

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010625\
 Data File : VY020786.D
 Acq On : 06 Jan 2025 16:22
 Operator : SY/MD
 Sample : Q1010-02RE
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-010325RE

Quant Time: Jan 07 02:04:16 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)

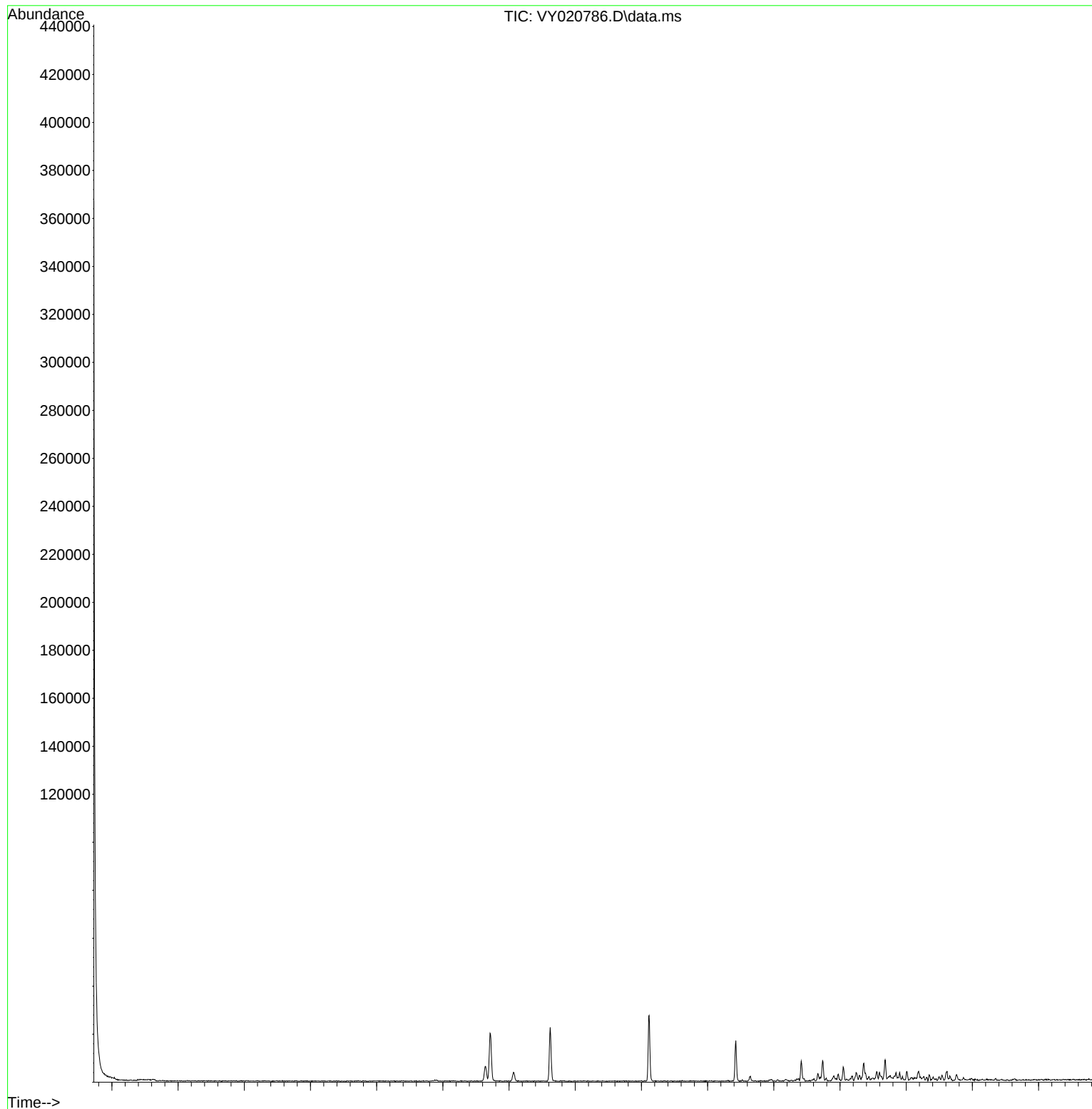
Internal Standards						
1) Pentafluorobenzene	7.720	168	16952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	19637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	10192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	1741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	3400	23.597	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	47.200%#
35) Dibromofluoromethane	7.640	113	4889	39.740	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.480%
50) Toluene-d8	10.115	98	19740	46.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.060%
62) 4-Bromofluorobenzene	12.414	95	2709	17.105	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	34.220%
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.634	106	444	2.956	ug/l	95
69) o-Xylene	11.969	106	268	1.882	ug/l	100
73) Isopropylbenzene	12.268	105	518	3.750	ug/l #	65
78) n-propylbenzene	12.603	91	1018	6.494	ug/l	94
80) 1,3,5-Trimethylbenzene	12.743	105	1316	11.757	ug/l	91
84) 1,2,4-Trimethylbenzene	13.048	105	3267	29.889	ug/l	91
85) sec-Butylbenzene	13.182	105	1081	7.392	ug/l	88
86) p-Isopropyltoluene	13.304	119	634	5.082	ug/l	89
89) n-Butylbenzene	13.627	91	773	7.143	ug/l #	81

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

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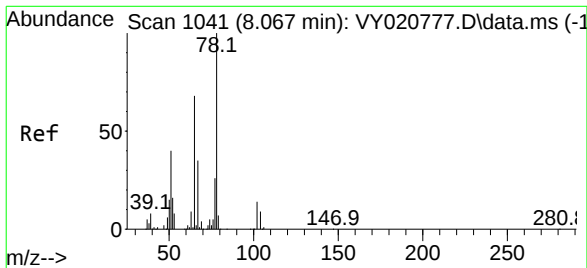
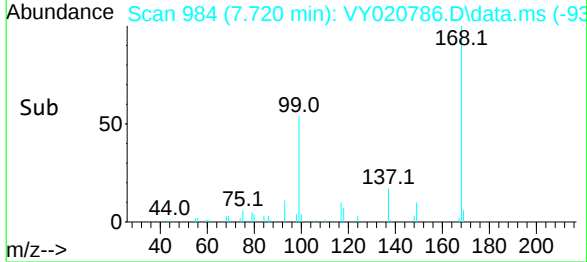
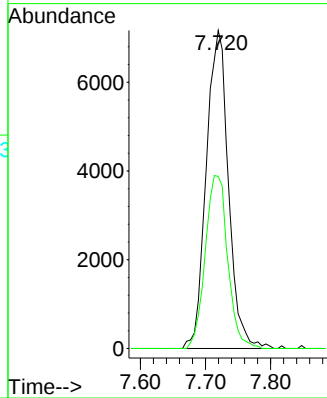
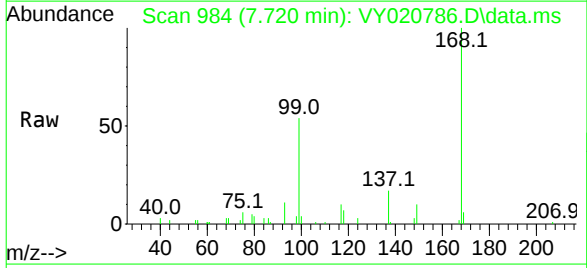




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 98
Delta R.T. 0.007 min
Lab File: VY020786.D
Acq: 06 Jan 2025 16:22

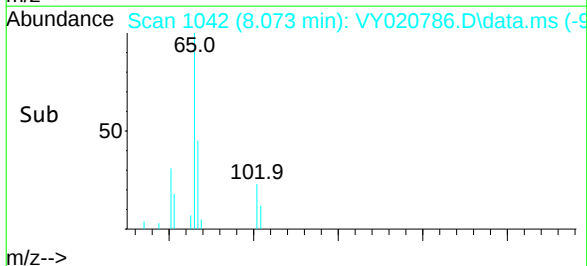
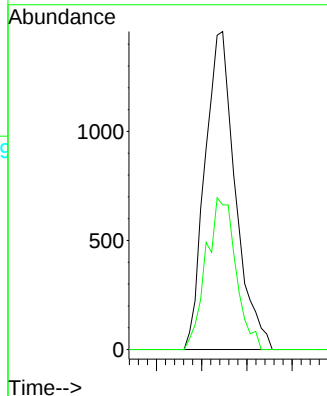
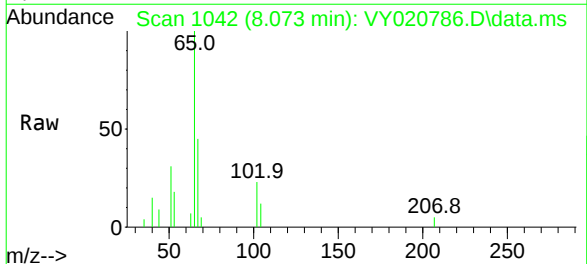
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-010325RE

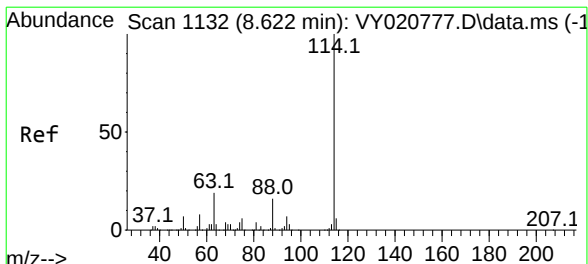
Tgt Ion:168 Resp: 16952
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 23.597 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY020786.D
Acq: 06 Jan 2025 16:22

Tgt Ion: 65 Resp: 3400
Ion Ratio Lower Upper
65 100
67 46.8 0.0 102.8

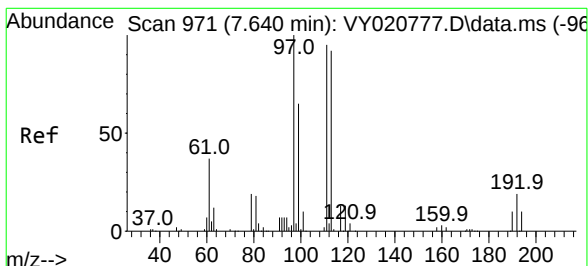
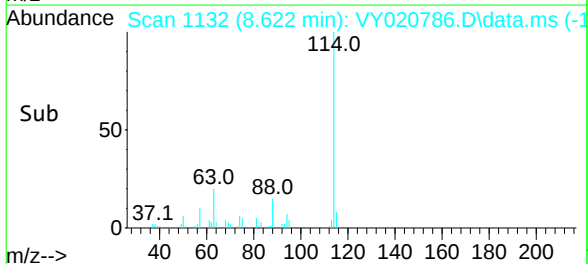
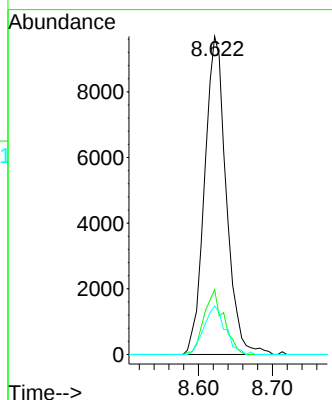
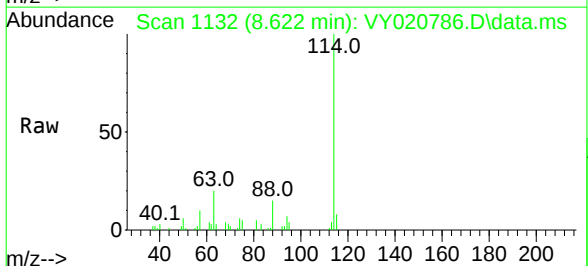




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.622 min Scan# 1132
 Delta R.T. 0.000 min
 Lab File: VY020786.D
 Acq: 06 Jan 2025 16:22

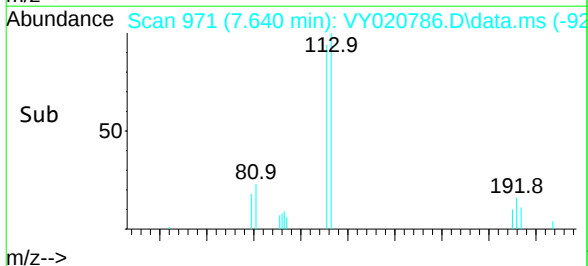
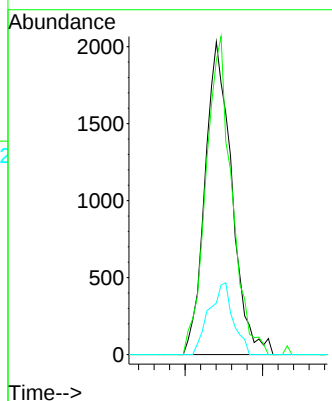
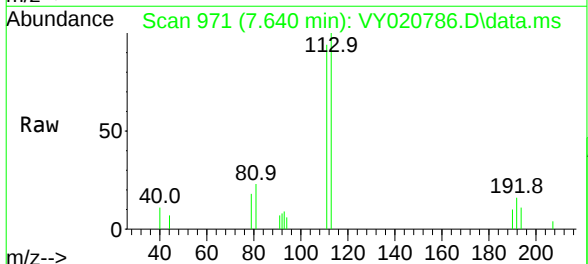
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-010325RE

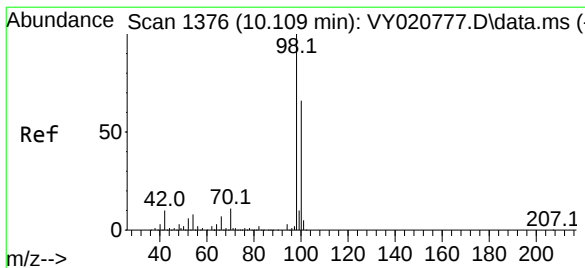
Tgt Ion:	114	Resp:	19637
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	38.4
88	15.2	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 39.740 ug/l
 RT: 7.640 min Scan# 971
 Delta R.T. 0.000 min
 Lab File: VY020786.D
 Acq: 06 Jan 2025 16:22

Tgt Ion:	113	Resp:	4889
Ion	Ratio	Lower	Upper
113	100		
111	97.8	81.7	122.5
192	20.5	16.7	25.1





#50

Toluene-d8

Concen: 46.029 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY020786.D

Acq: 06 Jan 2025 16:22

Instrument :

MSVOA_Y

ClientSampleId :

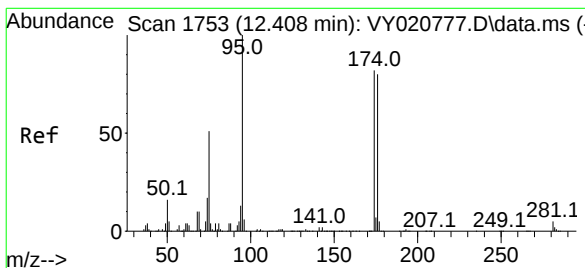
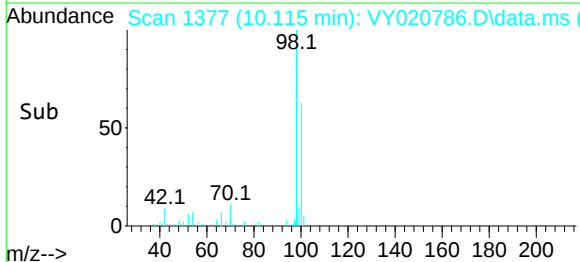
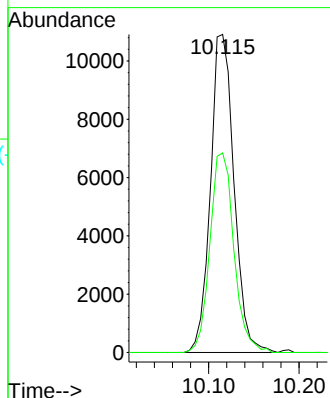
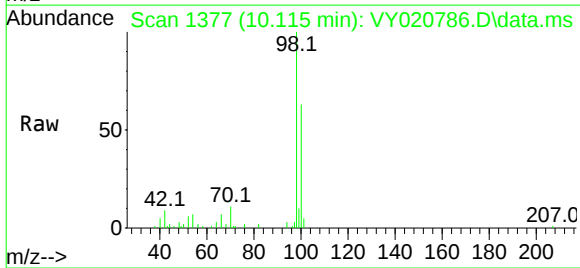
TR-04-010325RE

Tgt Ion: 98 Resp: 19740

Ion Ratio Lower Upper

98 100

100 64.0 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 17.105 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.006 min

Lab File: VY020786.D

Acq: 06 Jan 2025 16:22

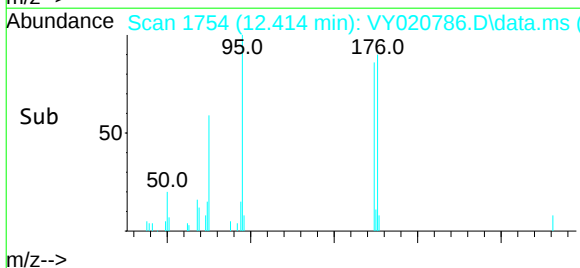
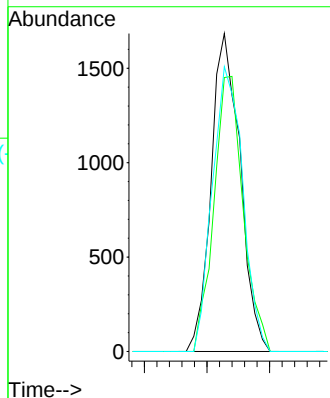
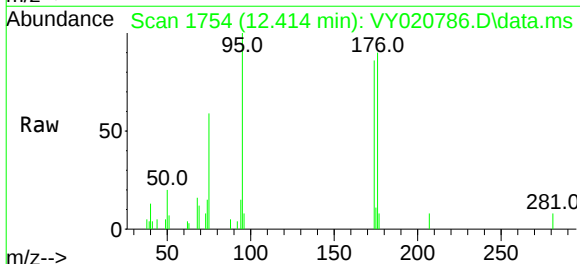
Tgt Ion: 95 Resp: 2709

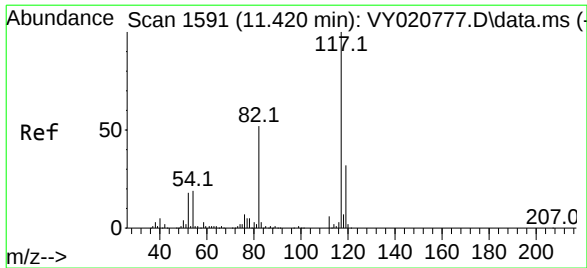
Ion Ratio Lower Upper

95 100

174 87.3 0.0 178.0

176 93.5 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY020786.D

Acq: 06 Jan 2025 16:22

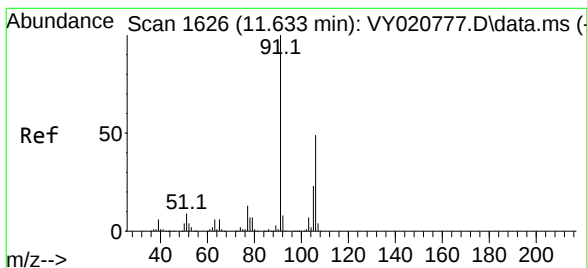
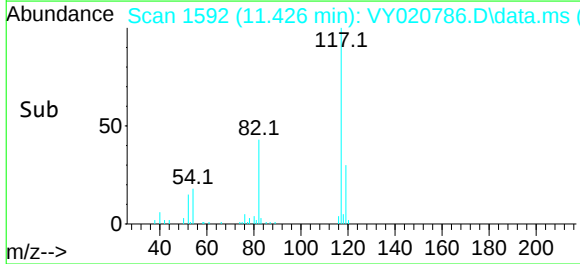
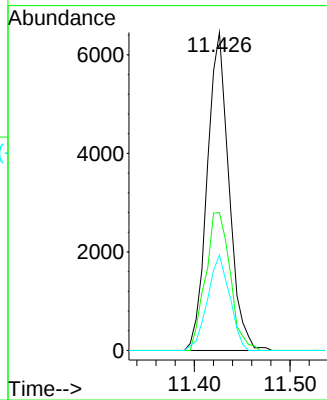
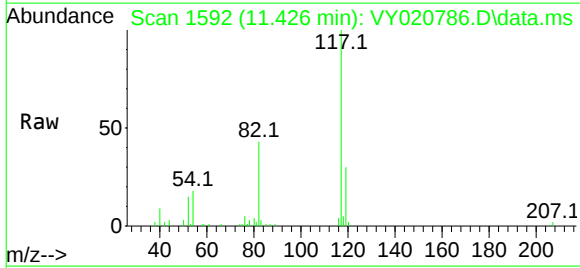
Instrument :

MSVOA_Y

ClientSampleId :

TR-04-010325RE

Tgt Ion:	117	Resp:	10192
Ion	Ratio	Lower	Upper
117	100		
82	43.4	41.8	62.6
119	30.0	25.8	38.8



#68

m/p-Xylenes

Concen: 2.956 ug/l

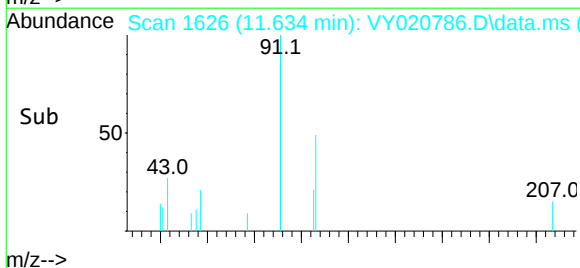
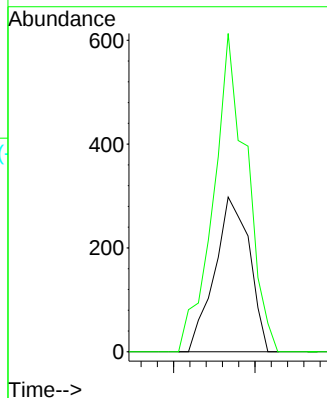
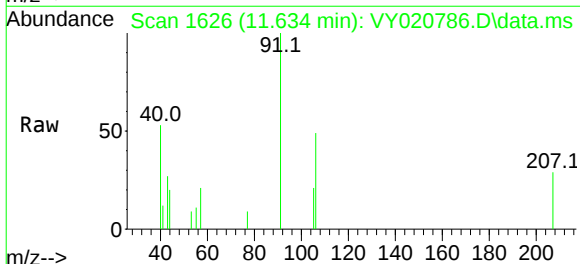
RT: 11.634 min Scan# 1626

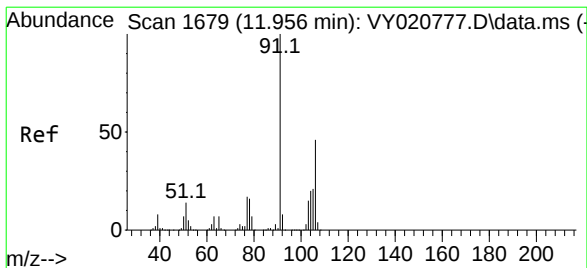
Delta R.T. 0.000 min

Lab File: VY020786.D

Acq: 06 Jan 2025 16:22

Tgt Ion:	106	Resp:	444
Ion	Ratio	Lower	Upper
106	100		
91	195.9	162.6	243.8





#69

o-Xylene

Concen: 1.882 ug/l

RT: 11.969 min Scan# 1679

Delta R.T. 0.012 min

Lab File: VY020786.D

Acq: 06 Jan 2025 16:22

Instrument :

MSVOA_Y

ClientSampleId :

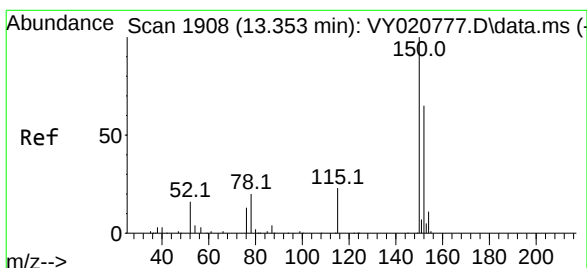
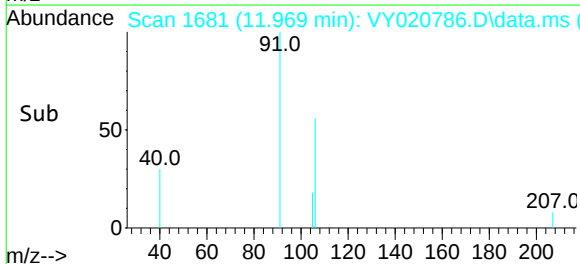
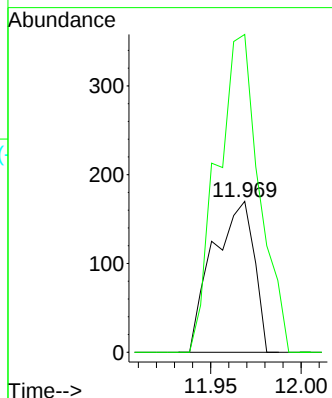
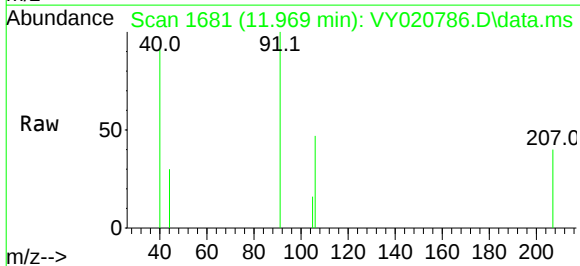
TR-04-010325RE

Tgt Ion:106 Resp: 268

Ion Ratio Lower Upper

106 100

91 217.2 108.2 324.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020786.D

Acq: 06 Jan 2025 16:22

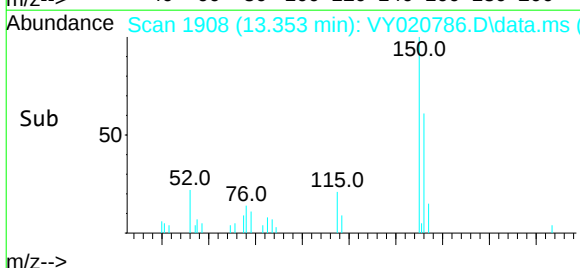
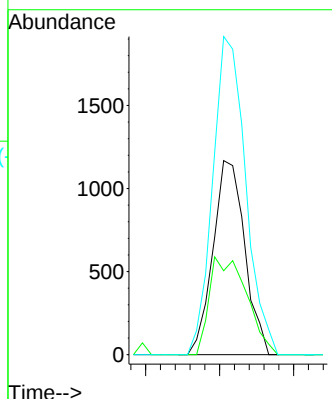
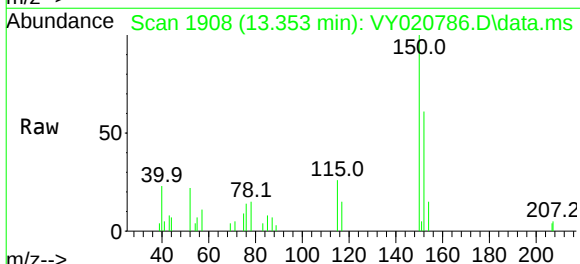
Tgt Ion:152 Resp: 1741

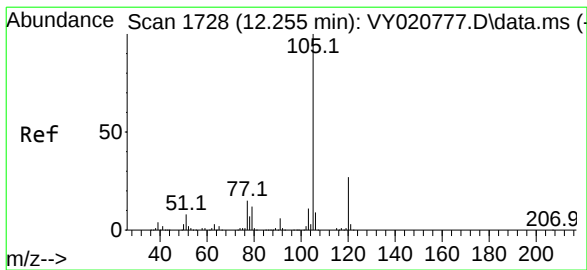
Ion Ratio Lower Upper

152 100

115 59.1 29.0 87.0

150 170.0 0.0 347.4





#73

Isopropylbenzene

Concen: 3.750 ug/l

RT: 12.268 min Scan# 17

Delta R.T. 0.012 min

Lab File: VY020786.D

Acq: 06 Jan 2025 16:22

Instrument :

MSVOA_Y

ClientSampleId :

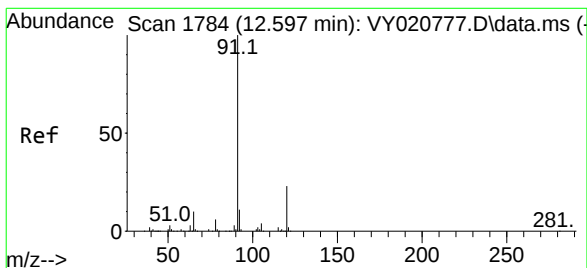
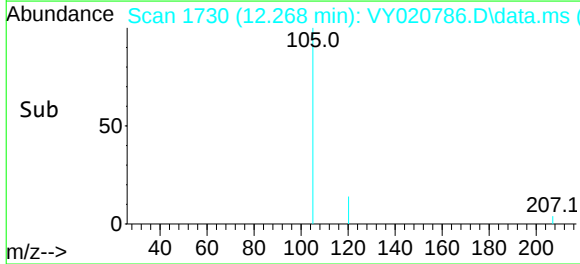
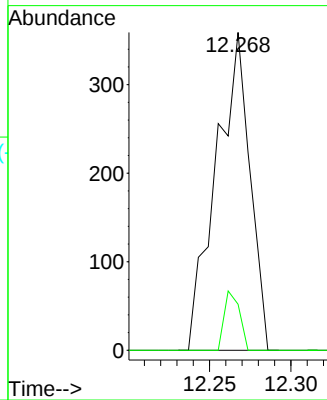
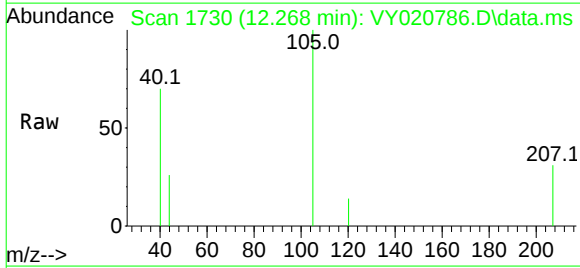
TR-04-010325RE

Tgt Ion: 105 Resp: 518

Ion Ratio Lower Upper

105 100

120 8.5 13.3 39.9#



#78

n-propylbenzene

Concen: 6.494 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VY020786.D

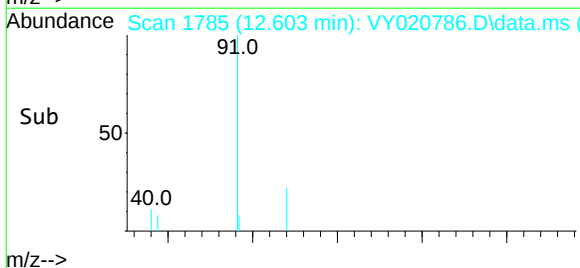
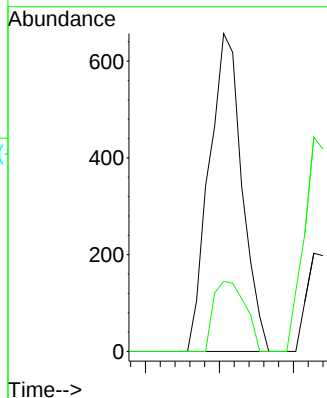
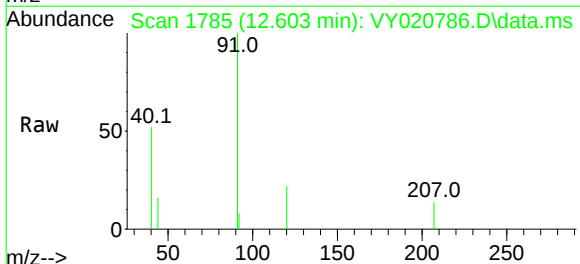
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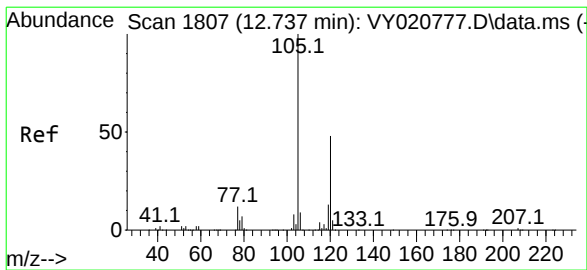
Tgt Ion: 91 Resp: 1018

Ion Ratio Lower Upper

91 100

120 21.2 12.0 36.1





#80

1,3,5-Trimethylbenzene

Concen: 11.757 ug/l

RT: 12.743 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY020786.D

Acq: 06 Jan 2025 16:22

Instrument :

MSVOA_Y

ClientSampleId :

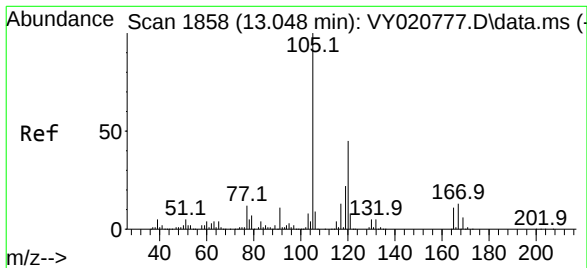
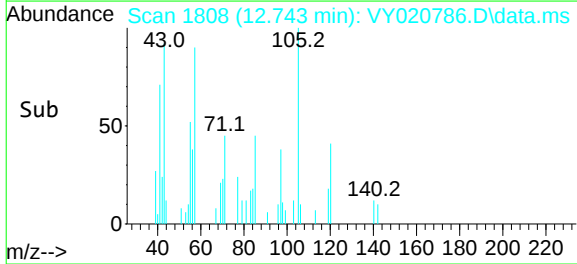
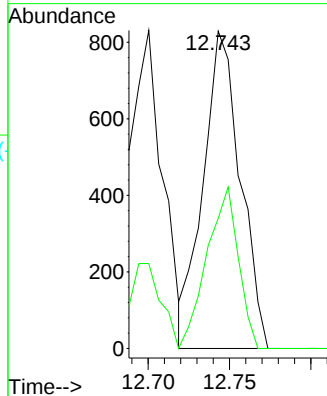
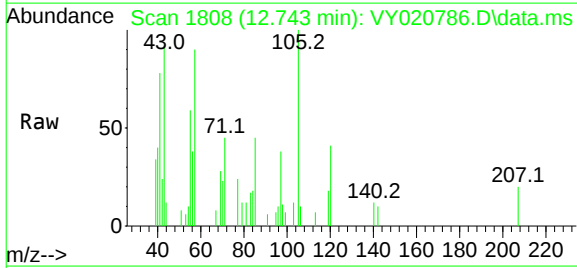
TR-04-010325RE

Tgt Ion:105 Resp: 1316

Ion Ratio Lower Upper

105 100

120 43.1 24.5 73.5



#84

1,2,4-Trimethylbenzene

Concen: 29.889 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VY020786.D

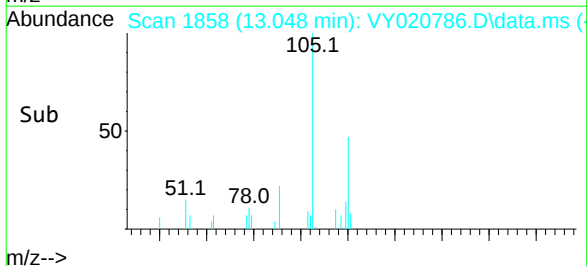
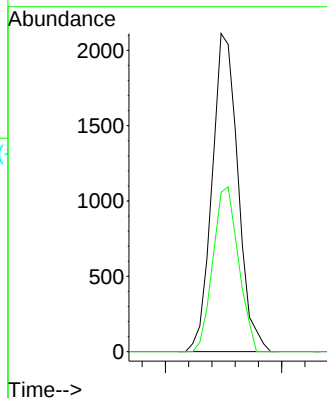
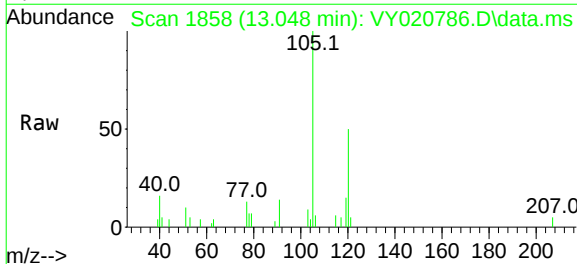
Acq: 06 Jan 2025 16:22

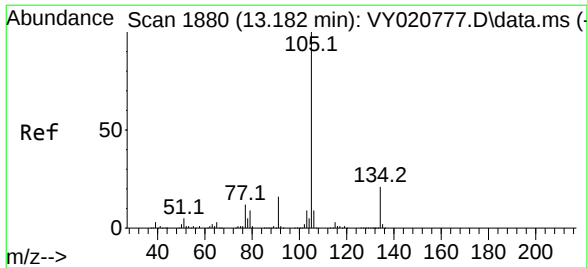
Tgt Ion:105 Resp: 3267

Ion Ratio Lower Upper

105 100

120 50.9 22.4 67.2





#85

sec-Butylbenzene

Concen: 7.392 ug/l

RT: 13.182 min Scan# 18

Delta R.T. 0.000 min

Lab File: VY020786.D

Acq: 06 Jan 2025 16:22

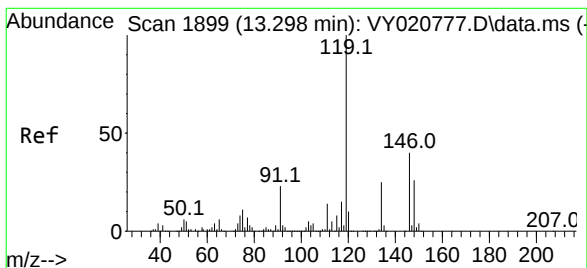
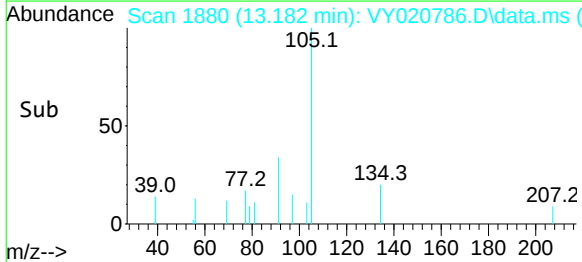
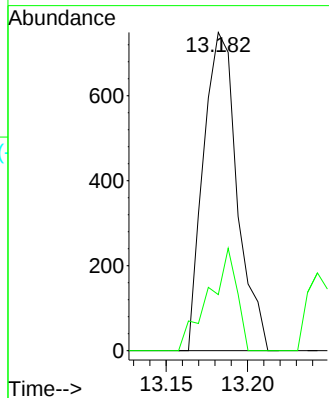
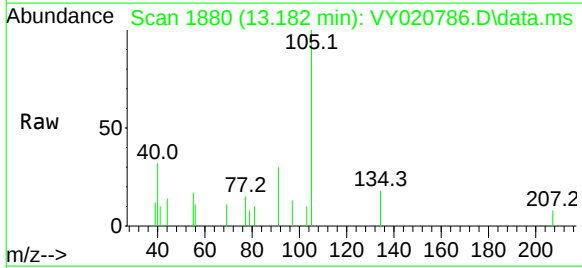
Instrument :

MSVOA_Y

ClientSampleId :

TR-04-010325RE

Tgt Ion:105 Resp: 1081
 Ion Ratio Lower Upper
 105 100
 134 26.7 10.5 31.5



#86

p-Isopropyltoluene

Concen: 5.082 ug/l

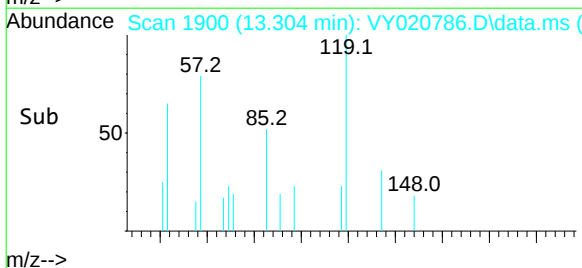
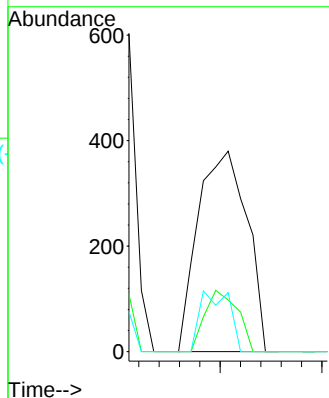
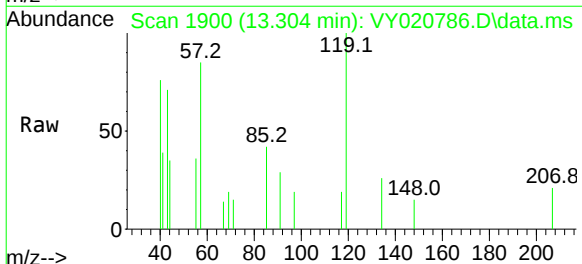
RT: 13.304 min Scan# 1900

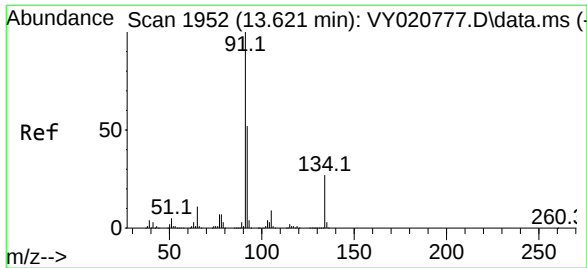
Delta R.T. 0.006 min

Lab File: VY020786.D

Acq: 06 Jan 2025 16:22

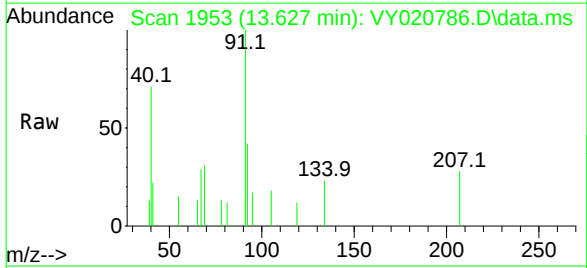
Tgt Ion:119 Resp: 634
 Ion Ratio Lower Upper
 119 100
 134 20.5 13.0 38.9
 91 18.1 11.8 35.3





#89
n-Butylbenzene
Concen: 7.143 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020786.D
Acq: 06 Jan 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-010325RE



Tgt Ion:	91	Resp:	773
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.5	79.4
134	0.0	13.8	41.4#

