

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022958.D
 Acq On : 07 Jul 2025 14:25
 Operator : SY/MD
 Sample : Q2584-01
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-58

Quant Time: Jul 08 01:47:53 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	303940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	573765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	578554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	249732	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171132	50.448	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.900%
35) Dibromofluoromethane	7.634	113	180945	51.856	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.720%
50) Toluene-d8	10.103	98	715290	51.659	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.320%
62) 4-Bromofluorobenzene	12.402	95	259979	58.407	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	116.820%

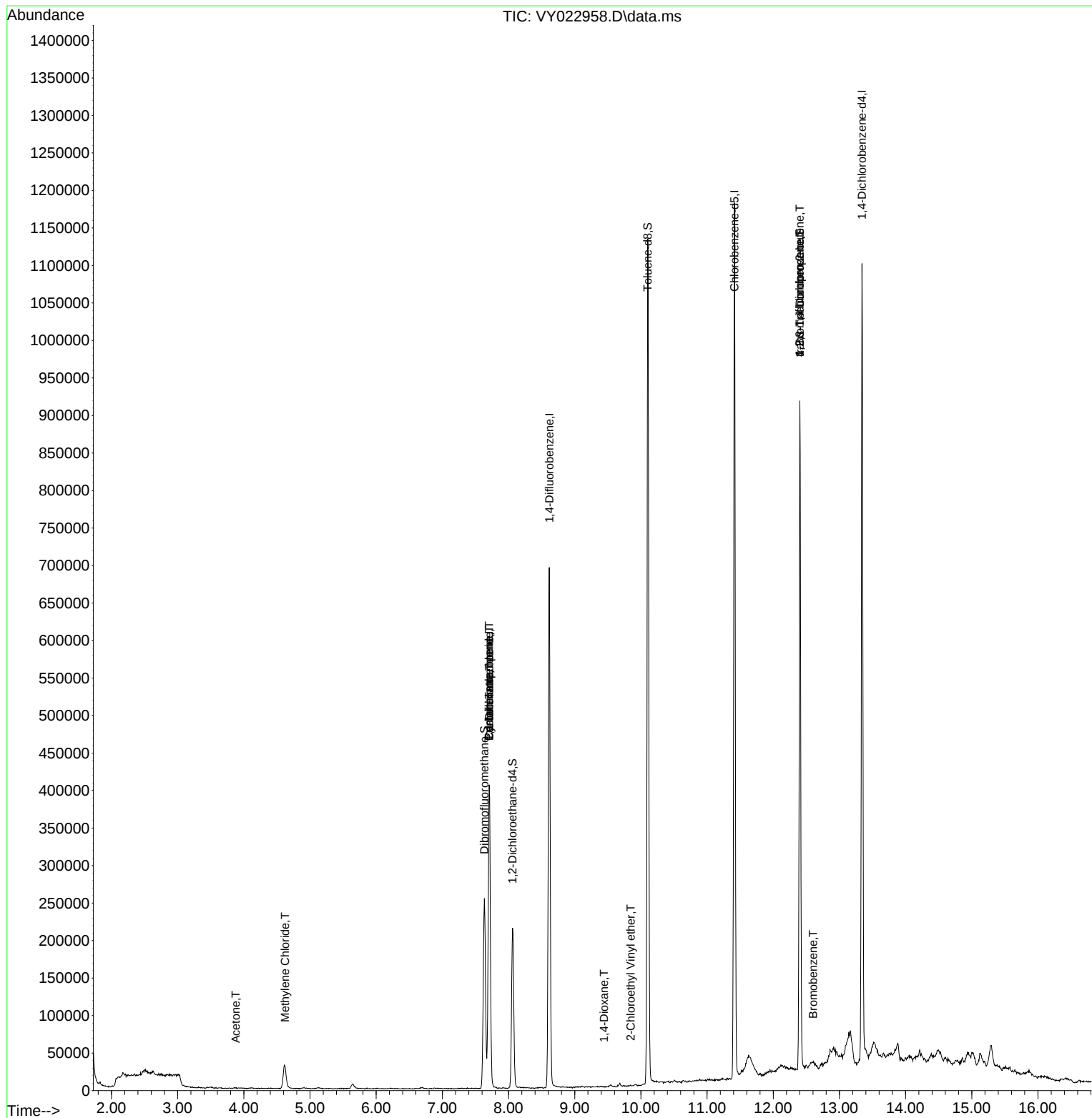
Target Compounds						Qvalue
16) Acetone	3.879	43	1232	1.921	ug/l	95
20) Methylene Chloride	4.622	84	22497	5.556	ug/l	93
31) Cyclohexane	7.707	56	7762	1.332	ug/l #	19
36) 1,1-Dichloropropene	7.707	75	25776	4.873	ug/l #	52
38) Carbon Tetrachloride	7.707	117	30954	5.547	ug/l #	16
49) 1,4-Dioxane	9.445	88	64	2.507	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.847	63	25	15.667	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	144859	56.817	ug/l #	100
77) Bromobenzene	12.603	156	5593	1.336	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.402	75	144859	143.543	ug/l #	11

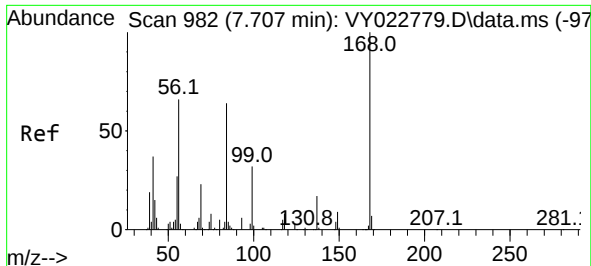
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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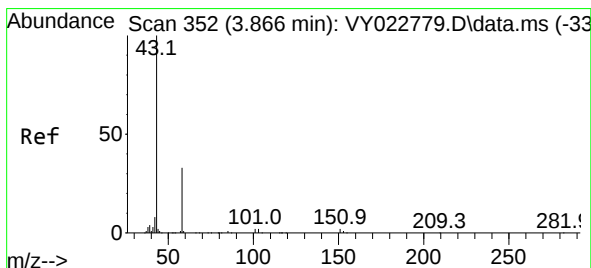
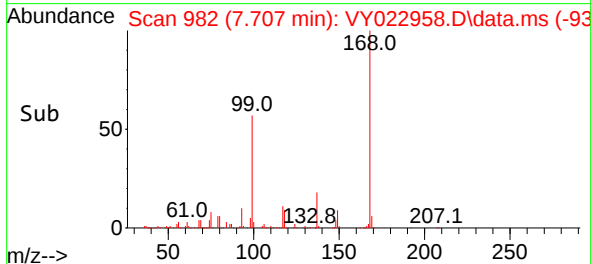
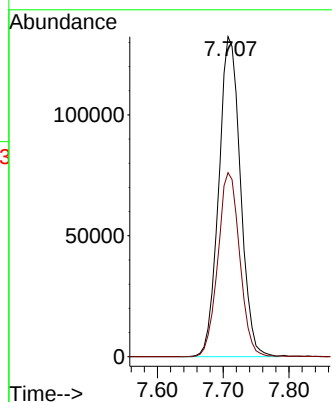
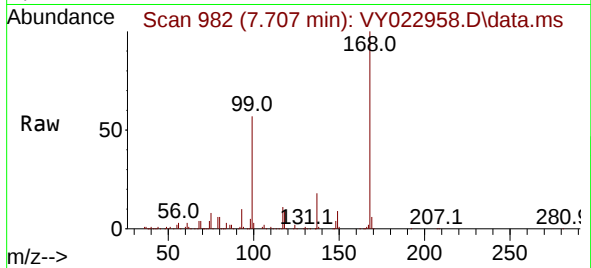




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

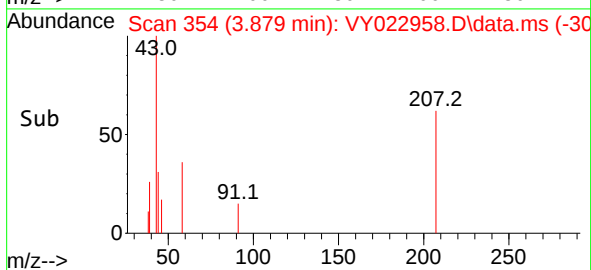
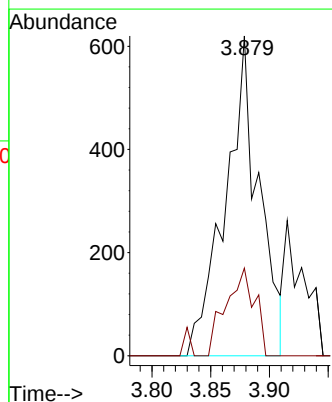
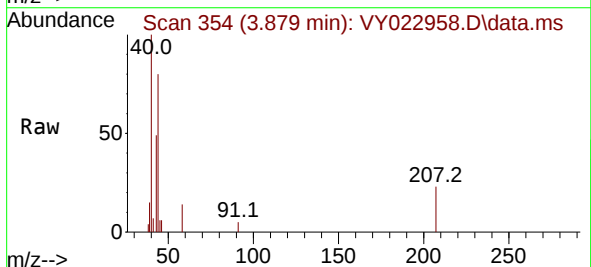
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MSVOA_Y
ClientSampleId :
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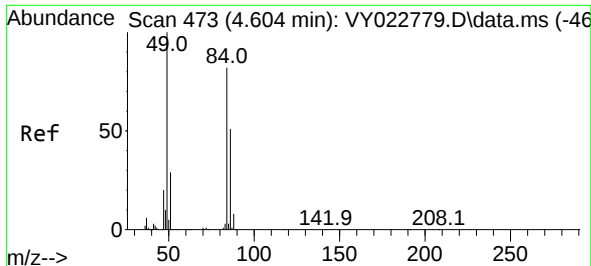
Tgt Ion:168 Resp: 303940
Ion Ratio Lower Upper
168 100
99 57.5 44.3 66.5



#16
Acetone
Concen: 1.921 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

Tgt Ion: 43 Resp: 1232
Ion Ratio Lower Upper
43 100
58 27.4 24.0 36.0

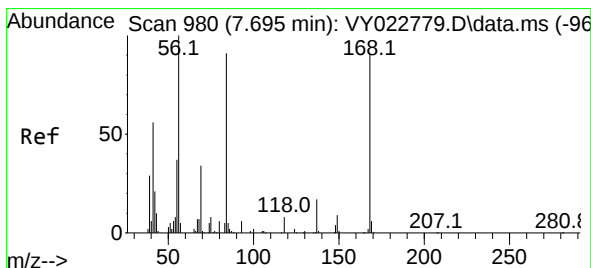
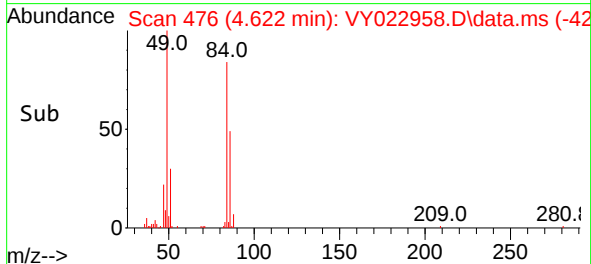
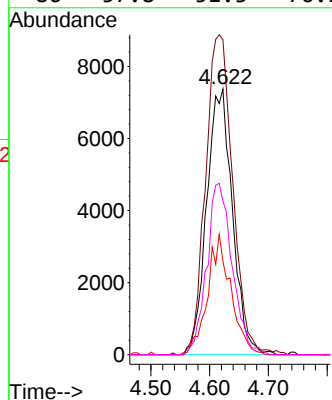
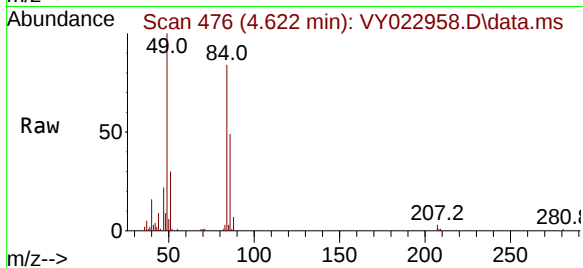




#20
Methylene Chloride
Concen: 5.556 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

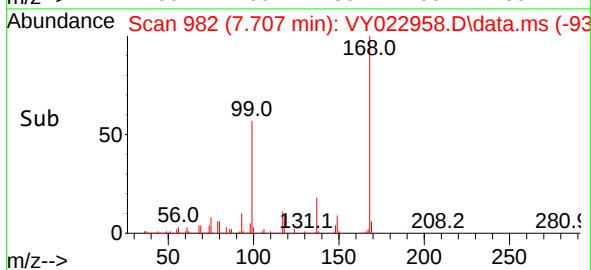
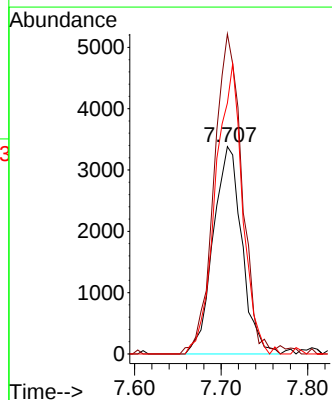
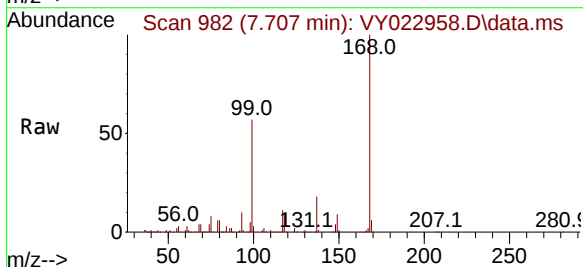
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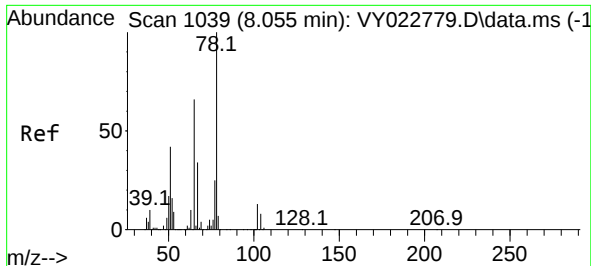
Tgt Ion:	84	Resp:	22497
Ion	Ratio	Lower	Upper
84	100		
49	118.5	101.9	152.9
51	35.2	29.8	44.8
86	57.8	51.3	76.9



#31
Cyclohexane
Concen: 1.332 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

Tgt Ion:	56	Resp:	7762
Ion	Ratio	Lower	Upper
56	100		
69	154.4	27.0	40.6#
84	121.0	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.448 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022958.D

Acq: 07 Jul 2025 14:25

Instrument :

MSVOA_Y

ClientSampleId :

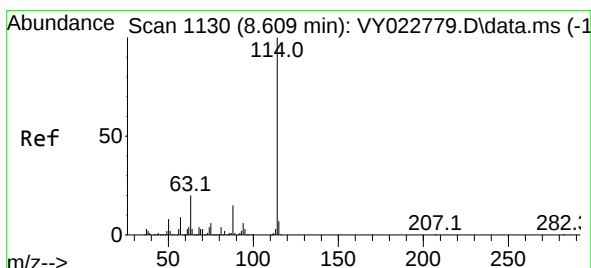
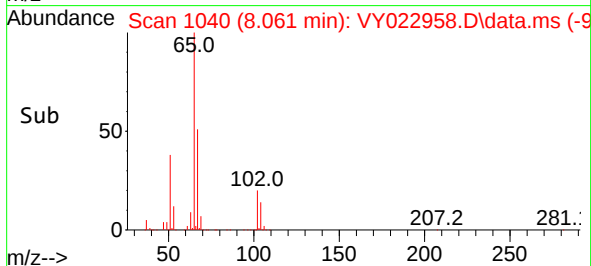
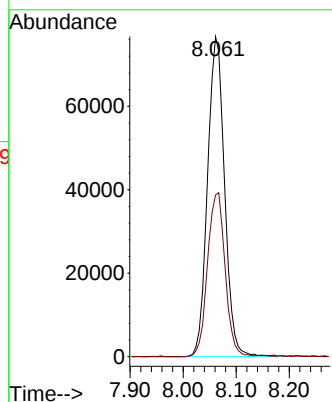
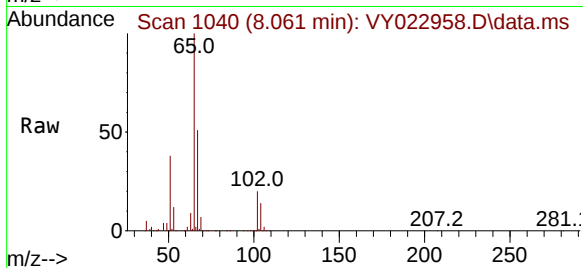
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Tgt Ion: 65 Resp: 171132

Ion Ratio Lower Upper

65 100

67 52.8 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: VY022958.D

Acq: 07 Jul 2025 14:25

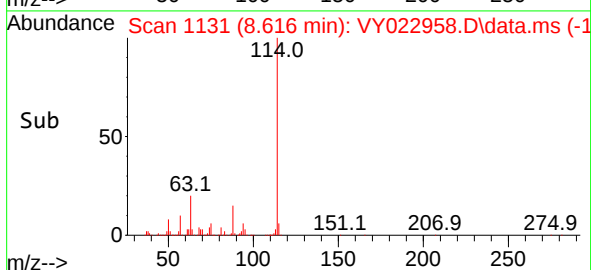
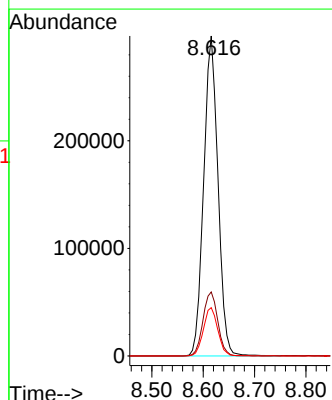
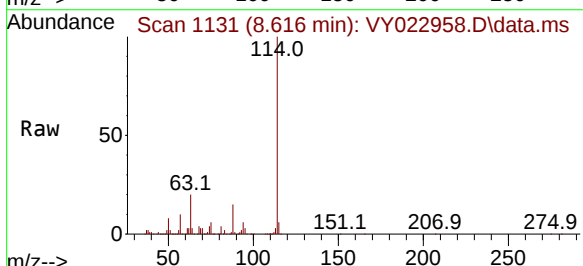
Tgt Ion: 114 Resp: 573765

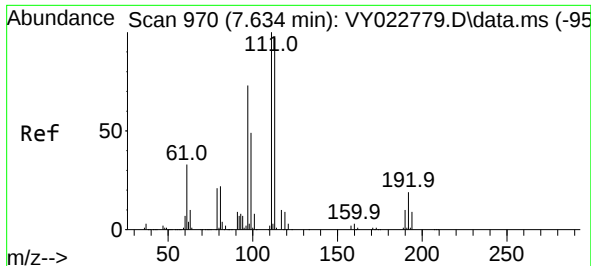
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 15.1 0.0 27.8

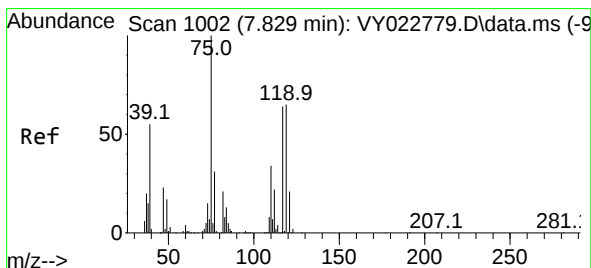
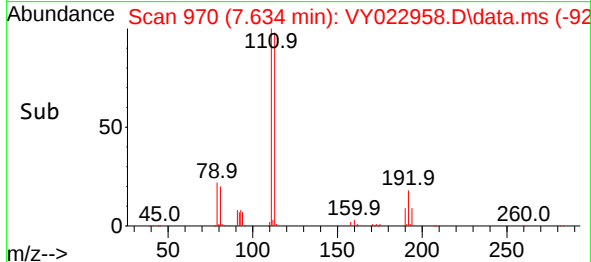
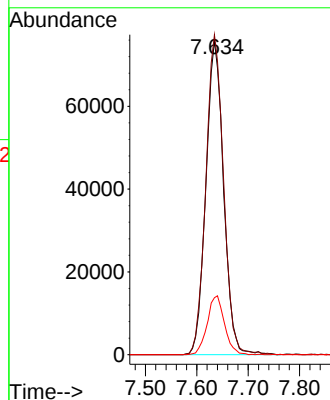
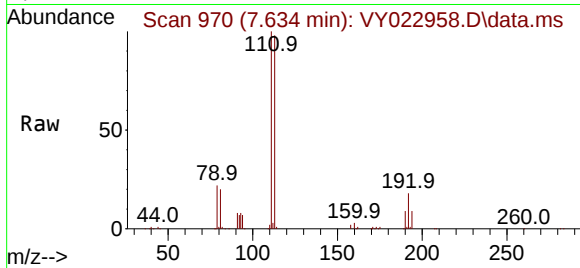




#35
Dibromofluoromethane
Concen: 51.856 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

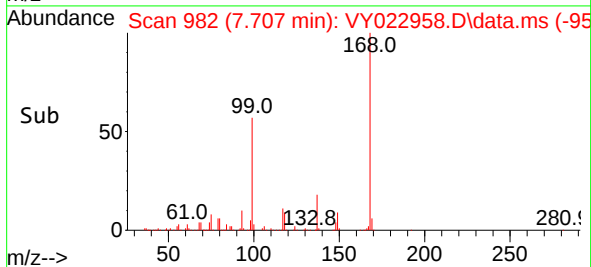
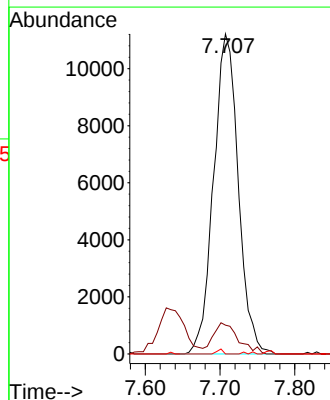
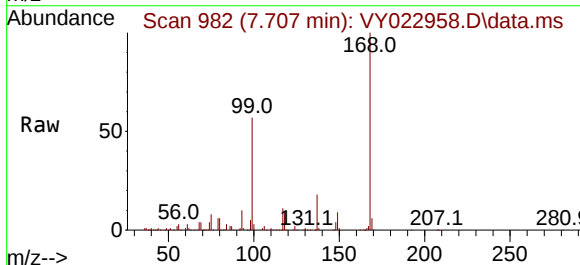
Instrument :
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ClientSampleId :
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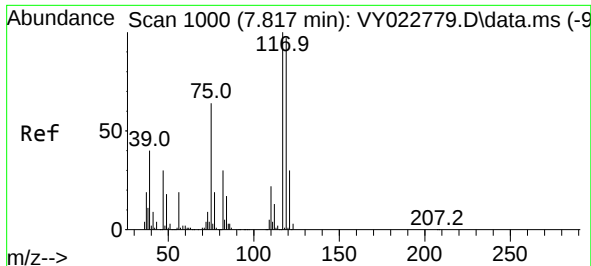
Tgt Ion:113 Resp: 180945
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 18.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.873 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

Tgt Ion: 75 Resp: 25776
Ion Ratio Lower Upper
75 100
110 9.9 16.9 50.7#
77 0.4 24.8 37.2#

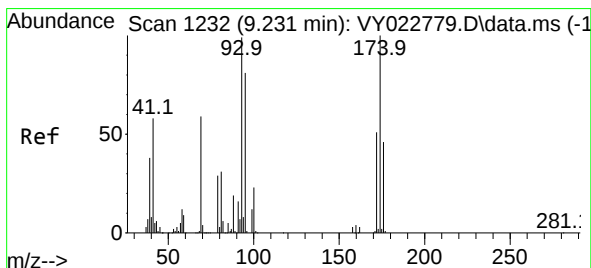
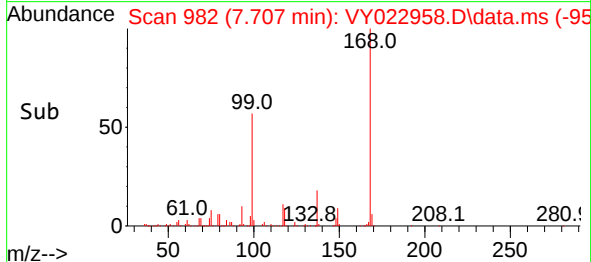
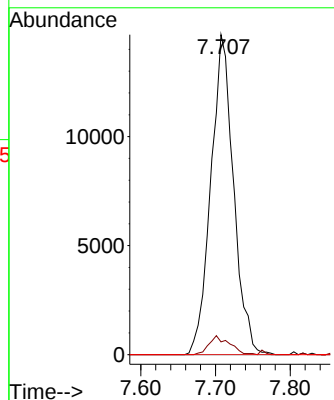
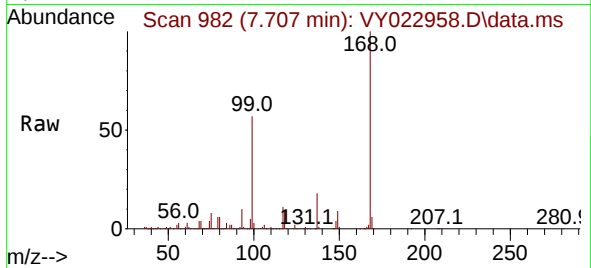




#38
Carbon Tetrachloride
Concen: 5.547 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

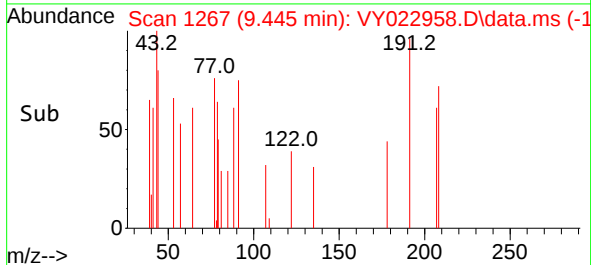
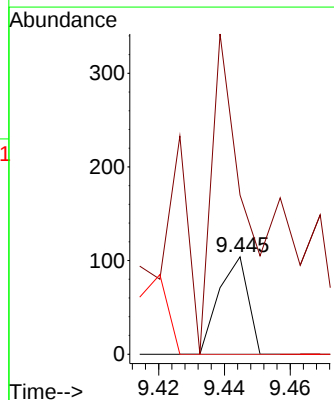
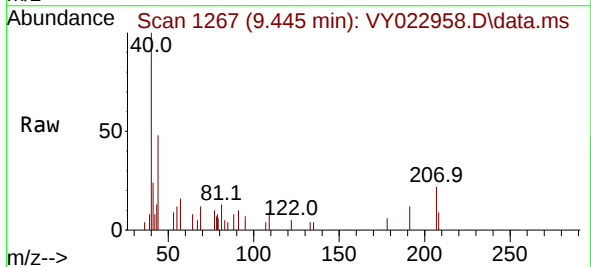
Instrument :
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ClientSampleId :
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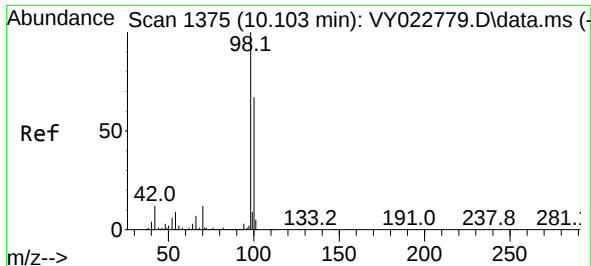
Tgt Ion:117 Resp: 30954
Ion Ratio Lower Upper
117 100
119 4.0 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 2.507 ug/l
RT: 9.445 min Scan# 1267
Delta R.T. 0.201 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 257.8 25.4 38.2#
58 0.0 54.9 82.3#

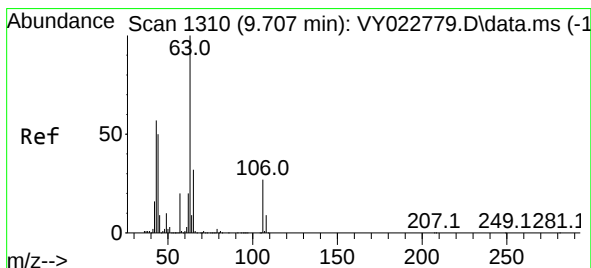
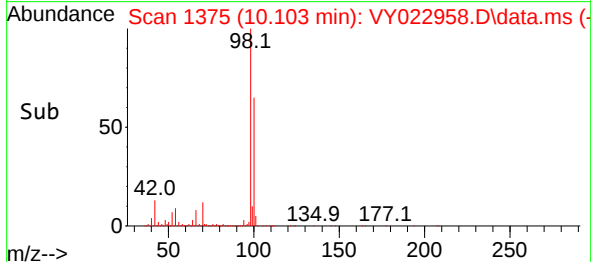
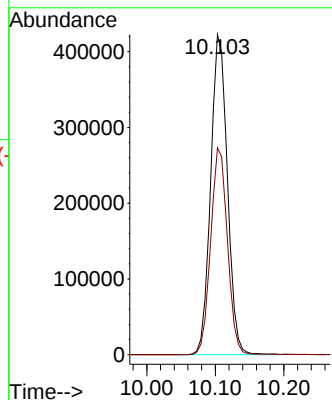
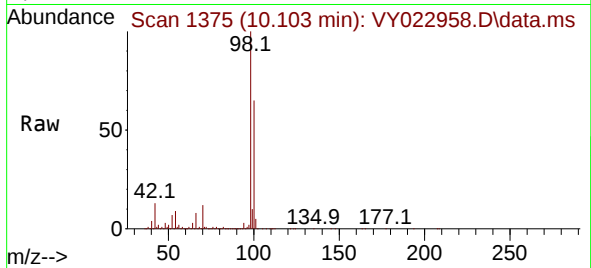




#50
Toluene-d8
Concen: 51.659 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

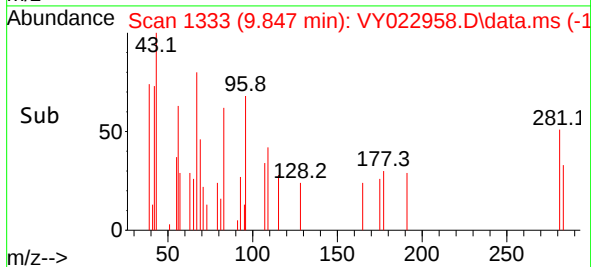
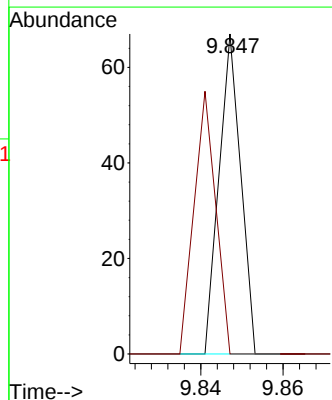
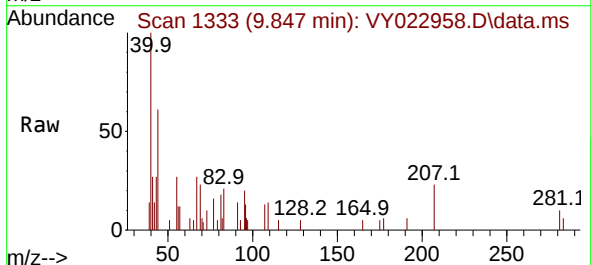
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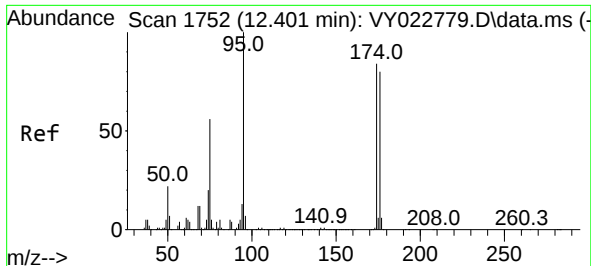
Tgt Ion: 98 Resp: 715290
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.667 ug/l
RT: 9.847 min Scan# 1333
Delta R.T. 0.134 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 80.0 21.6 32.4#

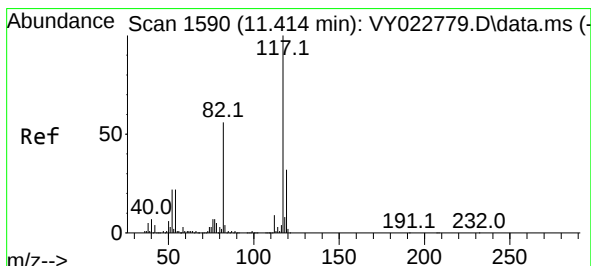
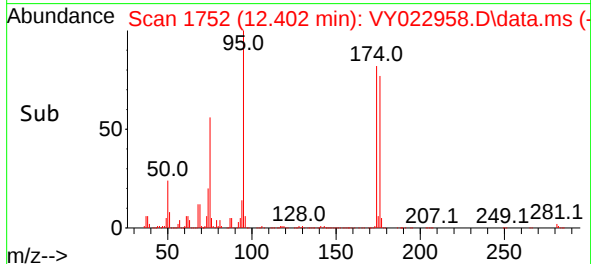
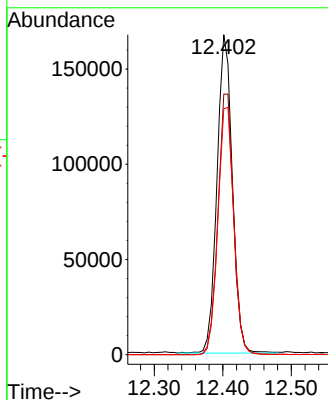
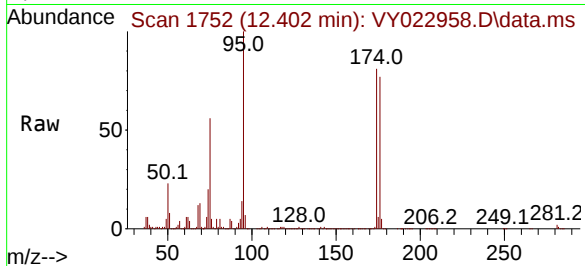




#62
4-Bromofluorobenzene
Concen: 58.407 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

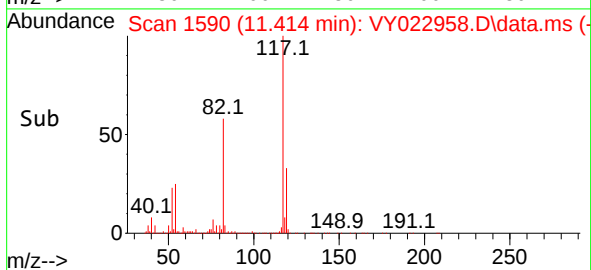
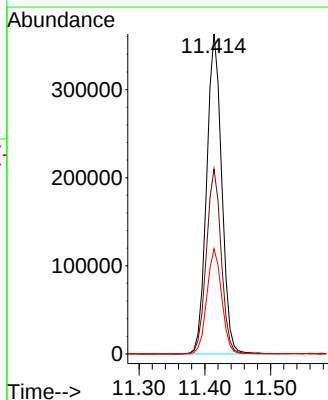
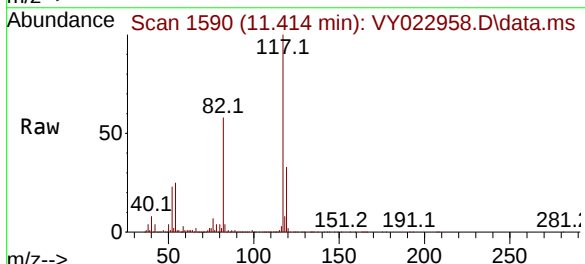
Instrument :
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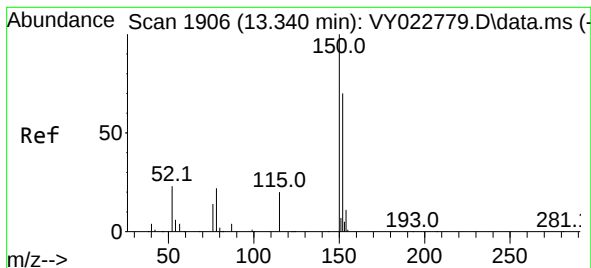
Tgt Ion: 95 Resp: 259979
Ion Ratio Lower Upper
95 100
174 83.6 0.0 170.0
176 79.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

Tgt Ion: 117 Resp: 578554
Ion Ratio Lower Upper
117 100
82 57.7 44.6 66.8
119 32.8 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: VY022958.D

Acq: 07 Jul 2025 14:25

Instrument :

MSVOA_Y

ClientSampleId :

TP-58

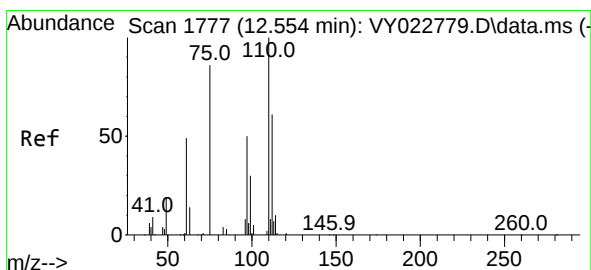
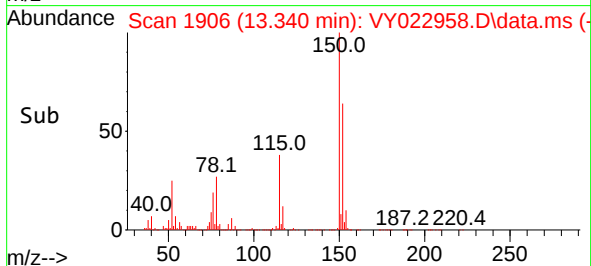
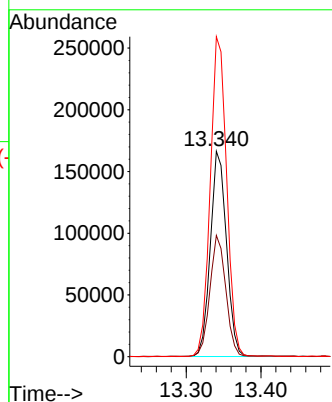
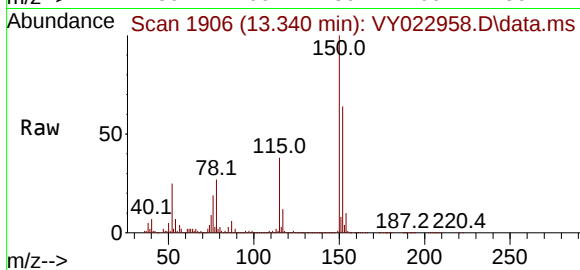
Tgt Ion:152 Resp: 249732

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 157.5 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 56.817 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022958.D

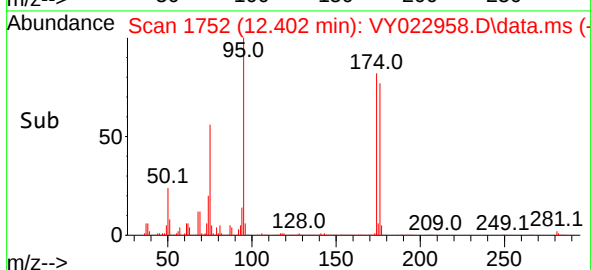
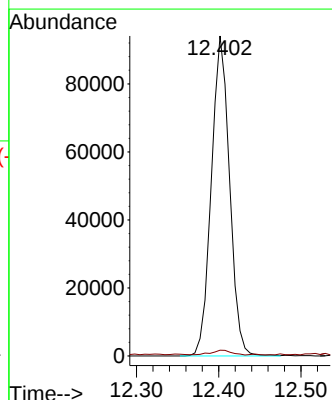
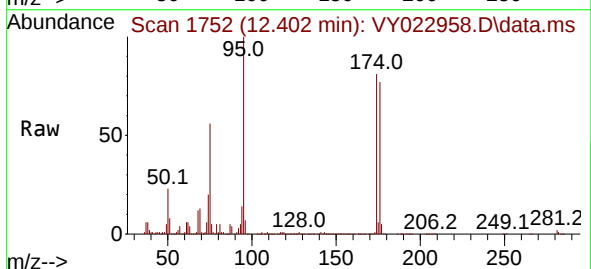
Acq: 07 Jul 2025 14:25

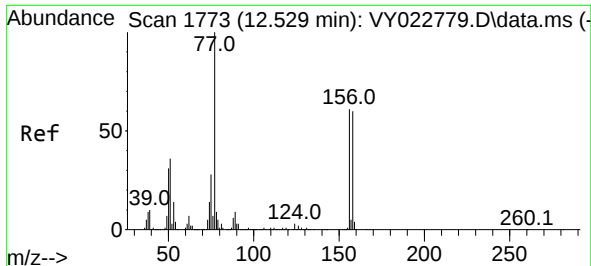
Tgt Ion: 75 Resp: 144859

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

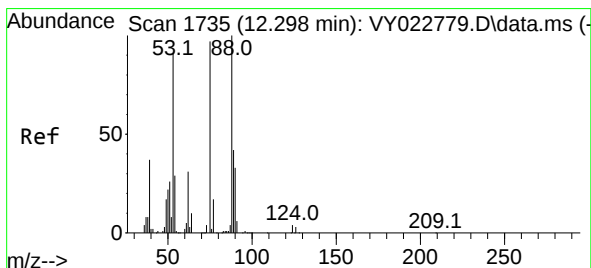
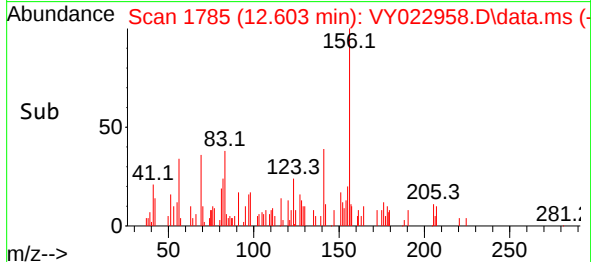
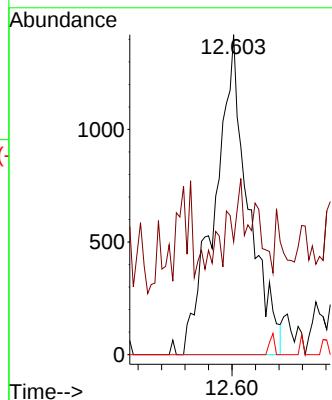
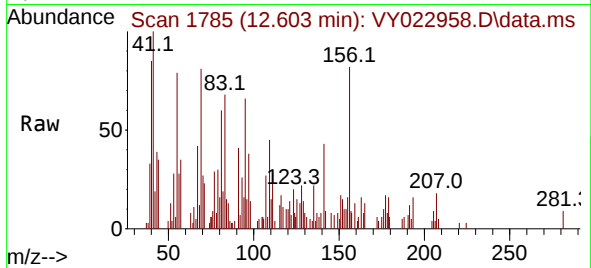




#77
Bromobenzene
Concen: 1.336 ug/l
RT: 12.603 min Scan# 1752
Delta R.T. 0.067 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

Instrument :
MSVOA_Y
ClientSampleId :
TP-58

Tgt Ion:156 Resp: 5593
Ion Ratio Lower Upper
156 100
77 8.1 94.0 282.1#
158 0.0 48.2 144.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.543 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022958.D
Acq: 07 Jul 2025 14:25

Tgt Ion: 75 Resp: 144859
Ion Ratio Lower Upper
75 100
53 0.3 78.5 117.7#
89 0.0 35.7 53.5#

