

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022888.D
 Acq On : 30 Jun 2025 18:22
 Operator : SY/MD
 Sample : Q2458-02
 Misc : 3.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-55

Quant Time: Jul 01 03:42:24 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)

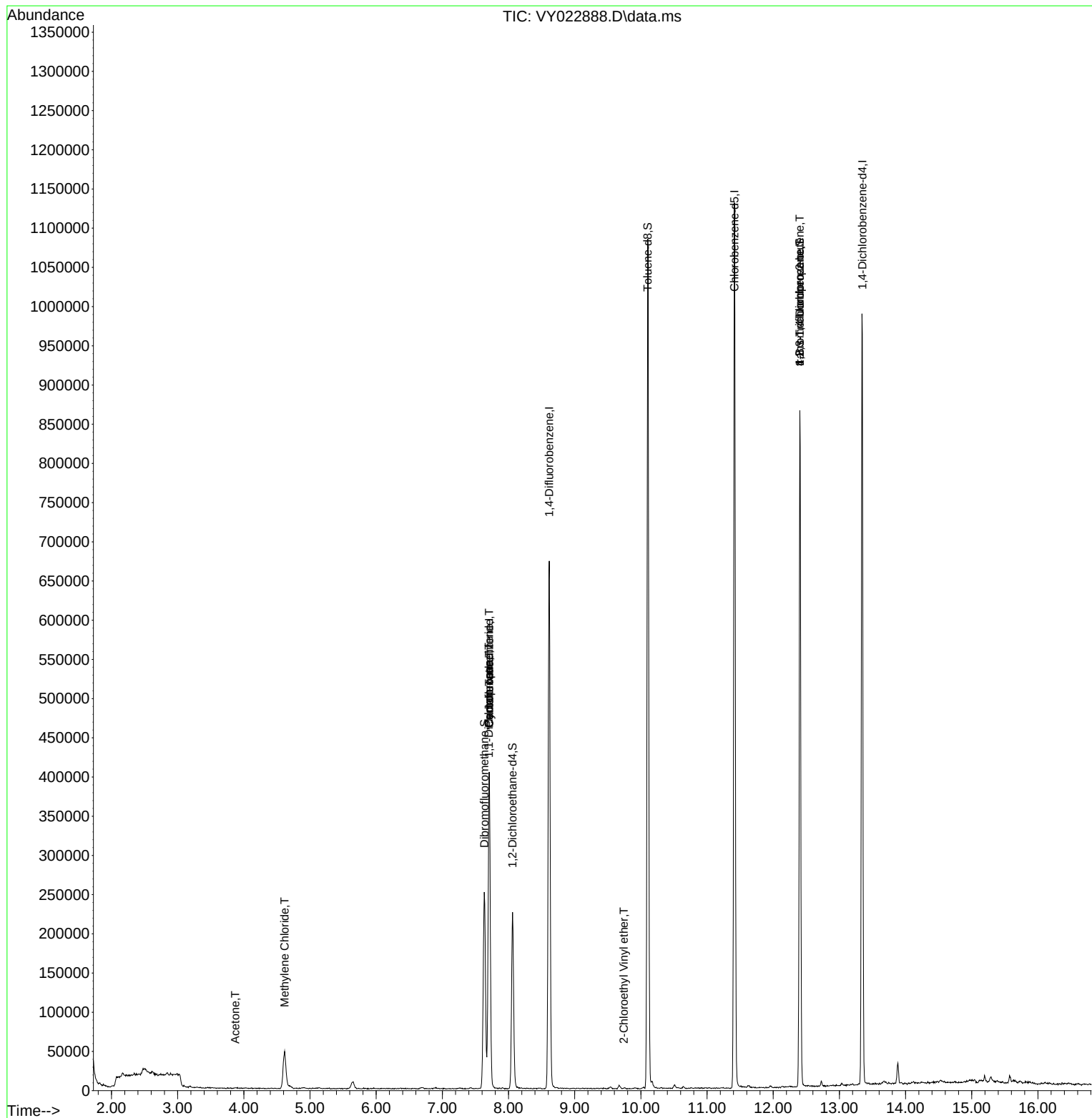
Internal Standards						
1) Pentafluorobenzene	7.707	168	302919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	573452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	562005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	240190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	175271	51.842	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.680%	
35) Dibromofluoromethane	7.634	113	179092	51.353	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.700%	
50) Toluene-d8	10.103	98	700038	50.585	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.180%	
62) 4-Bromofluorobenzene	12.401	95	251178	56.461	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.920%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	943	1.476	ug/l #	1
20) Methylene Chloride	4.616	84	33100	8.202	ug/l	95
31) Cyclohexane	7.707	56	7960	1.371	ug/l #	32
36) 1,1-Dichloropropene	7.701	75	27001	5.108	ug/l #	50
38) Carbon Tetrachloride	7.707	117	31055	5.568	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.743	63	18	15.664	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	141639	57.761	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	141639	145.928	ug/l #	10

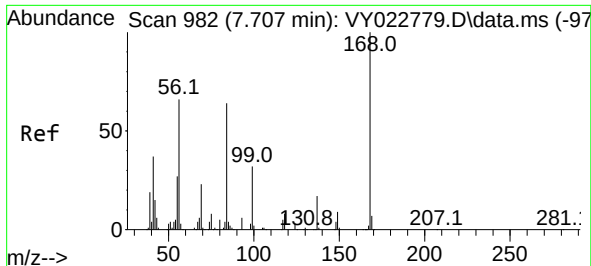
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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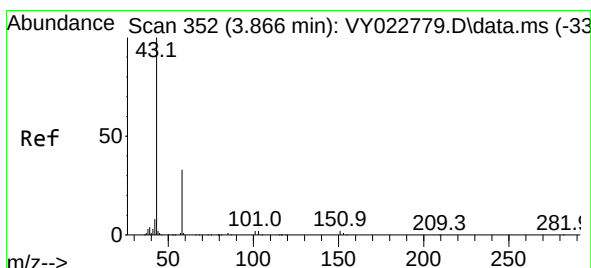
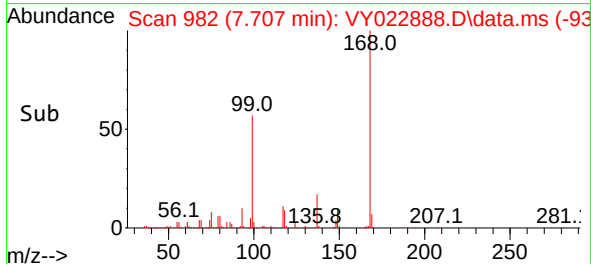
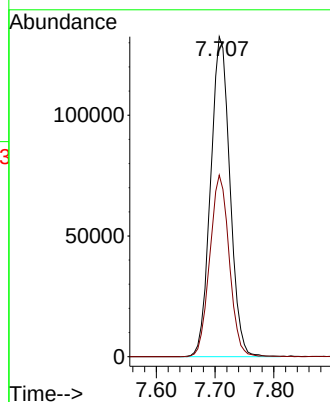
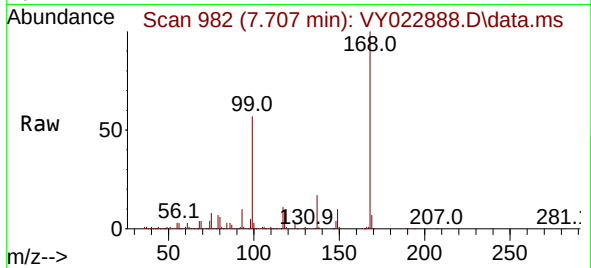




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022888.D
Acq: 30 Jun 2025 18:22

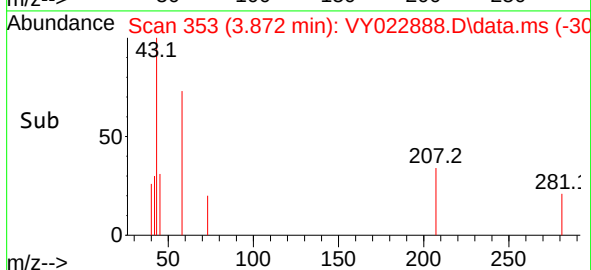
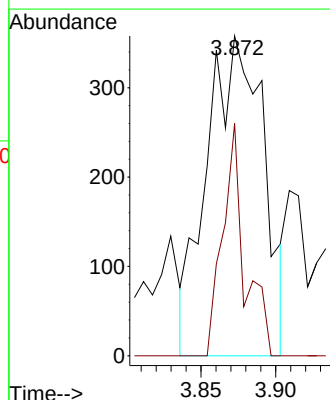
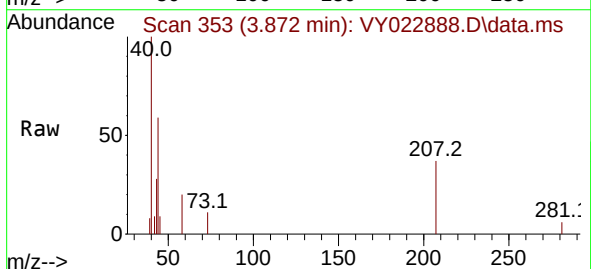
Instrument :
MSVOA_Y
ClientSampleId :
TP-55

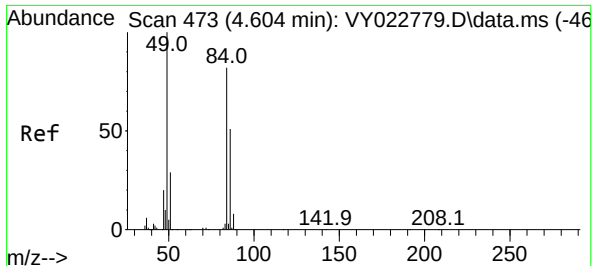
Tgt Ion:168 Resp: 302919
Ion Ratio Lower Upper
168 100
99 56.7 44.3 66.5



#16
Acetone
Concen: 1.476 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022888.D
Acq: 30 Jun 2025 18:22

Tgt Ion: 43 Resp: 943
Ion Ratio Lower Upper
43 100
58 92.2 24.0 36.0#



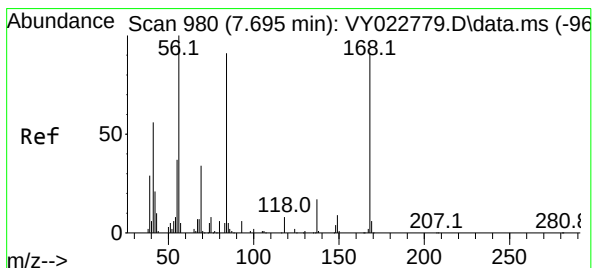
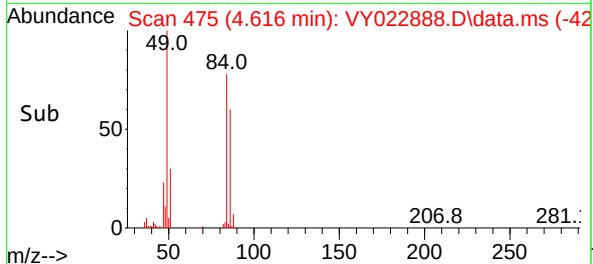
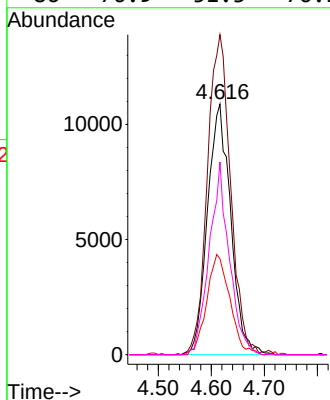
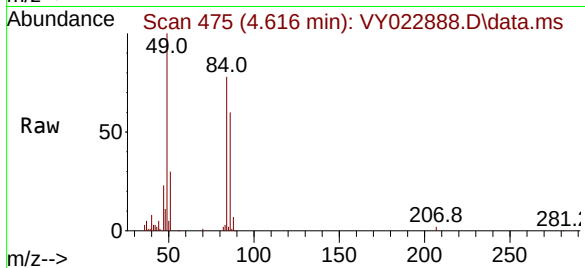


#20
Methylene Chloride
Concen: 8.202 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022888.D
Acq: 30 Jun 2025 18:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-55

Tgt Ion: 84 Resp: 33100

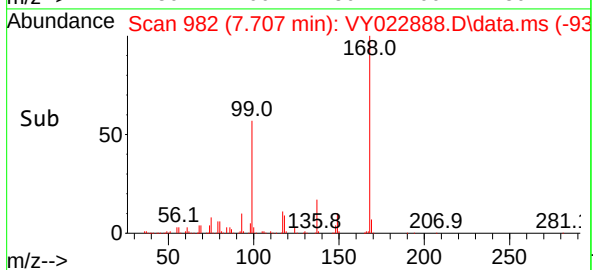
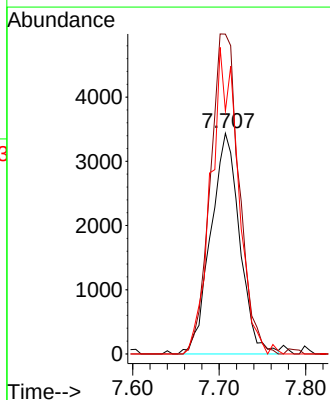
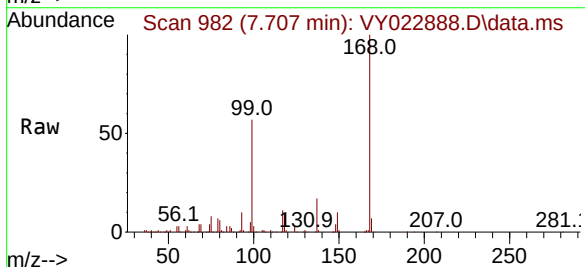
Ion	Ratio	Lower	Upper
84	100		
49	127.7	101.9	152.9
51	38.3	29.8	44.8
86	76.9	51.3	76.9

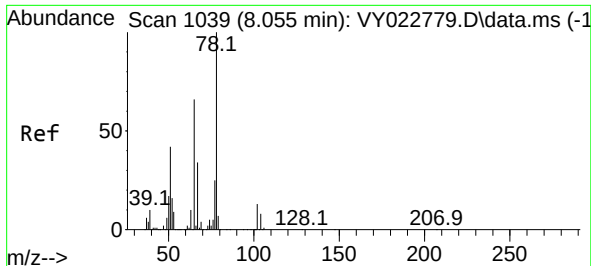


#31
Cyclohexane
Concen: 1.371 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022888.D
Acq: 30 Jun 2025 18:22

Tgt Ion: 56 Resp: 7960

Ion	Ratio	Lower	Upper
56	100		
69	145.0	27.0	40.6#
84	110.1	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.842 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022888.D

Acq: 30 Jun 2025 18:22

Instrument :

MSVOA_Y

ClientSampleId :

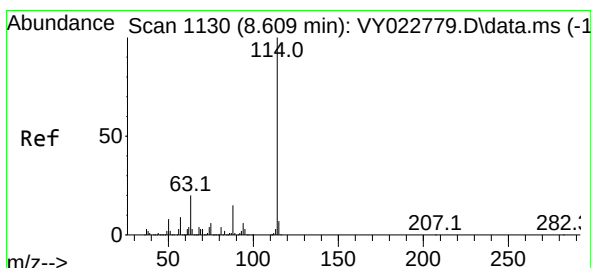
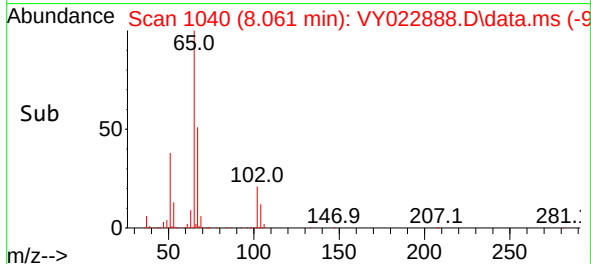
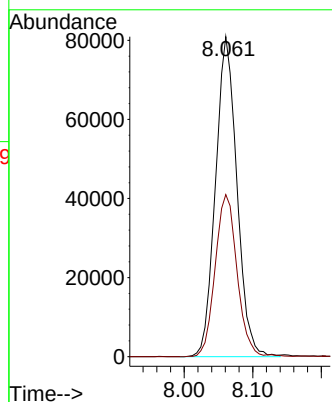
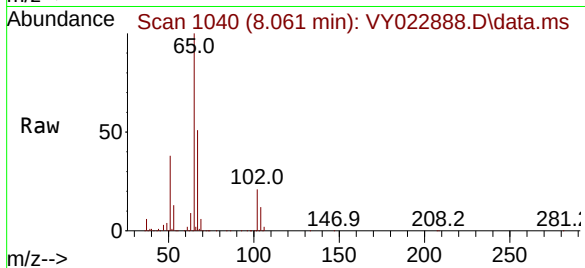
TP-55

Tgt Ion: 65 Resp: 175271

Ion Ratio Lower Upper

65 100

67 51.9 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: VY022888.D

Acq: 30 Jun 2025 18:22

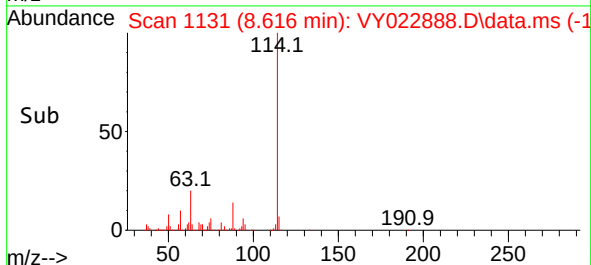
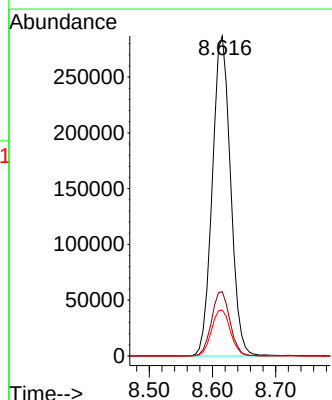
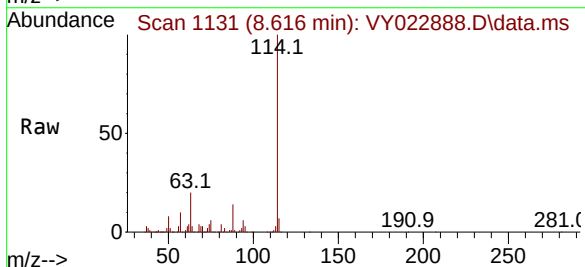
Tgt Ion: 114 Resp: 573452

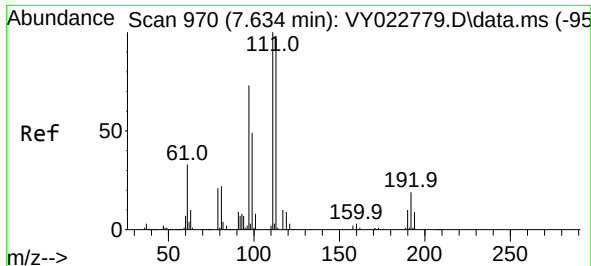
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 14.4 0.0 27.8

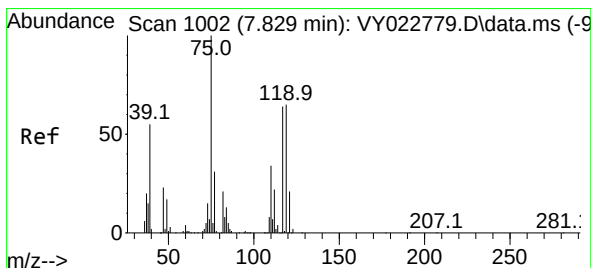
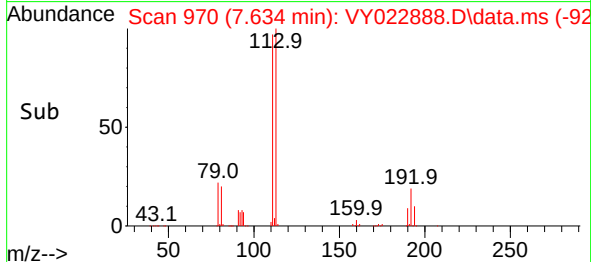
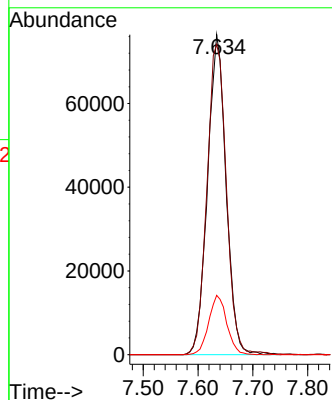
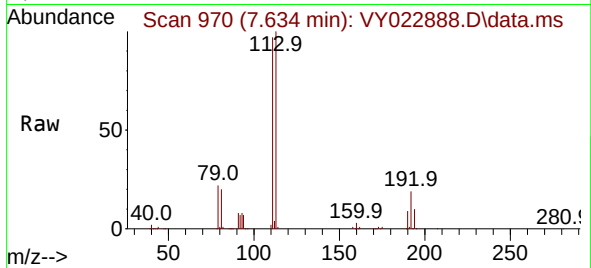




#35
Dibromofluoromethane
Concen: 51.353 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022888.D
Acq: 30 Jun 2025 18:22

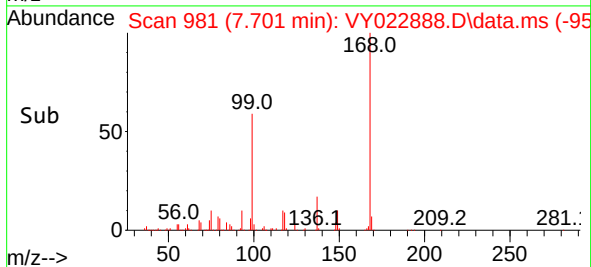
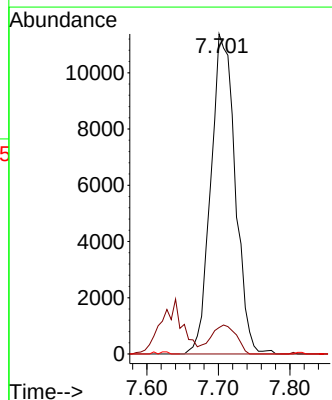
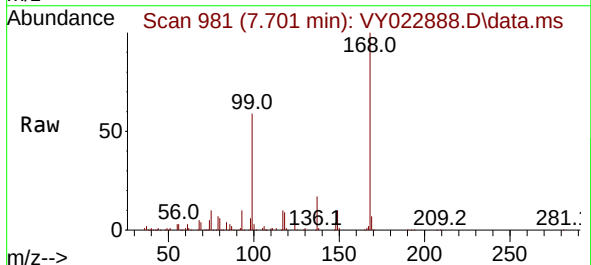
Instrument :
MSVOA_Y
ClientSampleId :
TP-55

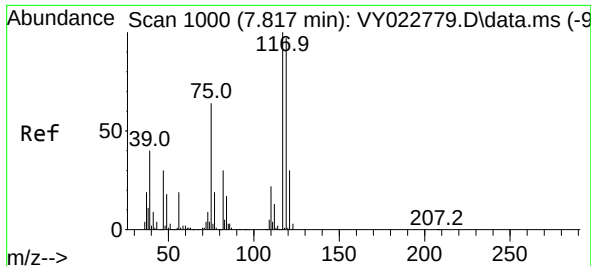
Tgt Ion:113 Resp: 179092
Ion Ratio Lower Upper
113 100
111 101.6 81.1 121.7
192 18.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.108 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022888.D
Acq: 30 Jun 2025 18:22

Tgt Ion: 75 Resp: 27001
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.0 24.8 37.2#

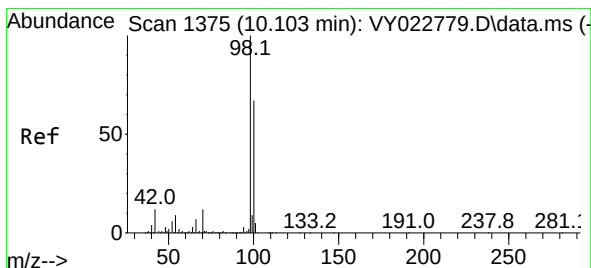
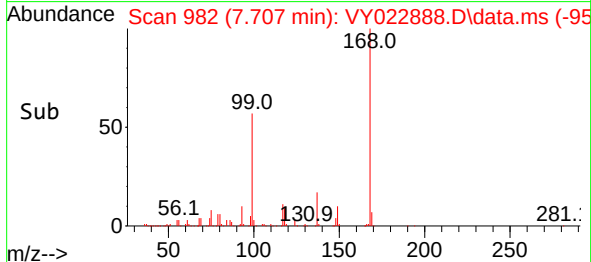
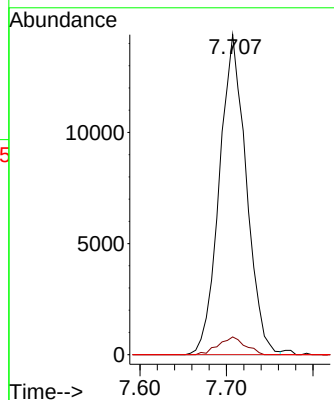
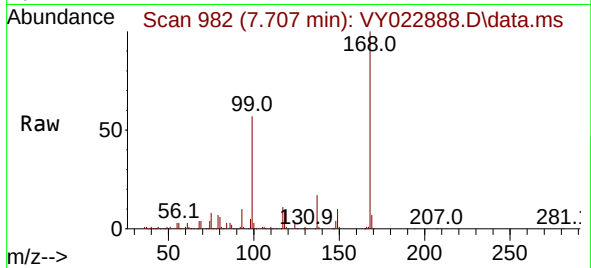




#38
Carbon Tetrachloride
Concen: 5.568 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022888.D
Acq: 30 Jun 2025 18:22

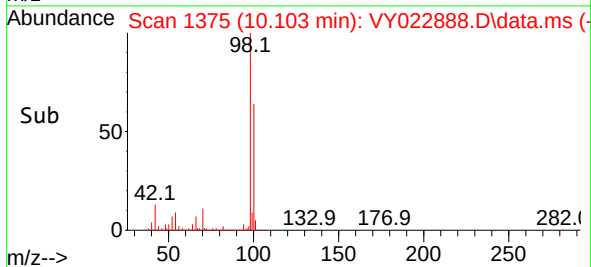
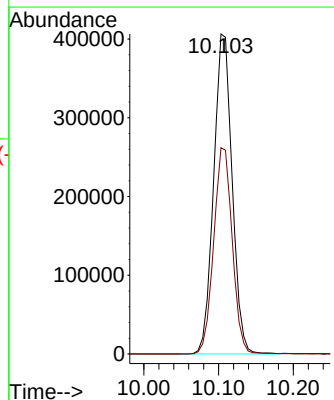
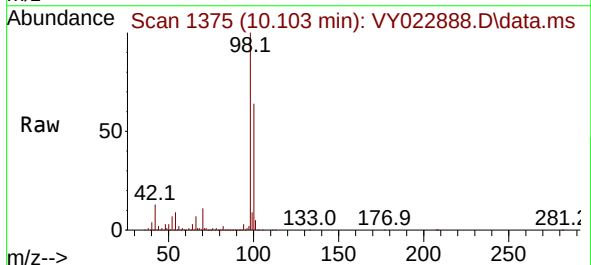
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ClientSampleId :
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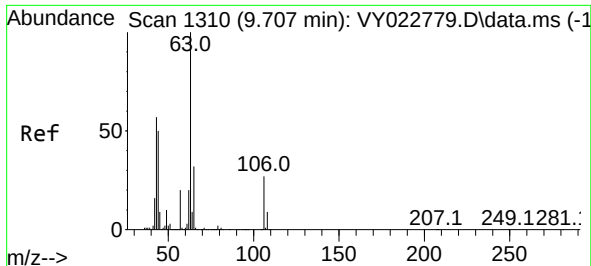
Tgt Ion:117 Resp: 31055
Ion Ratio Lower Upper
117 100
119 5.5 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.585 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022888.D
Acq: 30 Jun 2025 18:22

Tgt Ion: 98 Resp: 700038
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

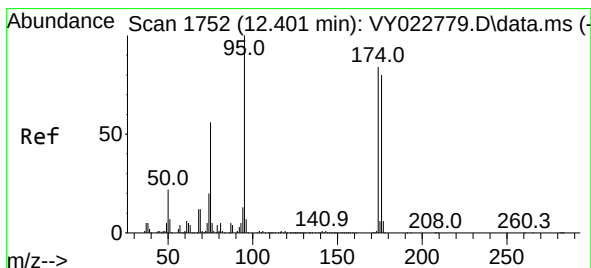
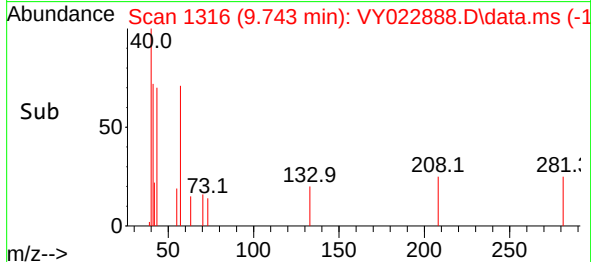
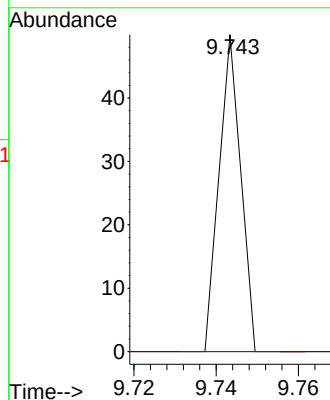
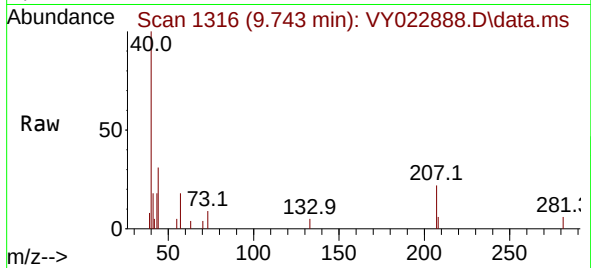




#58
2-Chloroethyl Vinyl ether
Concen: 15.664 ug/l
RT: 9.743 min Scan# 11
Delta R.T. 0.030 min
Lab File: VY022888.D
Acq: 30 Jun 2025 18:22

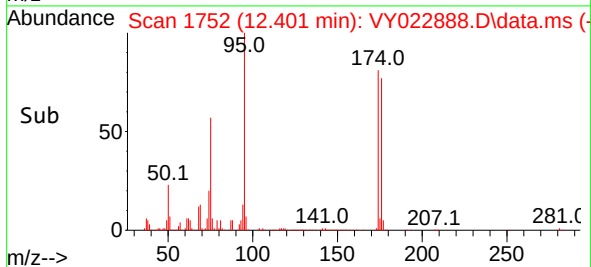
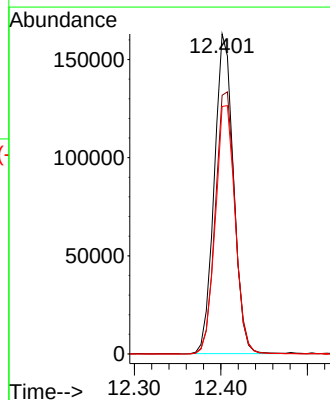
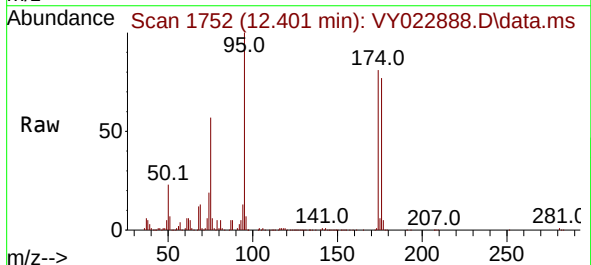
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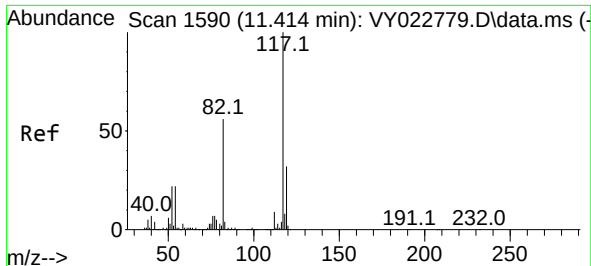
Tgt Ion: 63 Resp: 18
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 56.461 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022888.D
Acq: 30 Jun 2025 18:22

Tgt Ion: 95 Resp: 251178
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.0
176 80.1 0.0 166.2

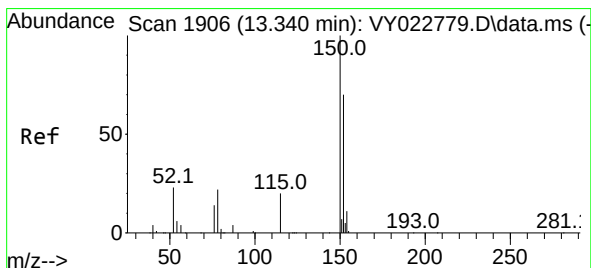
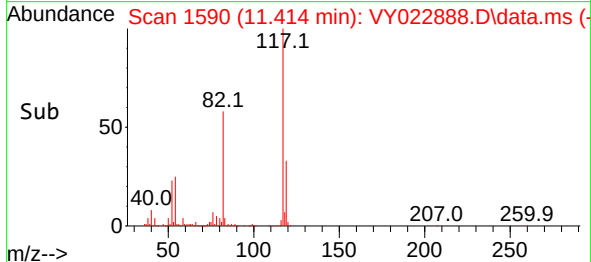
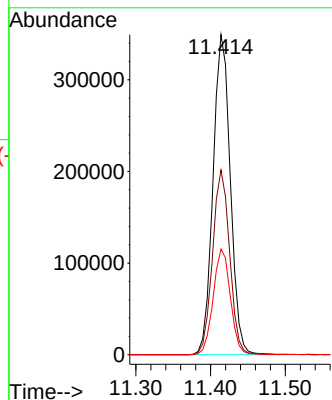
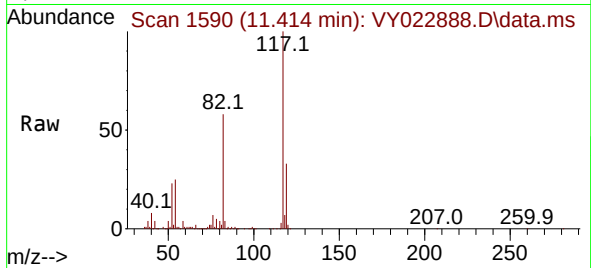




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022888.D
Acq: 30 Jun 2025 18:22

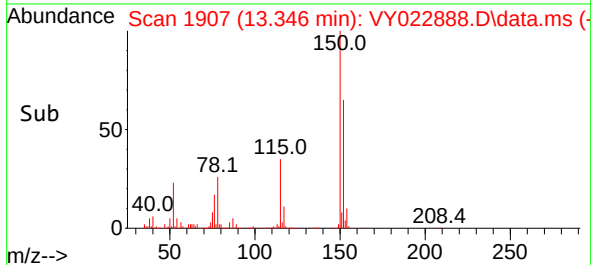
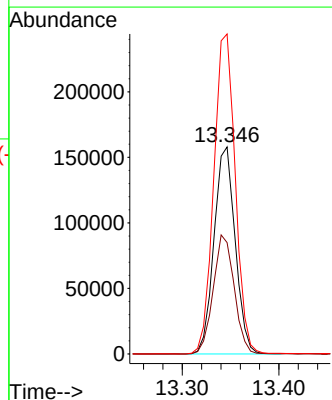
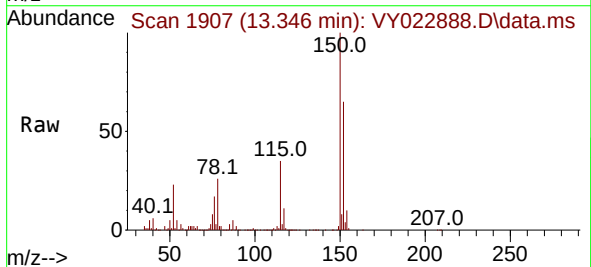
Instrument :
MSVOA_Y
ClientSampleId :
TP-55

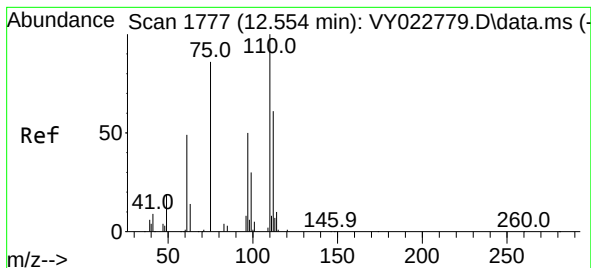
Tgt Ion:117 Resp: 562005
Ion Ratio Lower Upper
117 100
82 57.7 44.6 66.8
119 33.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022888.D
Acq: 30 Jun 2025 18:22

Tgt Ion:152 Resp: 240190
Ion Ratio Lower Upper
152 100
115 57.2 28.9 86.7
150 157.0 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 57.761 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022888.D

Acq: 30 Jun 2025 18:22

Instrument :

MSVOA_Y

ClientSampleId :

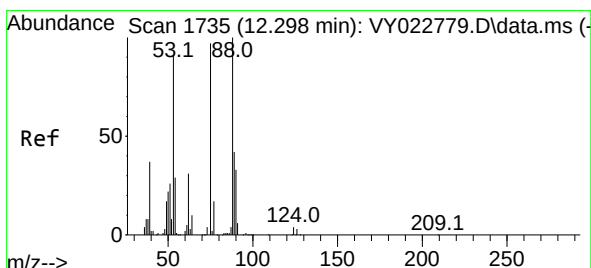
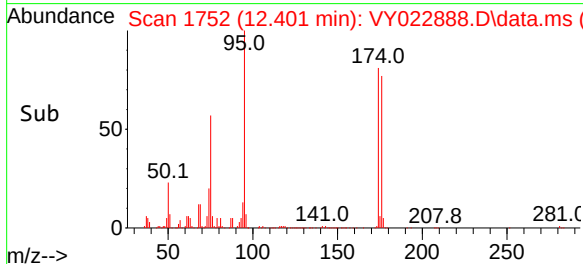
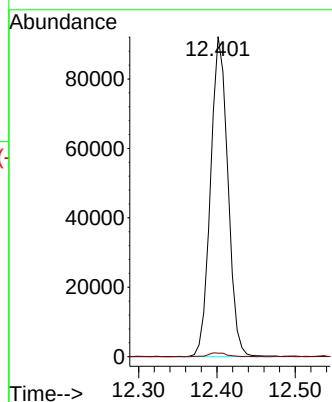
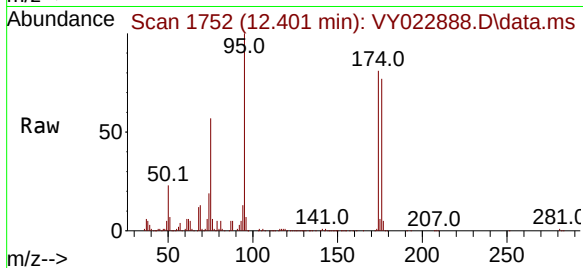
TP-55

Tgt Ion: 75 Resp: 141639

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 145.928 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022888.D

Acq: 30 Jun 2025 18:22

Tgt Ion: 75 Resp: 141639

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 35.7 53.5#

