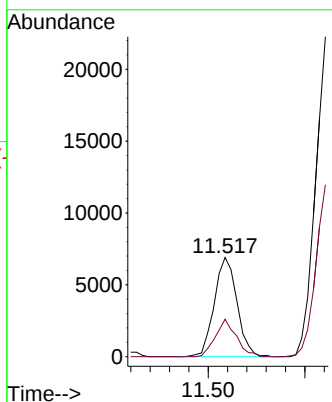
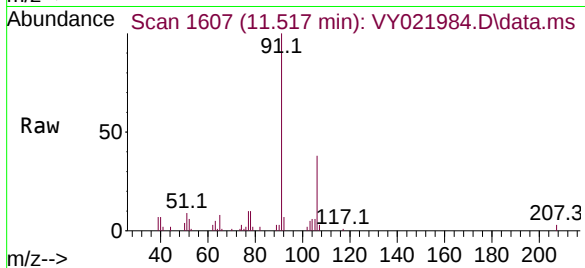




#67
Ethyl Benzene
Concen: 1.538 ug/l
RT: 11.517 min Scan# 11233
Delta R.T. -0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

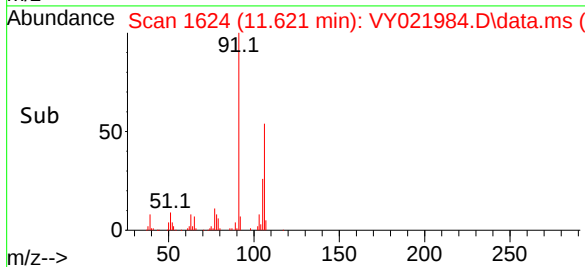
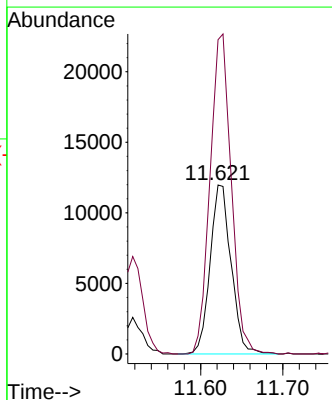
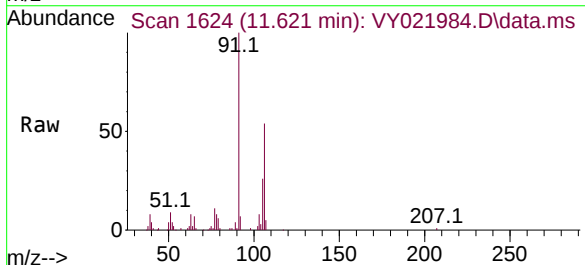
Instrument :
MSVOA_Y
ClientSampleId :
2001

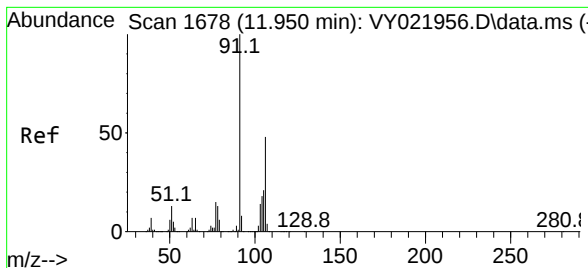
Tgt Ion: 91 Resp: 11233
Ion Ratio Lower Upper
91 100
106 37.7 25.9 38.9



#68
m/p-Xylenes
Concen: 7.322 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

Tgt Ion: 106 Resp: 21282
Ion Ratio Lower Upper
106 100
91 191.3 156.2 234.2

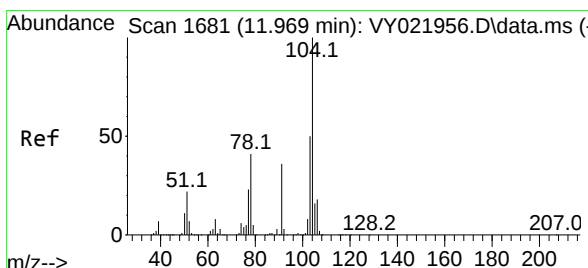
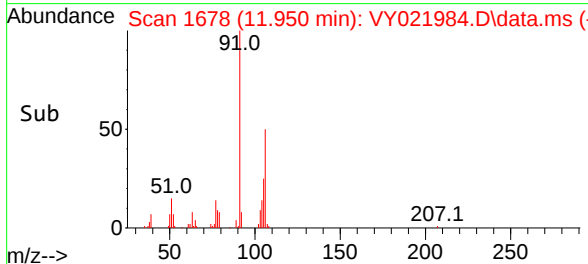
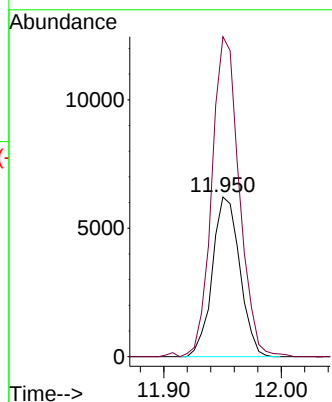
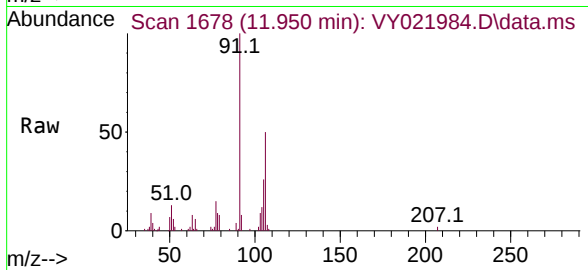




#69
o-Xylene
Concen: 3.766 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

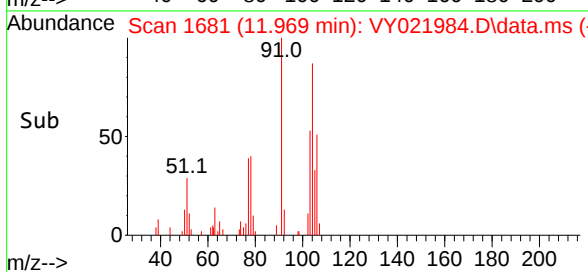
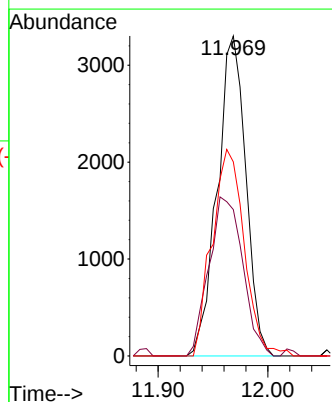
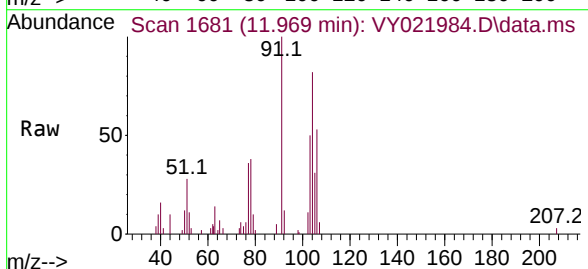
Instrument :
MSVOA_Y
ClientSampleId :
2001

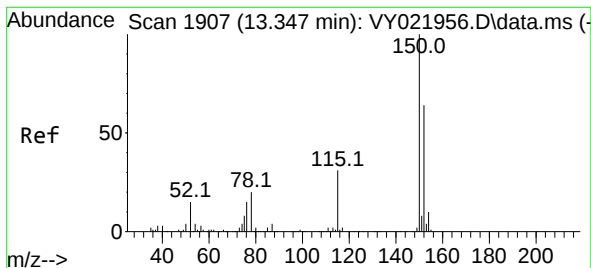
Tgt Ion:106 Resp: 10090
Ion Ratio Lower Upper
106 100
91 200.8 103.0 308.9



#70
Styrene
Concen: 1.329 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

Tgt Ion:104 Resp: 5976
Ion Ratio Lower Upper
104 100
78 58.9 36.6 54.8#
103 72.9 43.8 65.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

Instrument :

MSVOA_Y

ClientSampleId :

2001

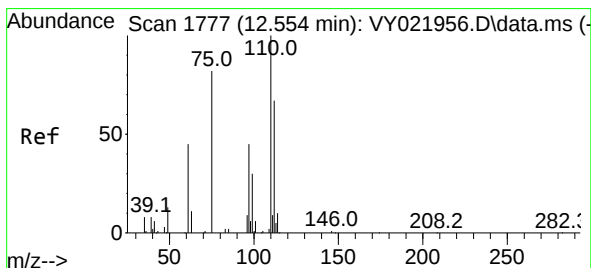
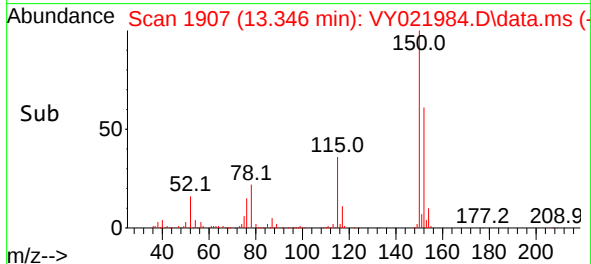
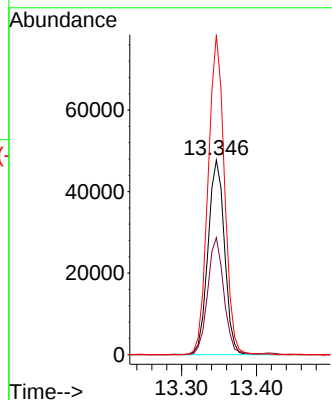
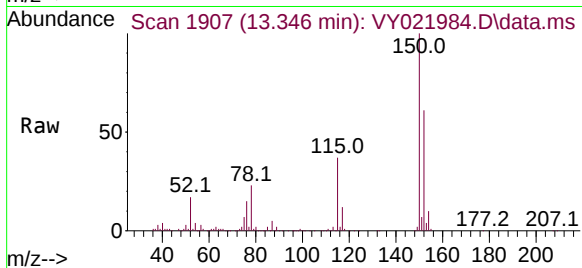
Tgt Ion:152 Resp: 73128

Ion Ratio Lower Upper

152 100

115 58.8 28.0 84.0

150 162.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 55.861 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021984.D

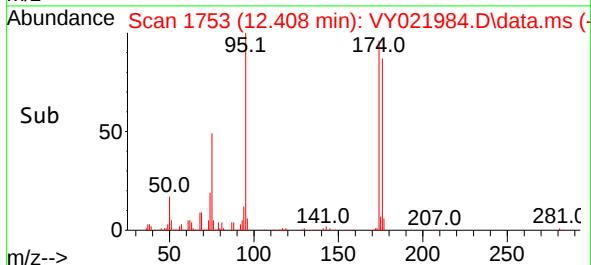
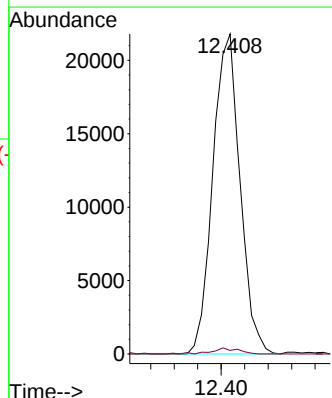
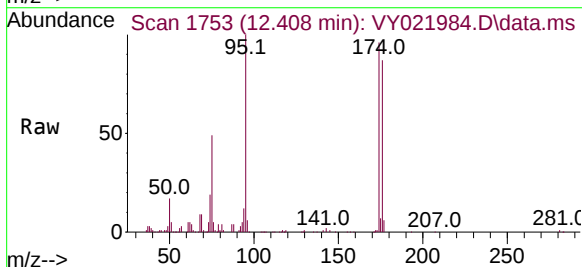
Acq: 23 Apr 2025 20:08

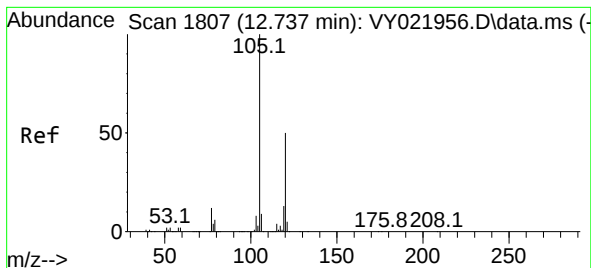
Tgt Ion: 75 Resp: 34990

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 2.154 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

Instrument :

MSVOA_Y

ClientSampleId :

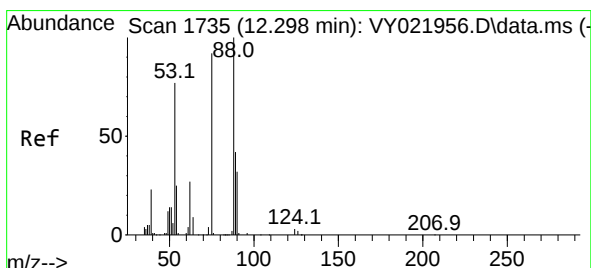
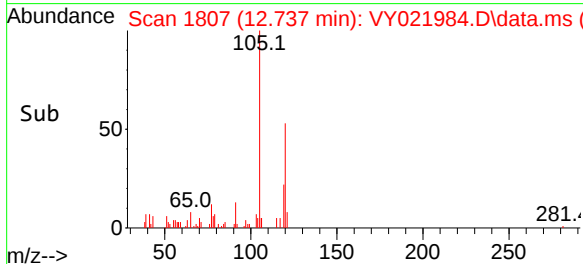
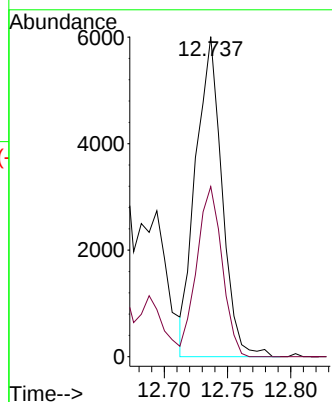
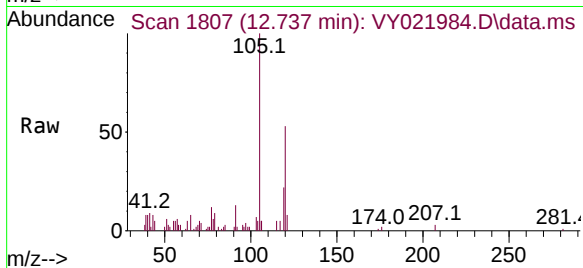
2001

Tgt Ion:105 Resp: 8671

Ion Ratio Lower Upper

105 100

120 51.3 25.0 75.0



#81

trans-1,4-Dichloro-2-butene

Concen: 134.521 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY021984.D

Acq: 23 Apr 2025 20:08

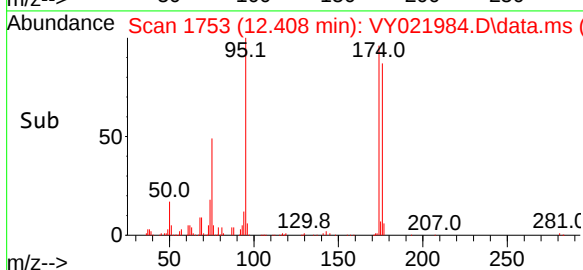
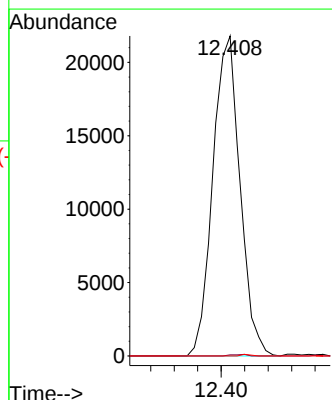
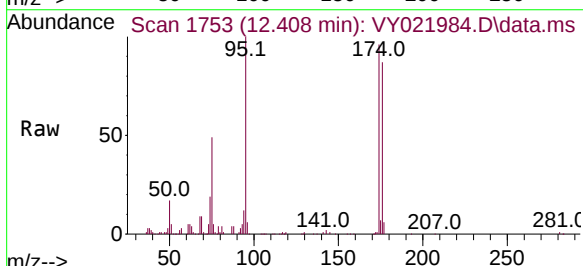
Tgt Ion: 75 Resp: 34990

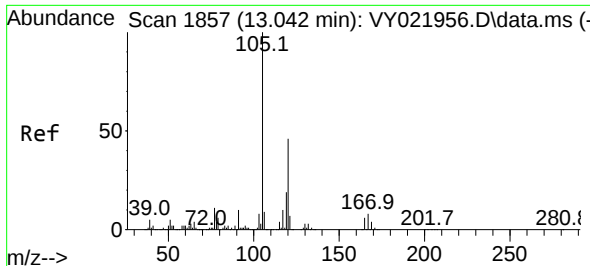
Ion Ratio Lower Upper

75 100

53 0.3 66.0 99.0#

89 0.2 37.2 55.8#

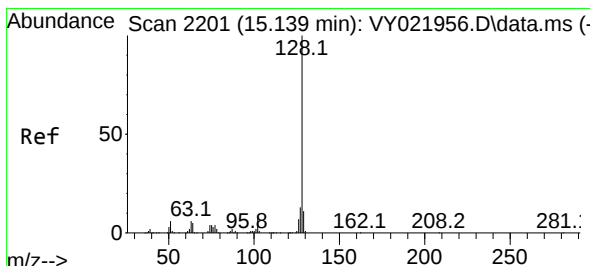
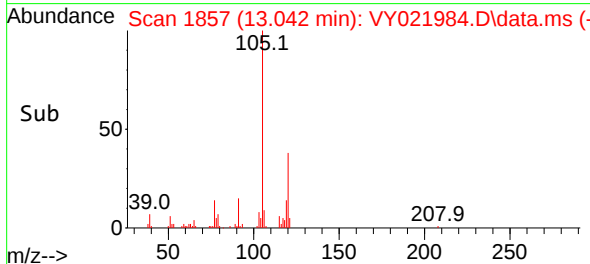
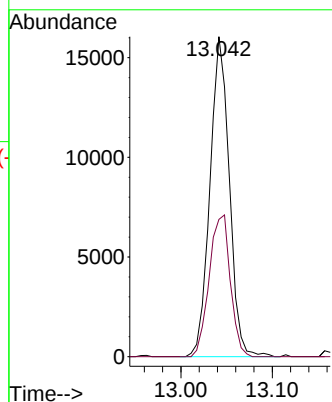
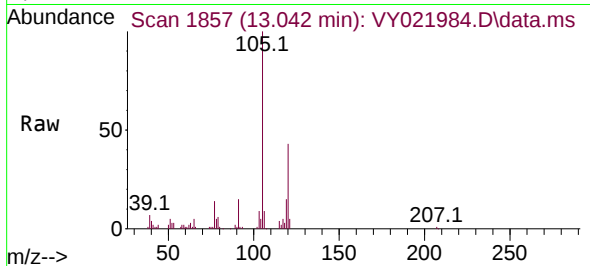




#84
1,2,4-Trimethylbenzene
Concen: 5.878 ug/l
RT: 13.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

Instrument :
MSVOA_Y
ClientSampleId :
2001

Tgt Ion:105 Resp: 23667
Ion Ratio Lower Upper
105 100
120 48.3 23.4 70.0



#95
Naphthalene
Concen: 171.774 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY021984.D
Acq: 23 Apr 2025 20:08

Tgt Ion:128 Resp: 353627
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.9 8.9 13.3

