

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022403.D
 Acq On : 22 May 2025 18:03
 Operator : SY/MD
 Sample : Q2075-06
 Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-MW1-11.5

Quant Time: May 23 03:41:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

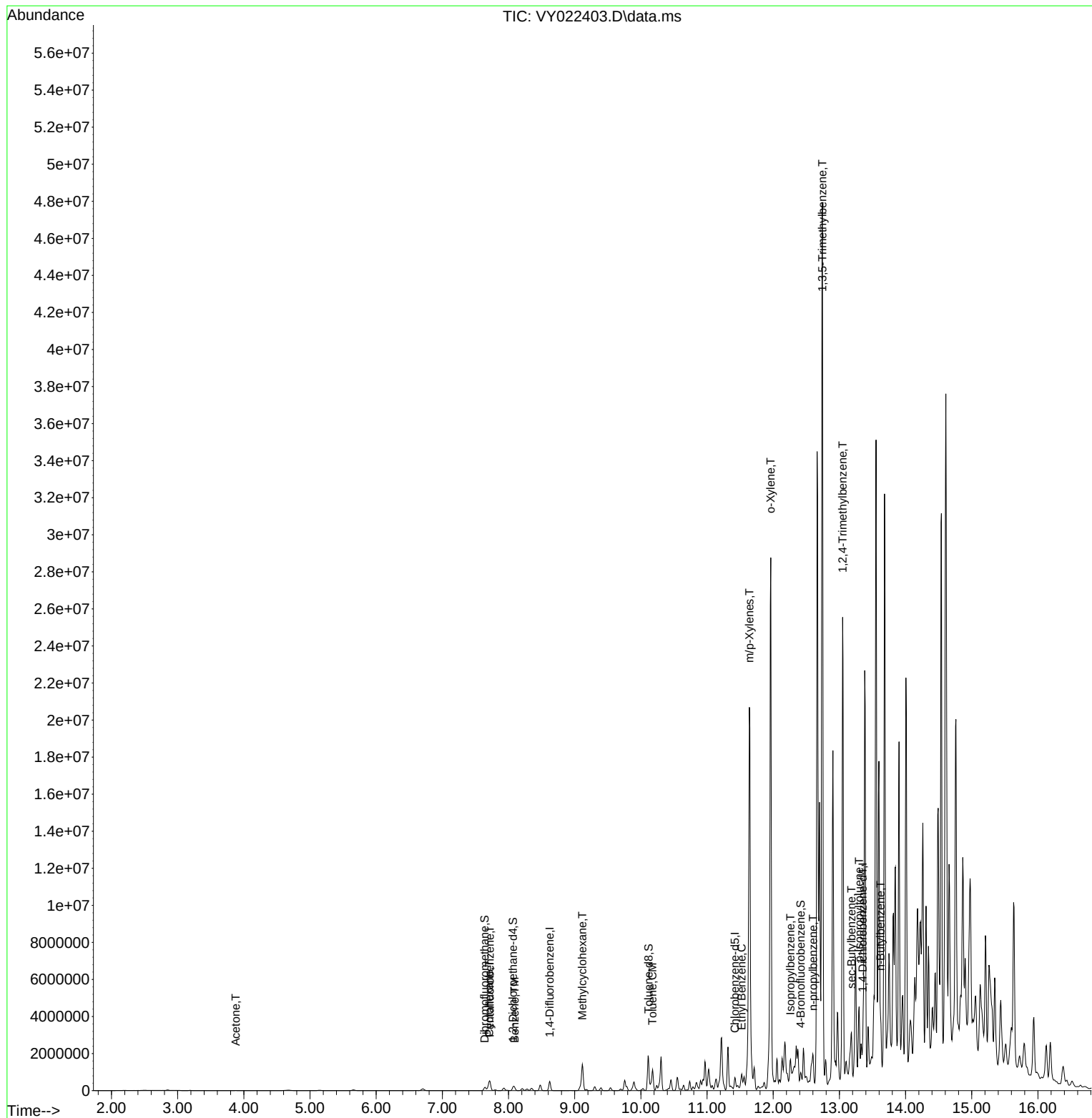
Internal Standards						
1) Pentafluorobenzene	7.719	168	234597	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	407953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	330547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	155760	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	114168	44.529	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.060%
35) Dibromofluoromethane	7.640	113	122758	50.416	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.840%
50) Toluene-d8	10.115	98	552290	55.382	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.760%
62) 4-Bromofluorobenzene	12.414	95	157590	49.856	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.720%
Target Compounds						
						Qvalue
16) Acetone	3.879	43	7070	14.706	ug/l	93
31) Cyclohexane	7.707	56	130694	25.198	ug/l	96
39) Methylcyclohexane	9.116	83	577391	107.159	ug/l	95
40) Benzene	8.091	78	142995	12.027	ug/l	99
52) Toluene	10.176	92	431499	57.313	ug/l	100
67) Ethyl Benzene	11.524	91	337502	24.165	ug/l	100
68) m/p-Xylenes	11.640	106	3697162	702.518	ug/l	93
69) o-Xylene	11.963	106	6111078	1227.325	ug/l	83
73) Isopropylbenzene	12.261	105	670113	51.931	ug/l	100
78) n-propylbenzene	12.603	91	1121922	72.082	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	10325259	991.235	ug/l	92
84) 1,2,4-Trimethylbenzene	13.048	105	9807116	948.437	ug/l	91
85) sec-Butylbenzene	13.182	105	1168163	84.998	ug/l	87
86) p-Isopropyltoluene	13.298	119	774515	67.007	ug/l	98
89) n-Butylbenzene	13.621	91	1007822	92.163	ug/l	# 66

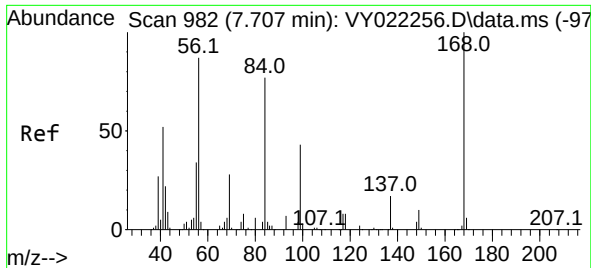
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022403.D
Acq On : 22 May 2025 18:03
Operator : SY/MD
Sample : Q2075-06
Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Quant Time: May 23 03:41:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

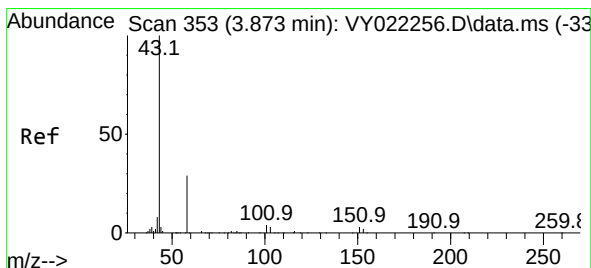
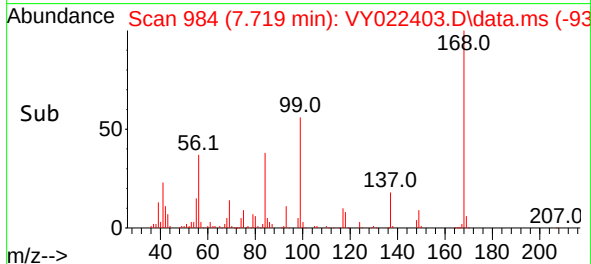
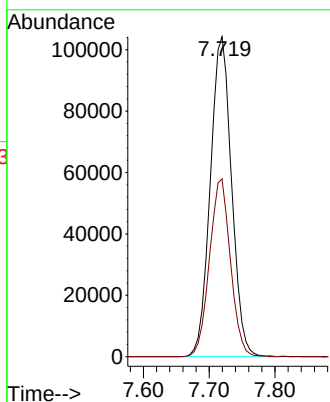
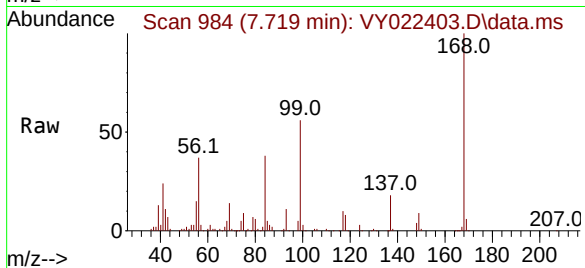




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

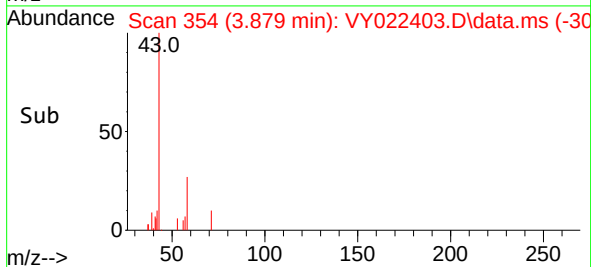
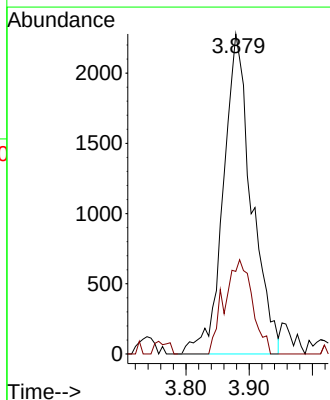
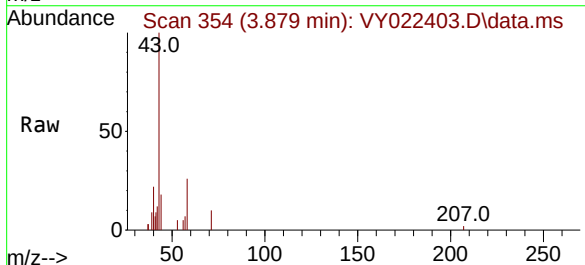
Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

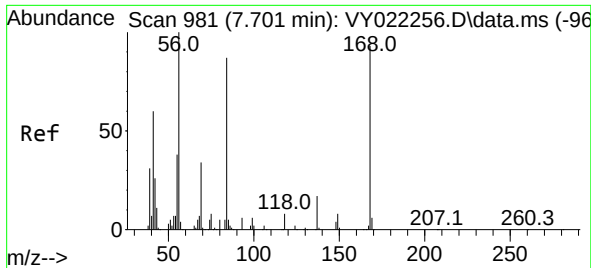
Tgt Ion:168 Resp: 234597
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#16
Acetone
Concen: 14.706 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion: 43 Resp: 7070
Ion Ratio Lower Upper
43 100
58 25.8 23.6 35.4

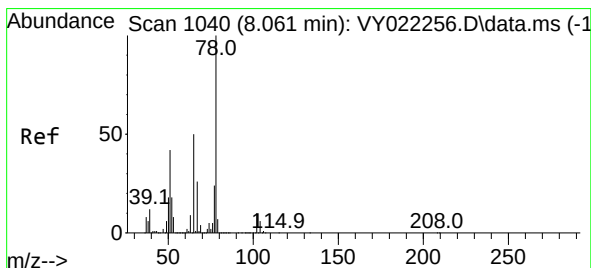
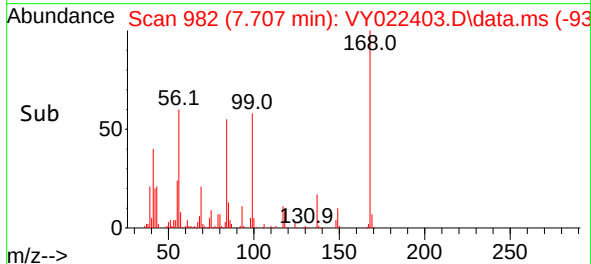
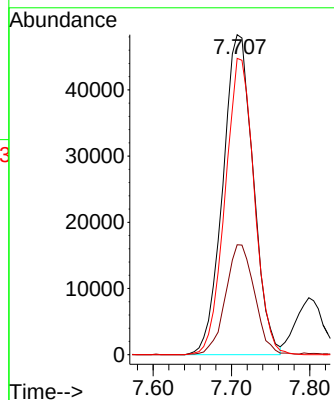
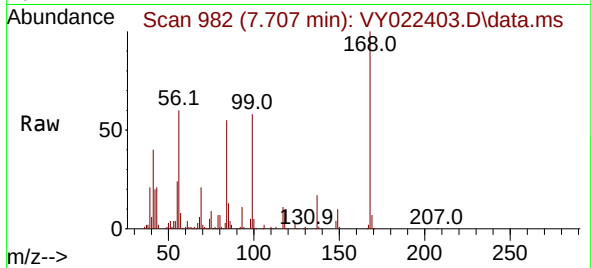




#31
Cyclohexane
Concen: 25.198 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

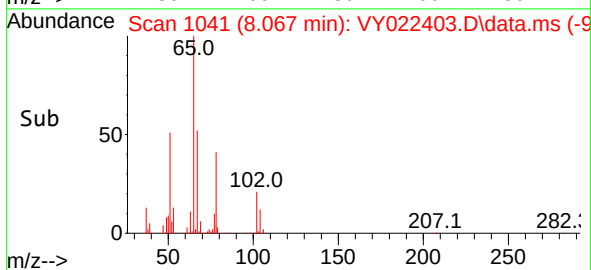
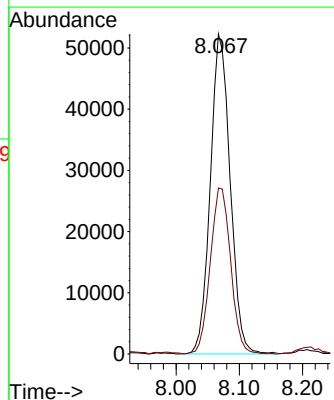
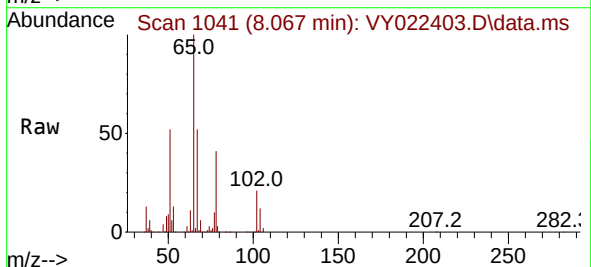
Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

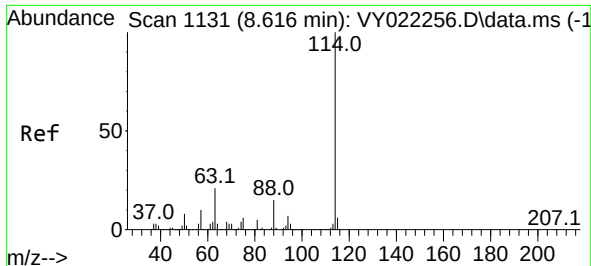
Tgt Ion: 56 Resp: 130694
Ion Ratio Lower Upper
56 100
69 34.4 27.4 41.2
84 92.6 70.0 105.0



#33
1,2-Dichloroethane-d4
Concen: 44.529 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion: 65 Resp: 114168
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.6

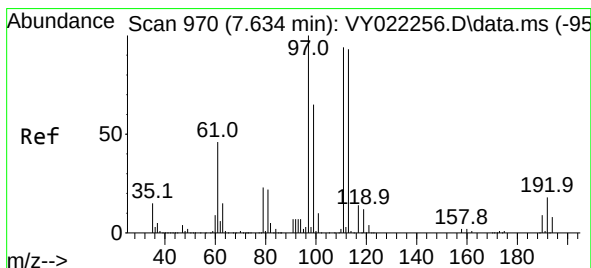
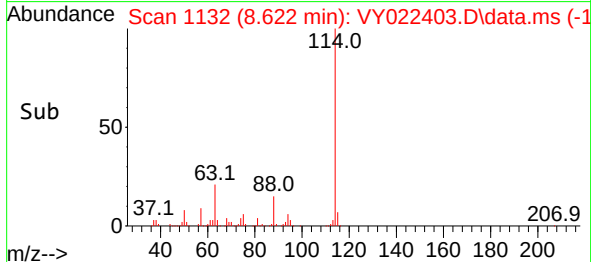
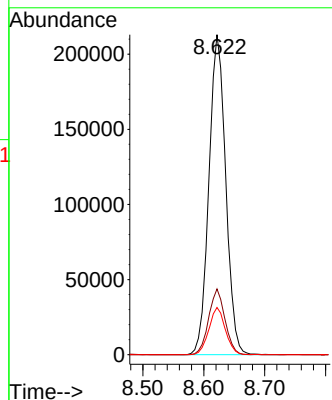
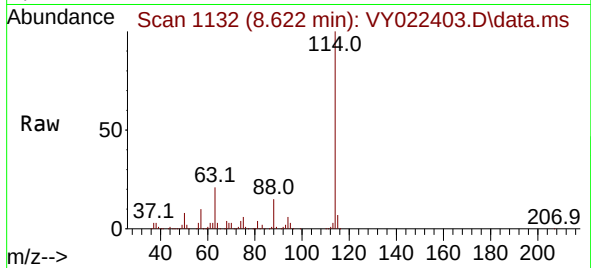




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

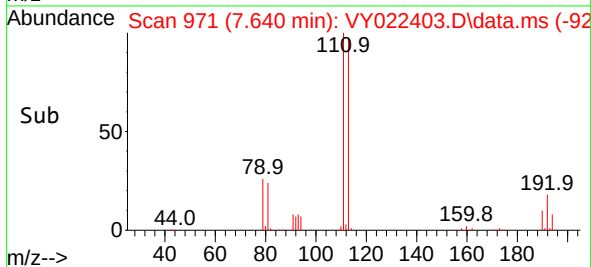
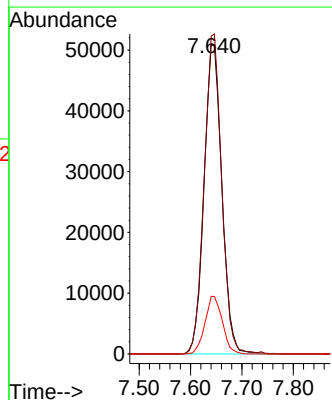
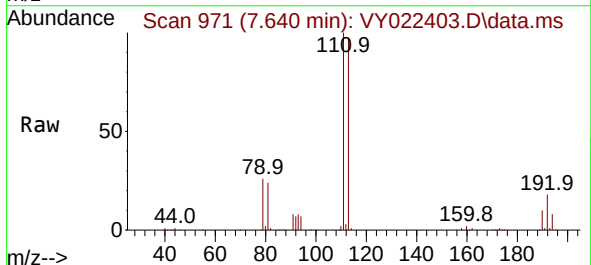
Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

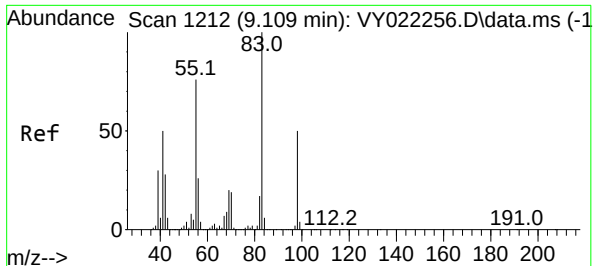
Tgt Ion:114 Resp: 407953
Ion Ratio Lower Upper
114 100
63 20.6 0.0 41.0
88 14.8 0.0 29.4



#35
Dibromofluoromethane
Concen: 50.416 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion:113 Resp: 122758
Ion Ratio Lower Upper
113 100
111 101.5 82.6 123.8
192 18.1 15.2 22.8





#39

Methylcyclohexane

Concen: 107.159 ug/l

RT: 9.116 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022403.D

Acq: 22 May 2025 18:03

Instrument :

MSVOA_Y

ClientSampleId :

SS-MW1-11.5

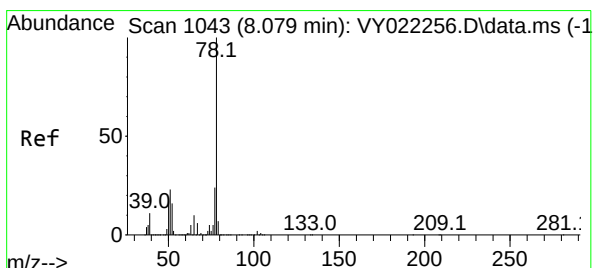
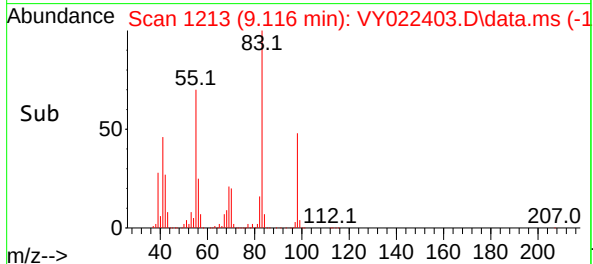
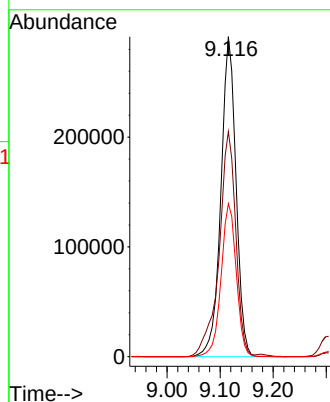
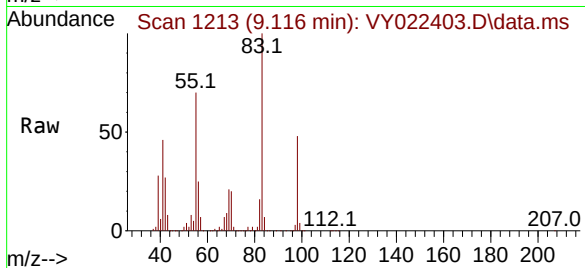
Tgt Ion: 83 Resp: 577391

Ion Ratio Lower Upper

83 100

55 70.3 60.6 90.8

98 47.8 40.0 60.0



#40

Benzene

Concen: 12.027 ug/l

RT: 8.091 min Scan# 1045

Delta R.T. 0.012 min

Lab File: VY022403.D

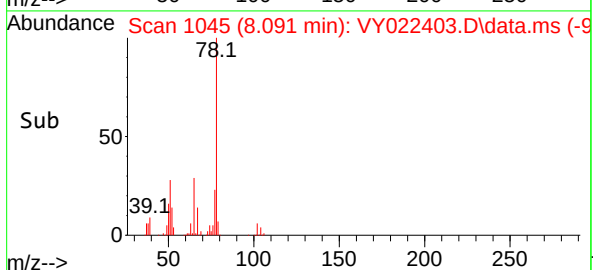
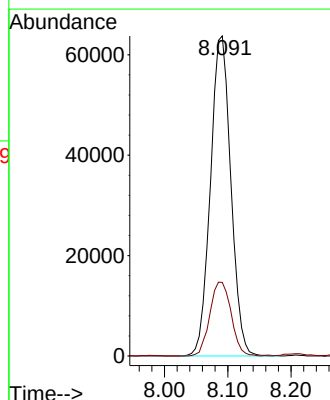
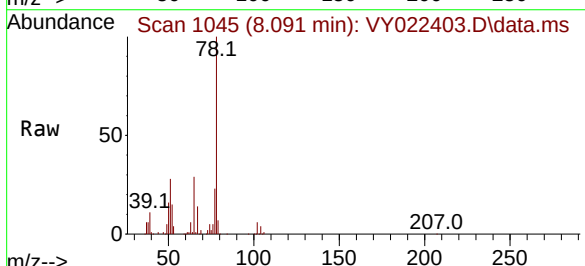
Acq: 22 May 2025 18:03

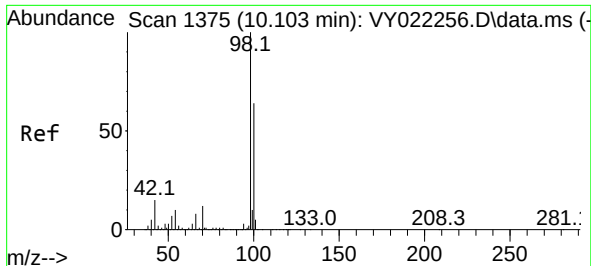
Tgt Ion: 78 Resp: 142995

Ion Ratio Lower Upper

78 100

77 23.0 18.9 28.3

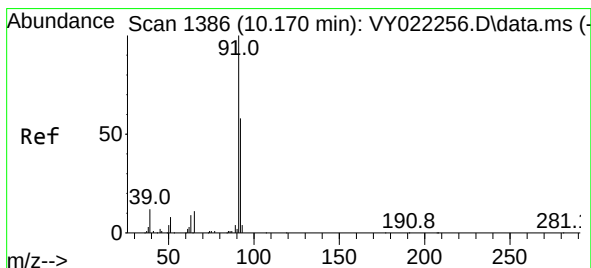
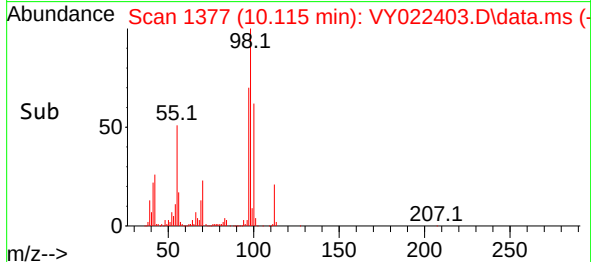
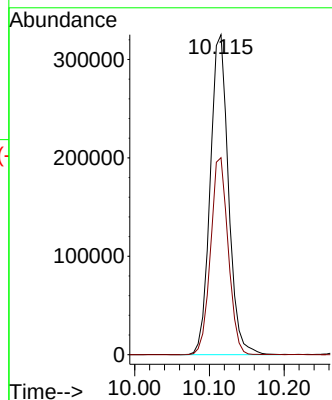
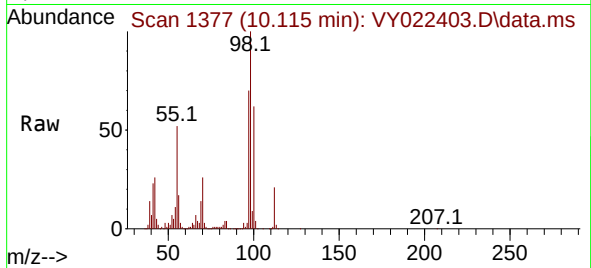




#50
Toluene-d8
Concen: 55.382 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

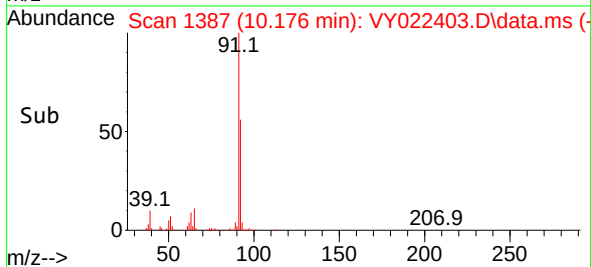
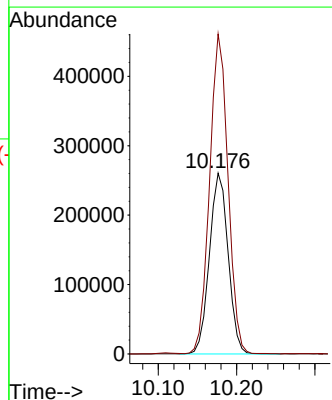
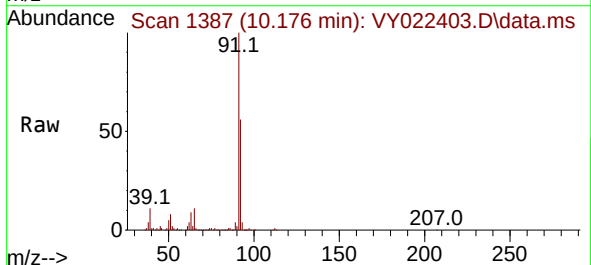
Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

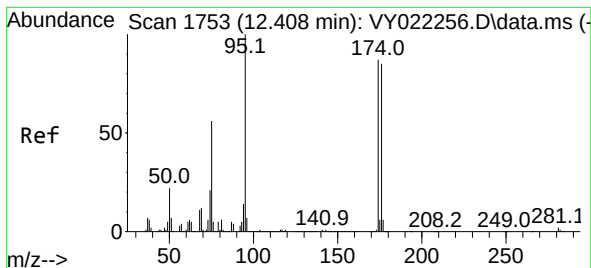
Tgt Ion: 98 Resp: 552290
Ion Ratio Lower Upper
98 100
100 59.4 51.8 77.8



#52
Toluene
Concen: 57.313 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion: 92 Resp: 431499
Ion Ratio Lower Upper
92 100
91 173.6 139.1 208.7

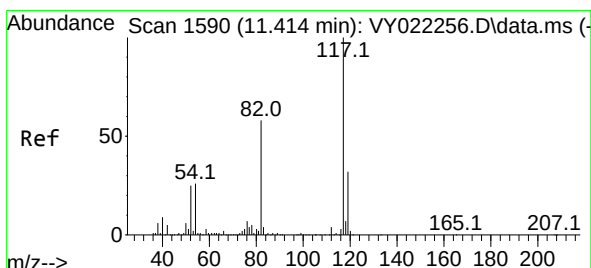
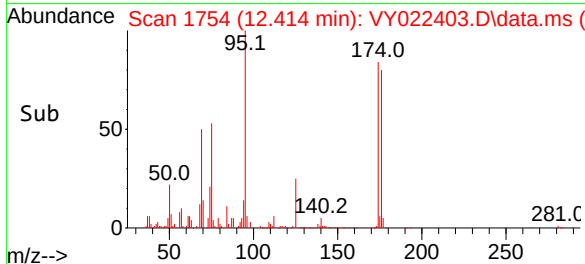
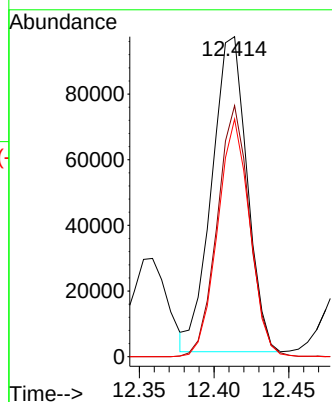
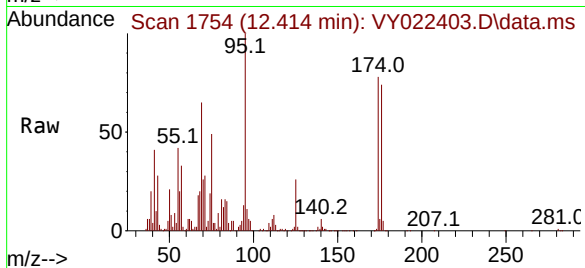




#62
4-Bromofluorobenzene
Concen: 49.856 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

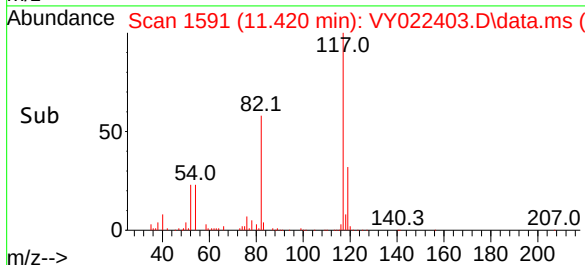
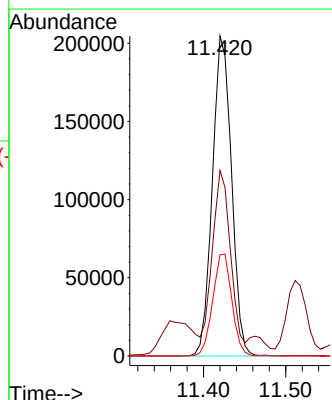
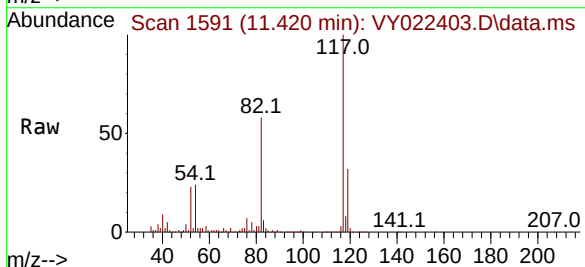
Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

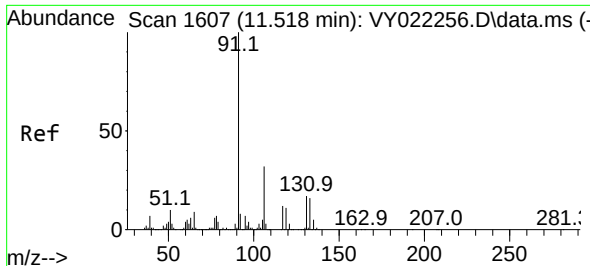
Tgt Ion: 95 Resp: 157590
Ion Ratio Lower Upper
95 100
174 73.1 0.0 166.8
176 68.8 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion: 117 Resp: 330547
Ion Ratio Lower Upper
117 100
82 53.1 46.6 70.0
119 31.6 25.8 38.6





#67

Ethyl Benzene

Concen: 24.165 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY022403.D

Acq: 22 May 2025 18:03

Instrument :

MSVOA_Y

ClientSampleId :

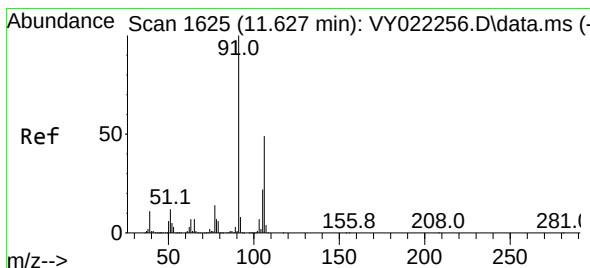
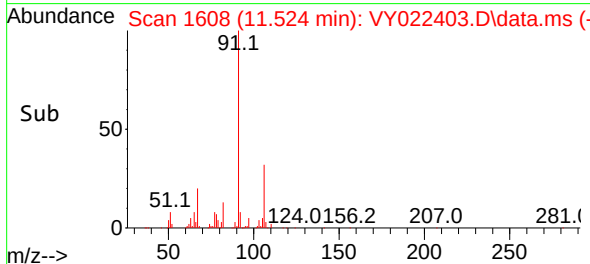
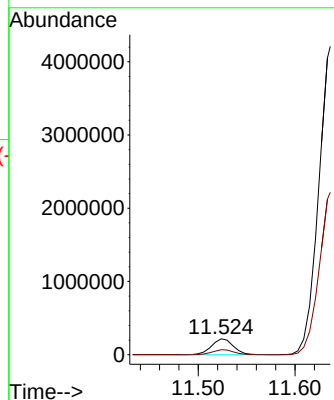
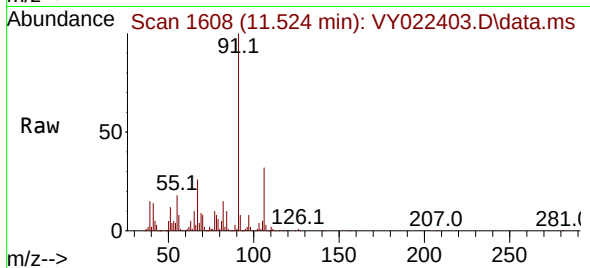
SS-MW1-11.5

Tgt Ion: 91 Resp: 337502

Ion Ratio Lower Upper

91 100

106 31.6 25.4 38.0



#68

m/p-Xylenes

Concen: 702.518 ug/l

RT: 11.640 min Scan# 1627

Delta R.T. 0.012 min

Lab File: VY022403.D

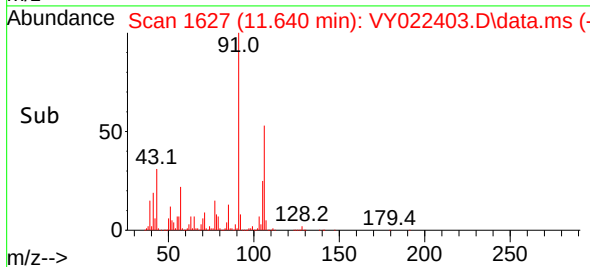
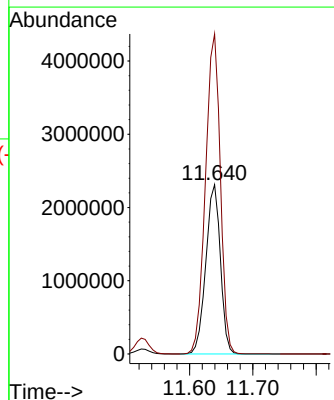
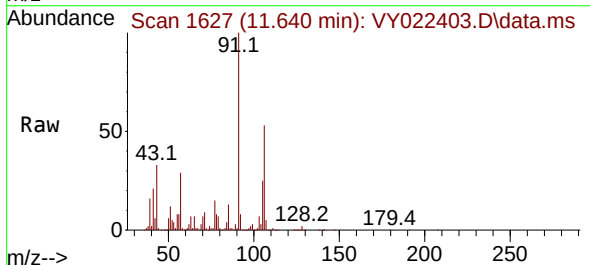
Acq: 22 May 2025 18:03

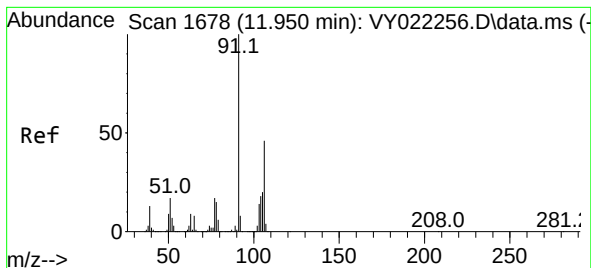
Tgt Ion:106 Resp: 3697162

Ion Ratio Lower Upper

106 100

91 192.9 163.0 244.4

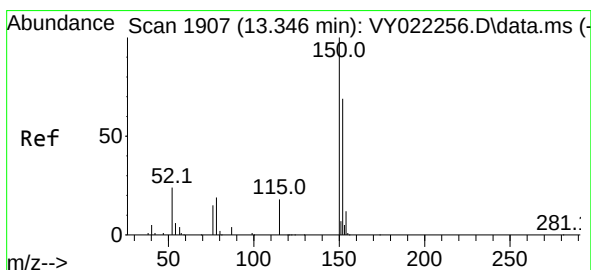
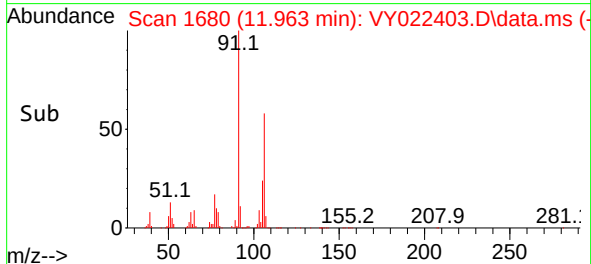
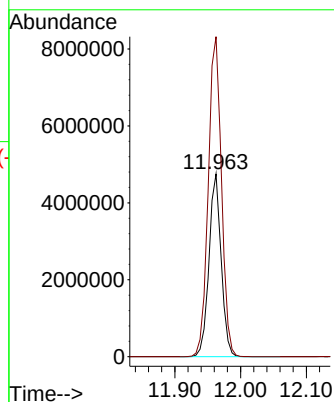
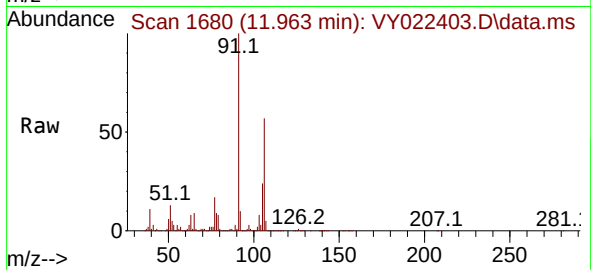




#69
o-Xylene
Concen: 1227.325 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.012 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

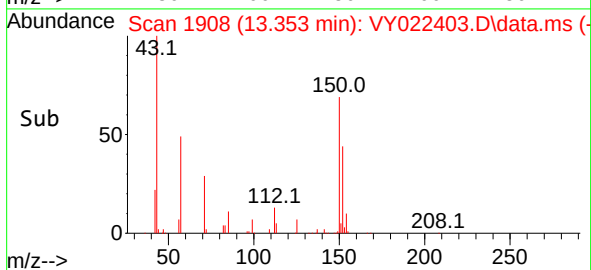
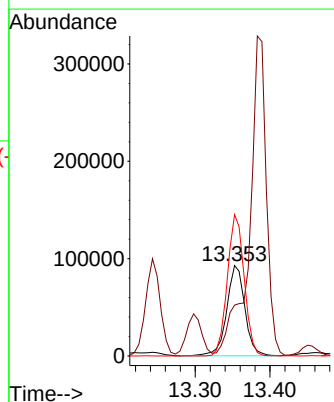
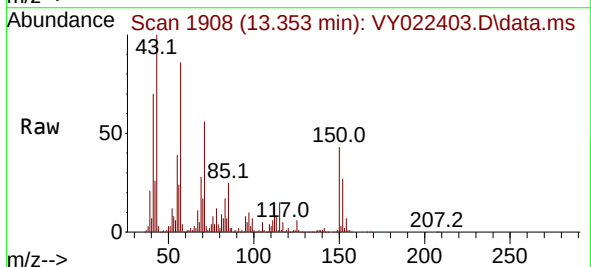
Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

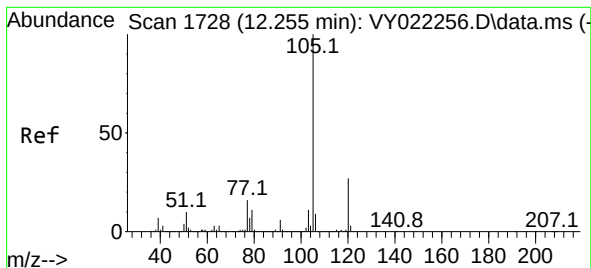
Tgt Ion:106 Resp: 6111078
Ion Ratio Lower Upper
106 100
91 190.2 108.3 324.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion:152 Resp: 155760
Ion Ratio Lower Upper
152 100
115 0.0 29.4 88.2#
150 146.2 0.0 353.8





#73

Isopropylbenzene

Concen: 51.931 ug/l

RT: 12.261 min Scan# 1728

Delta R.T. 0.006 min

Lab File: VY022403.D

Acq: 22 May 2025 18:03

Instrument :

MSVOA_Y

ClientSampleId :

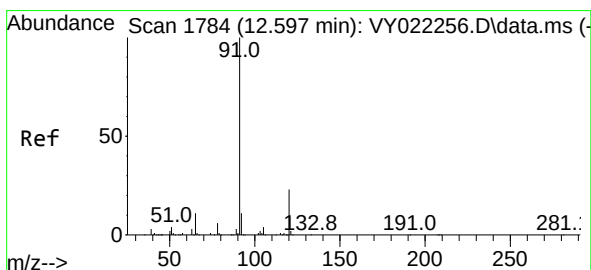
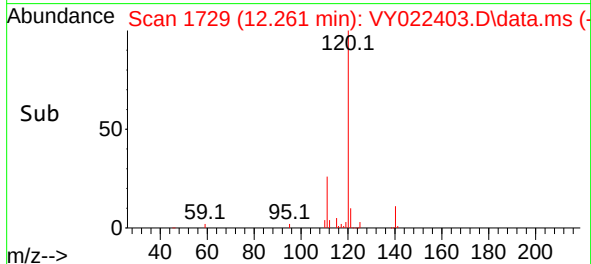
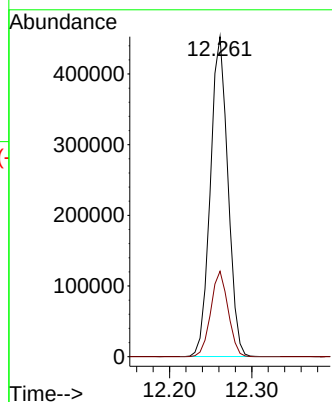
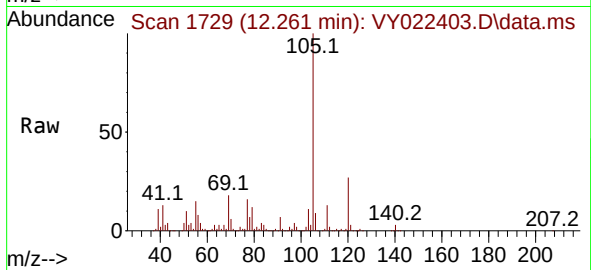
SS-MW1-11.5

Tgt Ion:105 Resp: 670113

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#78

n-propylbenzene

Concen: 72.082 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VY022403.D

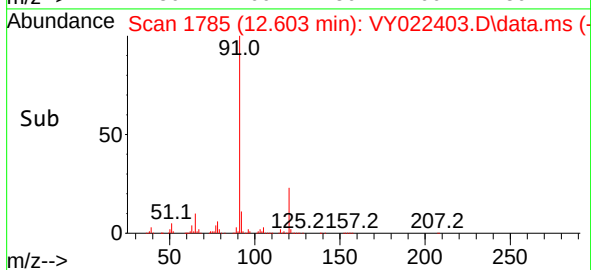
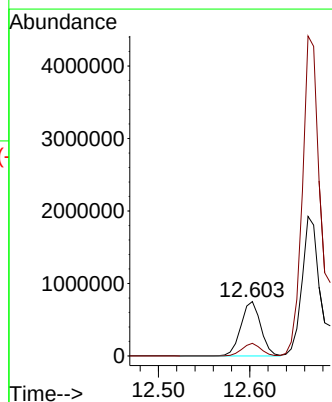
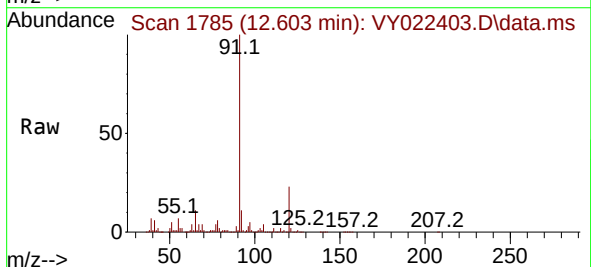
Acq: 22 May 2025 18:03

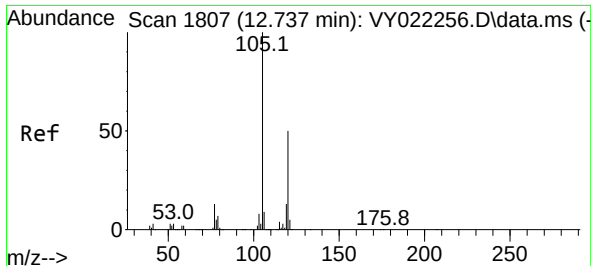
Tgt Ion: 91 Resp: 1121922

Ion Ratio Lower Upper

91 100

120 22.5 11.1 33.3

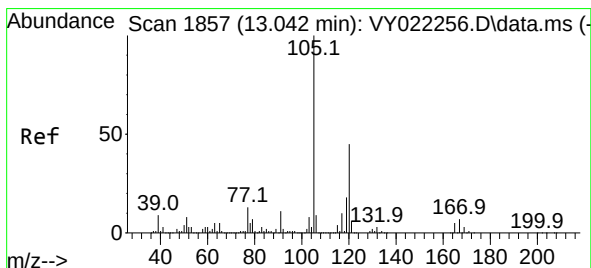
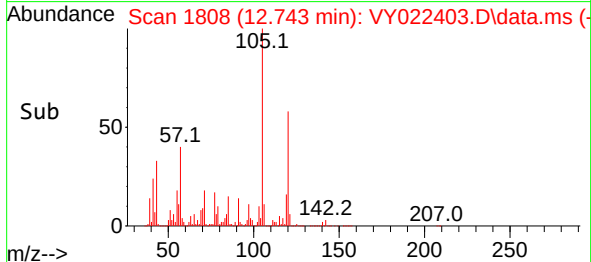
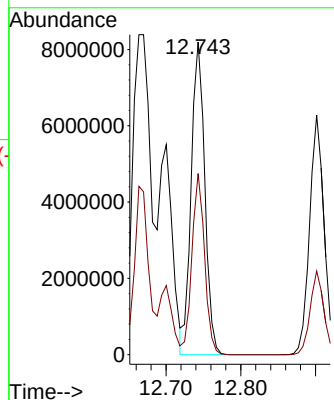
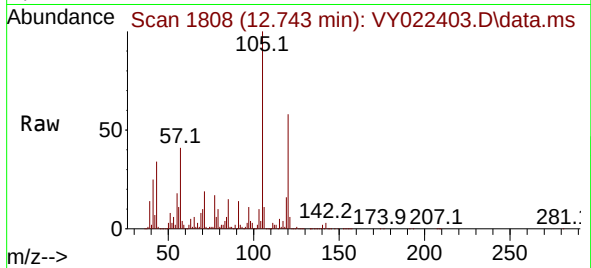




#80
1,3,5-Trimethylbenzene
Concen: 991.235 ug/l
RT: 12.743 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

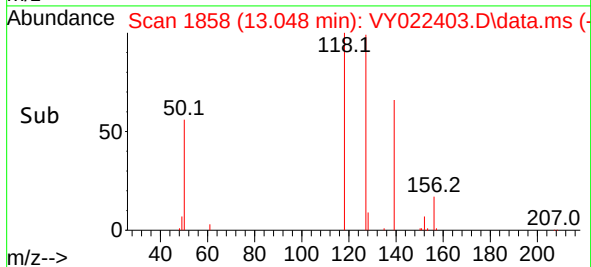
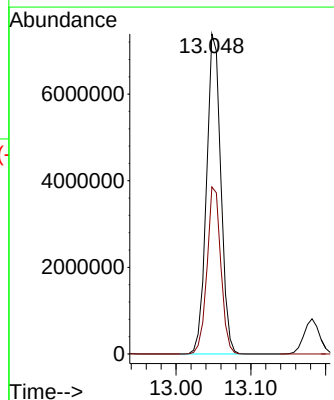
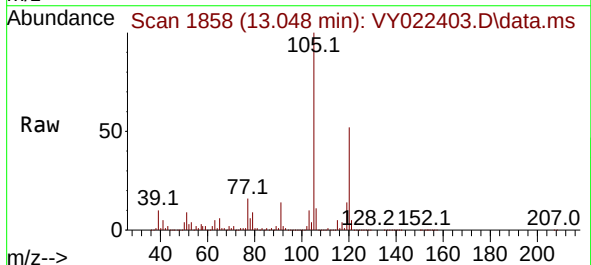
Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

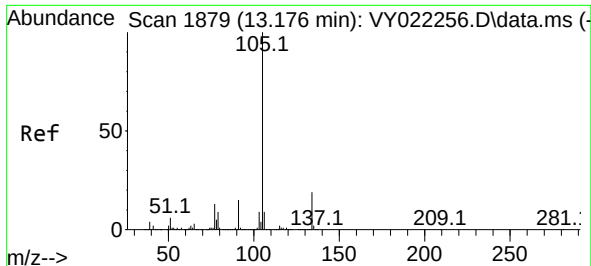
Tgt Ion:105 Resp:10325259
Ion Ratio Lower Upper
105 100
120 54.2 24.2 72.6



#84
1,2,4-Trimethylbenzene
Concen: 948.437 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion:105 Resp: 9807116
Ion Ratio Lower Upper
105 100
120 50.3 22.3 66.9

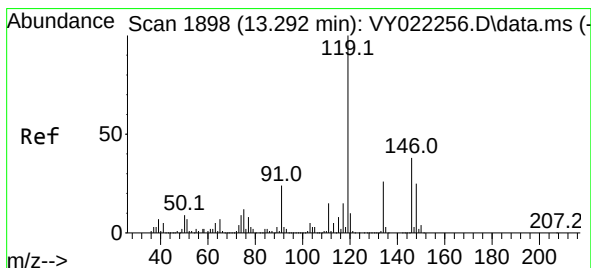
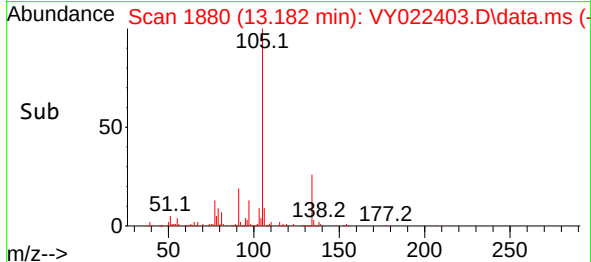
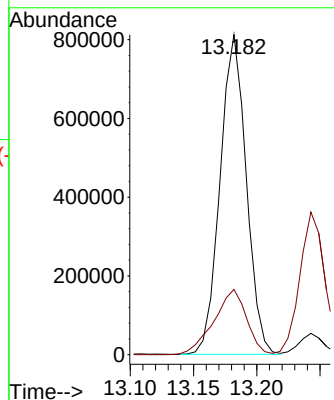
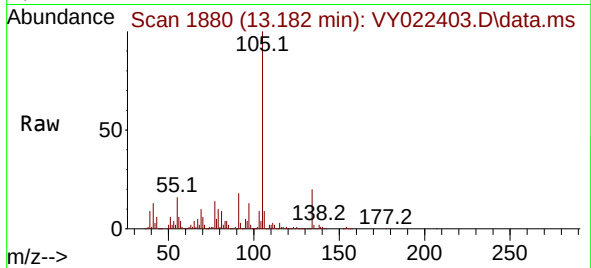




#85
 sec-Butylbenzene
 Concen: 84.998 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. 0.006 min
 Lab File: VY022403.D
 Acq: 22 May 2025 18:03

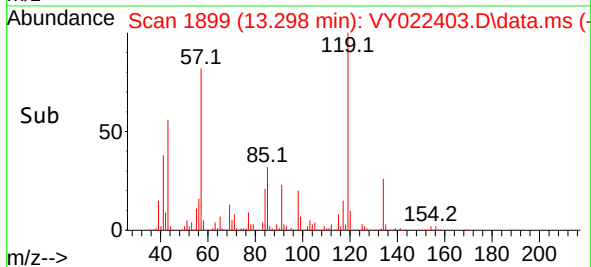
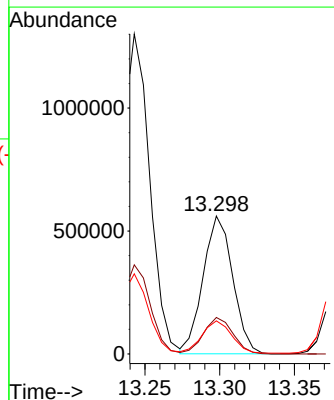
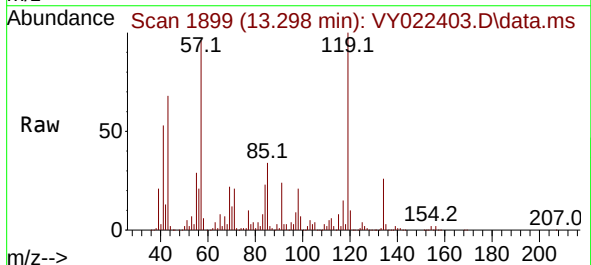
Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-MW1-11.5

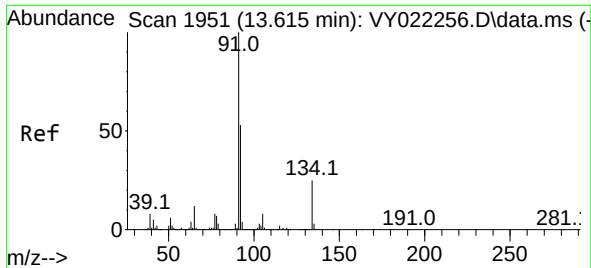
Tgt Ion:105 Resp: 1168163
 Ion Ratio Lower Upper
 105 100
 134 25.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 67.007 ug/l
 RT: 13.298 min Scan# 1899
 Delta R.T. 0.006 min
 Lab File: VY022403.D
 Acq: 22 May 2025 18:03

Tgt Ion:119 Resp: 774515
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.9 38.6
 91 23.2 12.1 36.3





#89

n-Butylbenzene

Concen: 92.163 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY022403.D

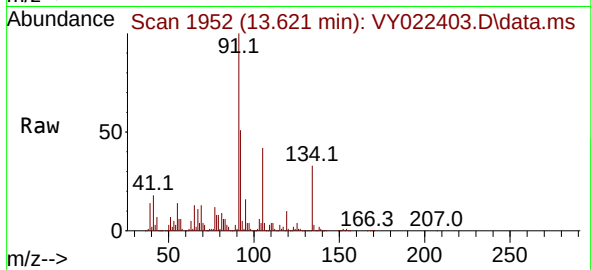
Acq: 22 May 2025 18:03

Instrument :

MSVOA_Y

ClientSampleId :

SS-MW1-11.5



Tgt Ion: 91 Resp: 1007822

Ion Ratio Lower Upper

91 100

92 71.8 26.3 78.9

134 0.0 12.4 37.4#

