

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022823.D
 Acq On : 25 Jun 2025 14:32
 Operator : SY/MD
 Sample : Q2413-05
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-73

Quant Time: Jun 26 01:26:27 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)

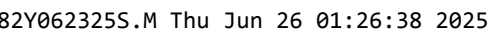
Internal Standards						
1) Pentafluorobenzene	7.701	168	352660	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	632034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	567782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	243559	50.000	ug/l	0.00

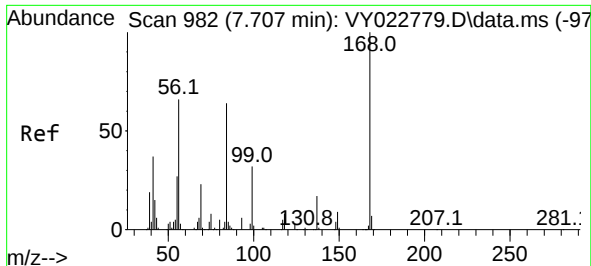
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	182145	46.276	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.560%
35) Dibromofluoromethane	7.628	113	189784	49.375	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.760%
50) Toluene-d8	10.103	98	746630	48.951	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.900%
62) 4-Bromofluorobenzene	12.401	95	246645	50.303	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.600%

Target Compounds						Qvalue
16) Acetone	3.866	43	83658	112.452	ug/l	96
20) Methylene Chloride	4.610	84	36735	7.819	ug/l	84
25) 2-Butanone	6.902	43	20062	18.529	ug/l	98
31) Cyclohexane	7.707	56	8584	1.270	ug/l #	39
36) 1,1-Dichloropropene	7.701	75	29628	5.085	ug/l #	51
37) Ethyl Acetate	6.902	43	20062	7.980	ug/l #	69
38) Carbon Tetrachloride	7.707	117	35632	5.796	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.774	63	25	15.666	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	140561	56.529	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	140561	142.814	ug/l #	11

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

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Quant Title : SW846 8260
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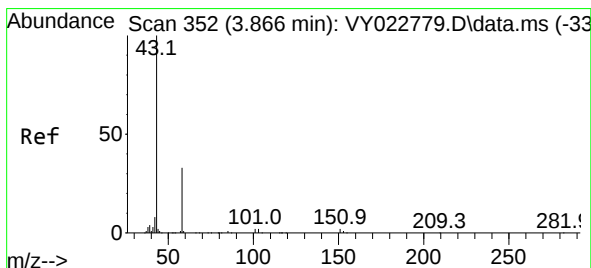
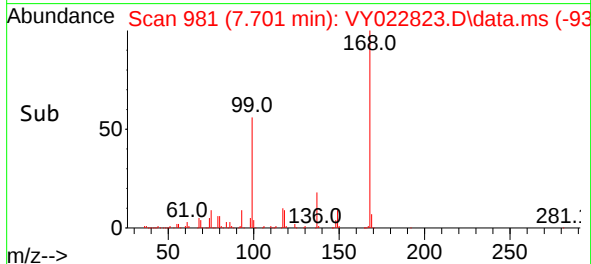
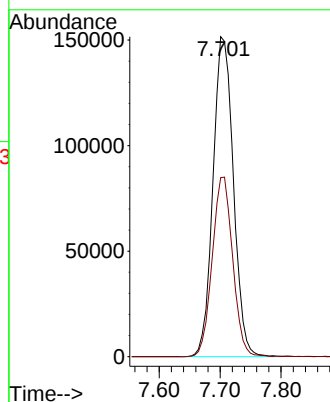
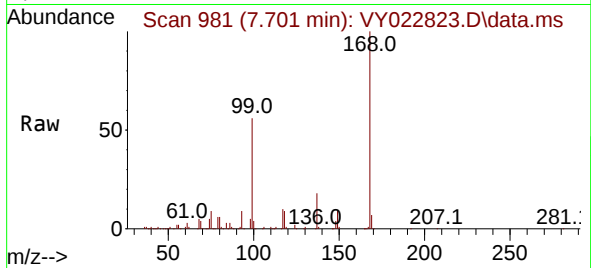




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

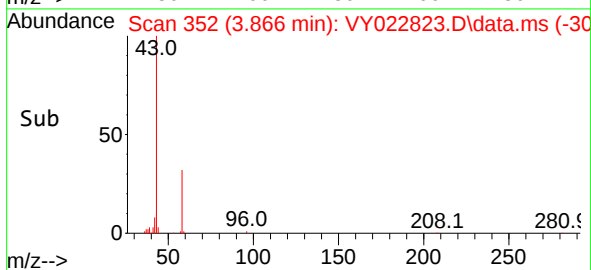
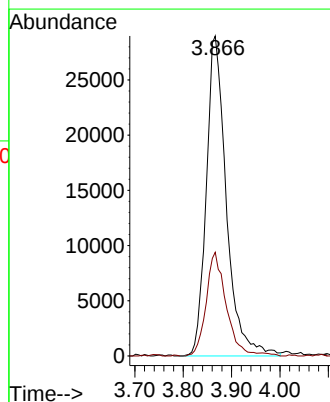
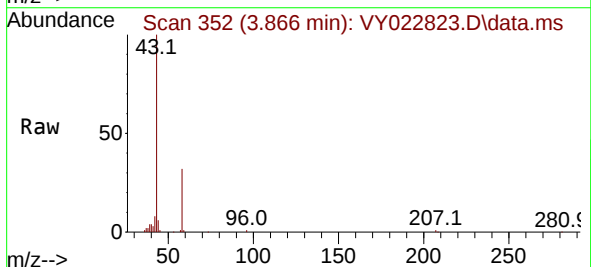
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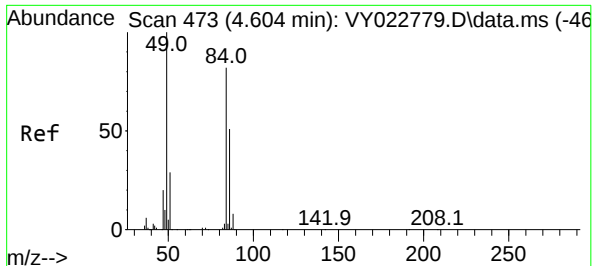
Tgt Ion:168 Resp: 352660
Ion Ratio Lower Upper
168 100
99 55.9 44.3 66.5



#16
Acetone
Concen: 112.452 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

Tgt Ion: 43 Resp: 83658
Ion Ratio Lower Upper
43 100
58 32.4 24.0 36.0

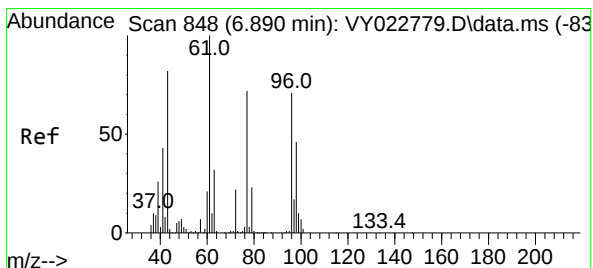
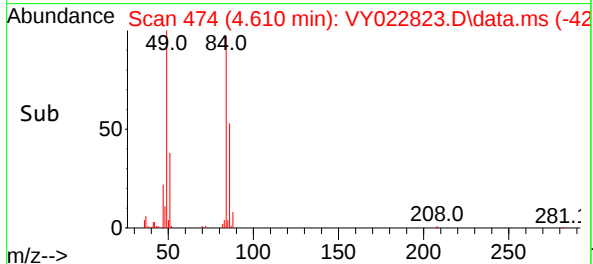
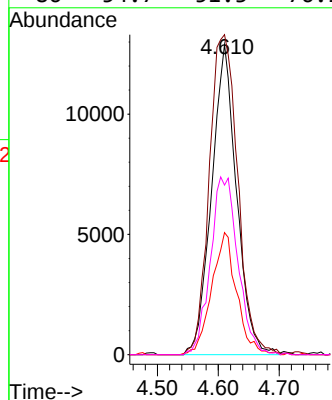
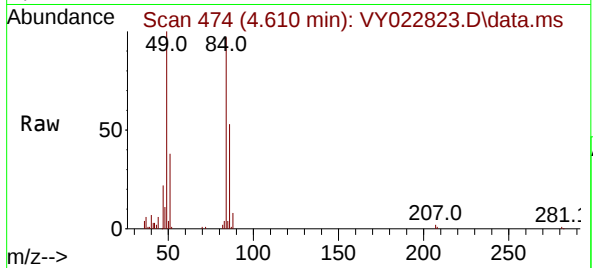




#20
Methylene Chloride
Concen: 7.819 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

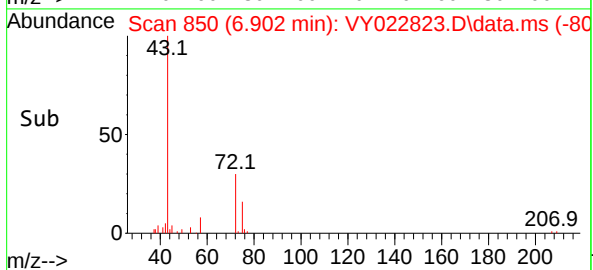
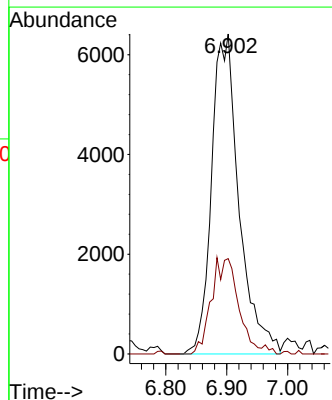
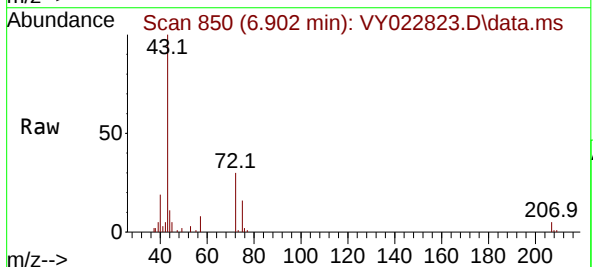
Instrument :
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ClientSampleId :
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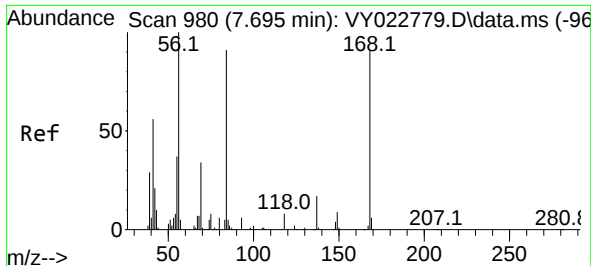
Tgt Ion:	84	Resp:	36735
Ion	Ratio	Lower	Upper
84	100		
49	103.2	101.9	152.9
51	39.4	29.8	44.8
86	54.7	51.3	76.9



#25
2-Butanone
Concen: 18.529 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

Tgt Ion:	43	Resp:	20062
Ion	Ratio	Lower	Upper
43	100		
72	29.8	22.9	34.3

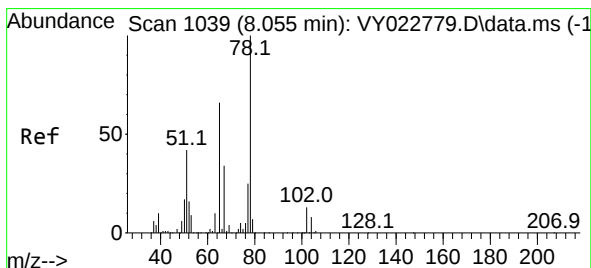
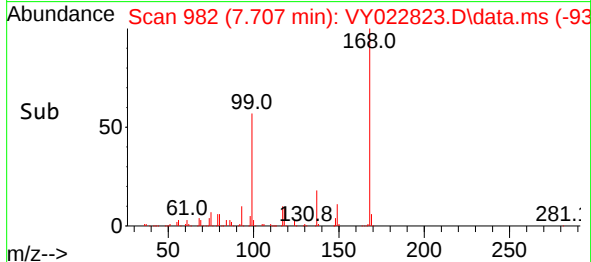
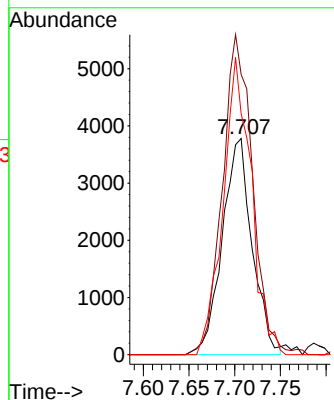
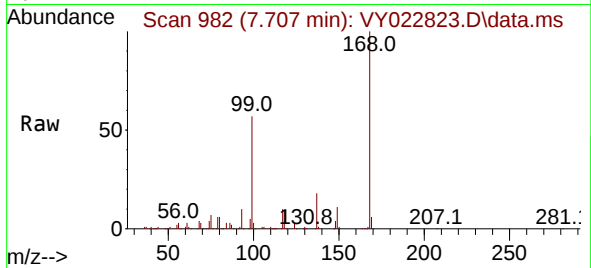




#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

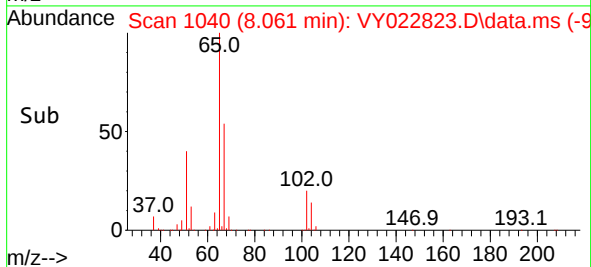
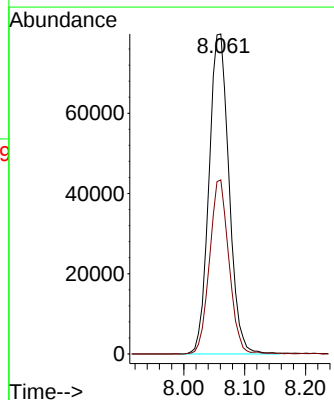
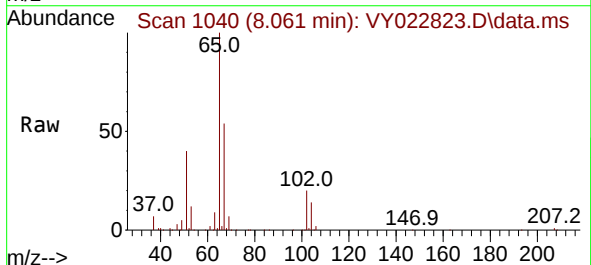
Instrument :
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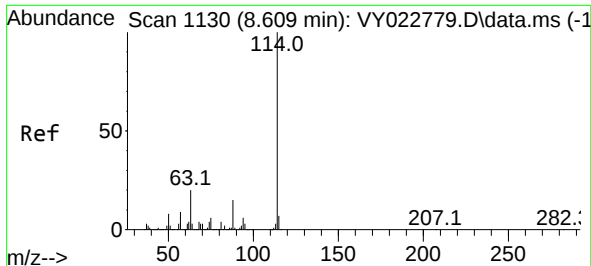
Tgt Ion: 56 Resp: 8584
Ion Ratio Lower Upper
56 100
69 129.6 27.0 40.6#
84 111.4 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 46.276 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

Tgt Ion: 65 Resp: 182145
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4

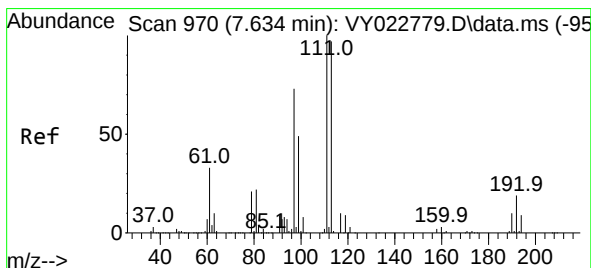
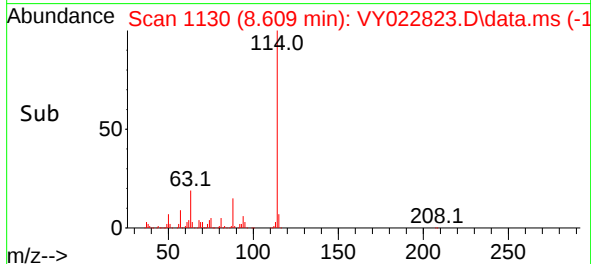
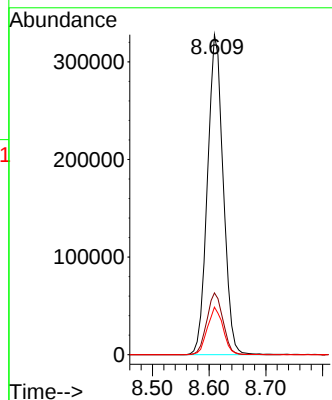
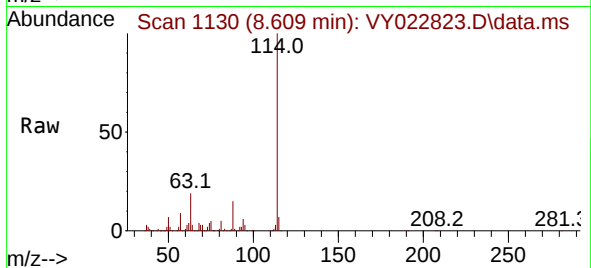




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

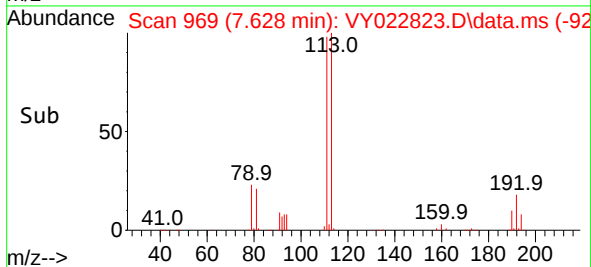
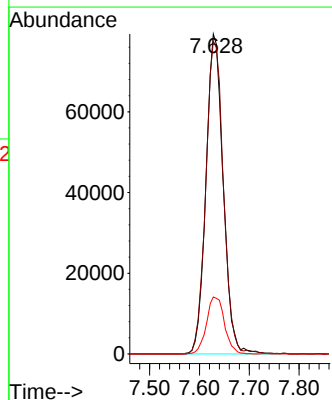
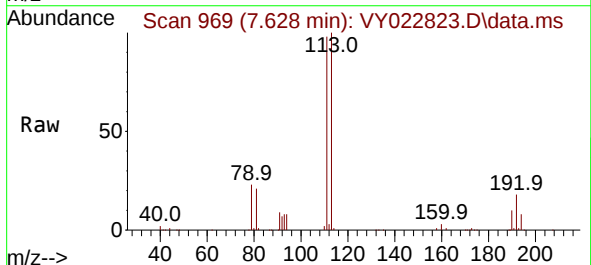
Instrument :
MSVOA_Y
ClientSampleId :
TP-73

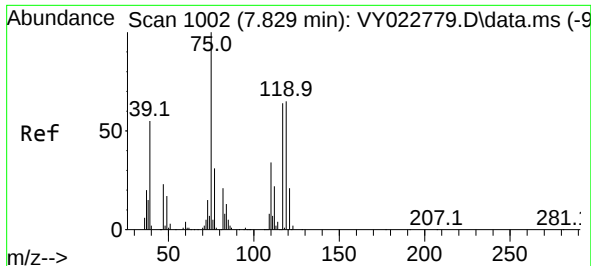
Tgt Ion:114 Resp: 632034
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.8
88 14.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.375 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

Tgt Ion:113 Resp: 189784
Ion Ratio Lower Upper
113 100
111 100.4 81.1 121.7
192 18.7 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.085 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY022823.D

Acq: 25 Jun 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-73

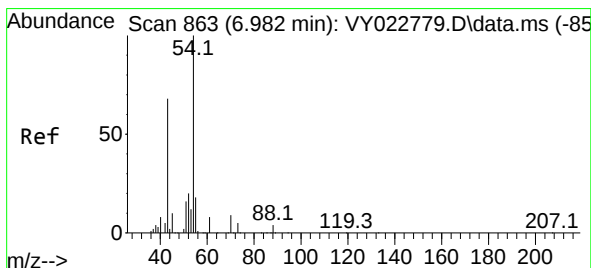
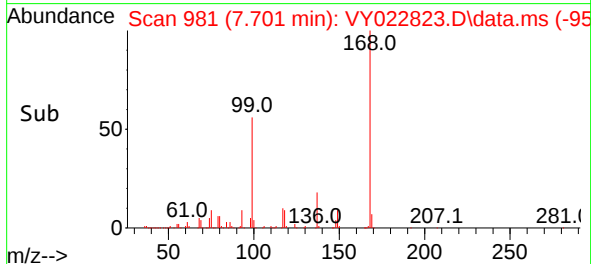
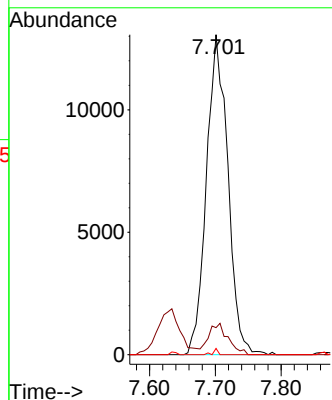
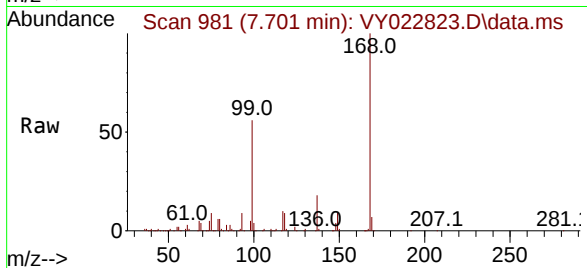
Tgt Ion: 75 Resp: 29628

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.7#

77 0.4 24.8 37.2#



#37

Ethyl Acetate

Concen: 7.980 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.092 min

Lab File: VY022823.D

Acq: 25 Jun 2025 14:32

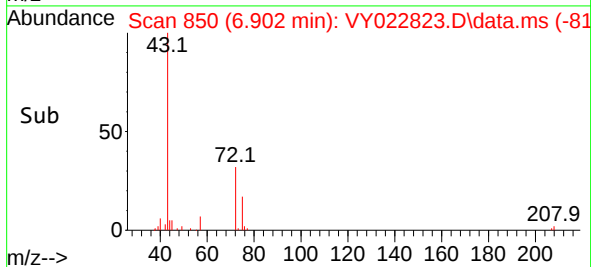
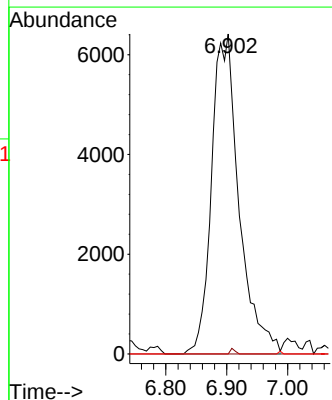
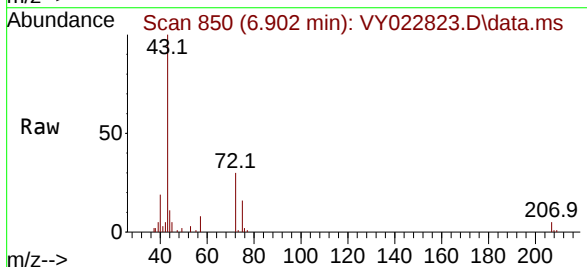
Tgt Ion: 43 Resp: 20062

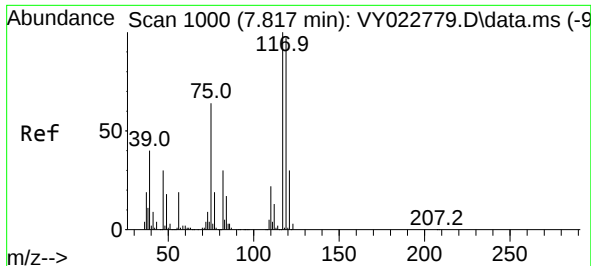
Ion Ratio Lower Upper

43 100

61 0.3 11.5 17.3#

70 0.0 7.2 10.8#

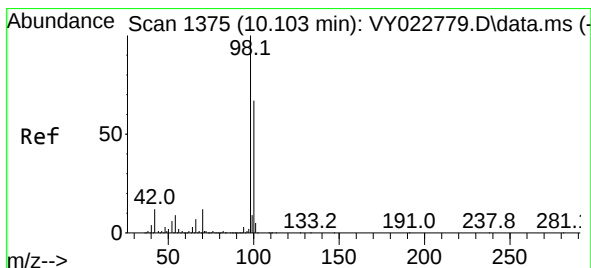
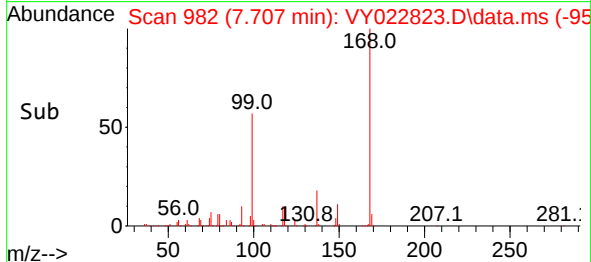
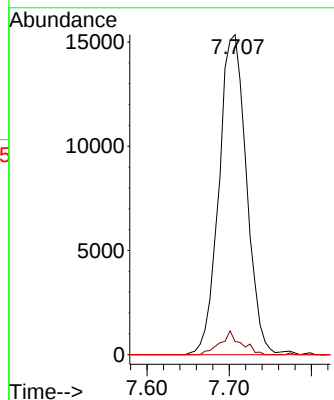
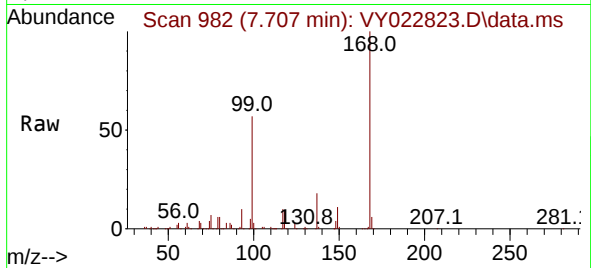




#38
Carbon Tetrachloride
Concen: 5.796 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

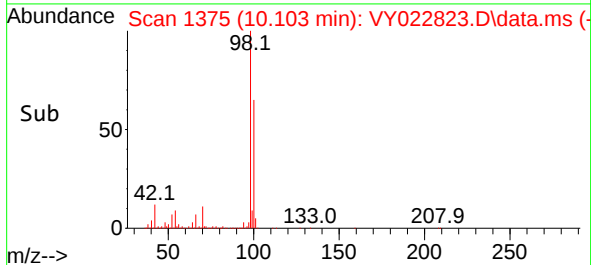
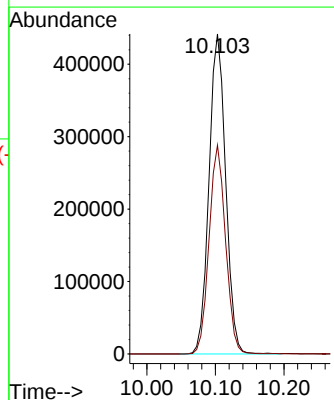
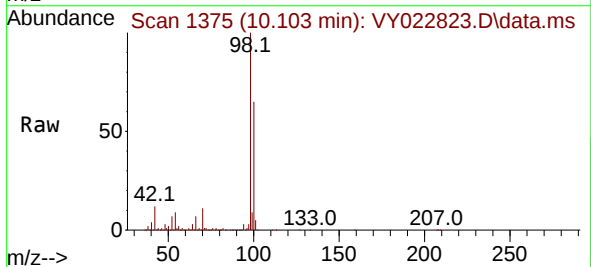
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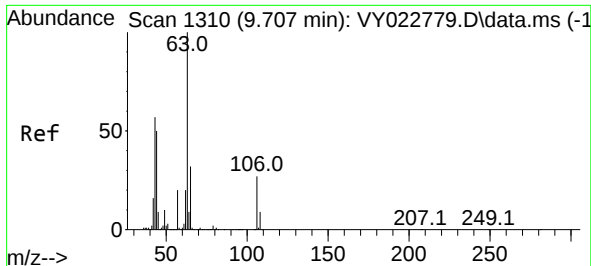
Tgt Ion:117 Resp: 35632
Ion Ratio Lower Upper
117 100
119 4.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 48.951 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

Tgt Ion: 98 Resp: 746630
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0

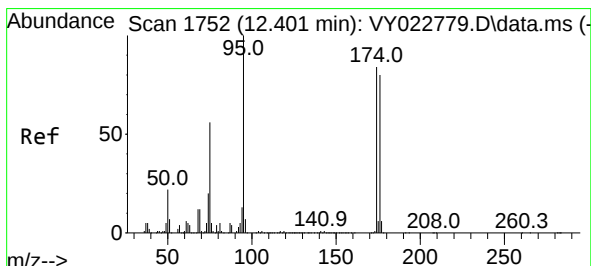
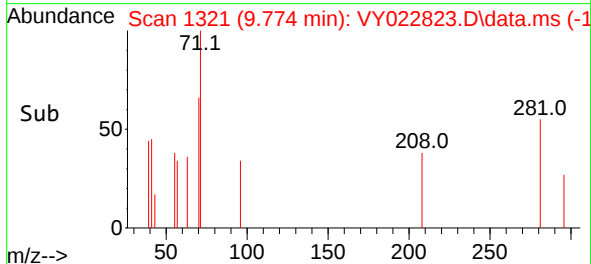
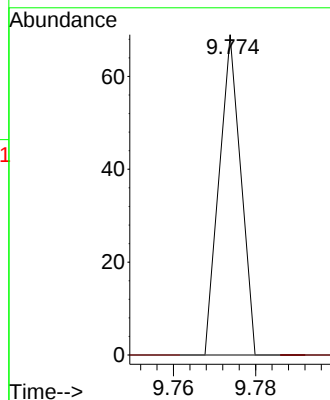
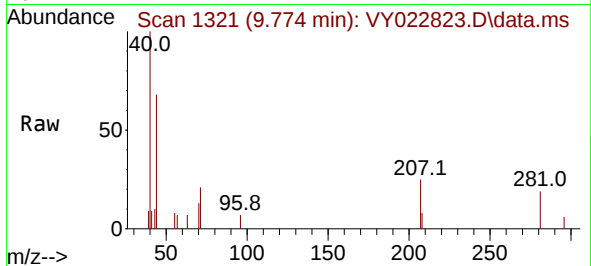




#58
2-Chloroethyl Vinyl ether
Concen: 15.666 ug/l
RT: 9.774 min Scan# 11
Delta R.T. 0.061 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

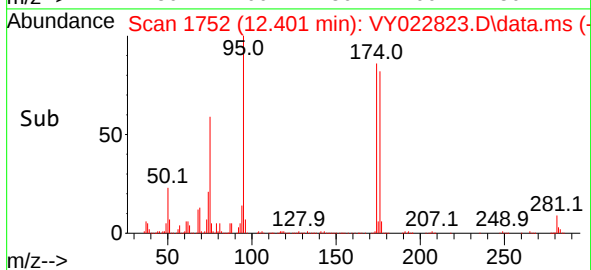
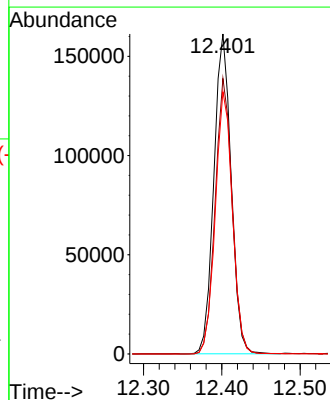
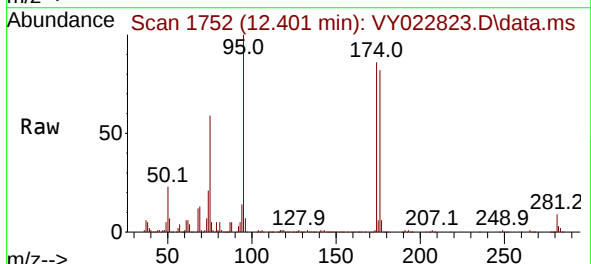
Instrument :
MSVOA_Y
ClientSampleId :
TP-73

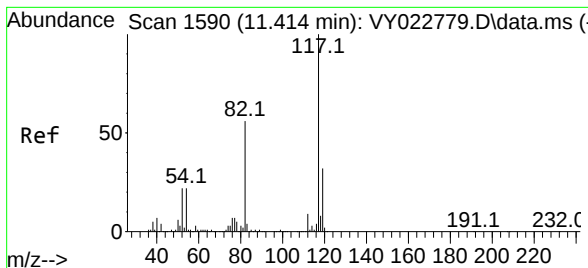
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 50.303 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022823.D
Acq: 25 Jun 2025 14:32

Tgt Ion: 95 Resp: 246645
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.0
176 81.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022823.D

Acq: 25 Jun 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-73

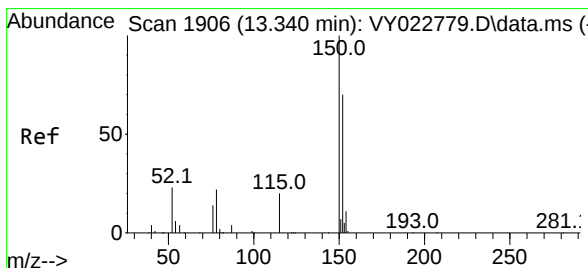
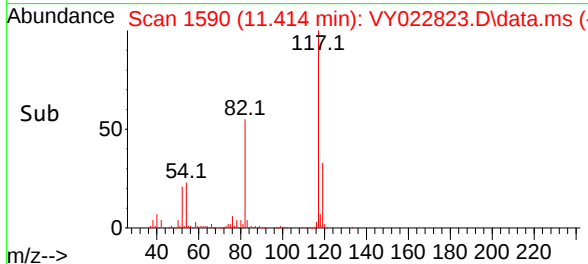
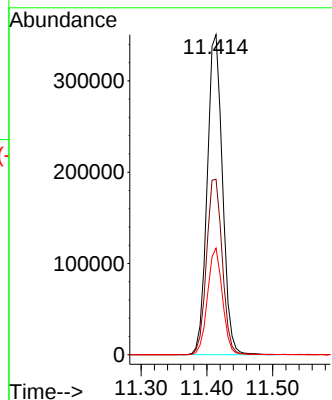
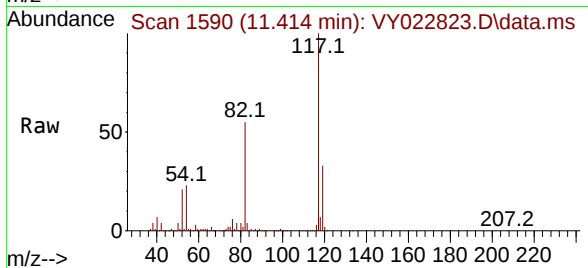
Tgt Ion:117 Resp: 567782

Ion Ratio Lower Upper

117 100

82 54.8 44.6 66.8

119 33.3 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: VY022823.D

Acq: 25 Jun 2025 14:32

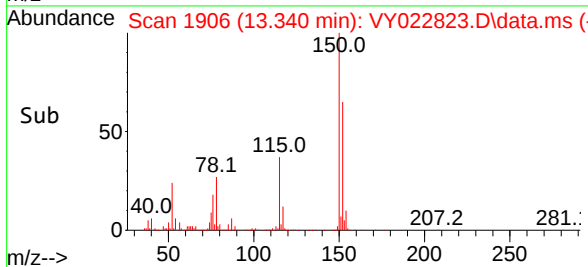
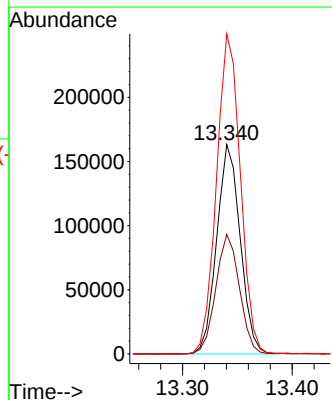
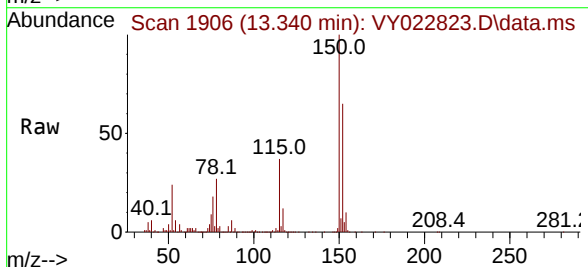
Tgt Ion:152 Resp: 243559

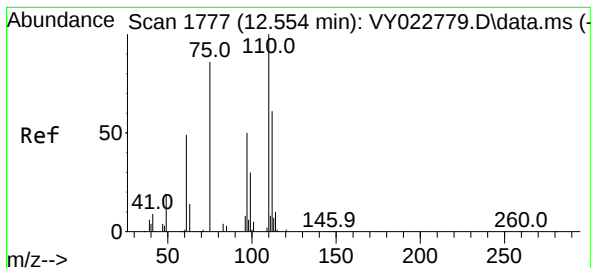
Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

150 155.2 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 56.529 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022823.D

Acq: 25 Jun 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

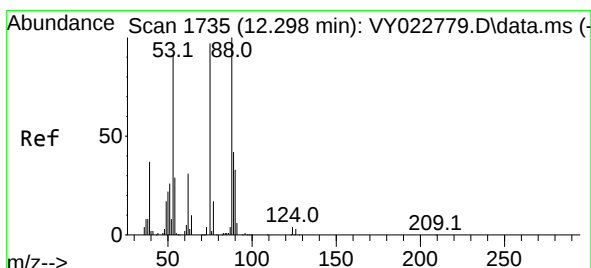
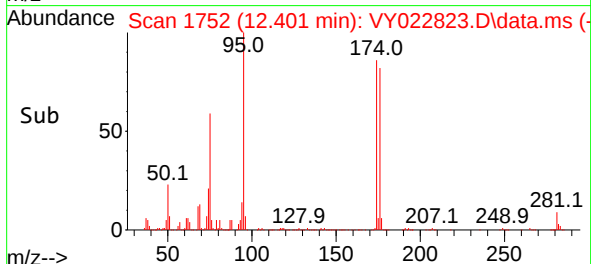
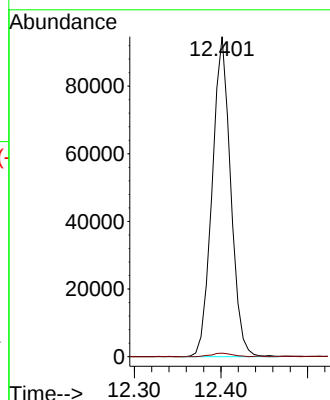
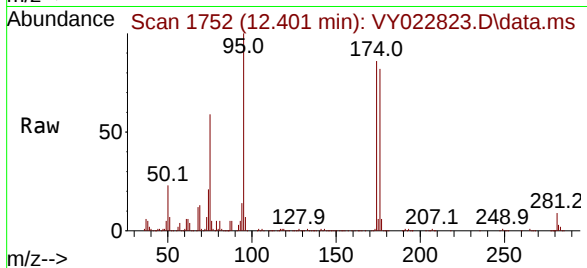
TP-73

Tgt Ion: 75 Resp: 140561

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.814 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022823.D

Acq: 25 Jun 2025 14:32

Tgt Ion: 75 Resp: 140561

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.2 35.7 53.5#

