

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022865.D
 Acq On : 27 Jun 2025 16:30
 Operator : SY/MD
 Sample : Q2436-10
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-82

Quant Time: Jun 27 23:20:18 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)

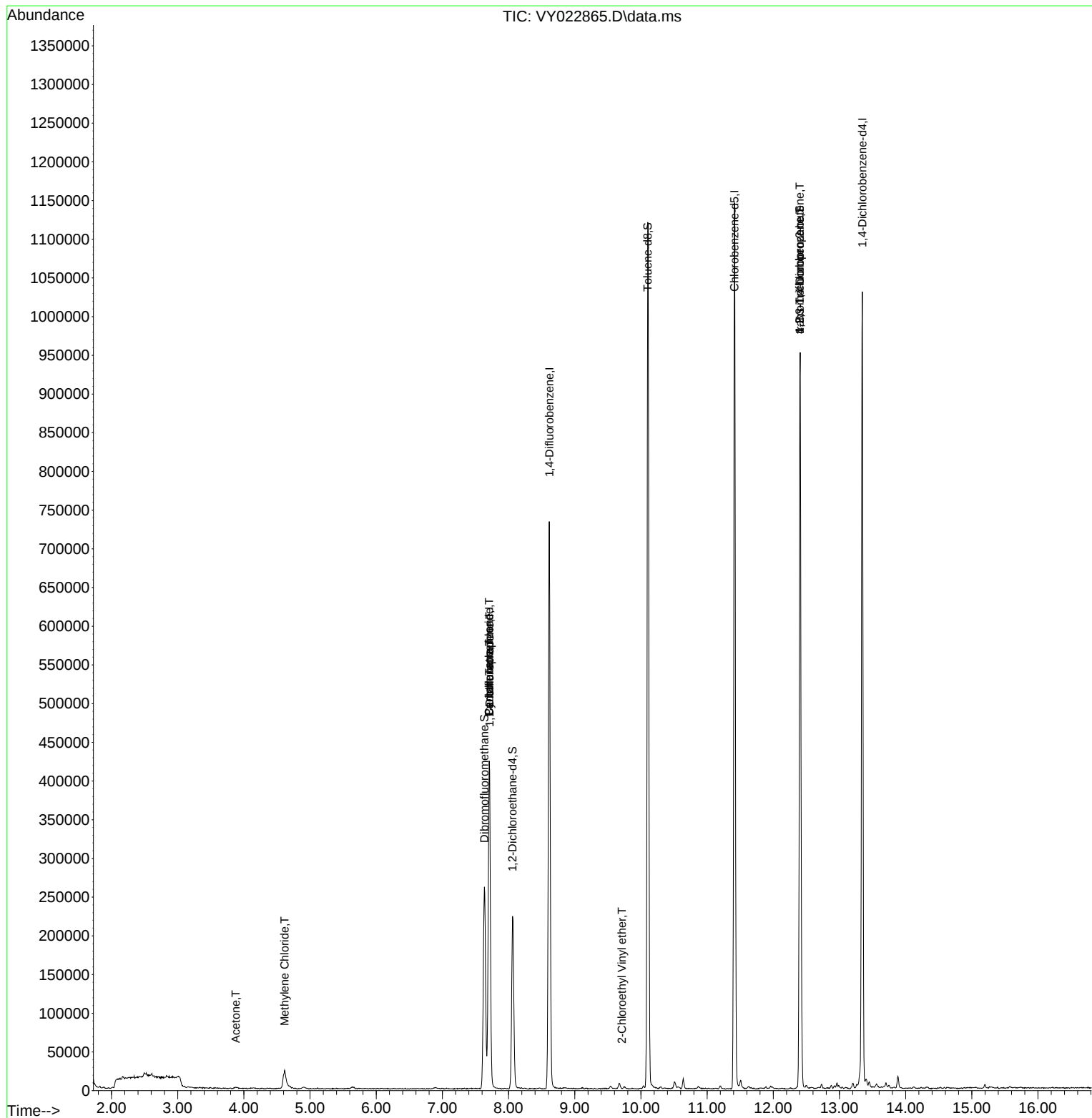
Internal Standards						
1) Pentafluorobenzene	7.707	168	318610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	604014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	582898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	250591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174126	48.967	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.940%		
35) Dibromofluoromethane	7.634	113	185645	50.539	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.080%		
50) Toluene-d8	10.103	98	736505	50.528	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.060%		
62) 4-Bromofluorobenzene	12.401	95	256053	54.644	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	109.280%		
Target Compounds						Qvalue
16) Acetone	3.878	43	2851	4.242	ug/l #	70
20) Methylene Chloride	4.616	84	16196	3.816	ug/l	93
31) Cyclohexane	7.707	56	7950	1.302	ug/l #	25
36) 1,1-Dichloropropene	7.713	75	26821	4.817	ug/l #	51
38) Carbon Tetrachloride	7.707	117	33541	5.709	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.713	63	45	15.675	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	146081	57.100	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	146081	144.258	ug/l #	11

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

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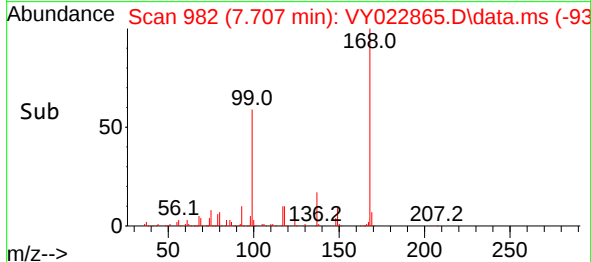
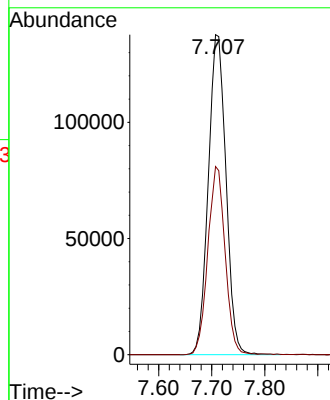
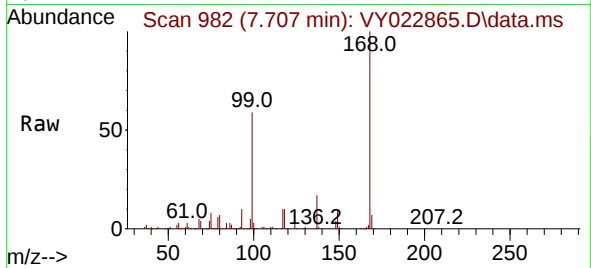




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

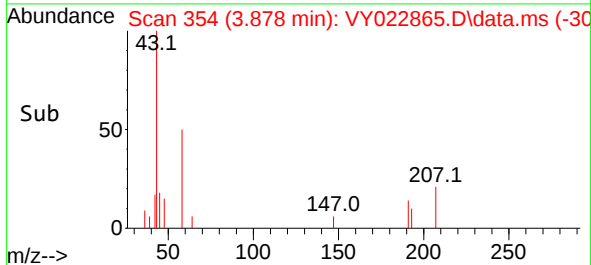
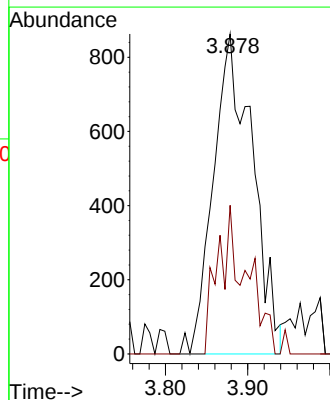
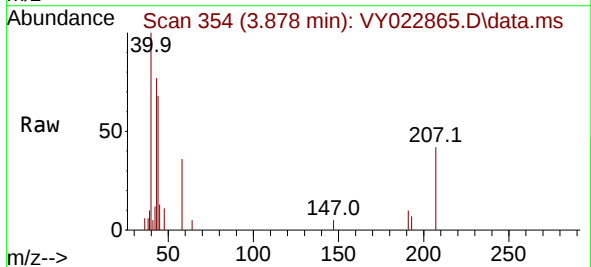
Instrument :
MSVOA_Y
ClientSampleId :
TP-82

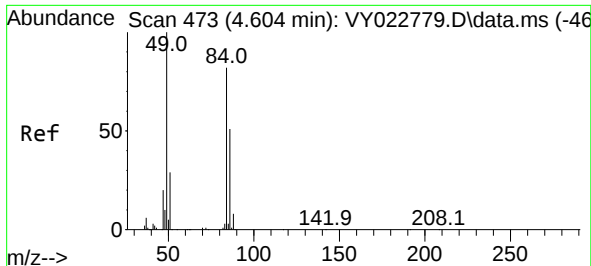
Tgt Ion:168 Resp: 318610
Ion Ratio Lower Upper
168 100
99 58.8 44.3 66.5



#16
Acetone
Concen: 4.242 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

Tgt Ion: 43 Resp: 2851
Ion Ratio Lower Upper
43 100
58 46.5 24.0 36.0#



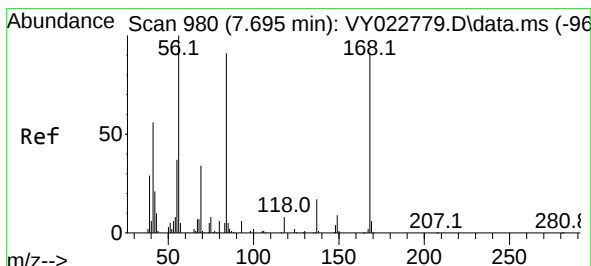
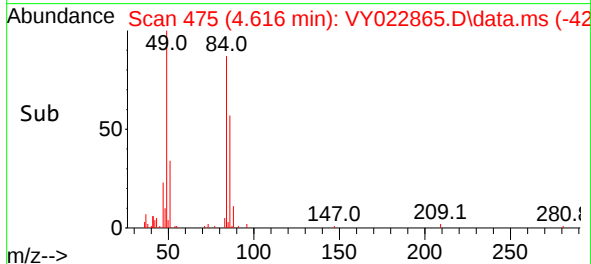
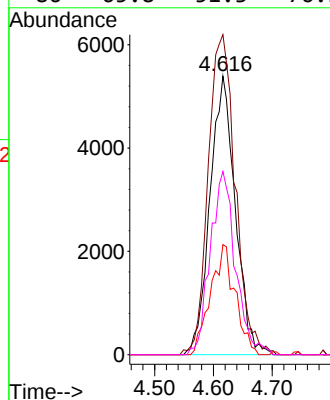
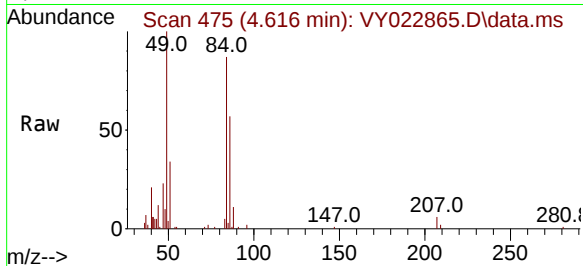


#20
Methylene Chloride
Concen: 3.816 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

Instrument :
MSVOA_Y
ClientSampleId :
TP-82

Tgt Ion: 84 Resp: 16196

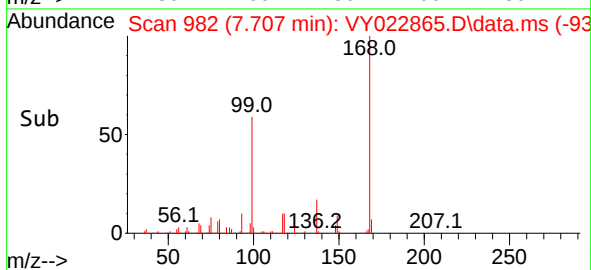
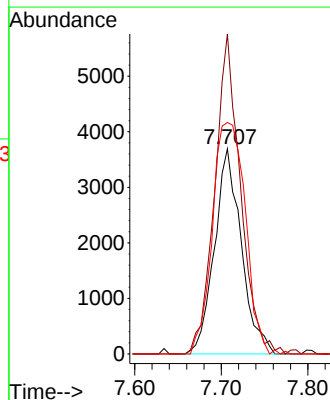
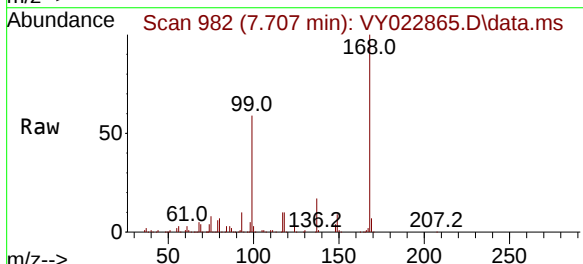
Ion	Ratio	Lower	Upper
84	100		
49	114.8	101.9	152.9
51	39.5	29.8	44.8
86	65.8	51.3	76.9

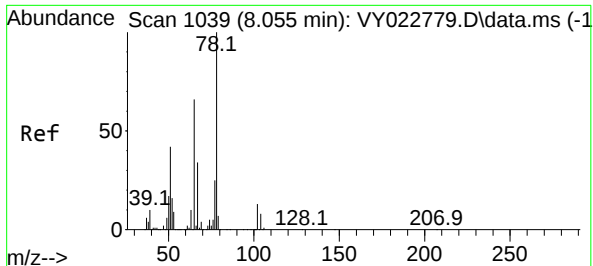


#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

Tgt Ion: 56 Resp: 7950

Ion	Ratio	Lower	Upper
56	100		
69	156.0	27.0	40.6#
84	112.8	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 48.967 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022865.D

Acq: 27 Jun 2025 16:30

Instrument :

MSVOA_Y

ClientSampleId :

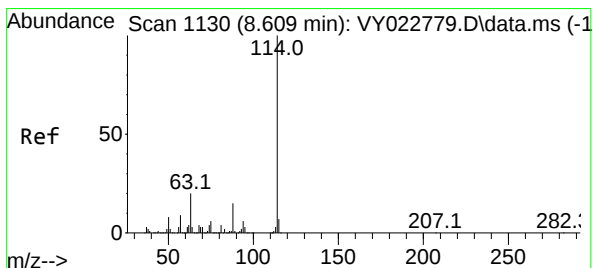
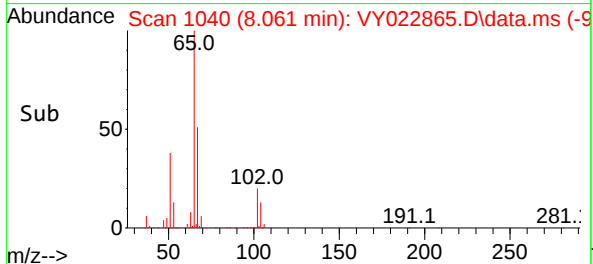
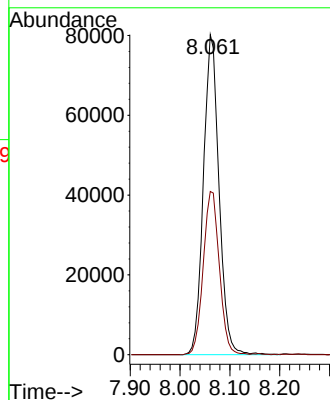
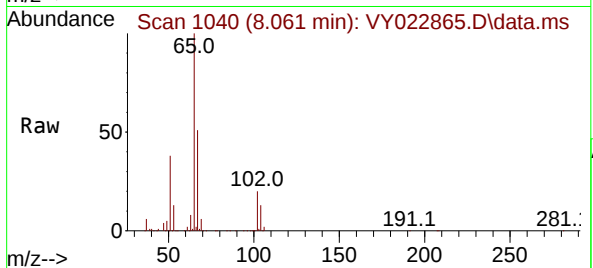
TP-82

Tgt Ion: 65 Resp: 174126

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022865.D

Acq: 27 Jun 2025 16:30

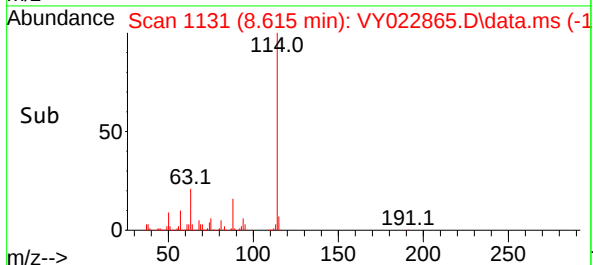
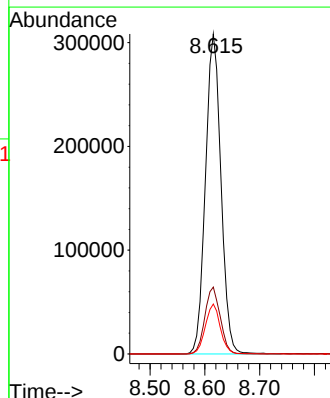
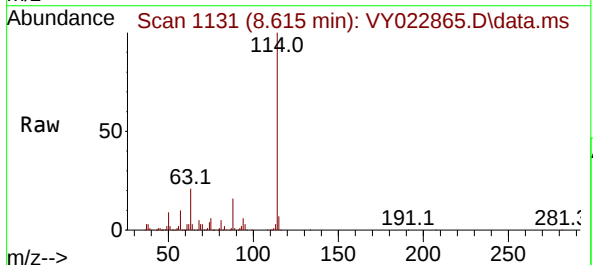
Tgt Ion: 114 Resp: 604014

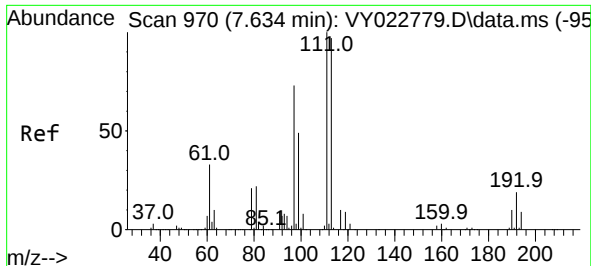
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 15.6 0.0 27.8

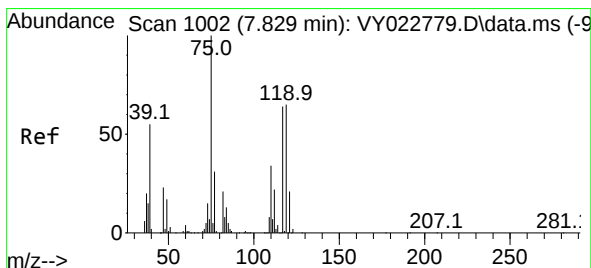
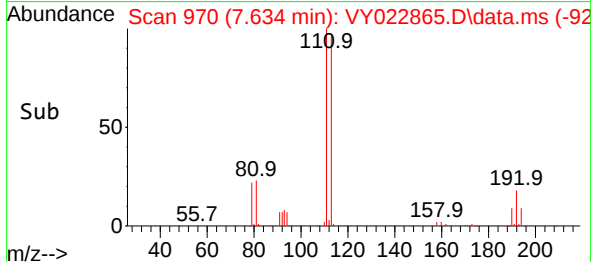
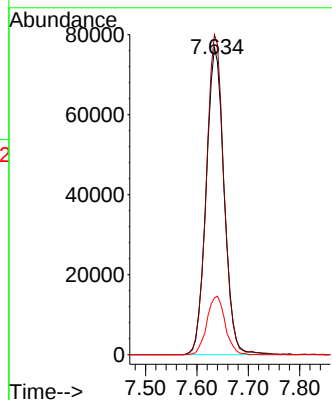
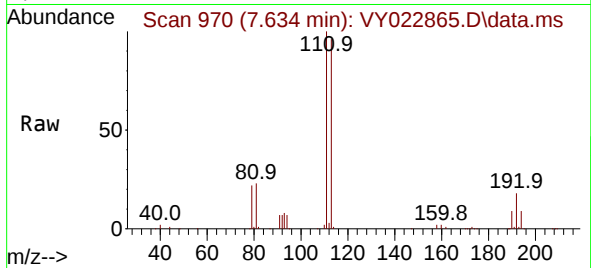




#35
Dibromofluoromethane
Concen: 50.539 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

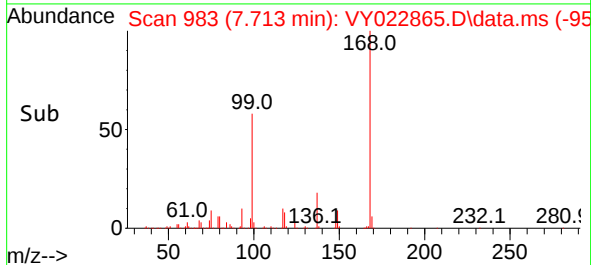
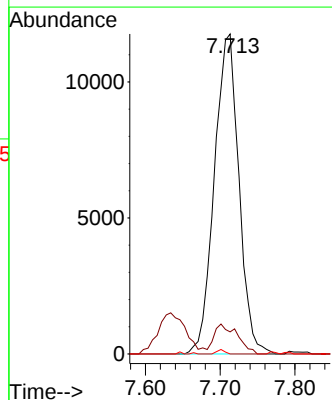
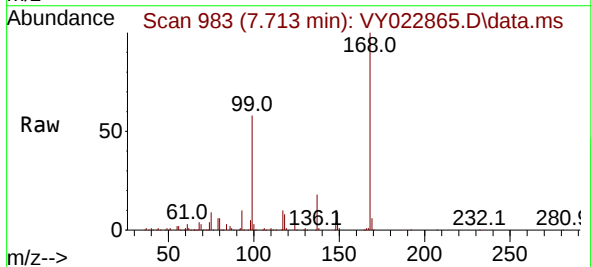
Instrument :
MSVOA_Y
ClientSampleId :
TP-82

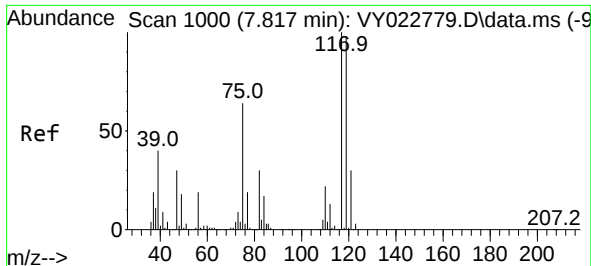
Tgt Ion:113 Resp: 185645
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 19.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.817 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

Tgt Ion: 75 Resp: 26821
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.7#
77 0.4 24.8 37.2#

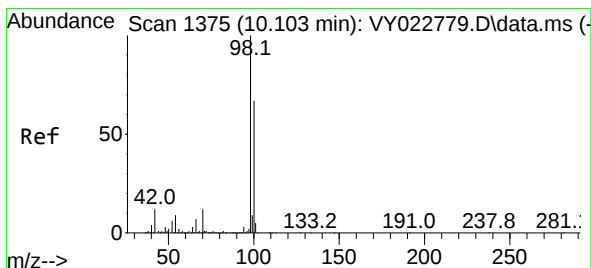
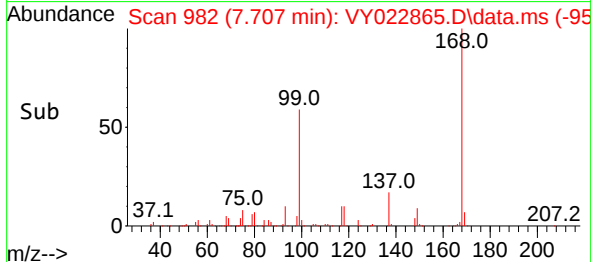
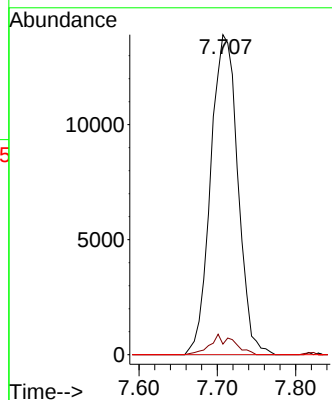
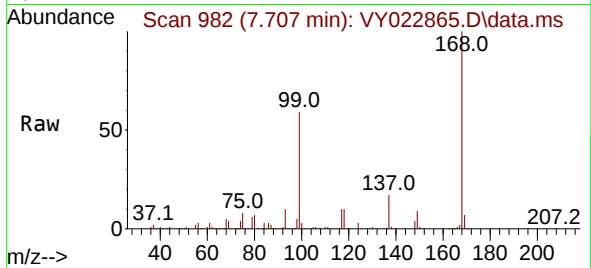




#38
Carbon Tetrachloride
Concen: 5.709 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

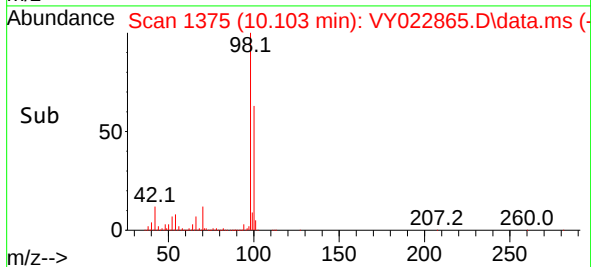
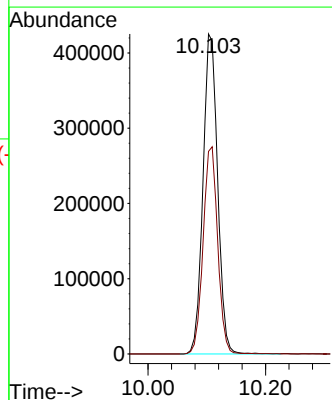
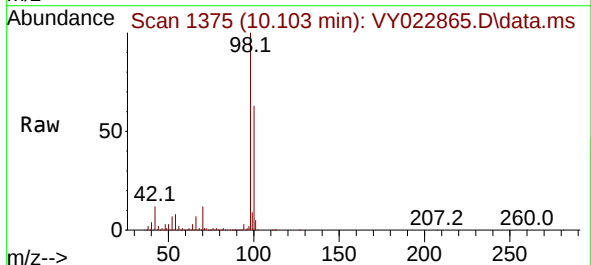
Instrument :
MSVOA_Y
ClientSampleId :
TP-82

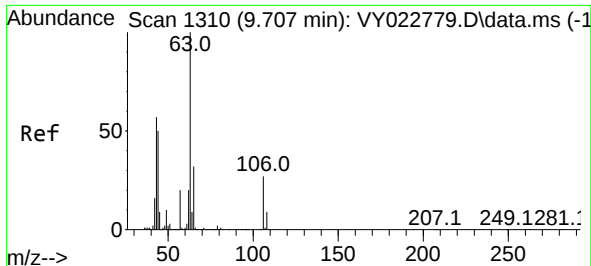
Tgt Ion:117 Resp: 33541
Ion Ratio Lower Upper
117 100
119 3.3 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.528 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

Tgt Ion: 98 Resp: 736505
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0

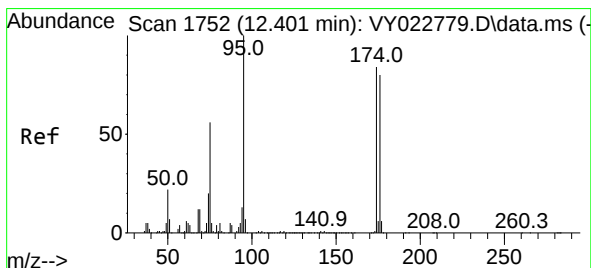
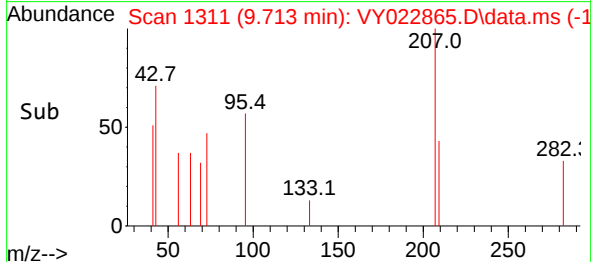
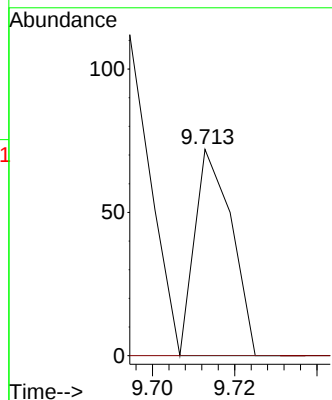
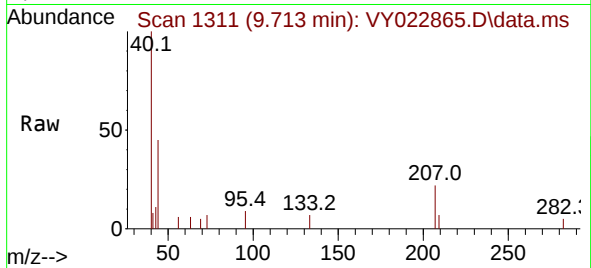




#58
2-Chloroethyl Vinyl ether
Concen: 15.675 ug/l
RT: 9.713 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

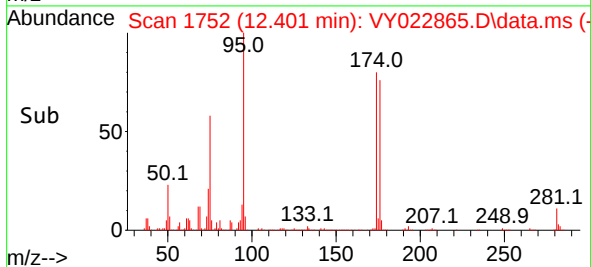
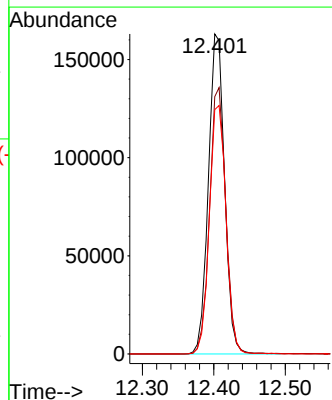
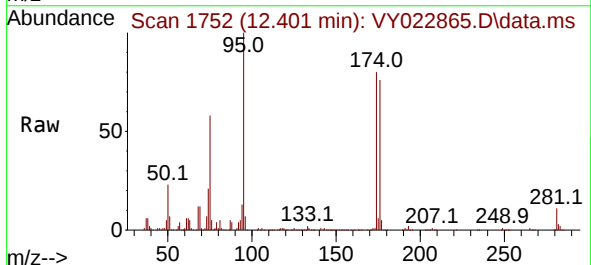
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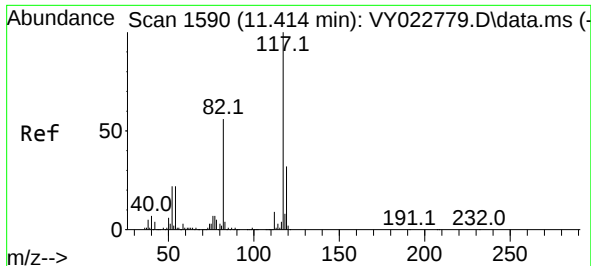
Tgt Ion: 63 Resp: 45
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 54.644 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

Tgt Ion: 95 Resp: 256053
Ion Ratio Lower Upper
95 100
174 83.5 0.0 170.0
176 80.1 0.0 166.2

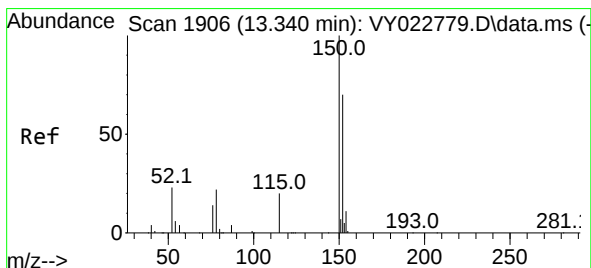
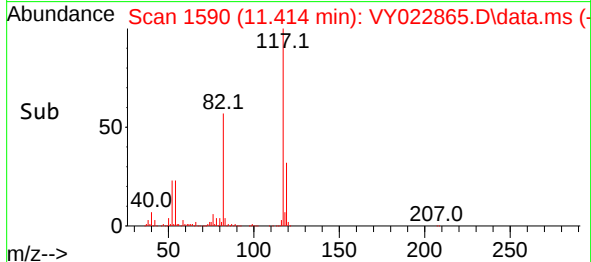
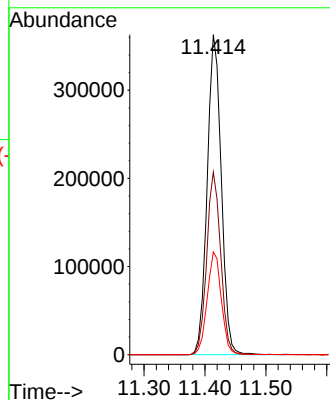
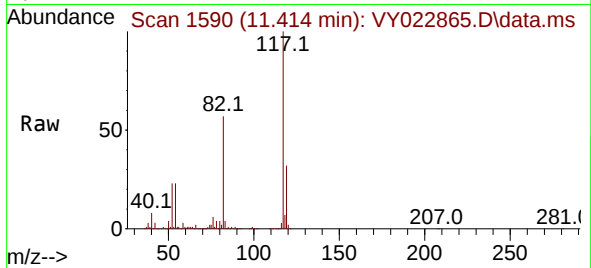




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

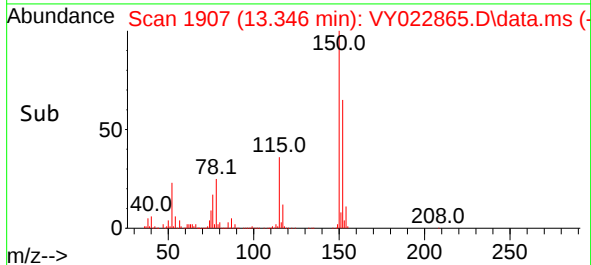
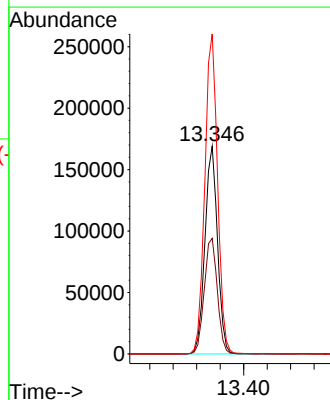
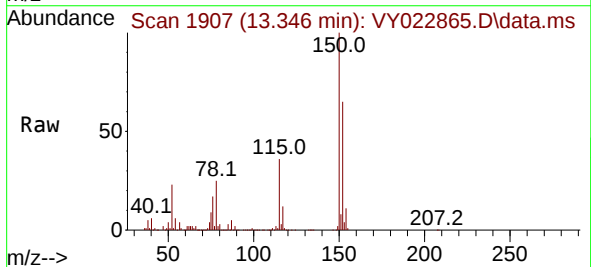
Instrument :
MSVOA_Y
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TP-82

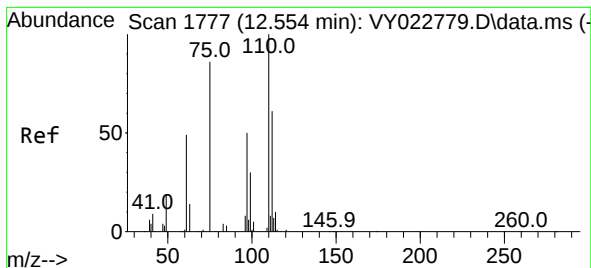
Tgt Ion:117 Resp: 582898
Ion Ratio Lower Upper
117 100
82 57.1 44.6 66.8
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022865.D
Acq: 27 Jun 2025 16:30

Tgt Ion:152 Resp: 250591
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.7
150 156.2 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 57.100 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022865.D

Acq: 27 Jun 2025 16:30

Instrument :

MSVOA_Y

ClientSampleId :

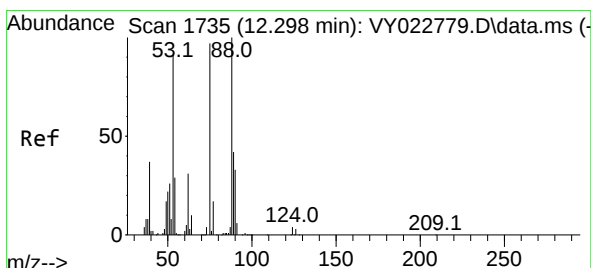
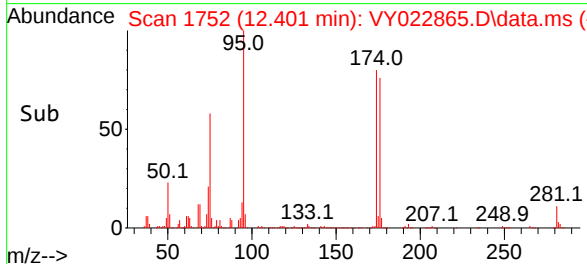
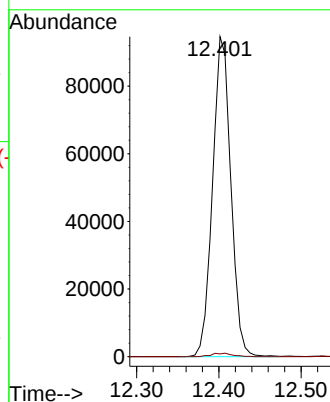
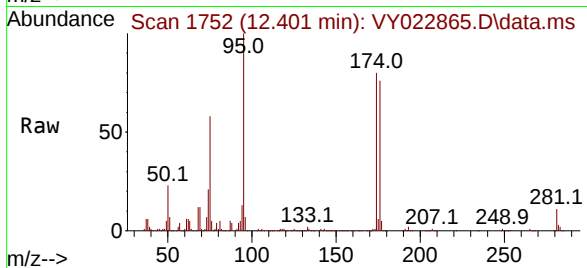
TP-82

Tgt Ion: 75 Resp: 146081

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 144.258 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022865.D

Acq: 27 Jun 2025 16:30

Tgt Ion: 75 Resp: 146081

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.5 35.7 53.5#

