

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022830.D
 Acq On : 25 Jun 2025 17:16
 Operator : SY/MD
 Sample : Q2420-01
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11933

Quant Time: Jun 26 01:28:52 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)

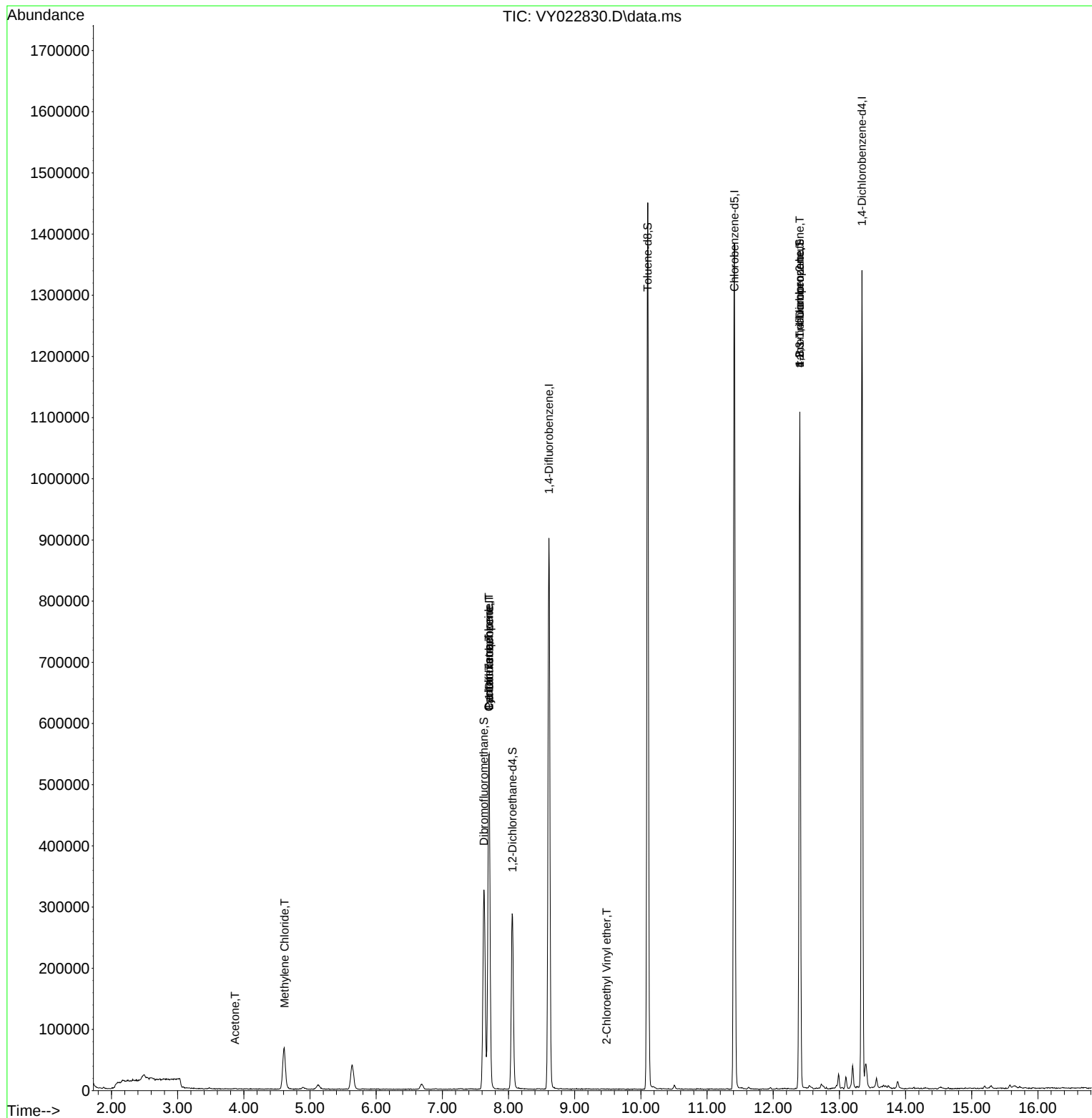
Internal Standards						
1) Pentafluorobenzene	7.707	168	421779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	771794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	716809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	318823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	225748	47.955	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.920%
35) Dibromofluoromethane	7.628	113	232159	49.462	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.920%
50) Toluene-d8	10.103	98	921691	49.486	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.980%
62) 4-Bromofluorobenzene	12.402	95	313862	52.420	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.840%
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	1023	1.150	ug/l #	45
20) Methylene Chloride	4.616	84	48784	8.682	ug/l	88
31) Cyclohexane	7.701	56	10242	1.267	ug/l #	13
36) 1,1-Dichloropropene	7.707	75	34350	4.828	ug/l #	51
38) Carbon Tetrachloride	7.701	117	41425	5.518	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.481	63	31	15.666	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	175654	53.966	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	175654	136.339	ug/l #	10

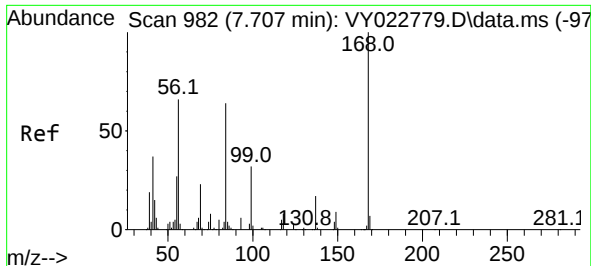
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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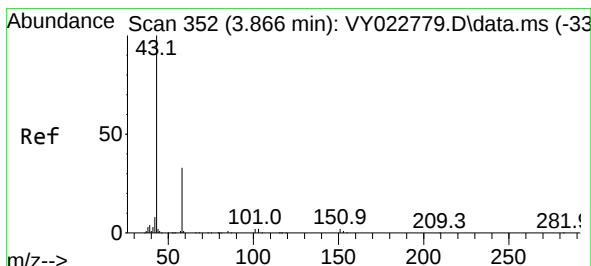
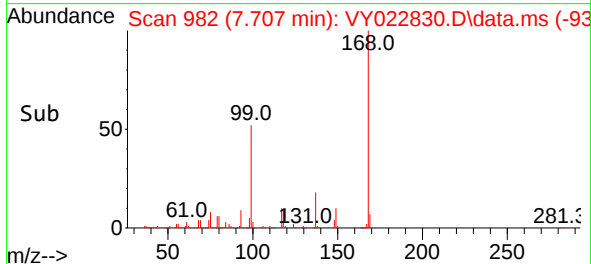
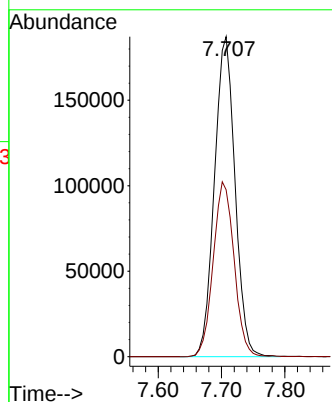
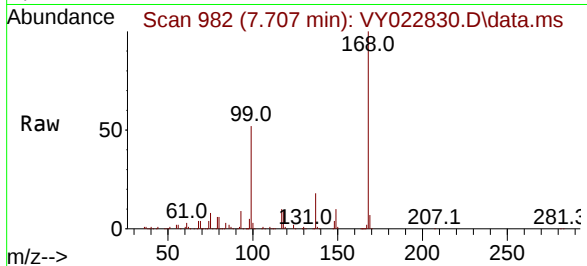




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022830.D
Acq: 25 Jun 2025 17:16

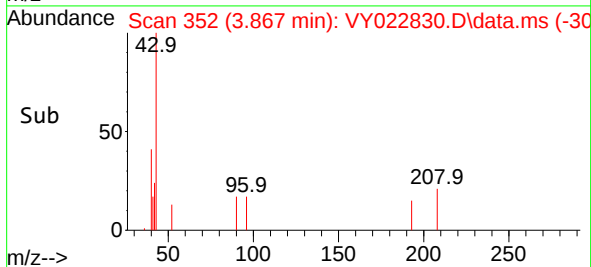
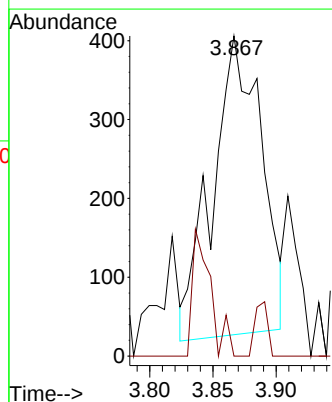
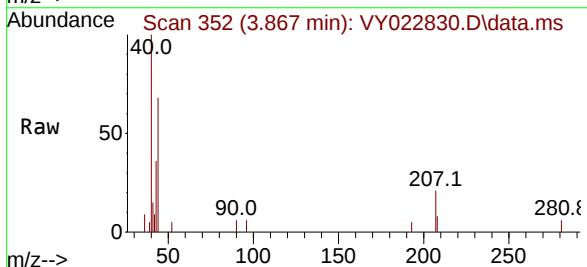
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

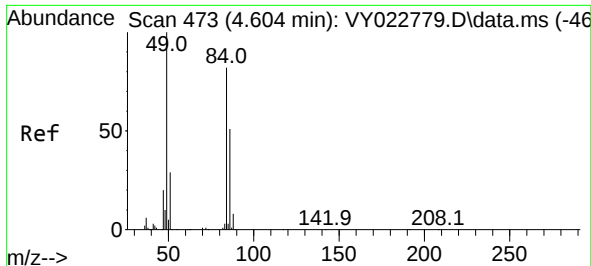
Tgt Ion:168 Resp: 421779
Ion Ratio Lower Upper
168 100
99 52.2 44.3 66.5



#16
Acetone
Concen: 1.150 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022830.D
Acq: 25 Jun 2025 17:16

Tgt Ion: 43 Resp: 1023
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



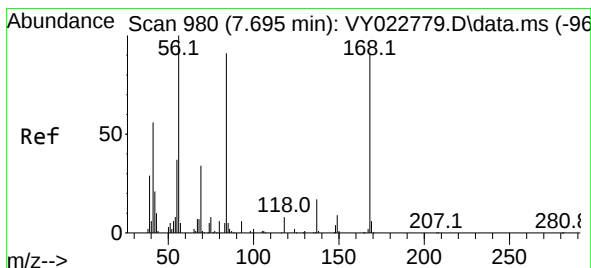
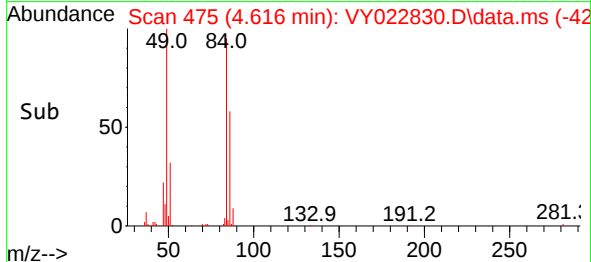
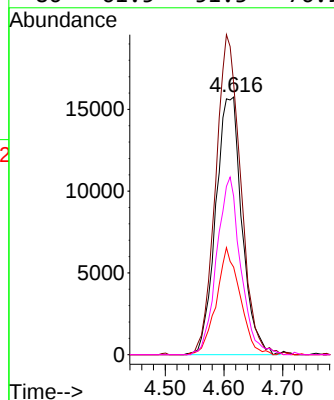
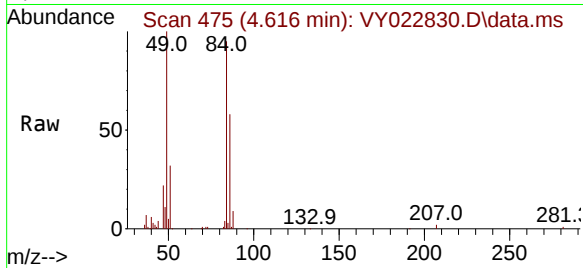


#20
Methylene Chloride
Concen: 8.682 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022830.D
Acq: 25 Jun 2025 17:16

Instrument :
MSVOA_Y
ClientSampleId :
72-11933

Tgt Ion: 84 Resp: 48784

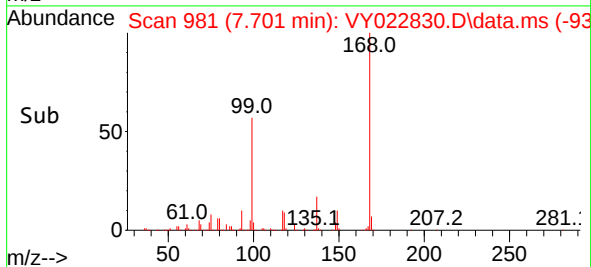
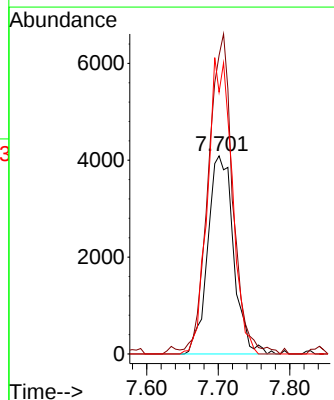
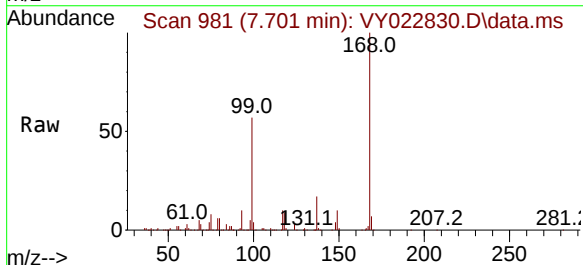
Ion	Ratio	Lower	Upper
84	100		
49	105.4	101.9	152.9
51	34.0	29.8	44.8
86	61.5	51.3	76.9

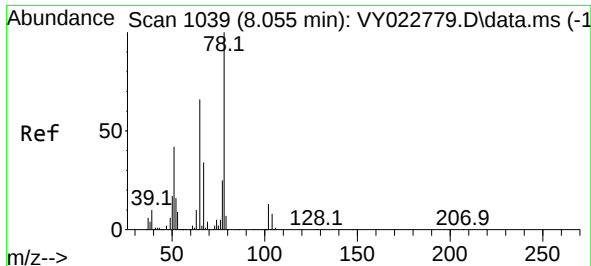


#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022830.D
Acq: 25 Jun 2025 17:16

Tgt Ion: 56 Resp: 10242

Ion	Ratio	Lower	Upper
56	100		
69	150.7	27.0	40.6#
84	132.1	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 47.955 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022830.D

Acq: 25 Jun 2025 17:16

Instrument :

MSVOA_Y

ClientSampleId :

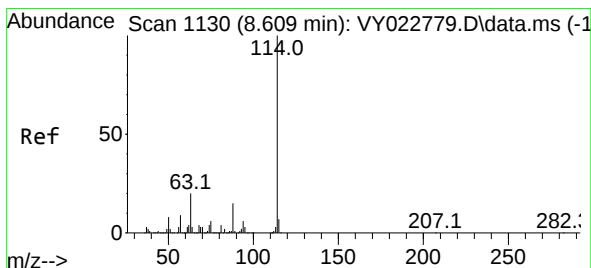
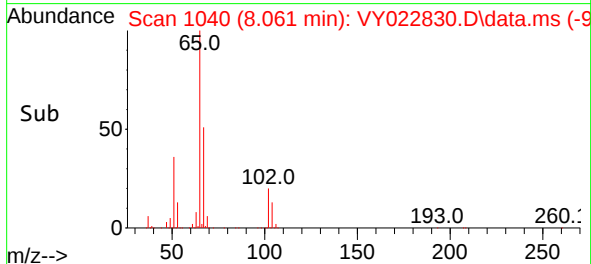
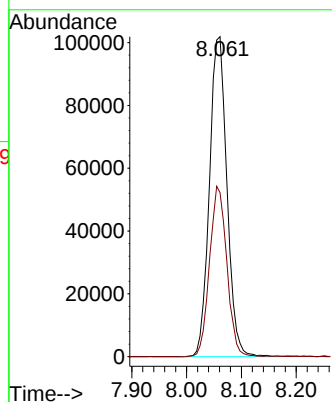
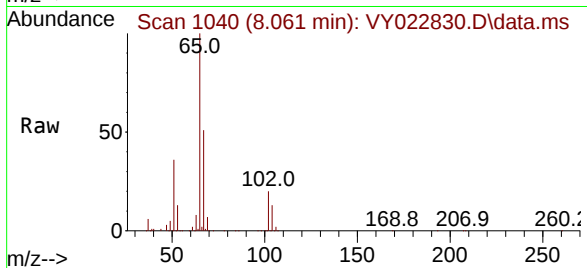
72-11933

Tgt Ion: 65 Resp: 225748

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022830.D

Acq: 25 Jun 2025 17:16

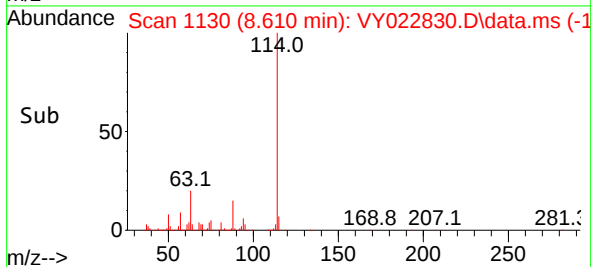
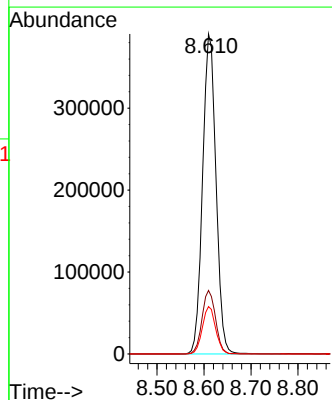
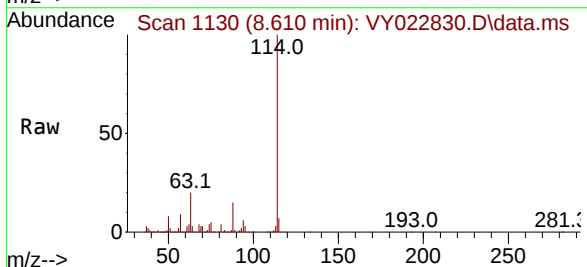
Tgt Ion: 114 Resp: 771794

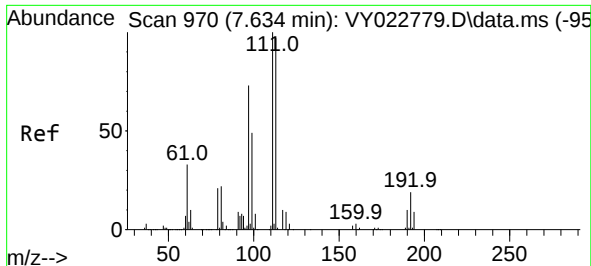
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 14.8 0.0 27.8

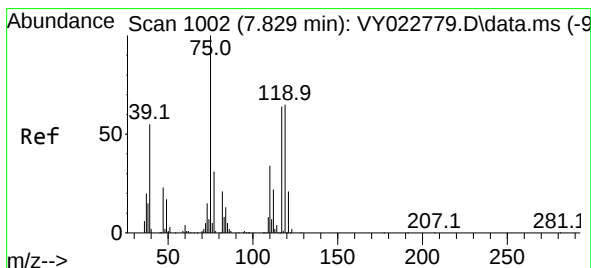
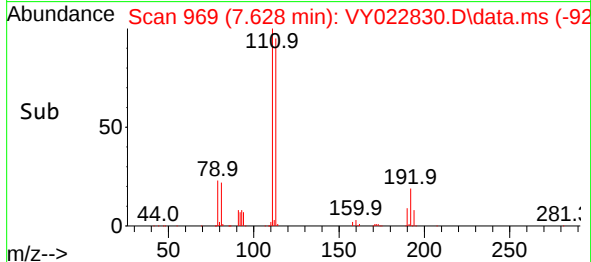
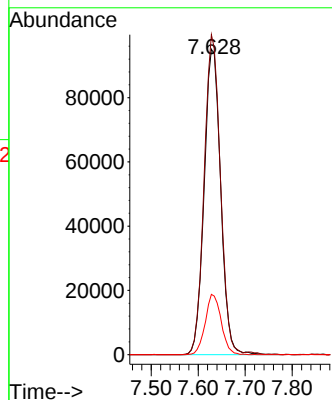
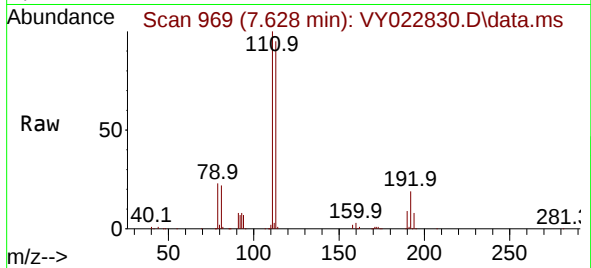




#35
Dibromofluoromethane
Concen: 49.462 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022830.D
Acq: 25 Jun 2025 17:16

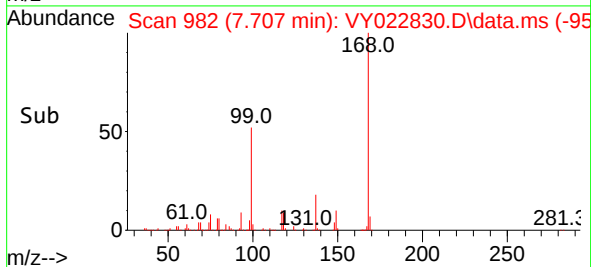
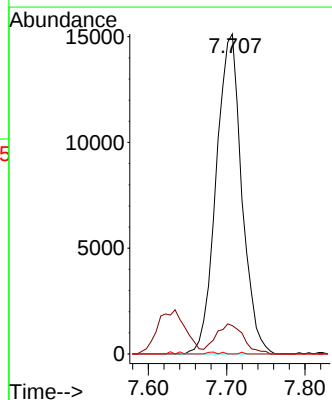
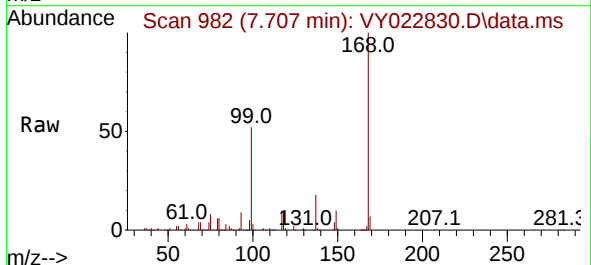
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

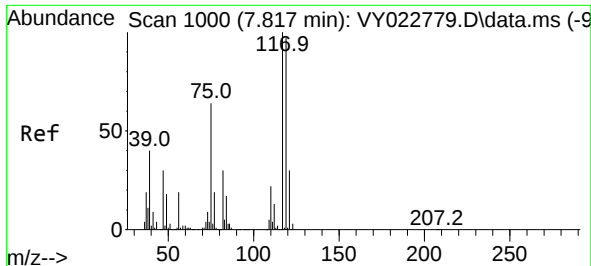
Tgt Ion:113 Resp: 232159
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 19.1 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.828 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022830.D
Acq: 25 Jun 2025 17:16

Tgt Ion: 75 Resp: 34350
Ion Ratio Lower Upper
75 100
110 10.1 16.9 50.7#
77 0.1 24.8 37.2#

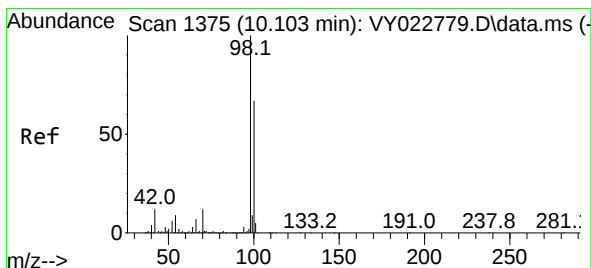
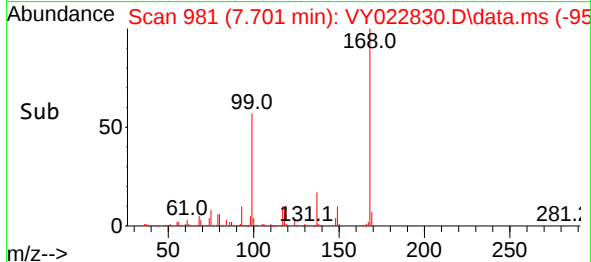
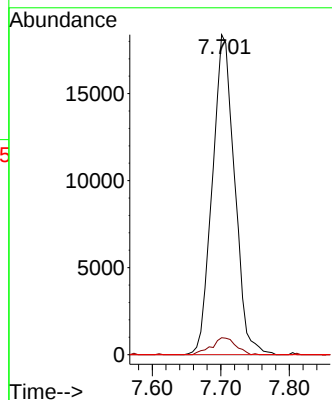
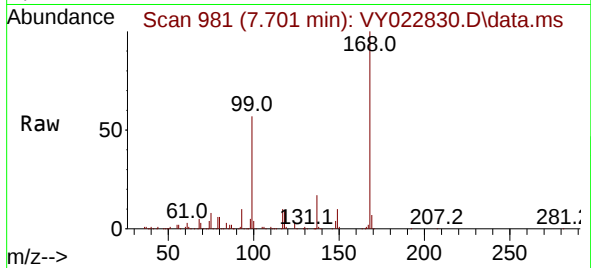




#38
Carbon Tetrachloride
Concen: 5.518 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022830.D
Acq: 25 Jun 2025 17:16

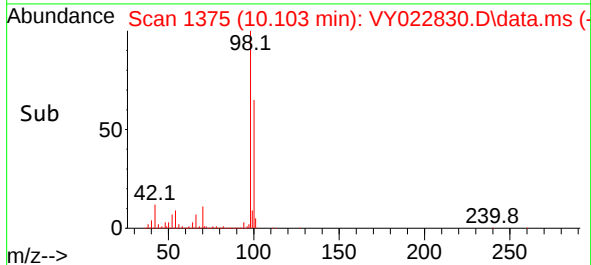
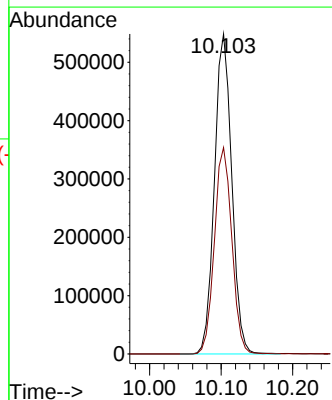
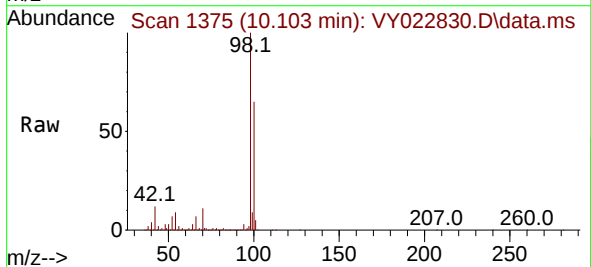
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

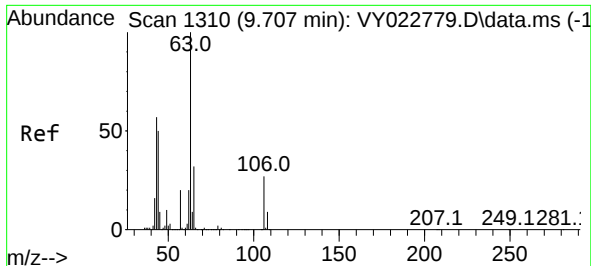
Tgt Ion:117 Resp: 41425
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.486 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022830.D
Acq: 25 Jun 2025 17:16

Tgt Ion: 98 Resp: 921691
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0

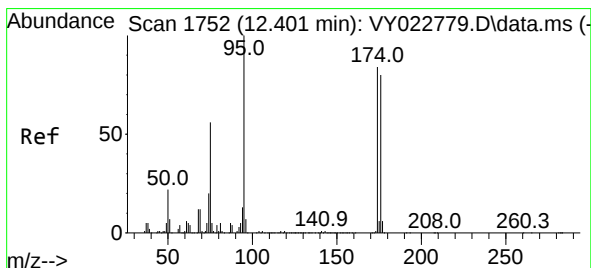
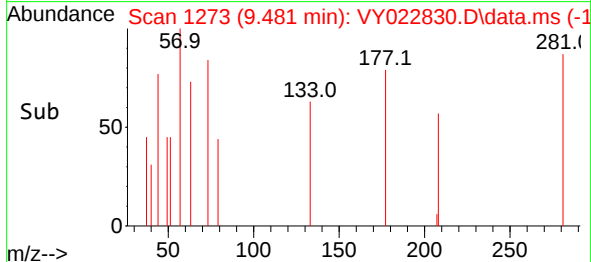
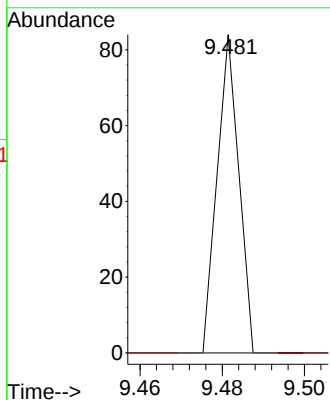
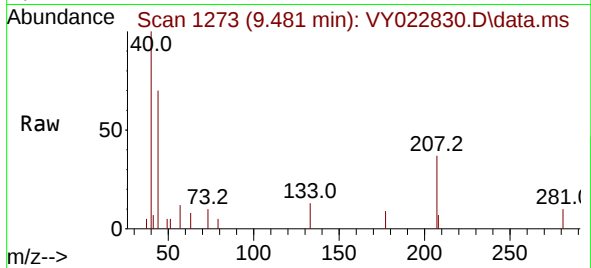




#58
 2-Chloroethyl Vinyl ether
 Concen: 15.666 ug/l
 RT: 9.481 min Scan# 11
 Delta R.T. -0.232 min
 Lab File: VY022830.D
 Acq: 25 Jun 2025 17:16

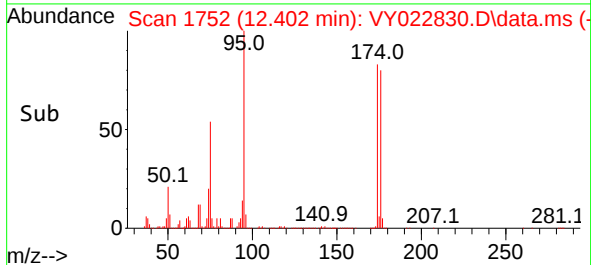
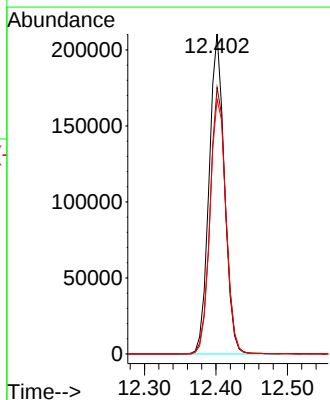
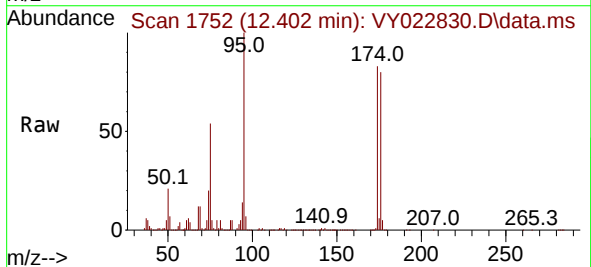
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 ClientSampleId :
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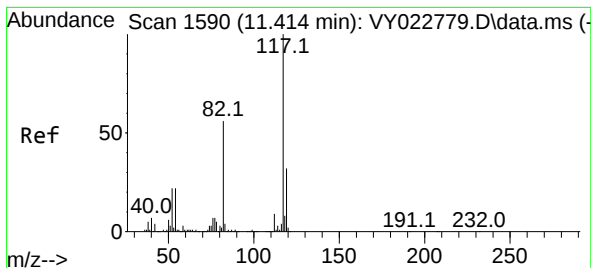
Tgt Ion: 63 Resp: 31
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.6 32.4#



#62
 4-Bromofluorobenzene
 Concen: 52.420 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: VY022830.D
 Acq: 25 Jun 2025 17:16

Tgt Ion: 95 Resp: 313862
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 170.0
 176 82.8 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: VY022830.D

Acq: 25 Jun 2025 17:16

Instrument :

MSVOA_Y

ClientSampleId :

72-11933

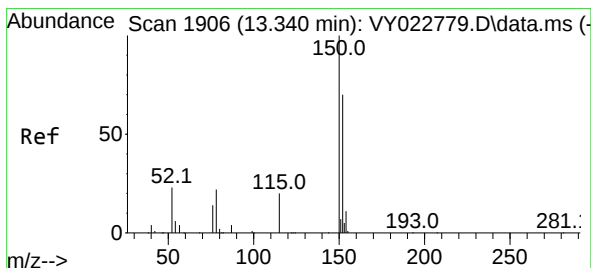
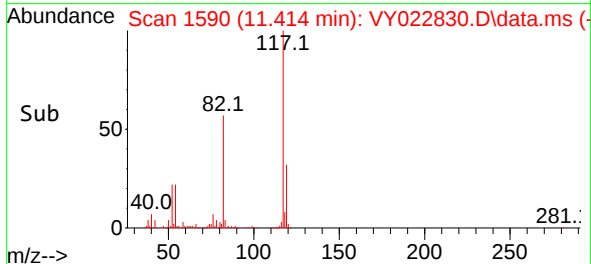
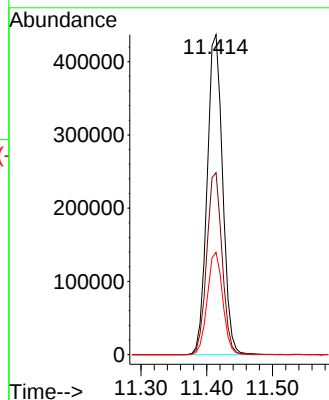
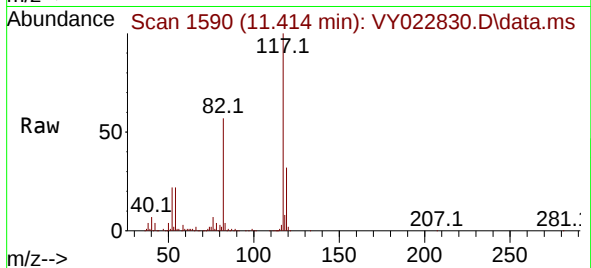
Tgt Ion:117 Resp: 716809

Ion Ratio Lower Upper

117 100

82 56.9 44.6 66.8

119 32.0 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: VY022830.D

Acq: 25 Jun 2025 17:16

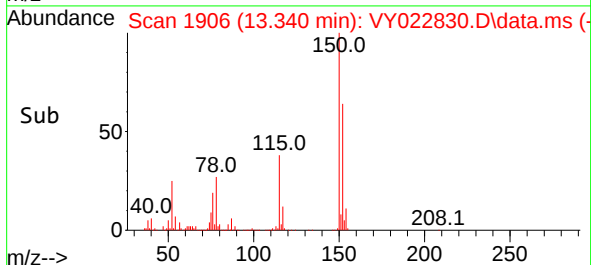
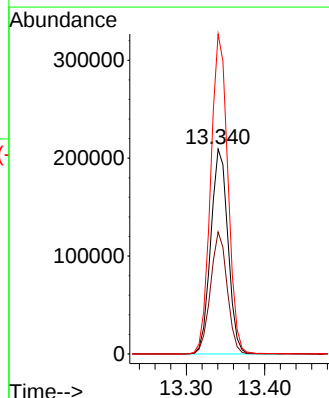
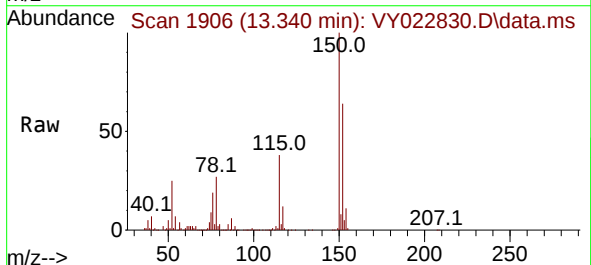
Tgt Ion:152 Resp: 318823

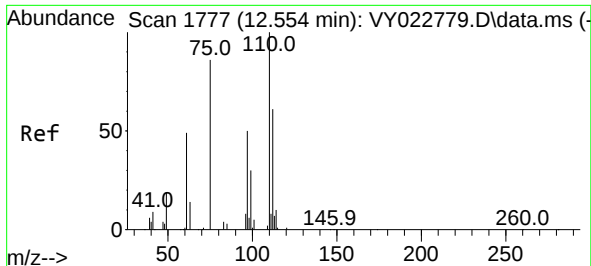
Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 156.2 0.0 349.6

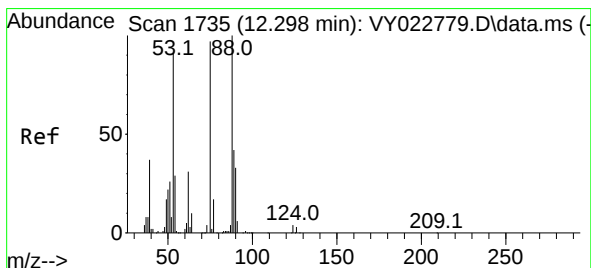
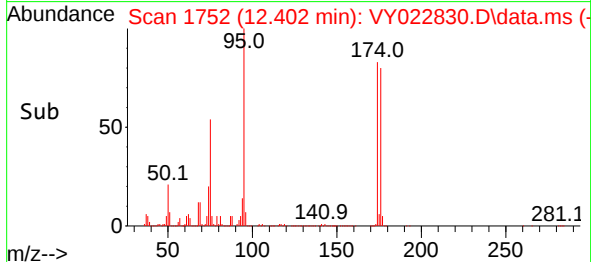
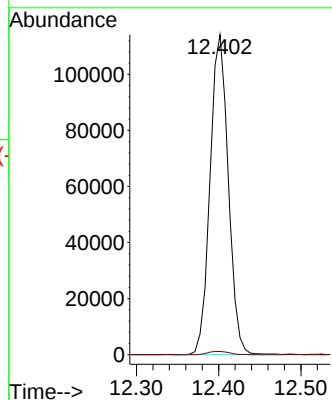
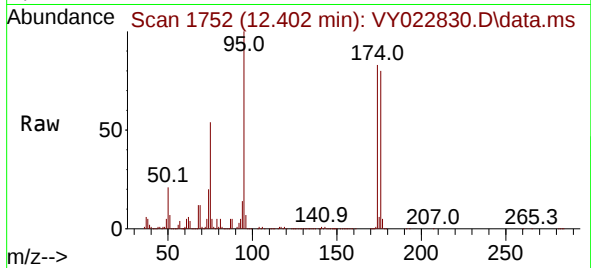




#76
1,2,3-Trichloropropane
Concen: 53.966 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022830.D
Acq: 25 Jun 2025 17:16

Instrument :
MSVOA_Y
ClientSampleId :
72-11933

Tgt Ion: 75 Resp: 175654
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.339 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022830.D
Acq: 25 Jun 2025 17:16

Tgt Ion: 75 Resp: 175654
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.1 35.7 53.5#

