

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022832.D
 Acq On : 25 Jun 2025 18:02
 Operator : SY/MD
 Sample : Q2425-02
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: Jun 26 01:29:31 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)

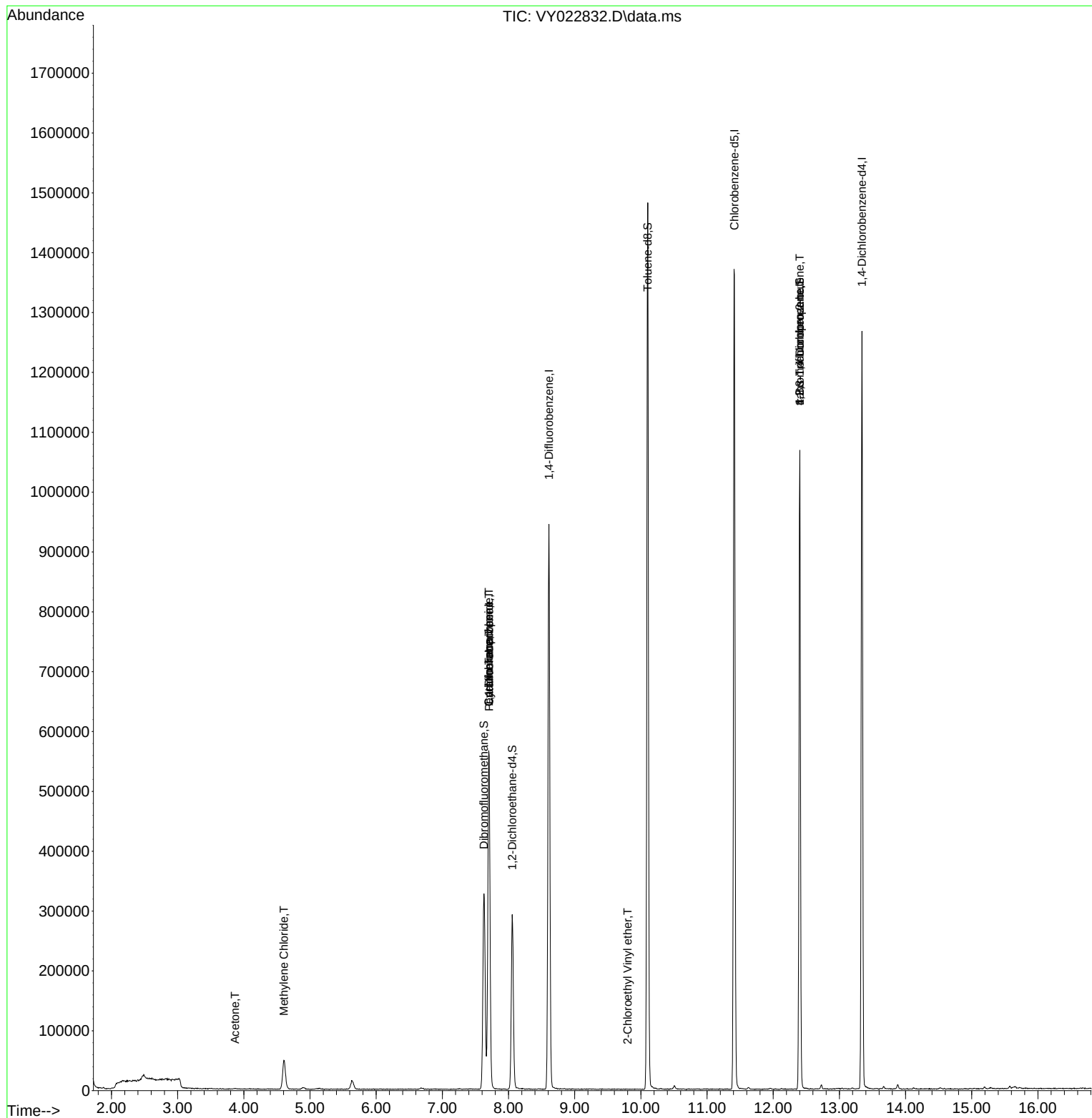
Internal Standards						
1) Pentafluorobenzene	7.707	168	436434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	782882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	712732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	306171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	225133	46.219	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.440%
35) Dibromofluoromethane	7.628	113	235052	49.369	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.740%
50) Toluene-d8	10.103	98	937499	49.622	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.240%
62) 4-Bromofluorobenzene	12.402	95	304838	50.192	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.380%
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	1299	1.411	ug/l #	82
20) Methylene Chloride	4.604	84	36218	6.229	ug/l	92
31) Cyclohexane	7.701	56	10582	1.265	ug/l #	13
36) 1,1-Dichloropropene	7.701	75	36062	4.997	ug/l #	52
38) Carbon Tetrachloride	7.701	117	44388	5.829	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.798	63	38	15.668	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	169464	54.216	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	169464	136.970	ug/l #	10

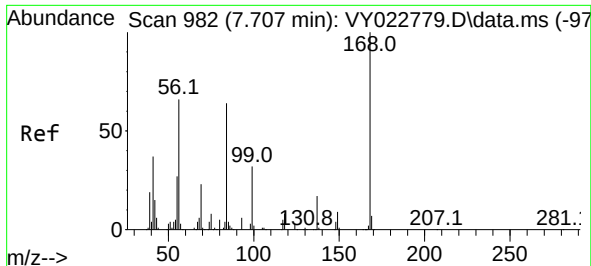
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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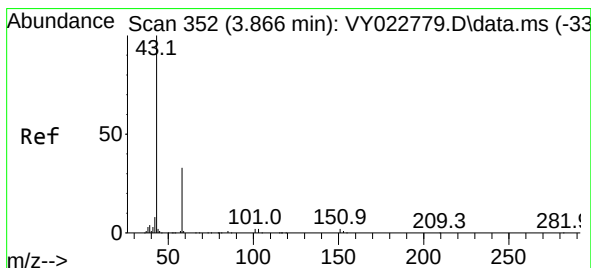
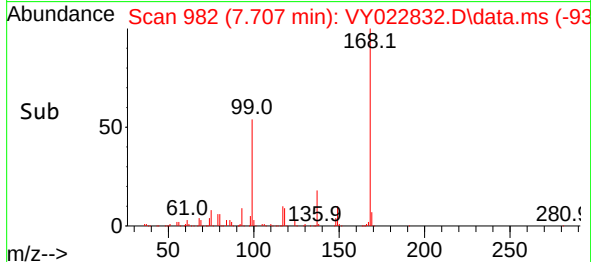
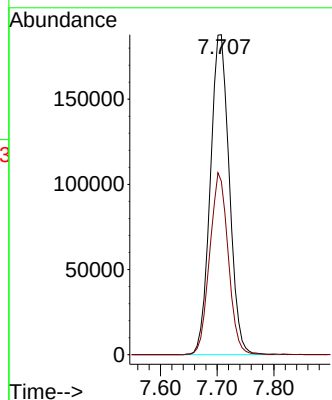
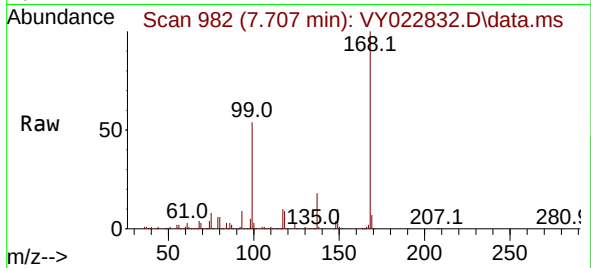




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022832.D
Acq: 25 Jun 2025 18:02

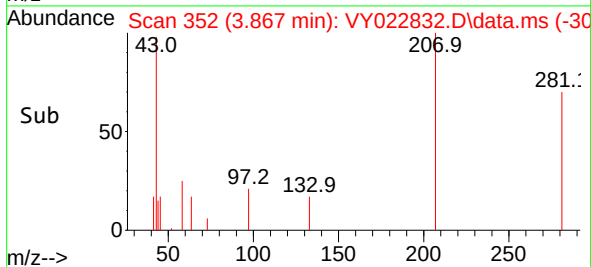
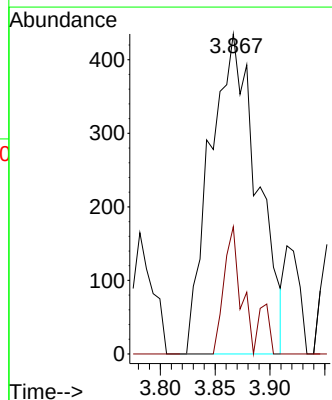
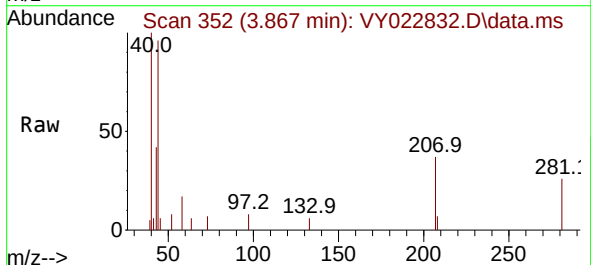
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

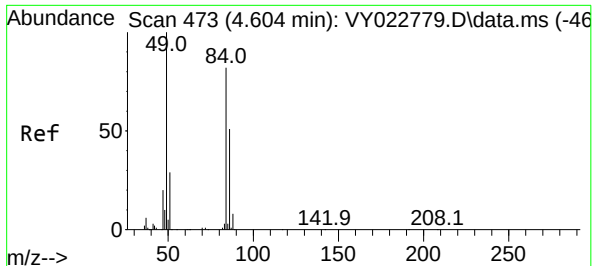
Tgt Ion:168 Resp: 436434
Ion Ratio Lower Upper
168 100
99 54.2 44.3 66.5



#16
Acetone
Concen: 1.411 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022832.D
Acq: 25 Jun 2025 18:02

Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
58 39.8 24.0 36.0#

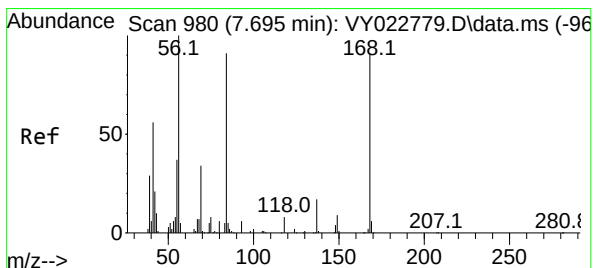
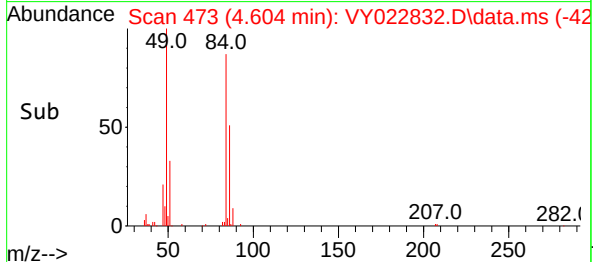
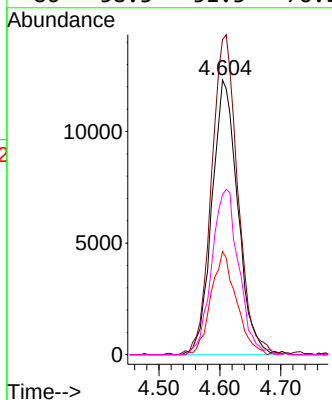
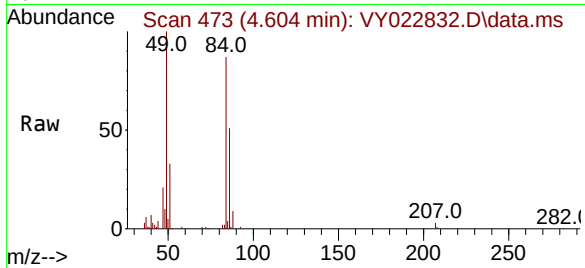




#20
Methylene Chloride
Concen: 6.229 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022832.D
Acq: 25 Jun 2025 18:02

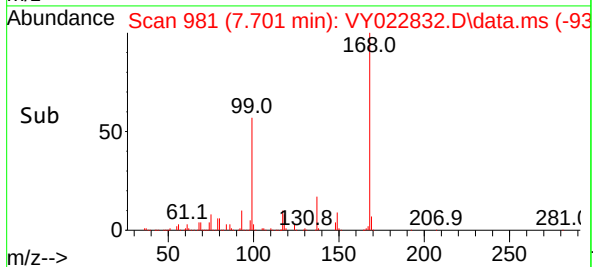
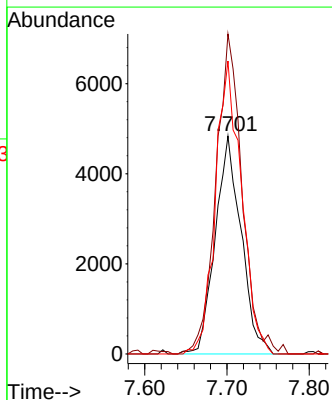
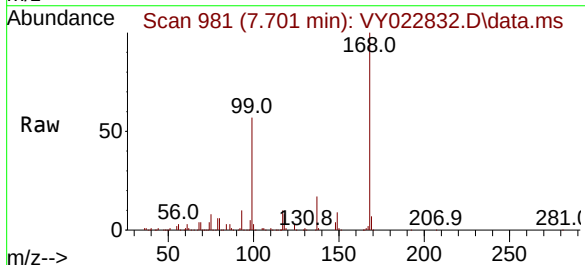
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

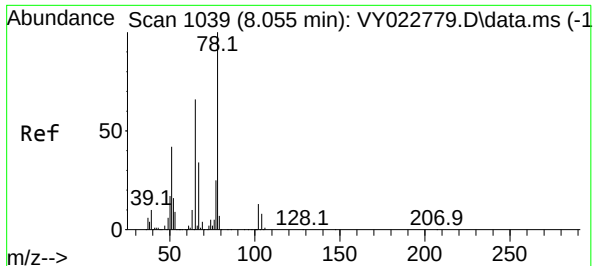
Tgt Ion:	84	Resp:	36218
Ion	Ratio	Lower	Upper
84	100		
49	114.6	101.9	152.9
51	37.5	29.8	44.8
86	58.3	51.3	76.9



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022832.D
Acq: 25 Jun 2025 18:02

Tgt Ion:	56	Resp:	10582
Ion	Ratio	Lower	Upper
56	100		
69	146.8	27.0	40.6#
84	134.4	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 46.219 ug/l

RT: 8.055 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022832.D

Acq: 25 Jun 2025 18:02

Instrument :

MSVOA_Y

ClientSampleId :

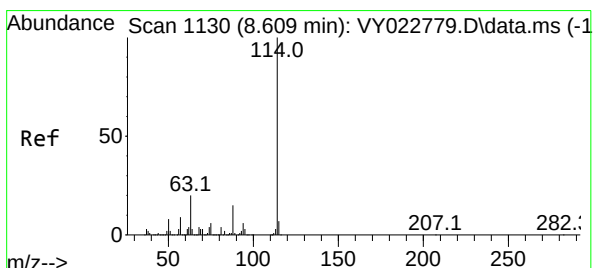
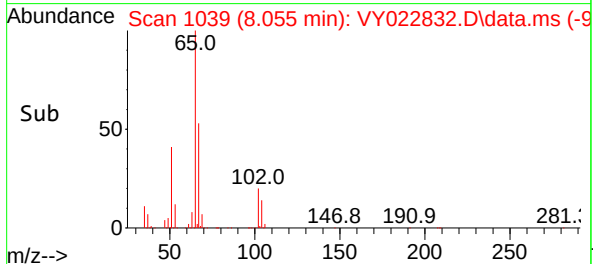
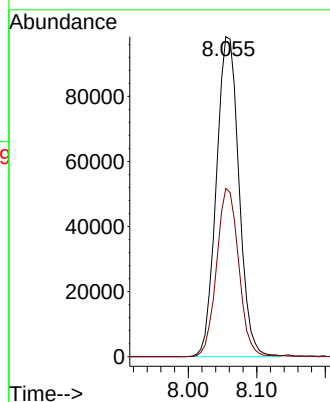
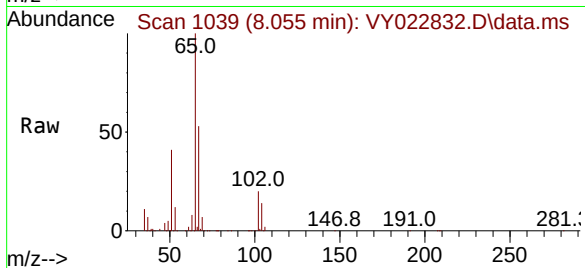
COMP-2

Tgt Ion: 65 Resp: 225133

Ion Ratio Lower Upper

65 100

67 51.6 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: VY022832.D

Acq: 25 Jun 2025 18:02

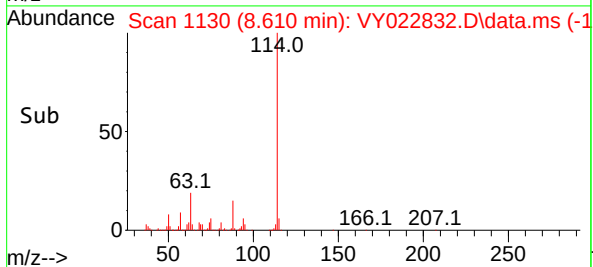
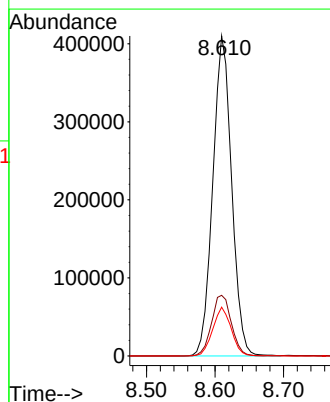
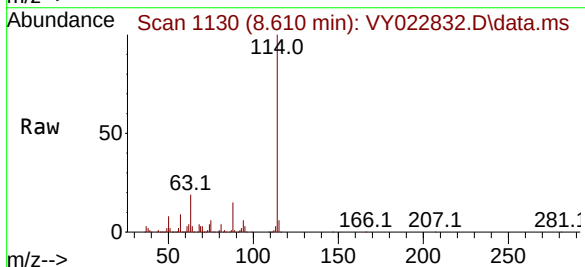
Tgt Ion:114 Resp: 782882

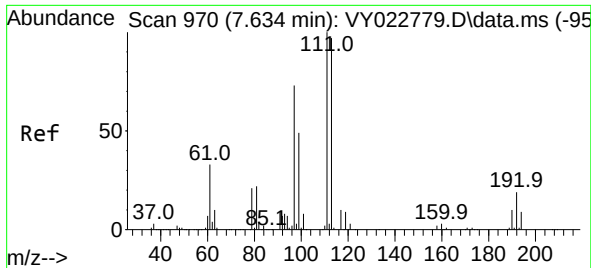
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.8

88 15.2 0.0 27.8

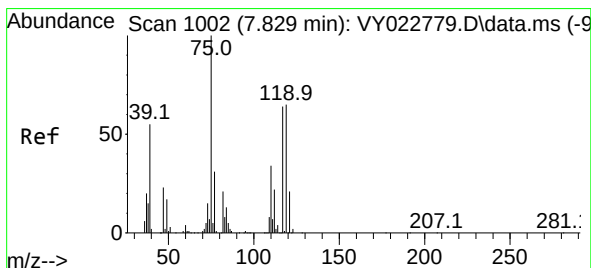
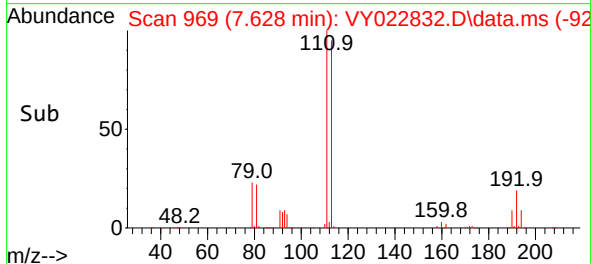
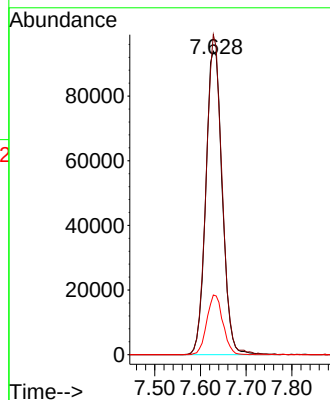
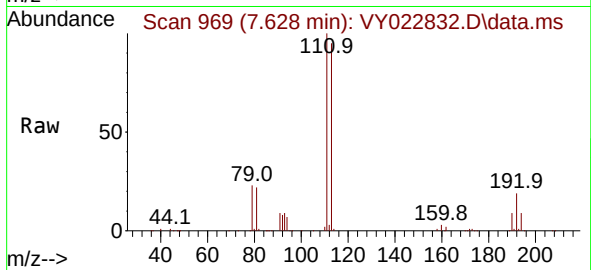




#35
Dibromofluoromethane
Concen: 49.369 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022832.D
Acq: 25 Jun 2025 18:02

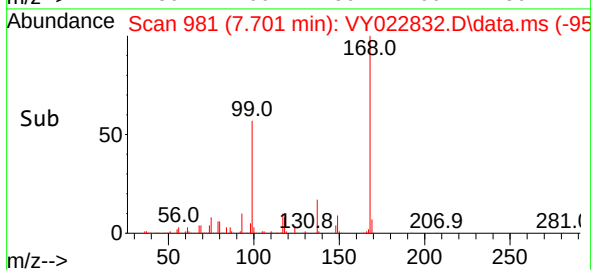
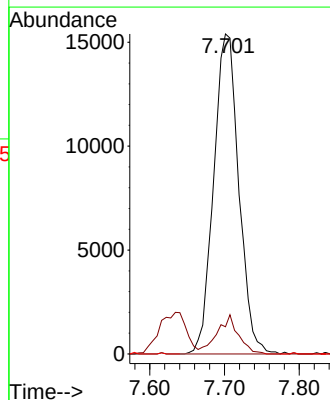
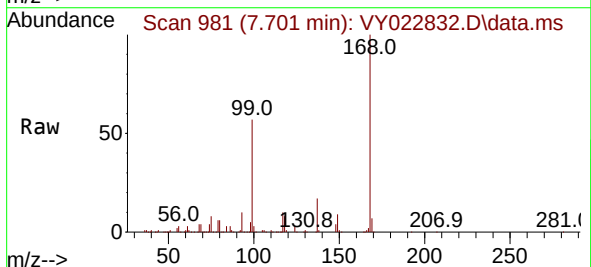
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

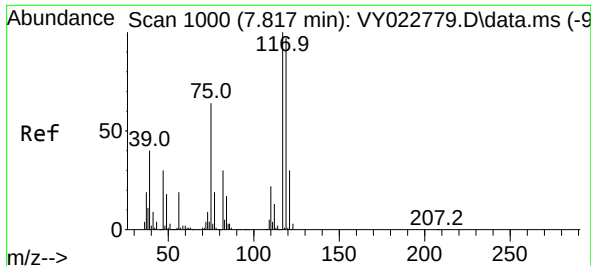
Tgt Ion:113 Resp: 235052
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 19.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.997 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022832.D
Acq: 25 Jun 2025 18:02

Tgt Ion: 75 Resp: 36062
Ion Ratio Lower Upper
75 100
110 10.3 16.9 50.7#
77 0.0 24.8 37.2#

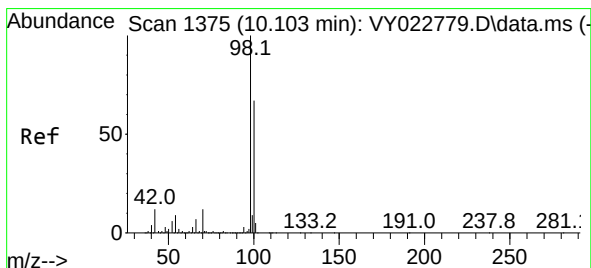
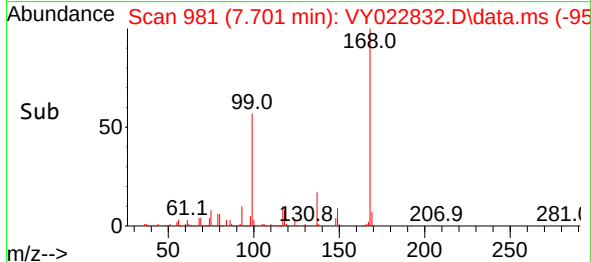
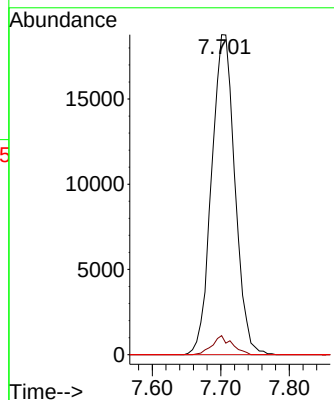
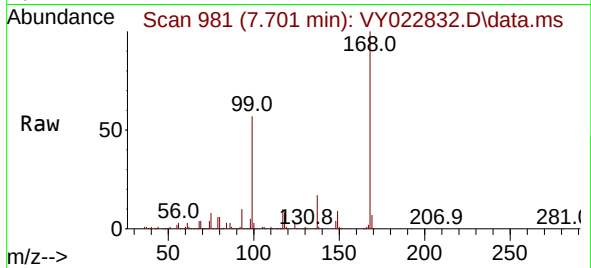




#38
Carbon Tetrachloride
Concen: 5.829 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022832.D
Acq: 25 Jun 2025 18:02

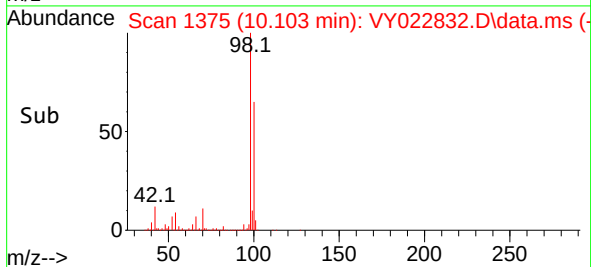
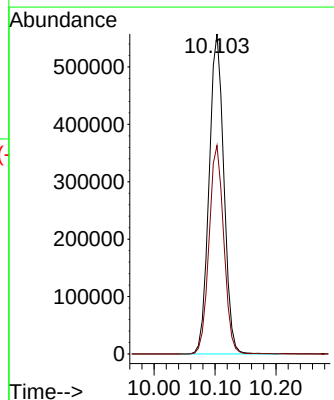
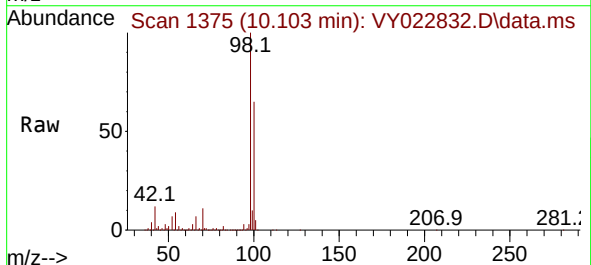
Instrument :
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ClientSampleId :
COMP-2

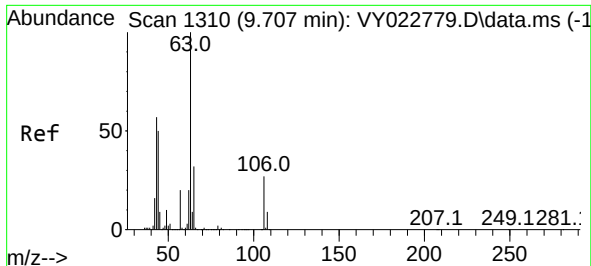
Tgt Ion:117 Resp: 44388
Ion Ratio Lower Upper
117 100
119 5.9 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.622 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022832.D
Acq: 25 Jun 2025 18:02

Tgt Ion: 98 Resp: 937499
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0

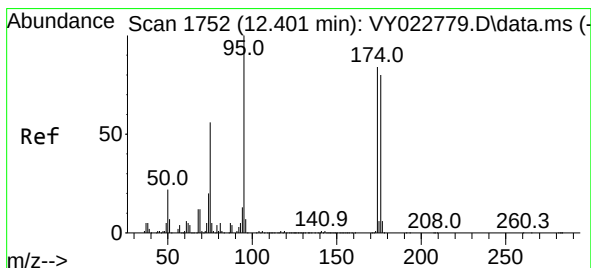
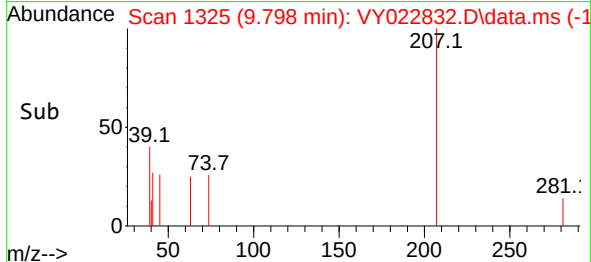
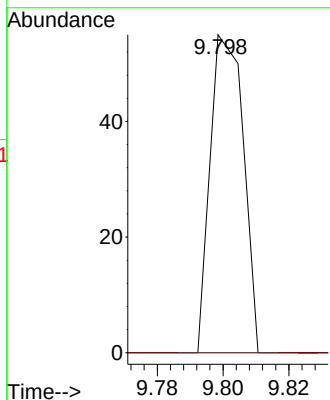
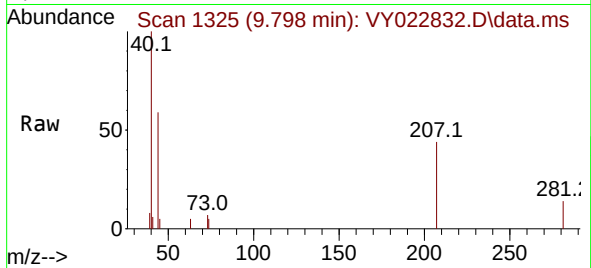




#58
2-Chloroethyl Vinyl ether
Concen: 15.668 ug/l
RT: 9.798 min Scan# 11
Delta R.T. 0.085 min
Lab File: VY022832.D
Acq: 25 Jun 2025 18:02

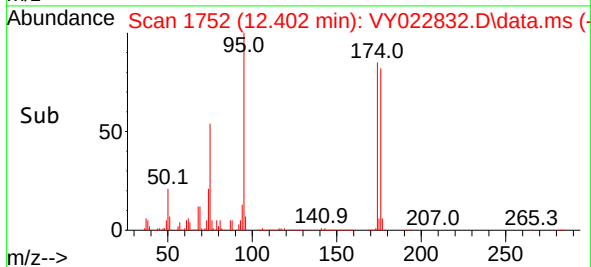
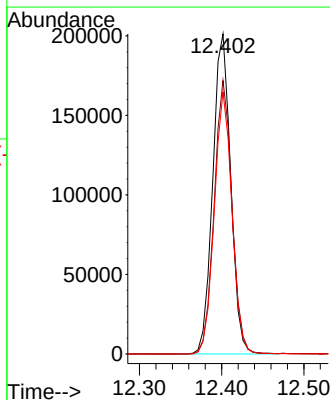
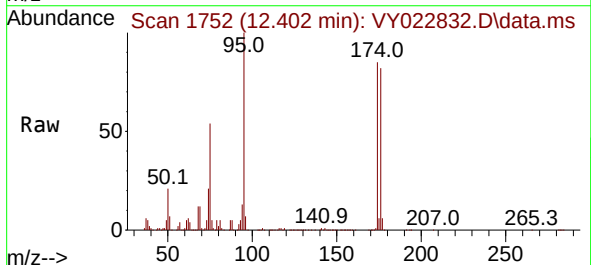
Instrument :
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ClientSampleId :
COMP-2

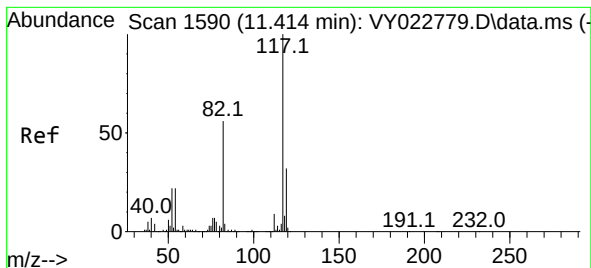
Tgt Ion: 63 Resp: 38
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 50.192 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022832.D
Acq: 25 Jun 2025 18:02

Tgt Ion: 95 Resp: 304838
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.0
176 81.0 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: VY022832.D

Acq: 25 Jun 2025 18:02

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

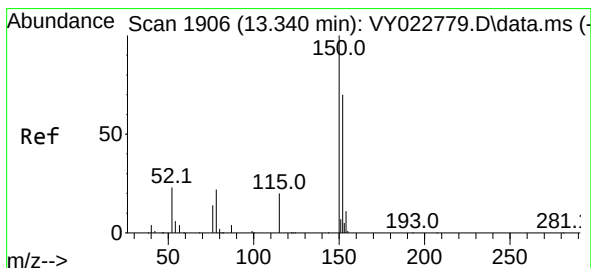
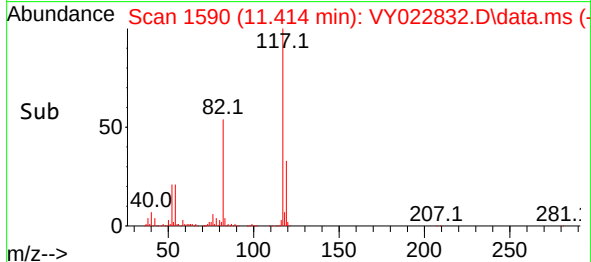
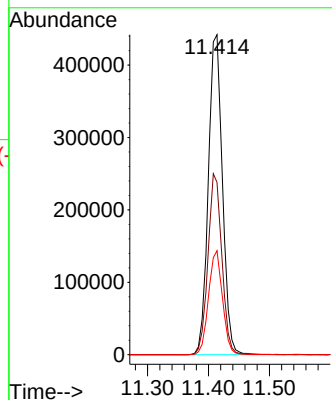
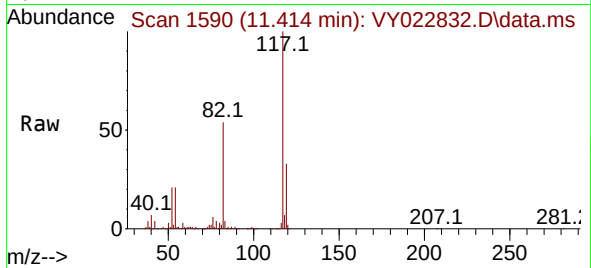
Tgt Ion:117 Resp: 712732

Ion Ratio Lower Upper

117 100

82 53.8 44.6 66.8

119 32.5 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: VY022832.D

Acq: 25 Jun 2025 18:02

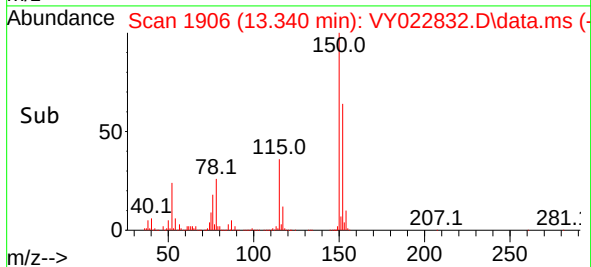
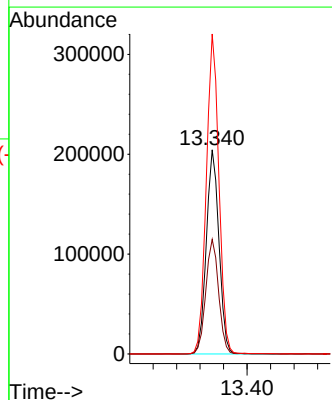
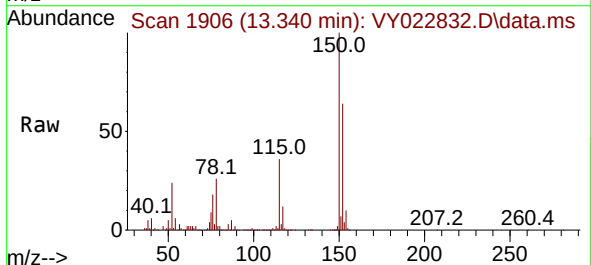
Tgt Ion:152 Resp: 306171

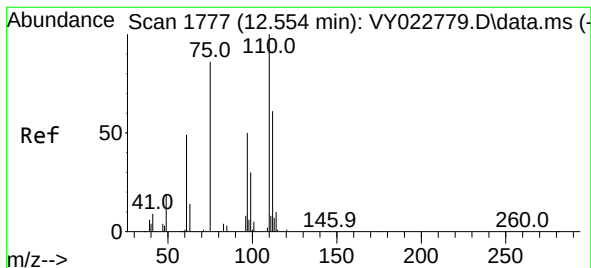
Ion Ratio Lower Upper

152 100

115 57.0 28.9 86.7

150 155.9 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 54.216 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022832.D

Acq: 25 Jun 2025 18:02

Instrument :

MSVOA_Y

ClientSampleId :

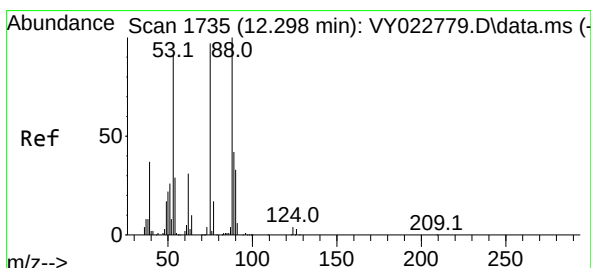
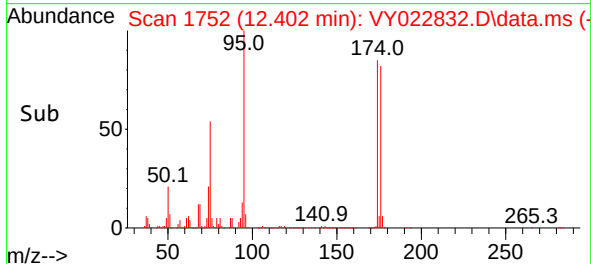
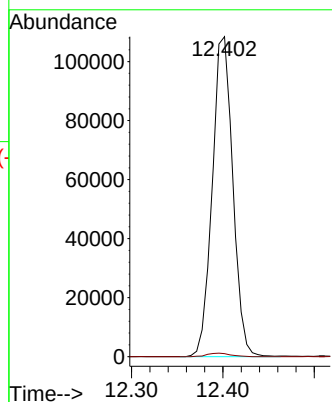
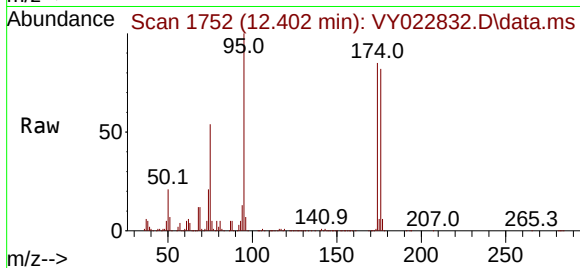
COMP-2

Tgt Ion: 75 Resp: 169464

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 136.970 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY022832.D

Acq: 25 Jun 2025 18:02

Tgt Ion: 75 Resp: 169464

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 35.7 53.5#

