

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022965.D
 Acq On : 07 Jul 2025 17:09
 Operator : SY/MD
 Sample : Q2514-02
 Misc : 4.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-93

Quant Time: Jul 08 01:50:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	278769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	549755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	231894	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159350	51.216	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.440%
35) Dibromofluoromethane	7.628	113	176301	52.376	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.760%
50) Toluene-d8	10.103	98	677660	50.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.460%
62) 4-Bromofluorobenzene	12.402	95	236638	55.110	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.220%

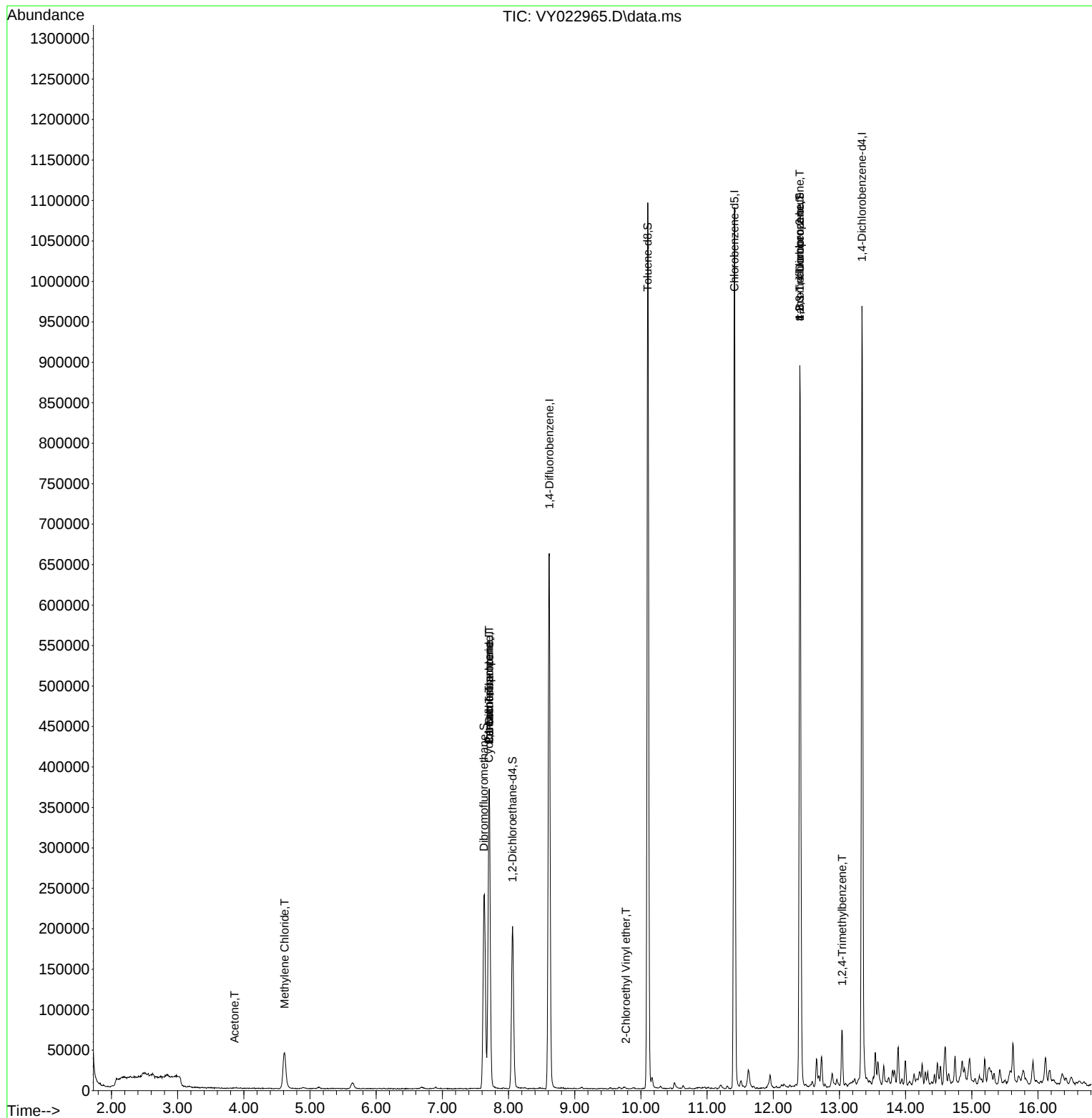
Target Compounds						Qvalue
16) Acetone	3.860	43	1395	2.372	ug/l	96
20) Methylene Chloride	4.616	84	32754	8.820	ug/l	95
31) Cyclohexane	7.701	56	7650	1.431	ug/l #	27
36) 1,1-Dichloropropene	7.707	75	24010	4.706	ug/l #	51
38) Carbon Tetrachloride	7.707	117	29205	5.425	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.774	63	22	15.666	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	134407	56.773	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	134407	143.431	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.042	105	36388	2.625	ug/l	99

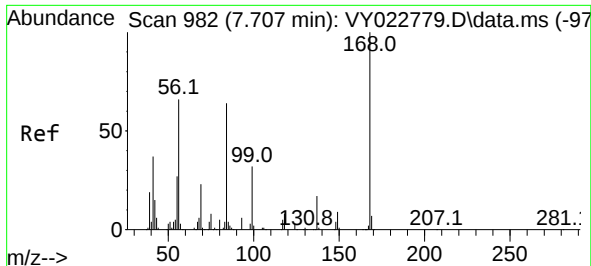
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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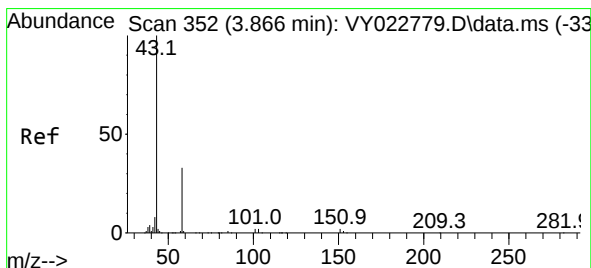
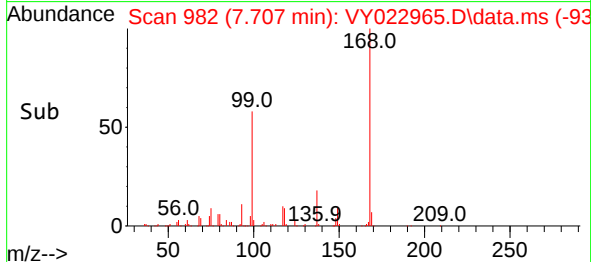
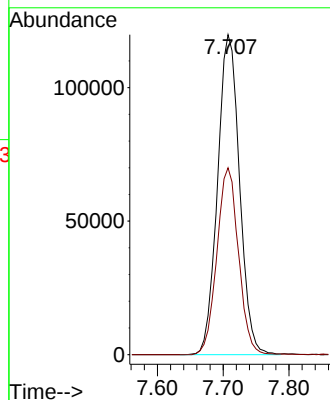
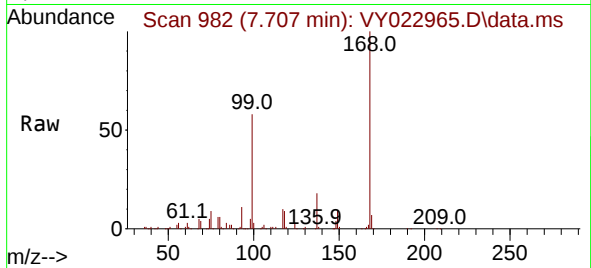




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

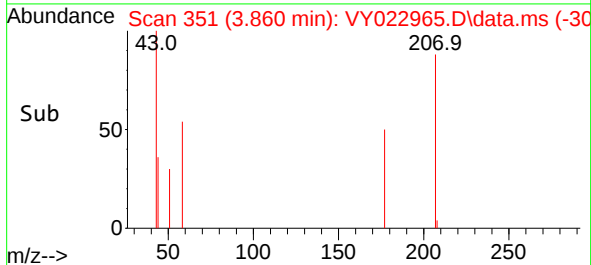
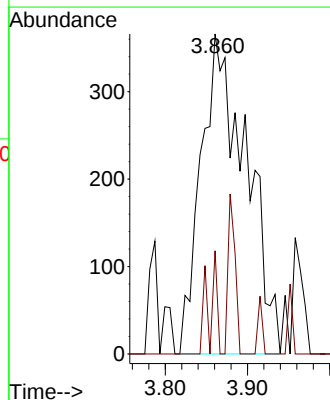
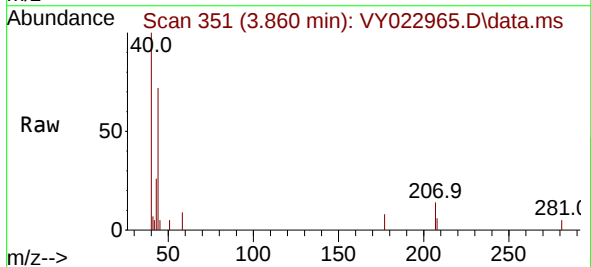
Instrument :
MSVOA_Y
ClientSampleId :
TP-93

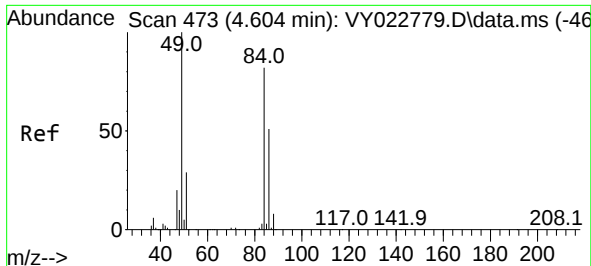
Tgt Ion:168 Resp: 278769
Ion Ratio Lower Upper
168 100
99 58.4 44.3 66.5



#16
Acetone
Concen: 2.372 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
58 32.2 24.0 36.0



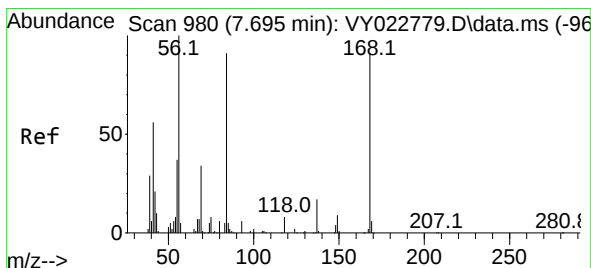
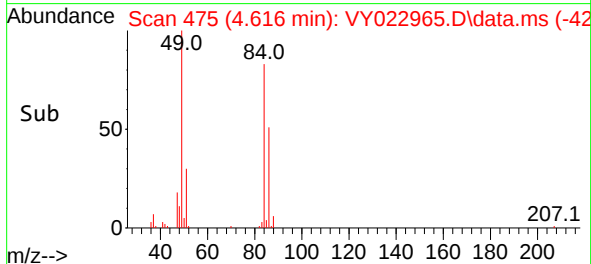
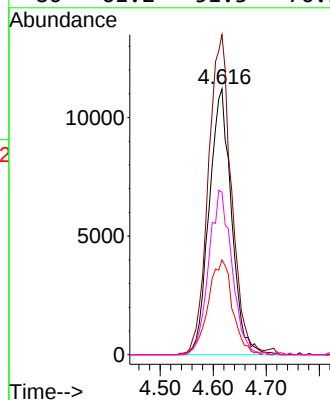
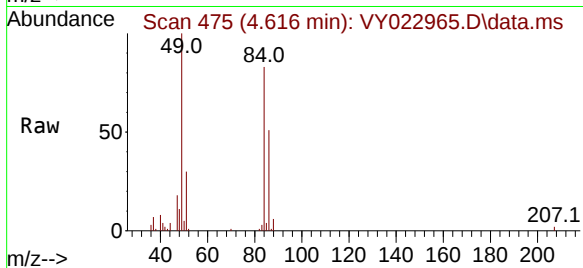


#20
Methylene Chloride
Concen: 8.820 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-93

Tgt Ion: 84 Resp: 32754

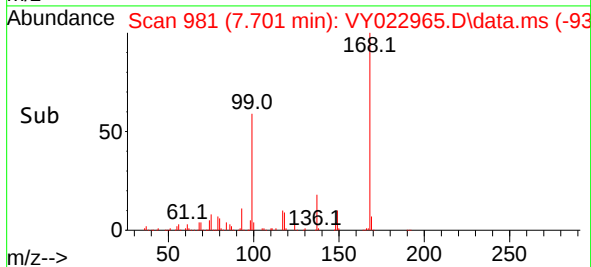
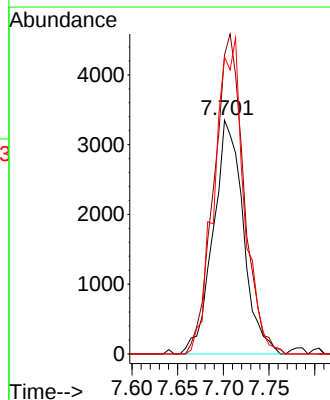
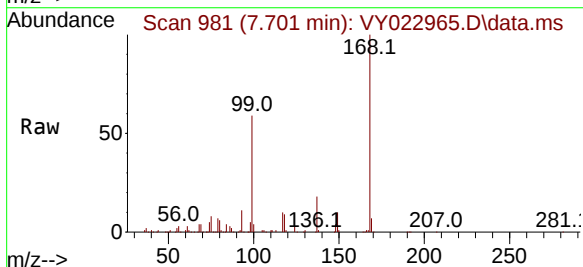
Ion	Ratio	Lower	Upper
84	100		
49	120.4	101.9	152.9
51	35.7	29.8	44.8
86	61.2	51.3	76.9

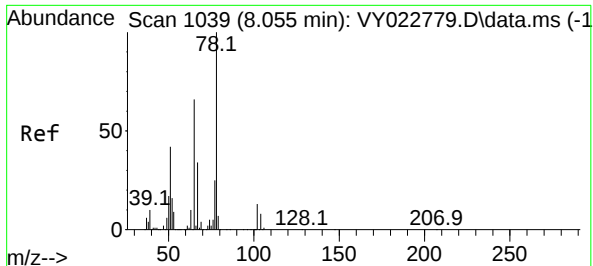


#31
Cyclohexane
Concen: 1.431 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

Tgt Ion: 56 Resp: 7650

Ion	Ratio	Lower	Upper
56	100		
69	127.9	27.0	40.6#
84	127.1	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.216 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022965.D

Acq: 07 Jul 2025 17:09

Instrument :

MSVOA_Y

ClientSampleId :

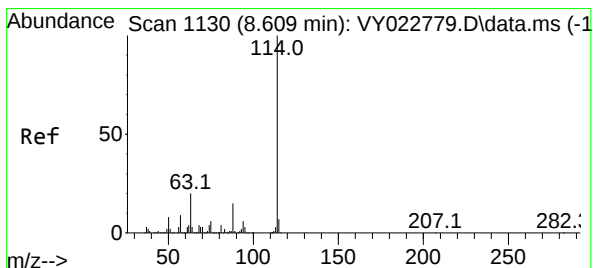
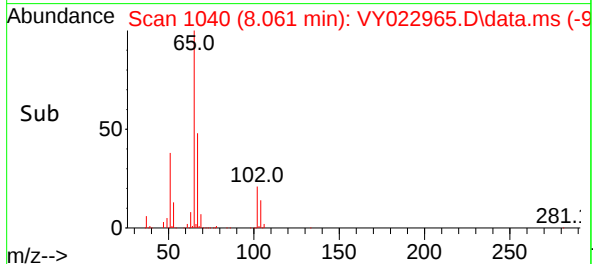
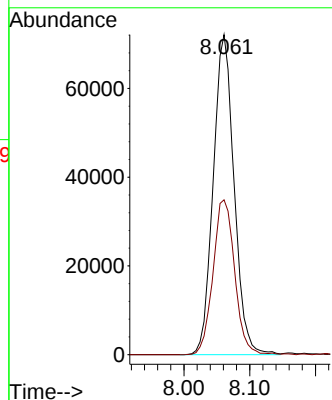
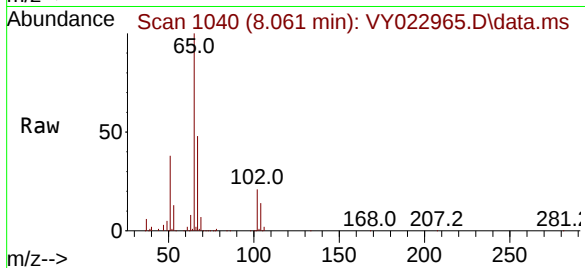
TP-93

Tgt Ion: 65 Resp: 159350

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022965.D

Acq: 07 Jul 2025 17:09

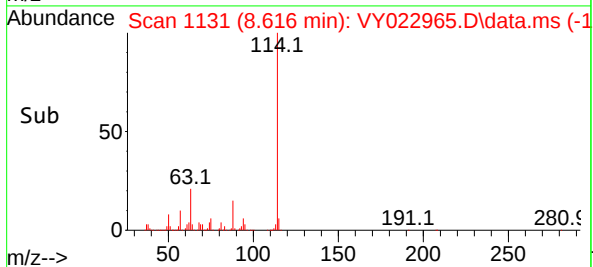
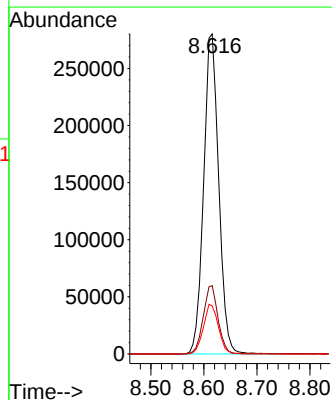
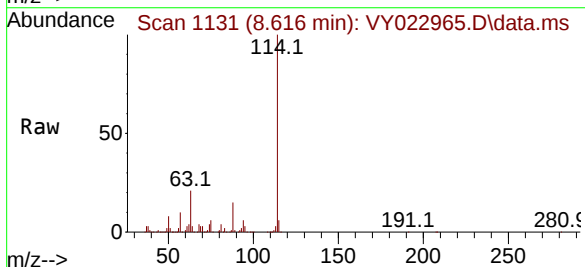
Tgt Ion:114 Resp: 553496

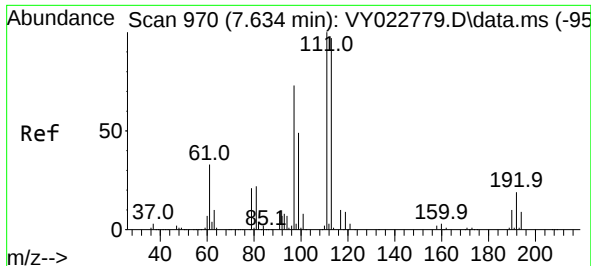
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 15.0 0.0 27.8

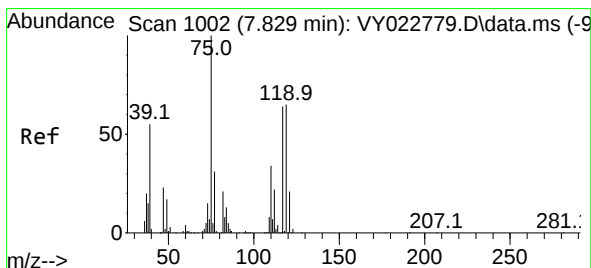
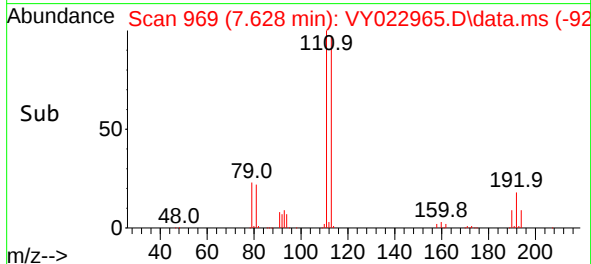
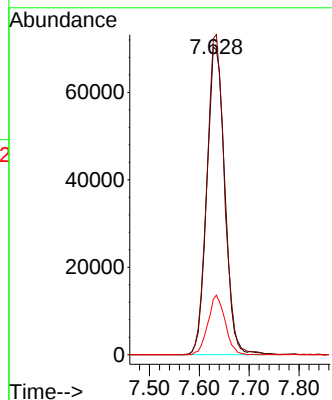
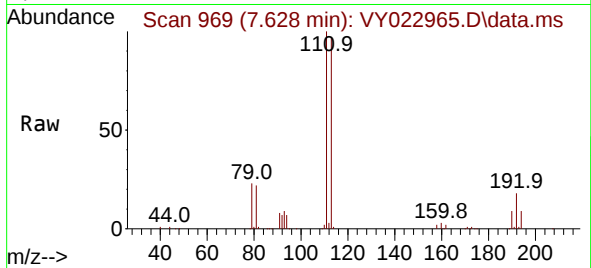




#35
Dibromofluoromethane
Concen: 52.376 ug/l
RT: 7.628 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

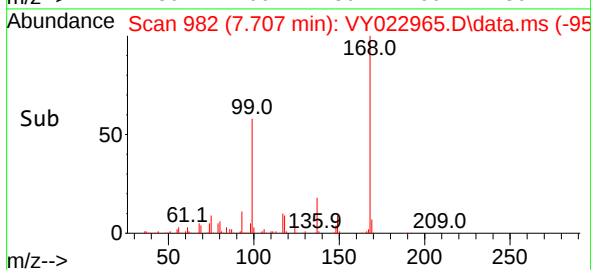
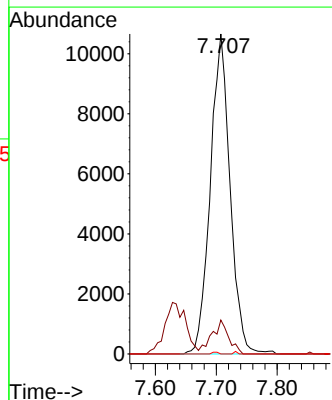
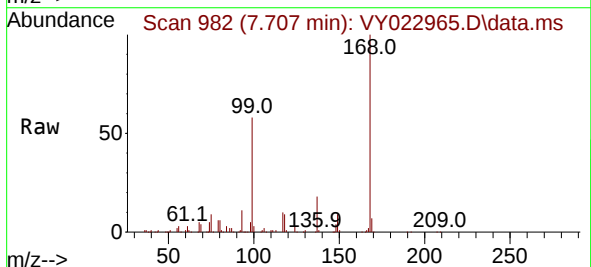
Instrument :
MSVOA_Y
ClientSampleId :
TP-93

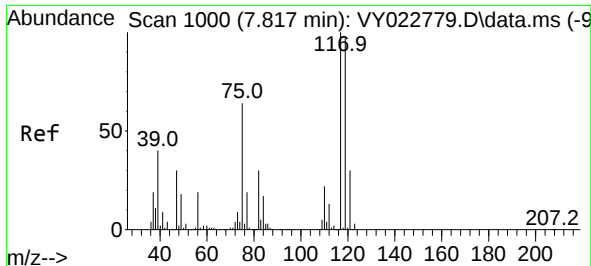
Tgt Ion:113 Resp: 176301
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 18.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.706 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

Tgt Ion: 75 Resp: 24010
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.7#
77 0.2 24.8 37.2#

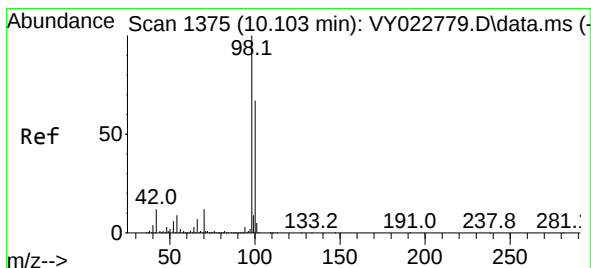
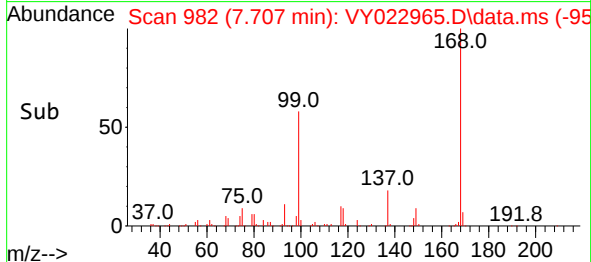
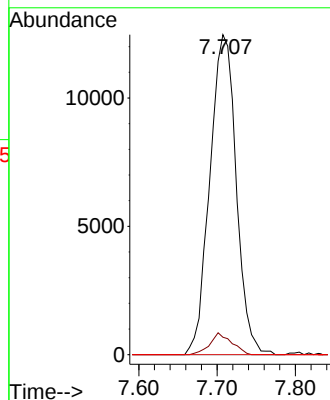
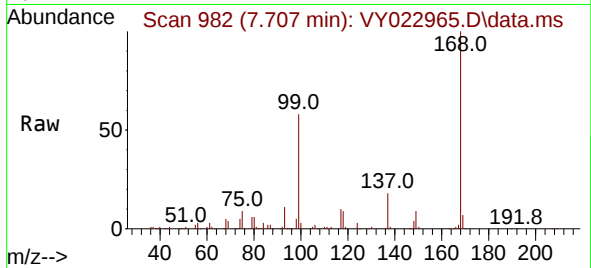




#38
Carbon Tetrachloride
Concen: 5.425 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

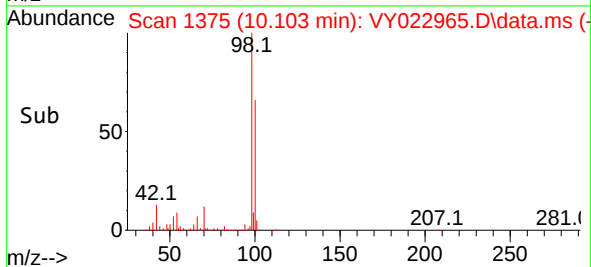
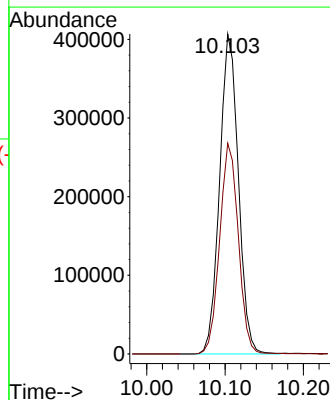
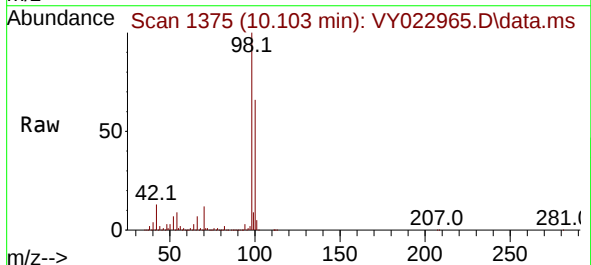
Instrument :
MSVOA_Y
ClientSampleId :
TP-93

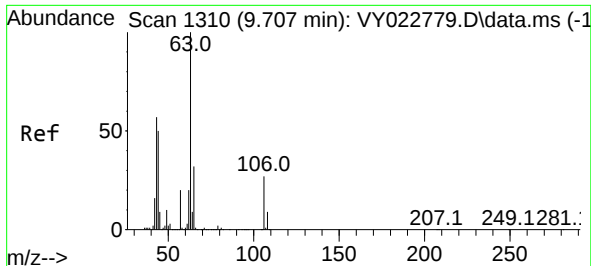
Tgt Ion:117 Resp: 29205
Ion Ratio Lower Upper
117 100
119 5.5 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.734 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

Tgt Ion: 98 Resp: 677660
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.0





#58

2-Chloroethyl Vinyl ether

Concen: 15.666 ug/l

RT: 9.774 min Scan# 11

Delta R.T. 0.061 min

Lab File: VY022965.D

Acq: 07 Jul 2025 17:09

Instrument :

MSVOA_Y

ClientSampleId :

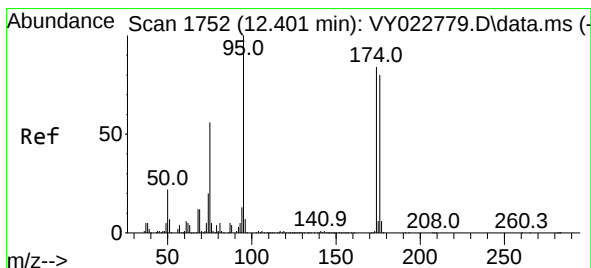
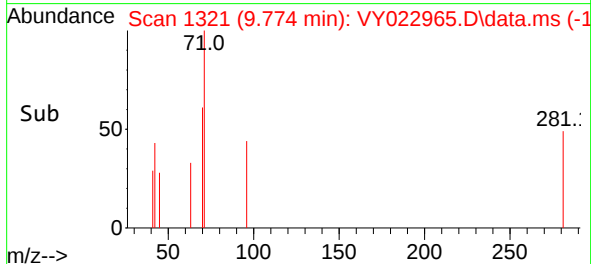
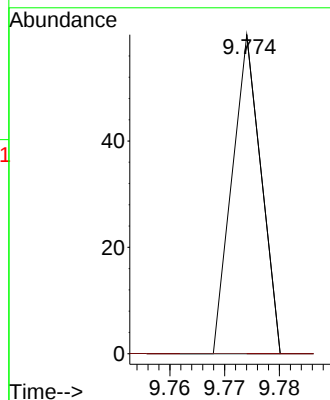
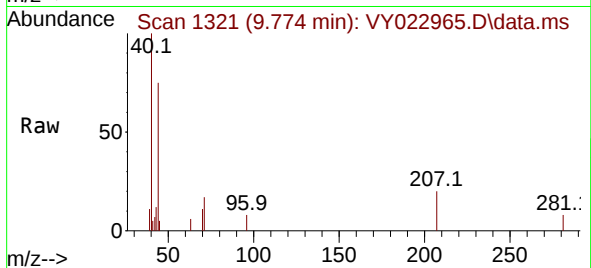
TP-93

Tgt Ion: 63 Resp: 22

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#



#62

4-Bromofluorobenzene

Concen: 55.110 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022965.D

Acq: 07 Jul 2025 17:09

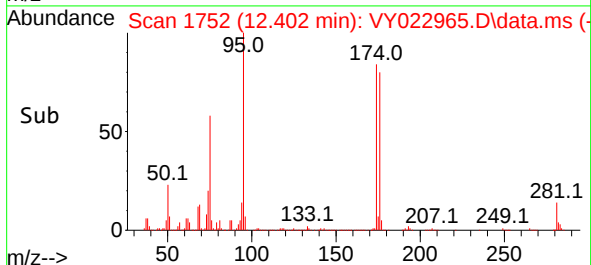
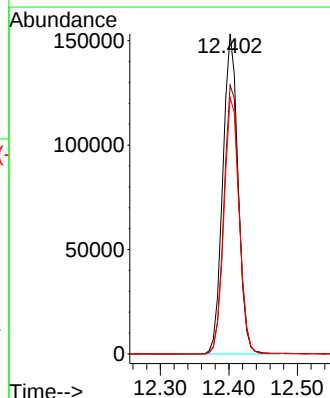
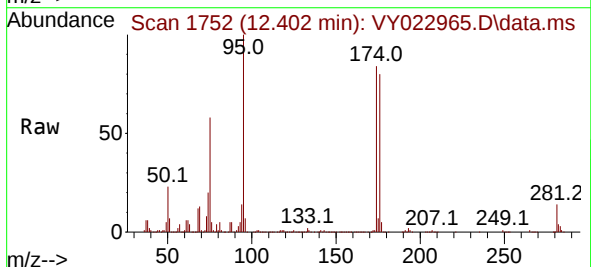
Tgt Ion: 95 Resp: 236638

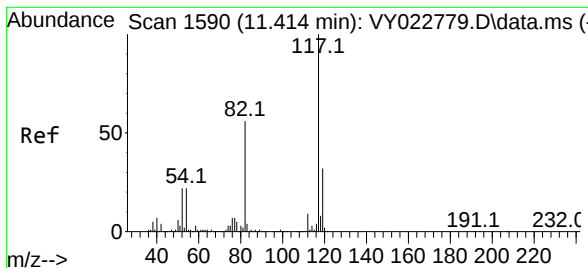
Ion Ratio Lower Upper

95 100

174 83.8 0.0 170.0

176 79.7 0.0 166.2

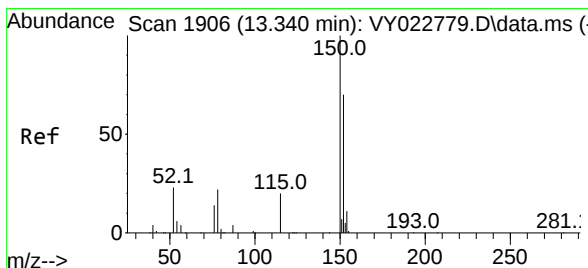
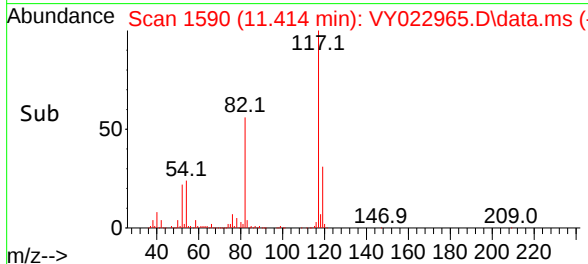
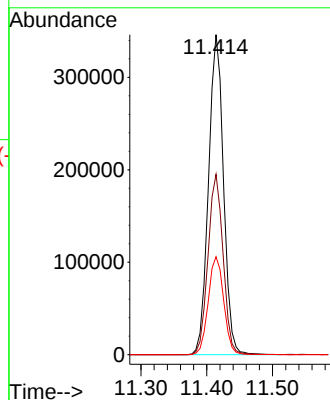
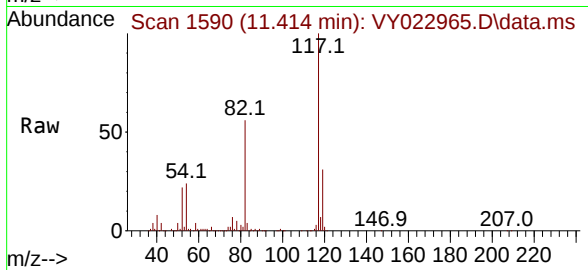




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

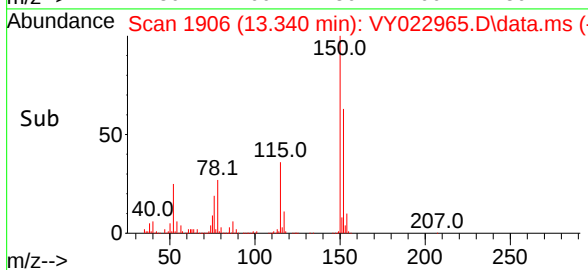
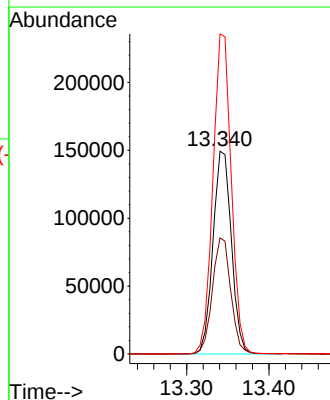
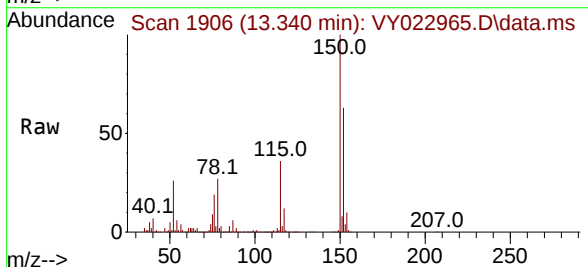
Instrument :
MSVOA_Y
ClientSampleId :
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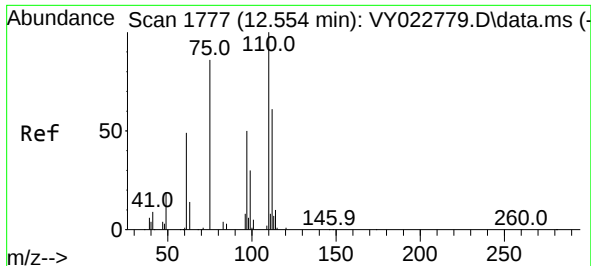
Tgt Ion:117 Resp: 549755
Ion Ratio Lower Upper
117 100
82 56.4 44.6 66.8
119 30.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

Tgt Ion:152 Resp: 231894
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 157.0 0.0 349.6

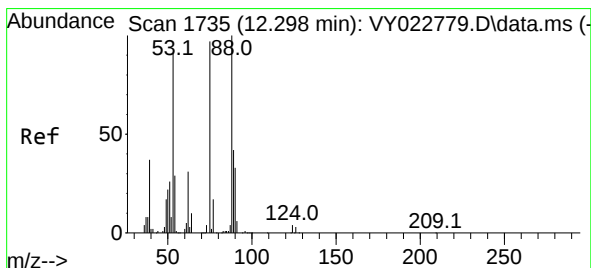
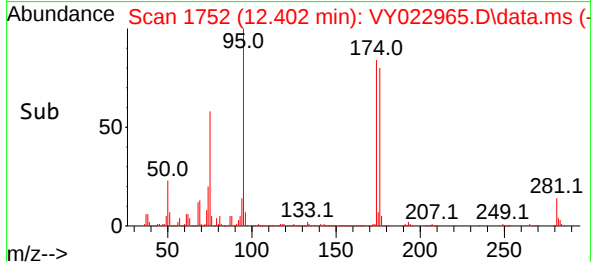
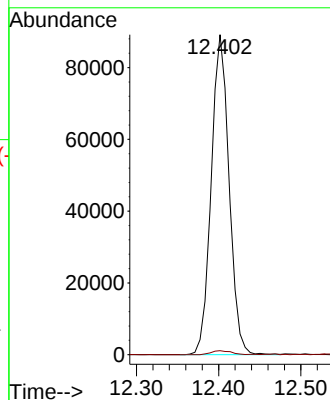
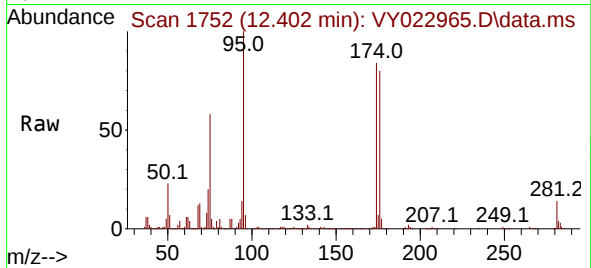




#76
1,2,3-Trichloropropane
Concen: 56.773 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

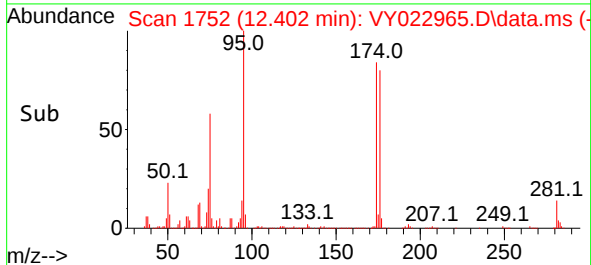
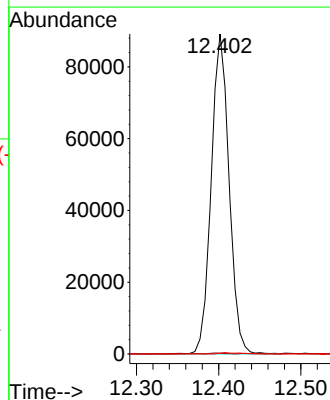
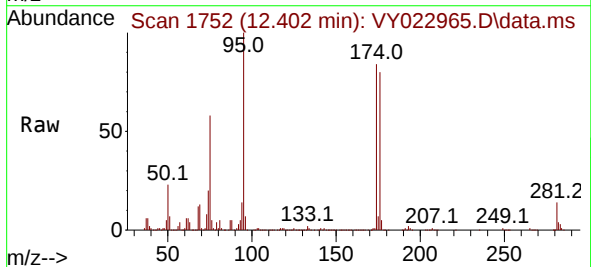
Instrument :
MSVOA_Y
ClientSampleId :
TP-93

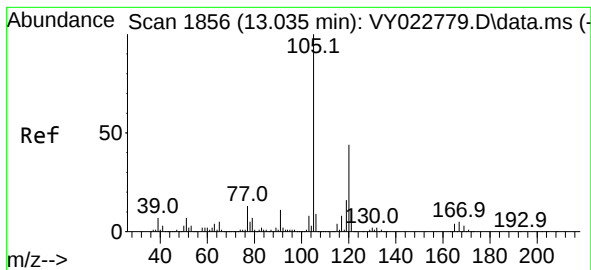
Tgt Ion: 75 Resp: 134407
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.431 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022965.D
Acq: 07 Jul 2025 17:09

Tgt Ion: 75 Resp: 134407
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.4 35.7 53.5#





#84
 1,2,4-Trimethylbenzene
 Concen: 2.625 ug/l
 RT: 13.042 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY022965.D
 Acq: 07 Jul 2025 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-93

Tgt Ion:105 Resp: 36388
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.7 68.1

