

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022108.D
 Acq On : 01 May 2025 15:28
 Operator : SY/MD
 Sample : Q1914-02
 Misc : 7.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-91

Quant Time: May 02 01:30:56 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)

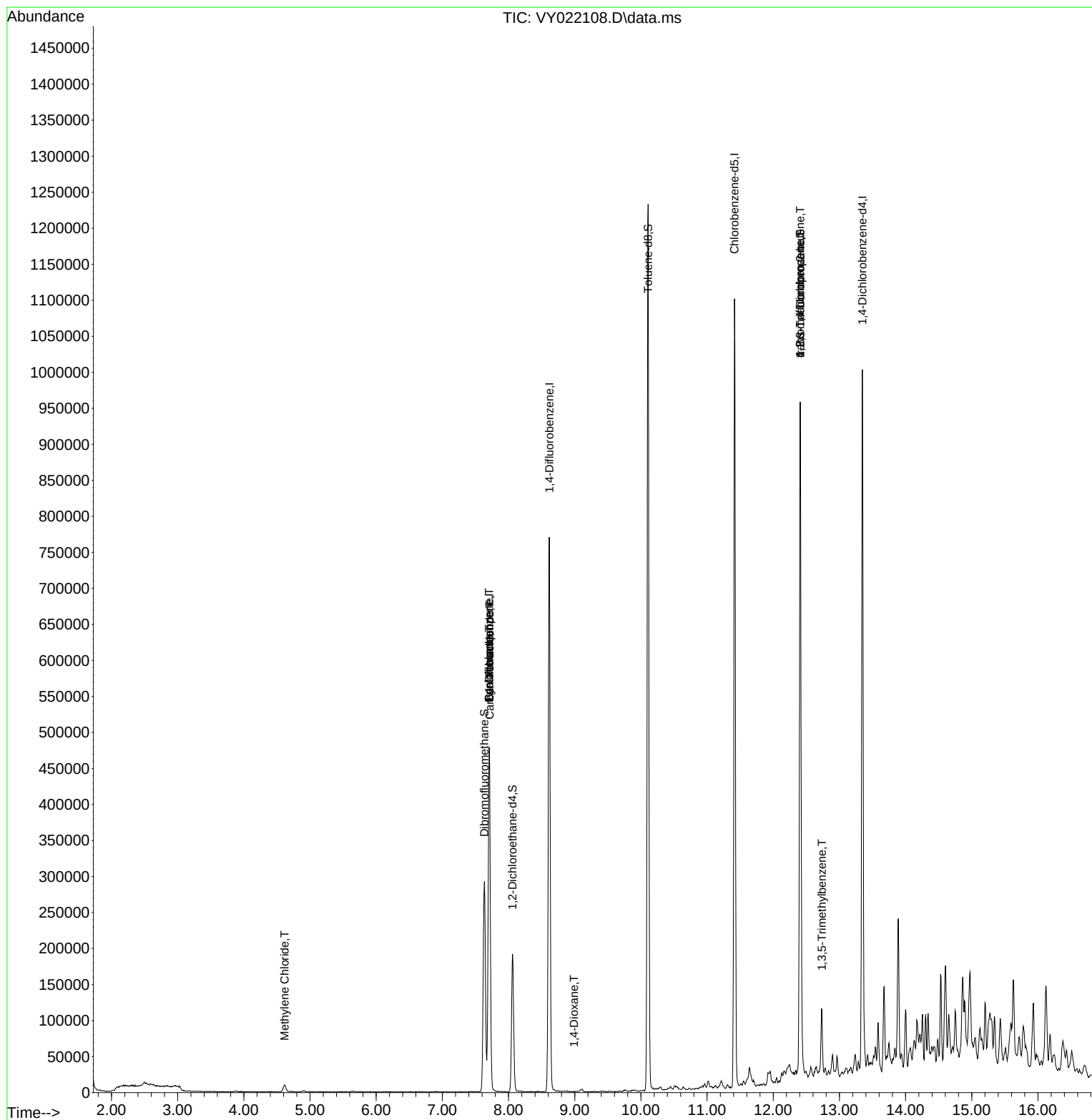
Internal Standards						
1) Pentafluorobenzene	7.707	168	377287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	686536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	618810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	255221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150161	43.089	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.180%
35) Dibromofluoromethane	7.634	113	212201	46.785	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.580%
50) Toluene-d8	10.109	98	827662	48.403	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.800%
62) 4-Bromofluorobenzene	12.407	95	256059	44.483	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.960%
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	1936	Below Cal	#	76
20) Methylene Chloride	4.616	84	7625	1.730	ug/l #	91
31) Cyclohexane	7.707	56	7171	1.245	ug/l #	9
36) 1,1-Dichloropropene	7.707	75	26659	4.376	ug/l #	48
38) Carbon Tetrachloride	7.713	117	36348	4.993	ug/l #	18
49) 1,4-Dioxane	8.987	88	45	1.601	ug/l #	28
76) 1,2,3-Trichloropropane	12.407	75	124677	57.032	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	16067	1.144	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.407	75	124677	137.341	ug/l #	16

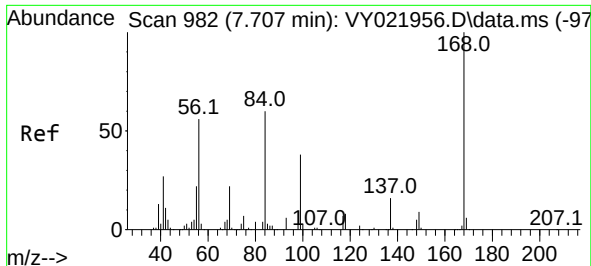
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
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Misc : 7.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

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MSVOA_Y
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Quant Title : SW846 8260
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Response via : Initial Calibration

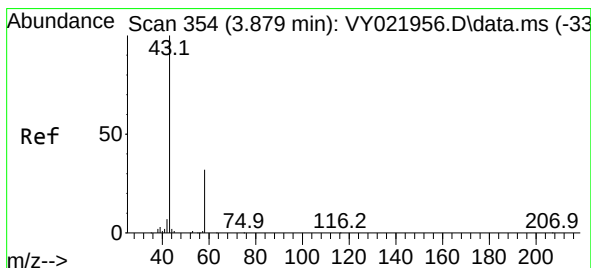
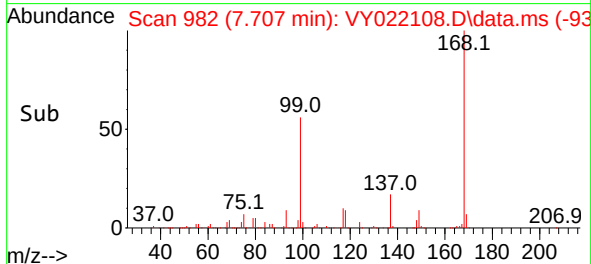
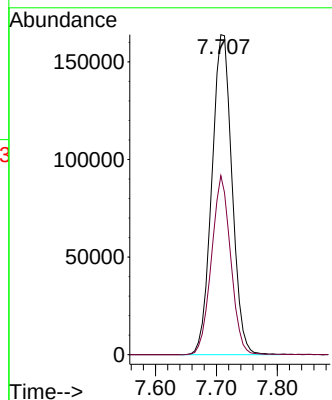
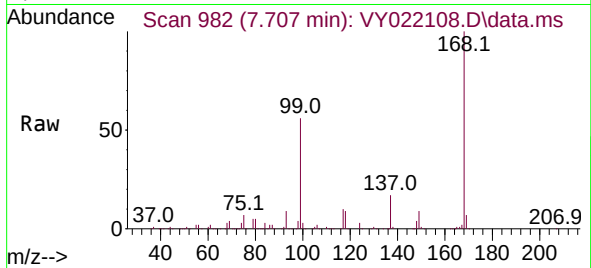




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

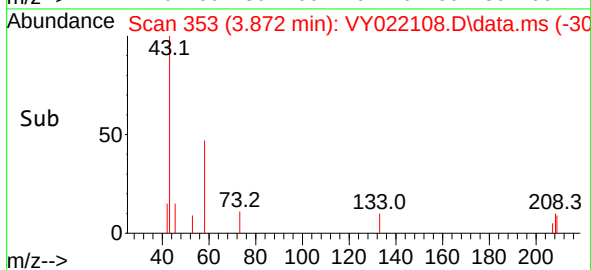
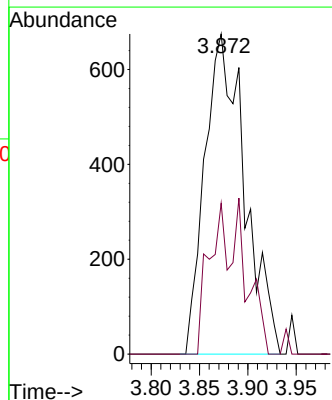
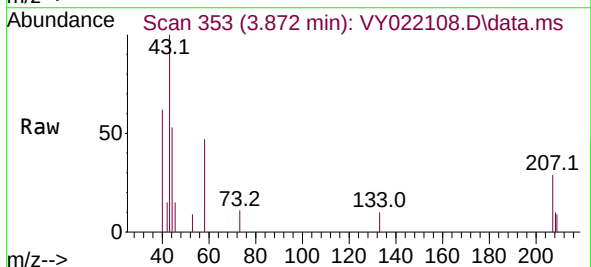
Instrument :
MSVOA_Y
ClientSampleId :
SS-91

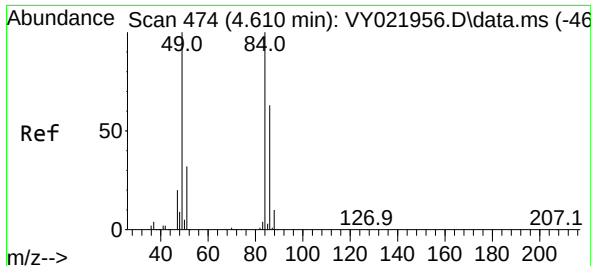
Tgt Ion:168 Resp: 377287
Ion Ratio Lower Upper
168 100
99 56.0 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

Tgt Ion: 43 Resp: 1936
Ion Ratio Lower Upper
43 100
58 47.1 27.0 40.4#

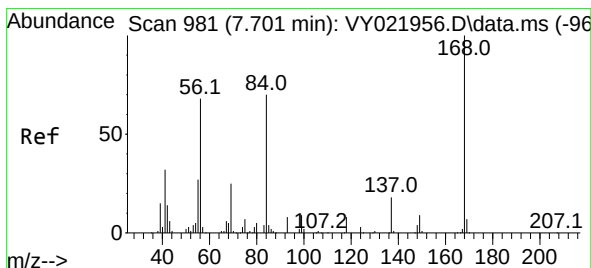
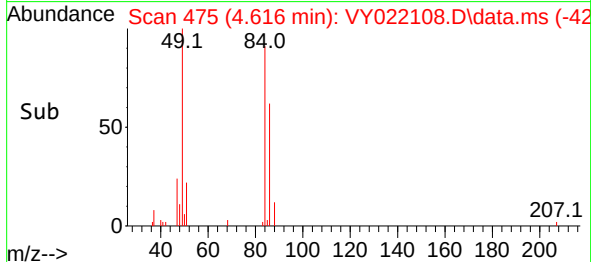
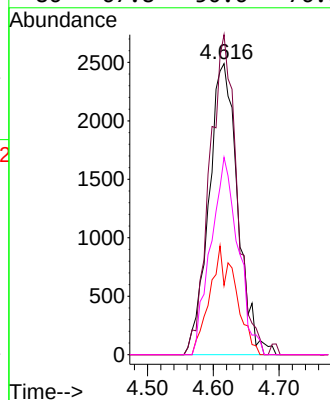
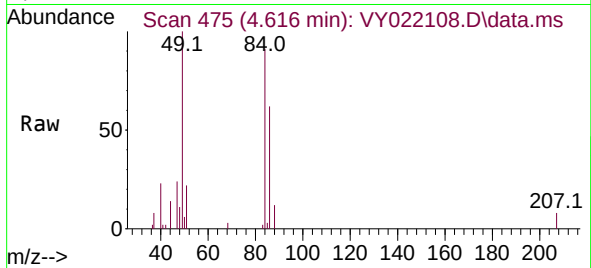




#20
Methylene Chloride
Concen: 1.730 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

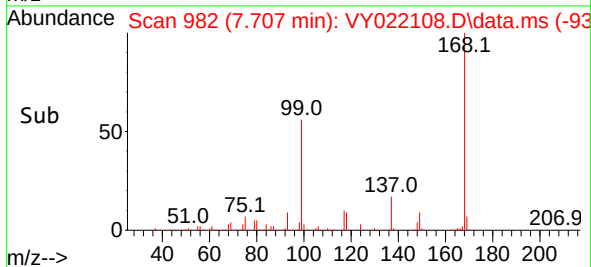
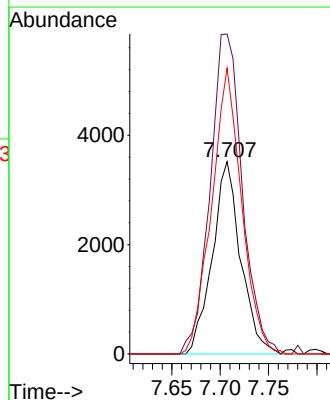
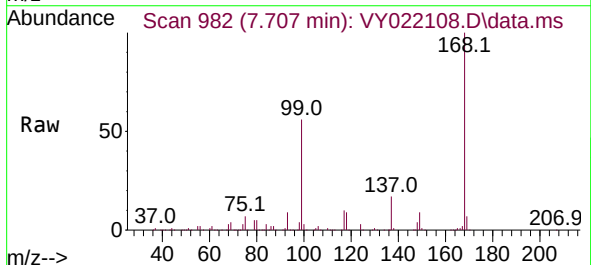
Instrument :
MSVOA_Y
ClientSampleId :
SS-91

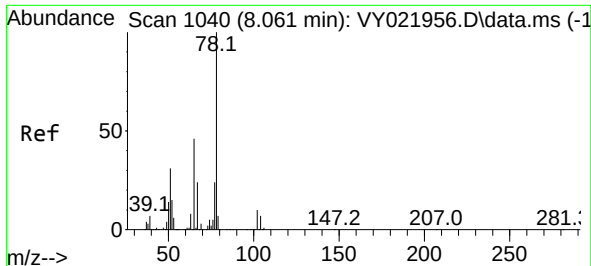
Tgt Ion:	84	Resp:	7625
Ion	Ratio	Lower	Upper
84	100		
49	109.9	79.9	119.9
51	23.8	25.4	38.0#
86	67.8	50.6	76.0



#31
Cyclohexane
Concen: 1.245 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

Tgt Ion:	56	Resp:	7171
Ion	Ratio	Lower	Upper
56	100		
69	166.4	29.4	44.2#
84	148.6	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 43.089 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022108.D

Acq: 01 May 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

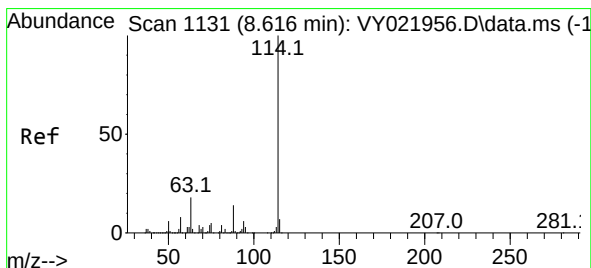
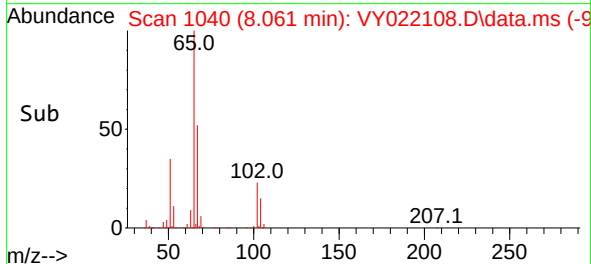
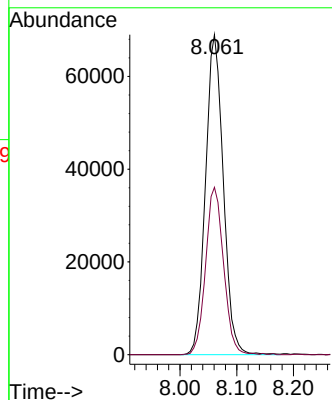
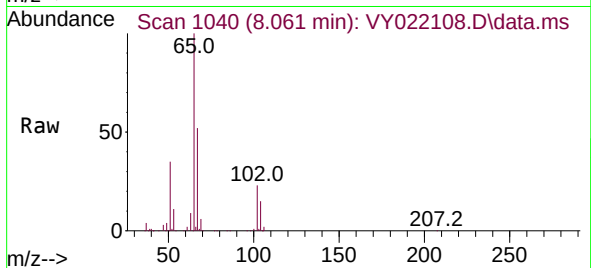
SS-91

Tgt Ion: 65 Resp: 150161

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022108.D

Acq: 01 May 2025 15:28

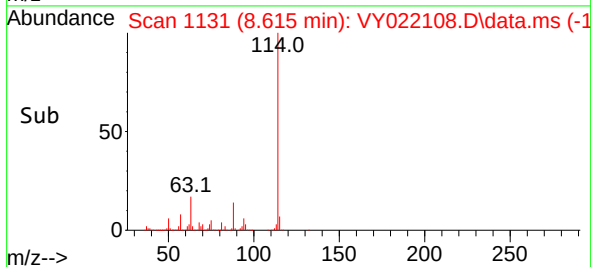
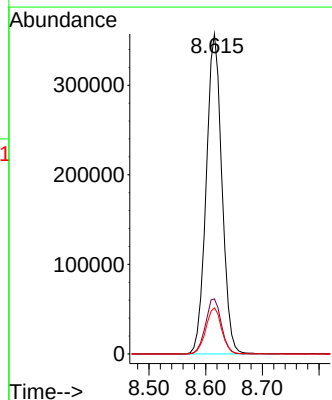
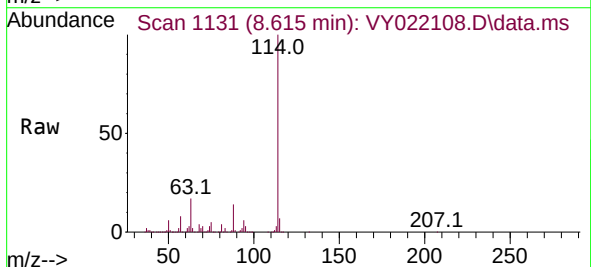
Tgt Ion: 114 Resp: 686536

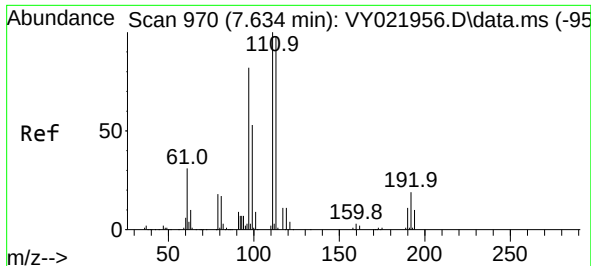
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.4

88 14.4 0.0 28.2

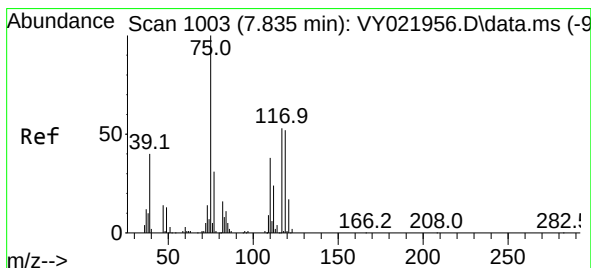
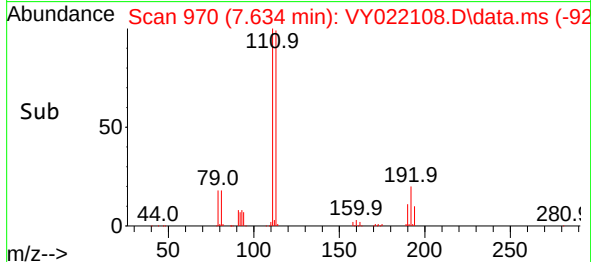
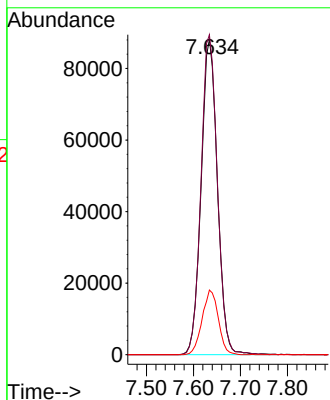
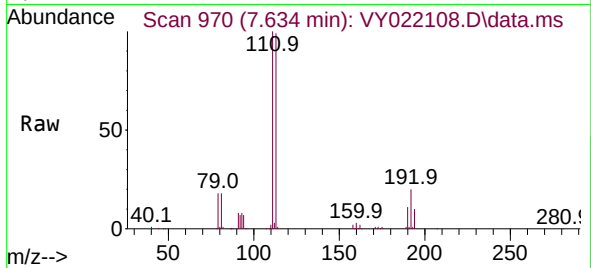




#35
Dibromofluoromethane
Concen: 46.785 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

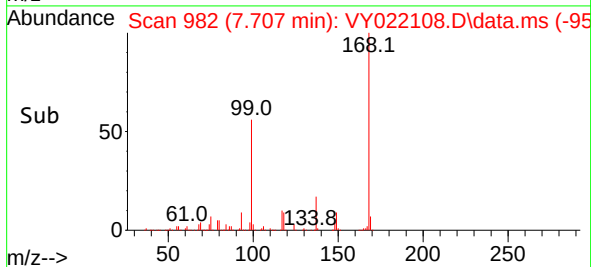
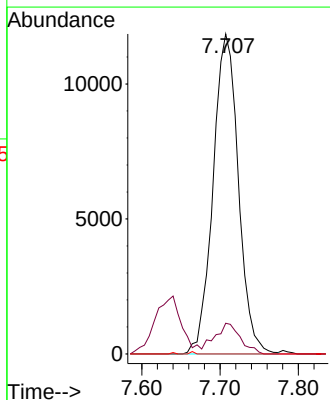
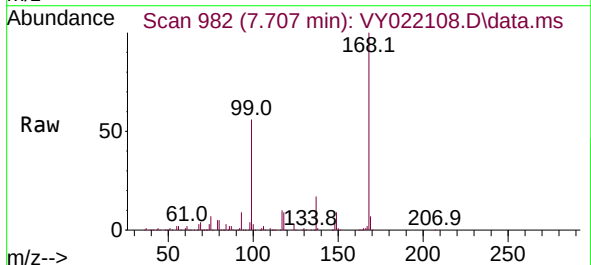
Instrument :
MSVOA_Y
ClientSampleId :
SS-91

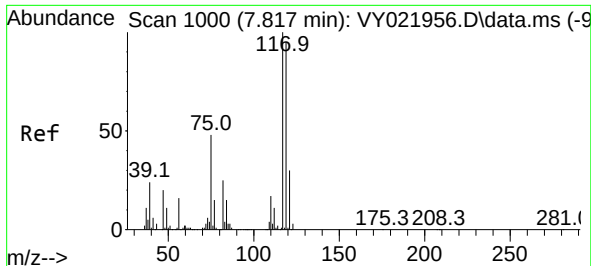
Tgt Ion:113 Resp: 212201
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.8
192 20.3 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.376 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

Tgt Ion: 75 Resp: 26659
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.5 38.3#

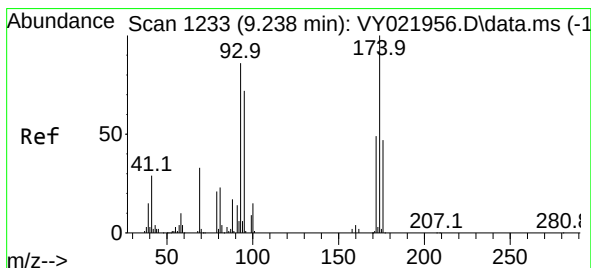
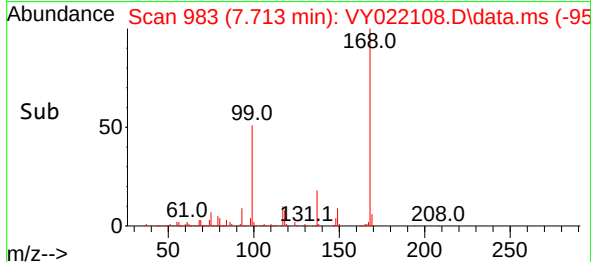
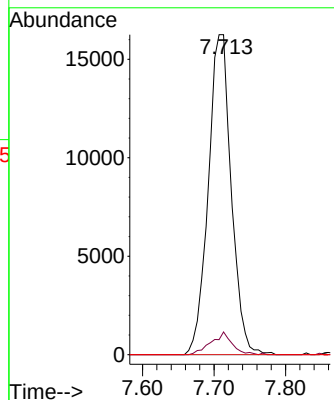
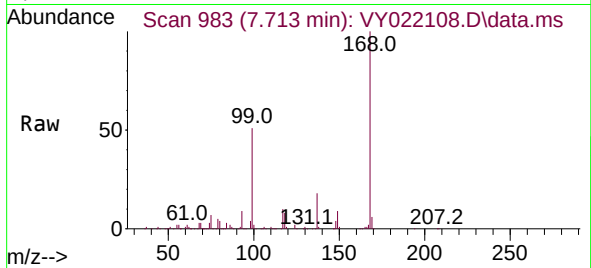




#38
Carbon Tetrachloride
Concen: 4.993 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

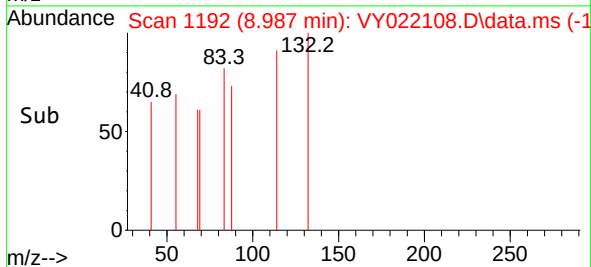
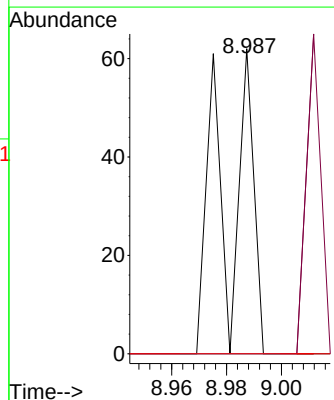
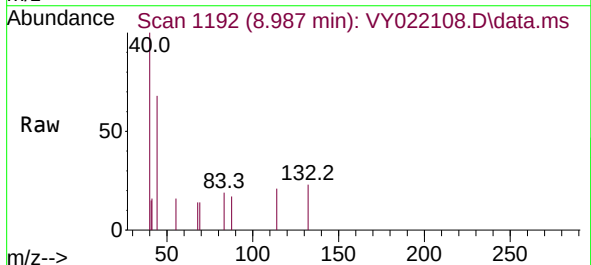
Instrument :
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ClientSampleId :
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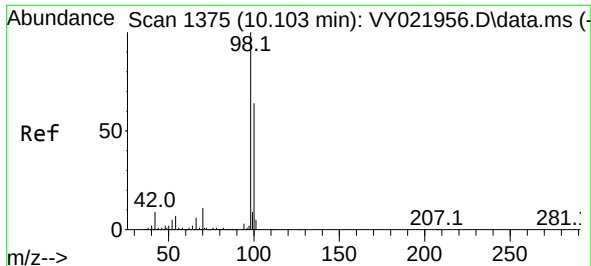
Tgt Ion:117 Resp: 36348
Ion Ratio Lower Upper
117 100
119 7.1 76.2 114.4#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 1.601 ug/l
RT: 8.987 min Scan# 1192
Delta R.T. -0.250 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 0.0 21.3 31.9#
58 0.0 50.5 75.7#

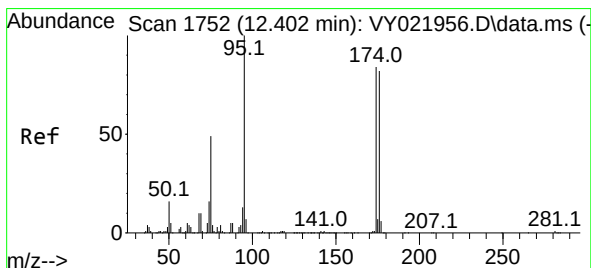
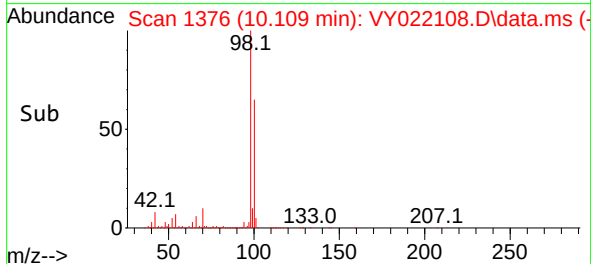
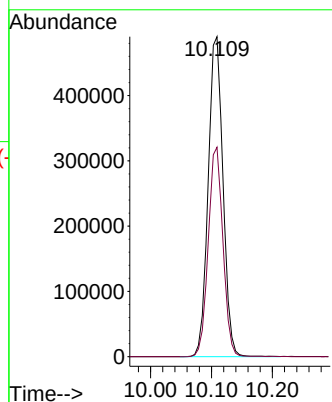
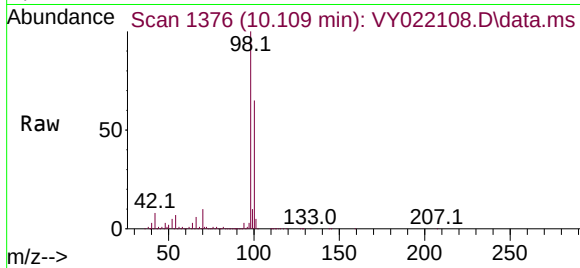




#50
Toluene-d8
Concen: 48.403 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

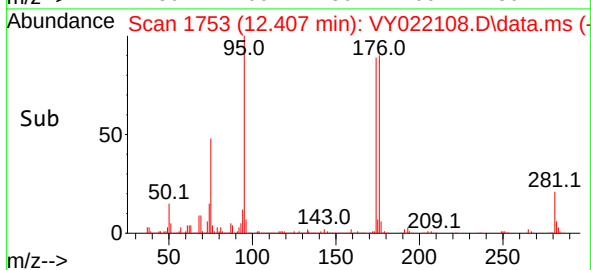
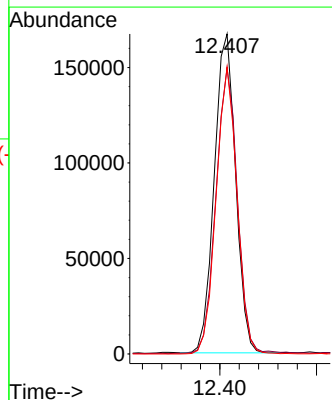
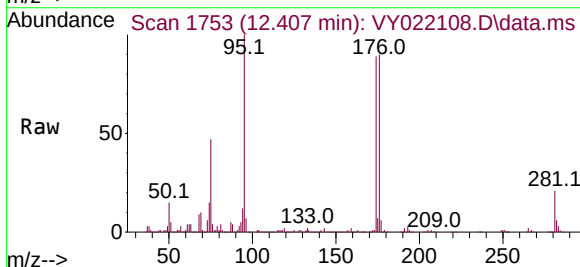
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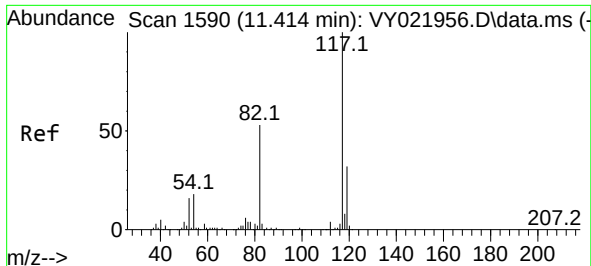
Tgt Ion: 98 Resp: 827662
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 44.483 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

Tgt Ion: 95 Resp: 256059
Ion Ratio Lower Upper
95 100
174 90.6 0.0 179.0
176 88.0 0.0 171.8

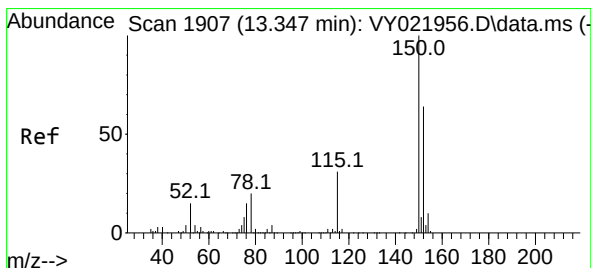
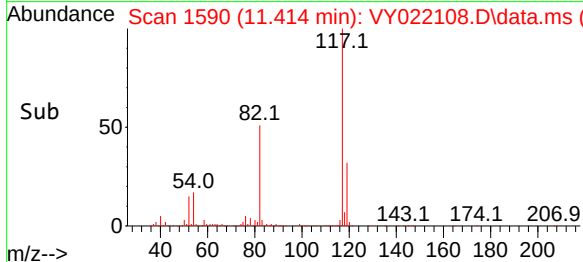
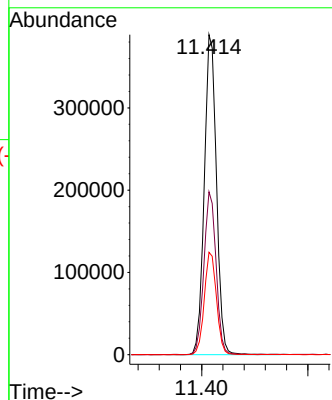
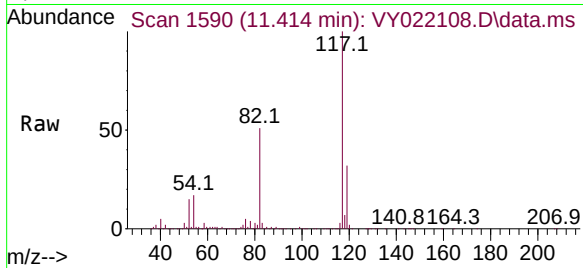




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

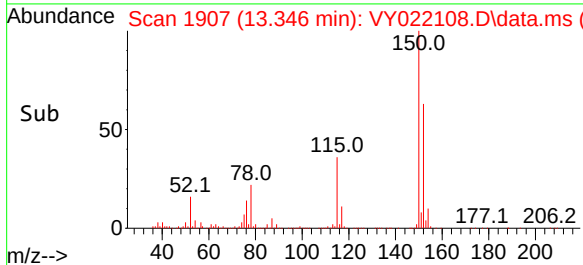
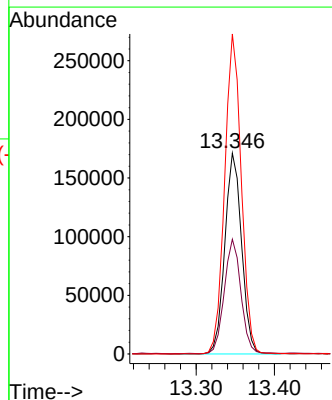
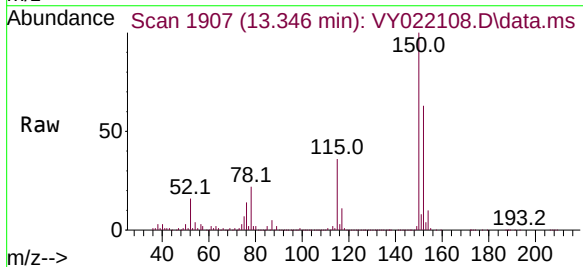
Instrument :
MSVOA_Y
ClientSampleId :
SS-91

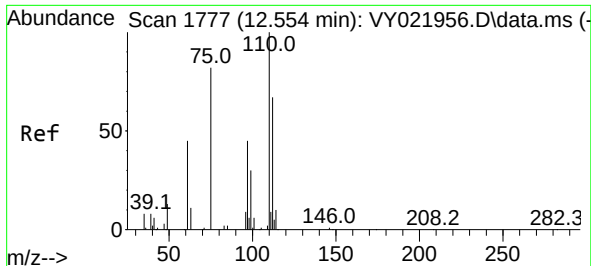
Tgt Ion:117 Resp: 618810
Ion Ratio Lower Upper
117 100
82 50.8 42.1 63.1
119 32.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

Tgt Ion:152 Resp: 255221
Ion Ratio Lower Upper
152 100
115 56.4 28.0 84.0
150 158.0 0.0 345.6

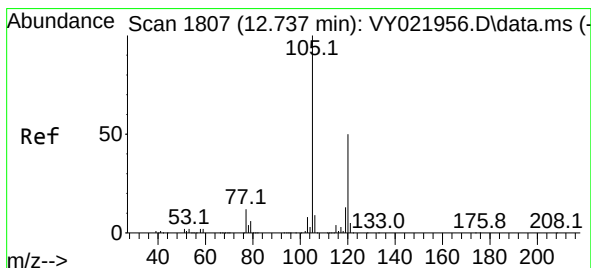
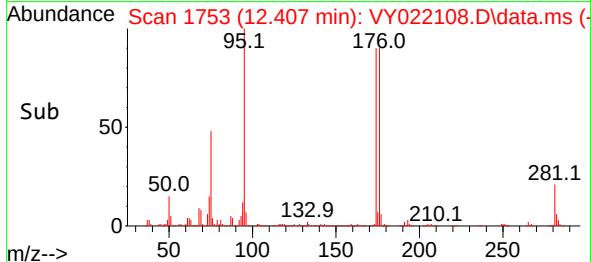
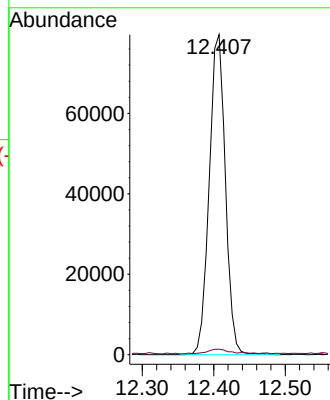
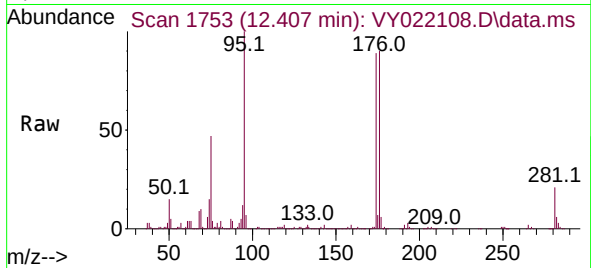




#76
 1,2,3-Trichloropropane
 Concen: 57.032 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. -0.147 min
 Lab File: VY022108.D
 Acq: 01 May 2025 15:28

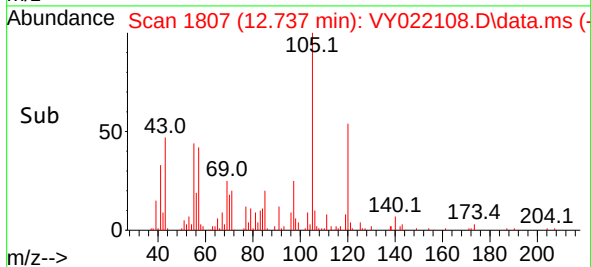
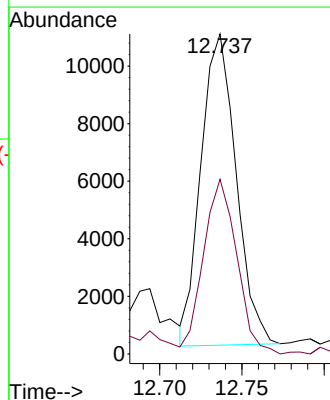
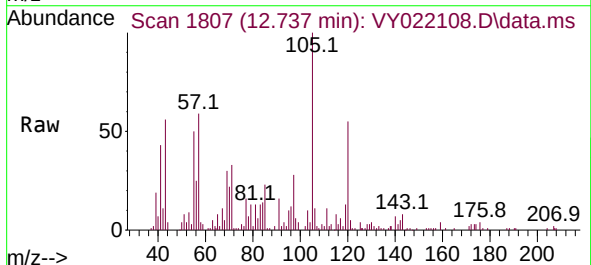
Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-91

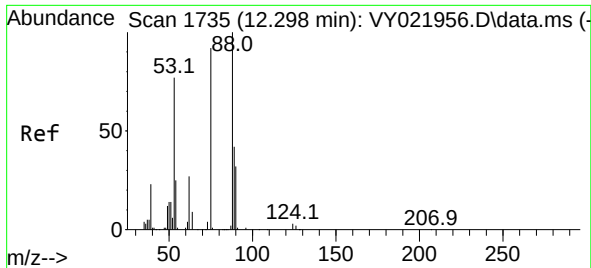
Tgt Ion: 75 Resp: 124677
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.144 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: VY022108.D
 Acq: 01 May 2025 15:28

Tgt Ion: 105 Resp: 16067
 Ion Ratio Lower Upper
 105 100
 120 53.3 25.0 75.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.341 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022108.D
 Acq: 01 May 2025 15:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-91

Tgt Ion: 75 Resp: 124677
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.0 37.2 55.8#

