

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022866.D
 Acq On : 27 Jun 2025 16:53
 Operator : SY/MD
 Sample : Q2442-01
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 500-3B

Quant Time: Jun 27 23:20:38 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	309134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	561343	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	498934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	194535	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132398	38.373	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.740%
35) Dibromofluoromethane	7.634	113	160311	46.959	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.920%
50) Toluene-d8	10.109	98	670553	49.500	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.000%
62) 4-Bromofluorobenzene	12.402	95	204352	46.926	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.860%

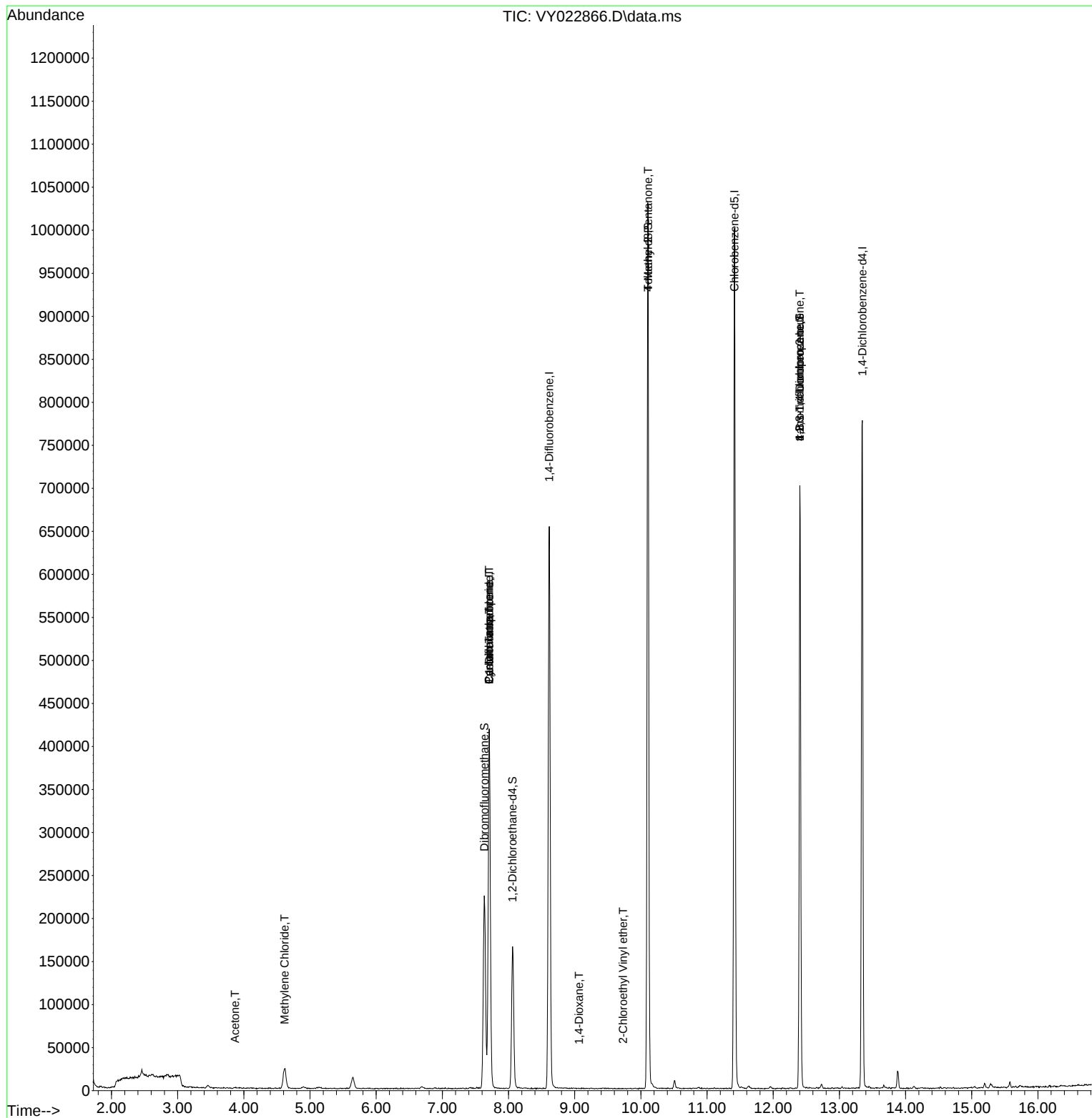
Target Compounds						Qvalue
16) Acetone	3.866	43	1714	2.628	ug/l	95
20) Methylene Chloride	4.616	84	17419	4.230	ug/l	97
31) Cyclohexane	7.707	56	8001	1.350	ug/l #	16
36) 1,1-Dichloropropene	7.707	75	26578	5.136	ug/l #	50
38) Carbon Tetrachloride	7.707	117	32756	5.999	ug/l #	15
49) 1,4-Dioxane	9.067	88	42	1.682	ug/l #	1
51) 4-Methyl-2-Pentanone	10.109	43	3310	1.404	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.731	63	51	15.680	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	115110	57.960	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	115110	146.429	ug/l #	10

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

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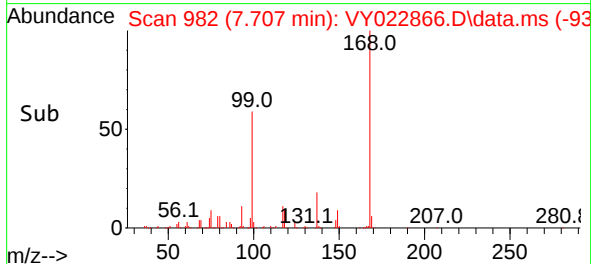
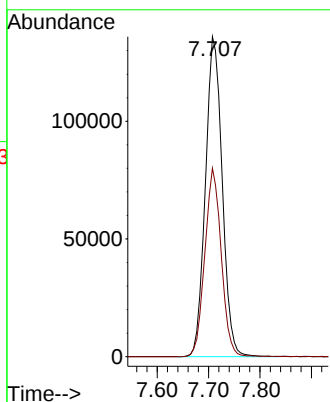
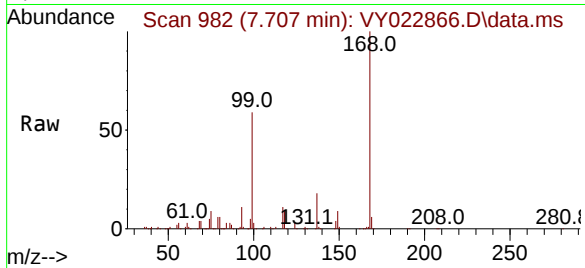




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

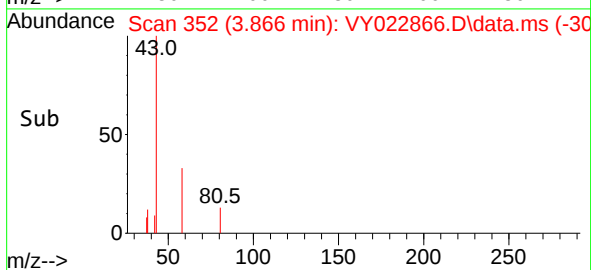
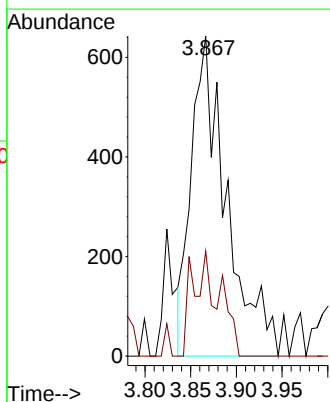
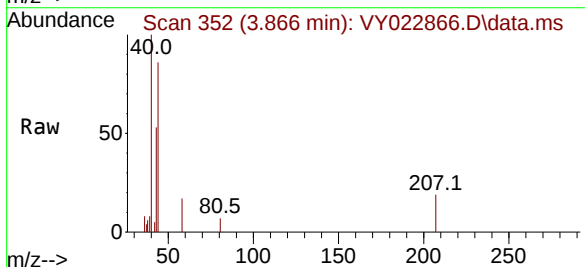
Instrument :
MSVOA_Y
ClientSampleId :
500-3B

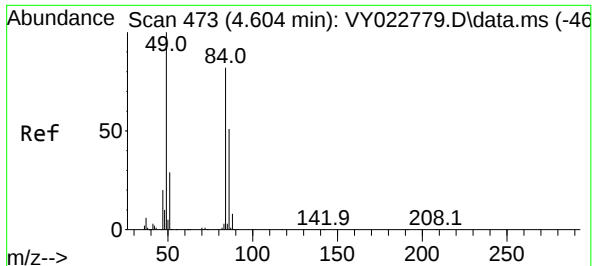
Tgt Ion:168 Resp: 309134
Ion Ratio Lower Upper
168 100
99 58.9 44.3 66.5



#16
Acetone
Concen: 2.628 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

Tgt Ion: 43 Resp: 1714
Ion Ratio Lower Upper
43 100
58 32.8 24.0 36.0

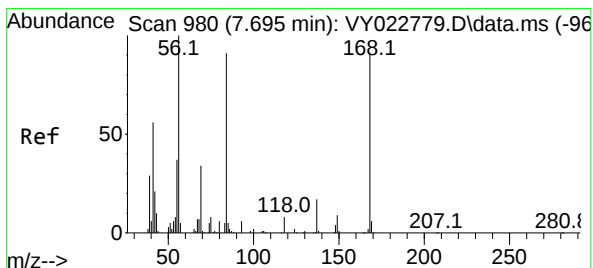
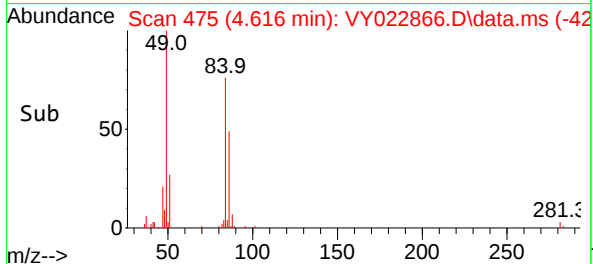
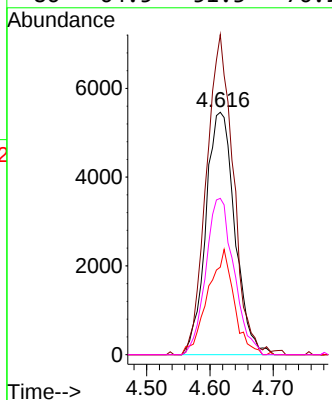
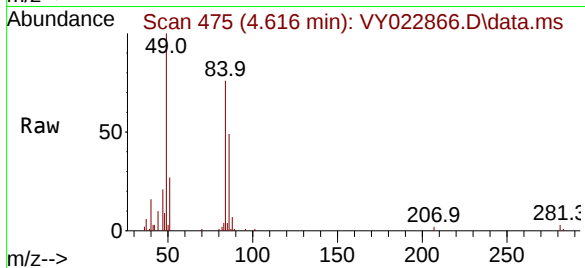




#20
Methylene Chloride
Concen: 4.230 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

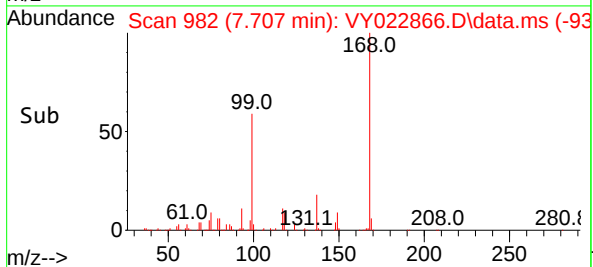
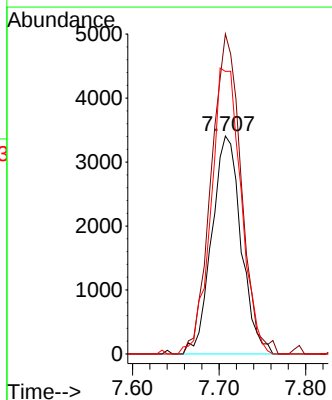
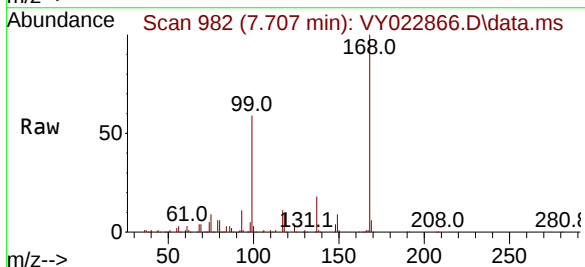
Instrument :
MSVOA_Y
ClientSampleId :
500-3B

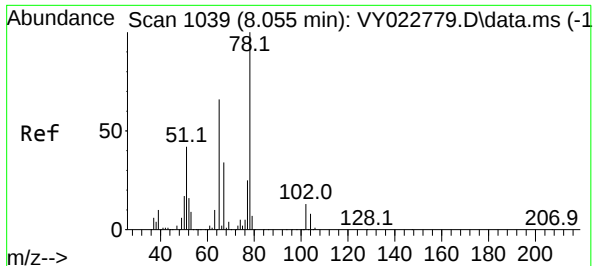
Tgt Ion:	84	Resp:	17419
Ion	Ratio	Lower	Upper
84	100		
49	132.0	101.9	152.9
51	36.1	29.8	44.8
86	64.5	51.3	76.9



#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

Tgt Ion:	56	Resp:	8001
Ion	Ratio	Lower	Upper
56	100		
69	146.8	27.0	40.6#
84	129.6	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 38.373 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022866.D

Acq: 27 Jun 2025 16:53

Instrument :

MSVOA_Y

ClientSampleId :

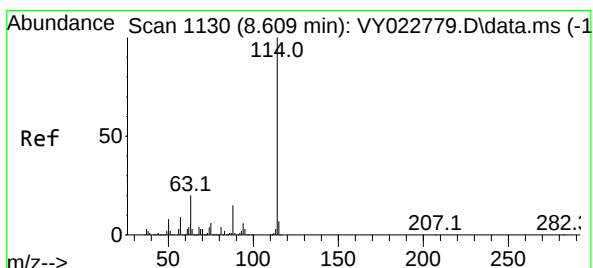
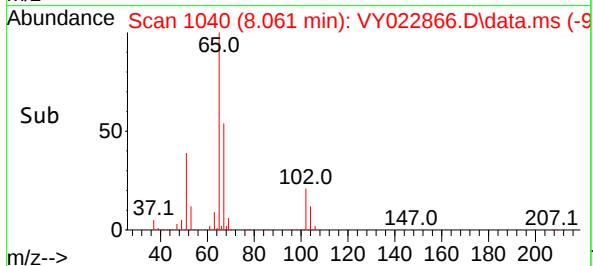
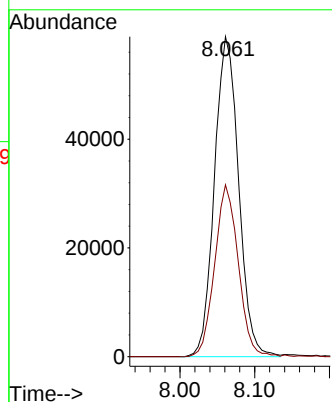
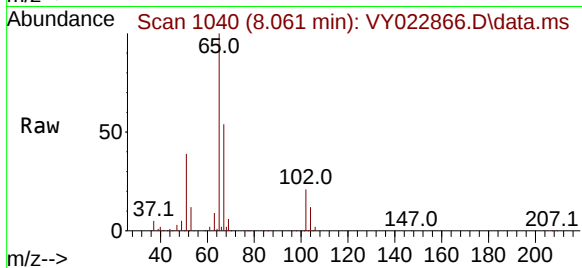
500-3B

Tgt Ion: 65 Resp: 132398

Ion Ratio Lower Upper

65 100

67 52.5 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: VY022866.D

Acq: 27 Jun 2025 16:53

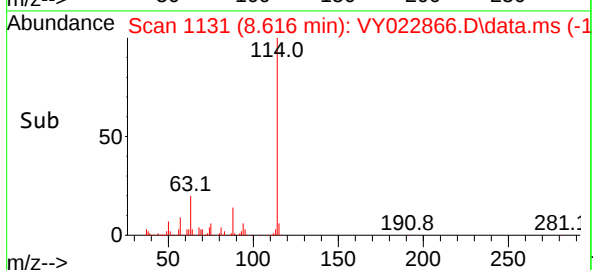
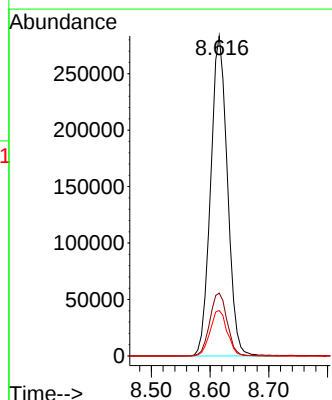
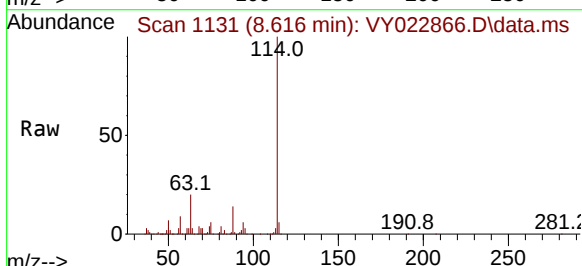
Tgt Ion: 114 Resp: 561343

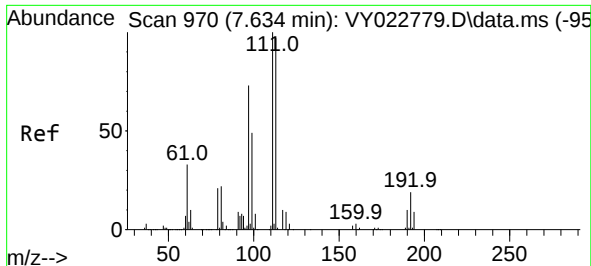
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 14.2 0.0 27.8

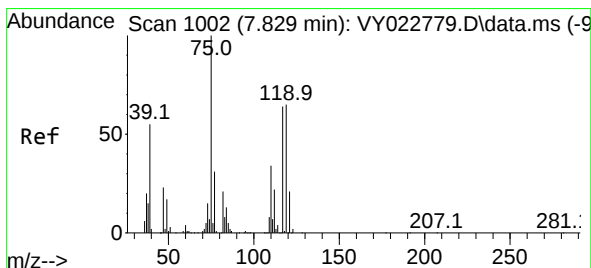
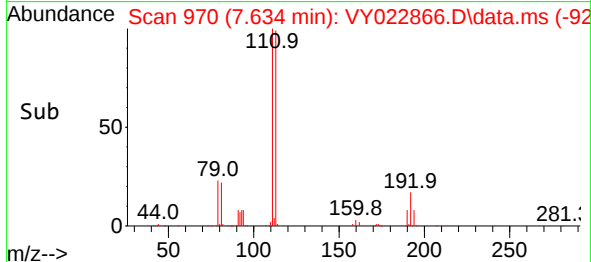
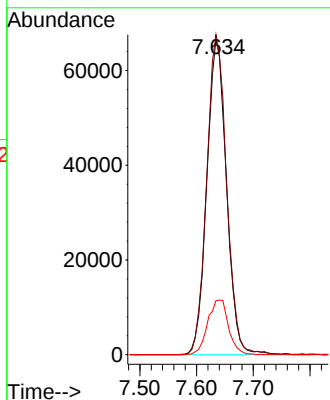
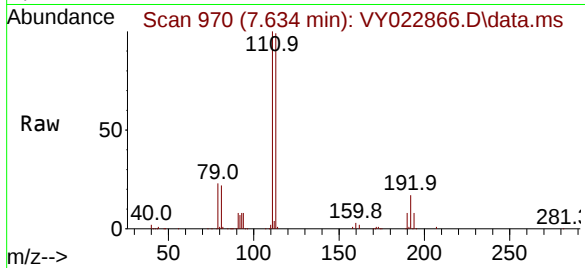




#35
Dibromofluoromethane
Concen: 46.959 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

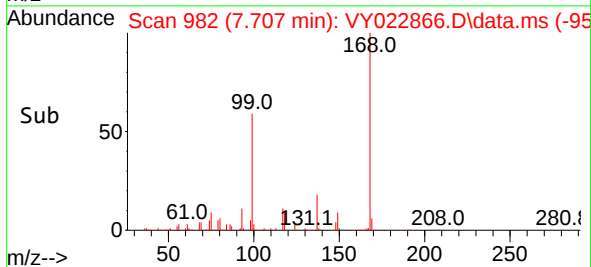
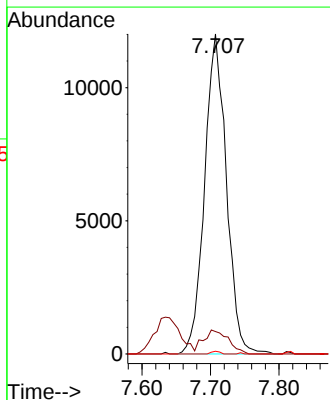
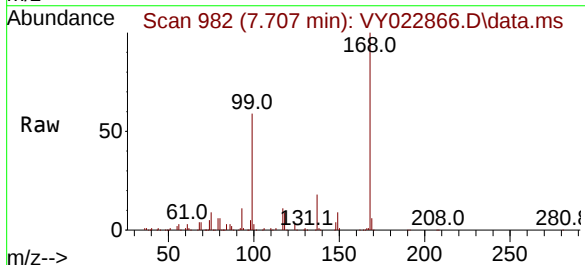
Instrument :
MSVOA_Y
ClientSampleId :
500-3B

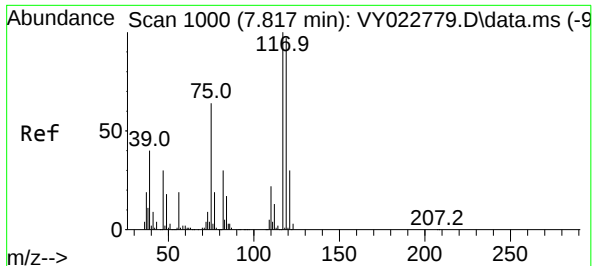
Tgt Ion:113 Resp: 160311
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 18.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.136 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

Tgt Ion: 75 Resp: 26578
Ion Ratio Lower Upper
75 100
110 8.5 16.9 50.7#
77 0.3 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.999 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY022866.D

Acq: 27 Jun 2025 16:53

Instrument :

MSVOA_Y

ClientSampleId :

500-3B

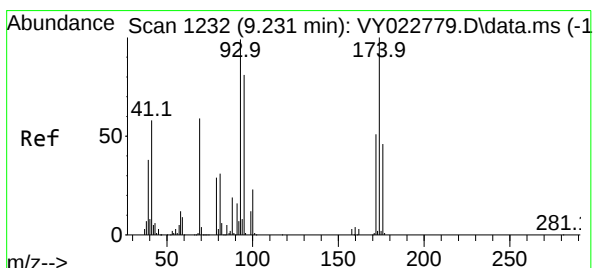
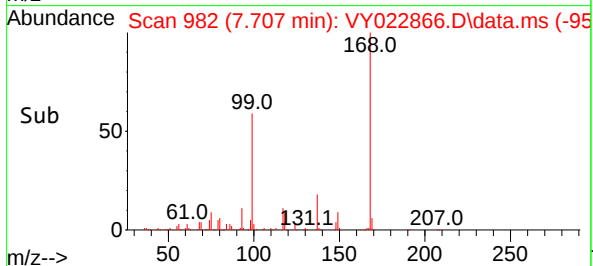
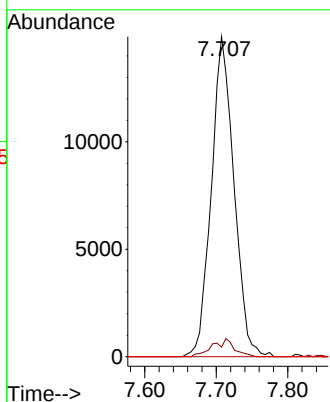
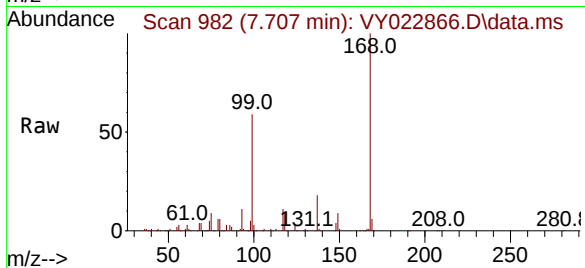
Tgt Ion:117 Resp: 32756

Ion Ratio Lower Upper

117 100

119 3.0 75.0 112.6#

121 0.0 25.0 37.4#



#49

1,4-Dioxane

Concen: 1.682 ug/l

RT: 9.067 min Scan# 1205

Delta R.T. -0.177 min

Lab File: VY022866.D

Acq: 27 Jun 2025 16:53

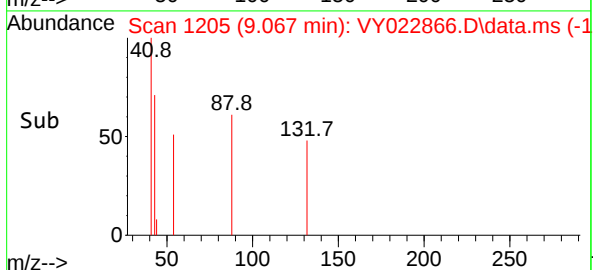
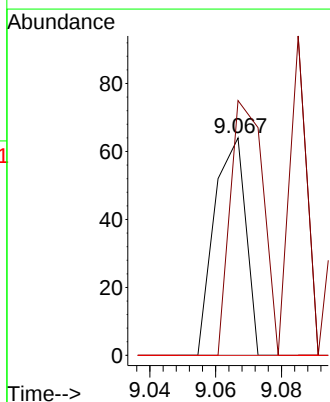
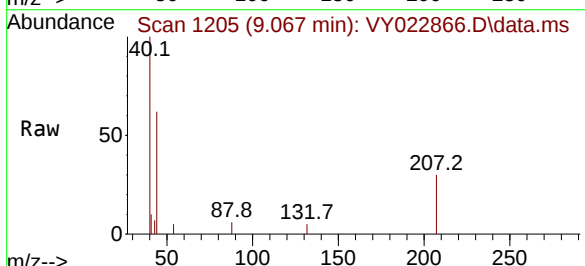
Tgt Ion: 88 Resp: 42

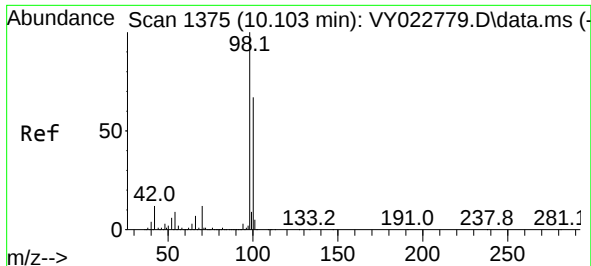
Ion Ratio Lower Upper

88 100

43 123.8 25.4 38.2#

58 0.0 54.9 82.3#

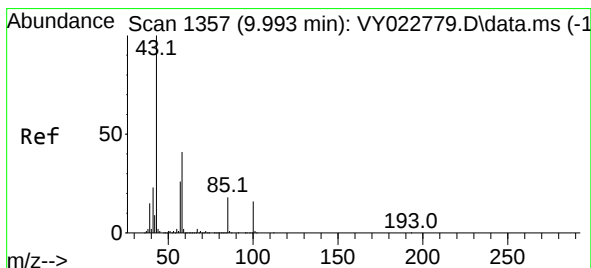
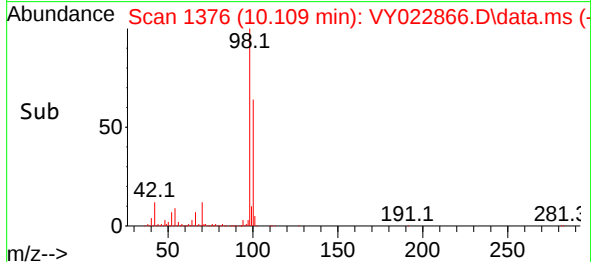
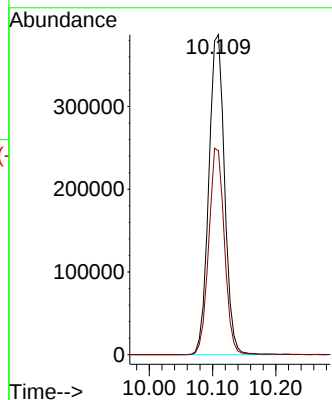
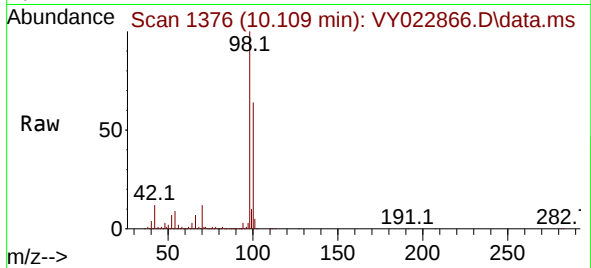




#50
Toluene-d8
Concen: 49.500 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

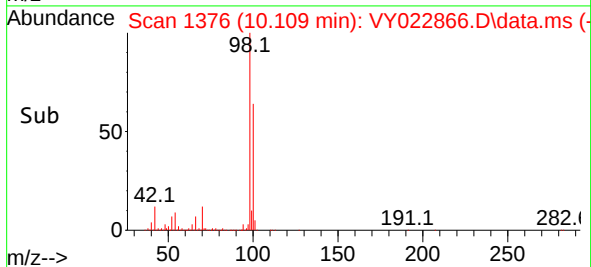
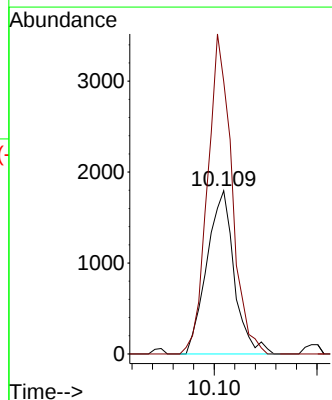
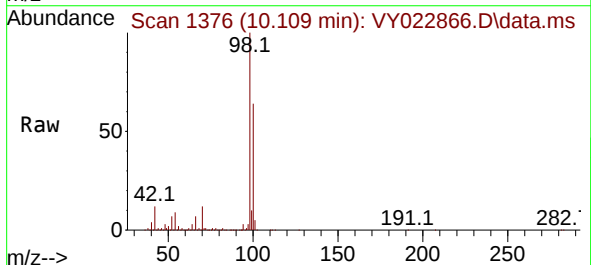
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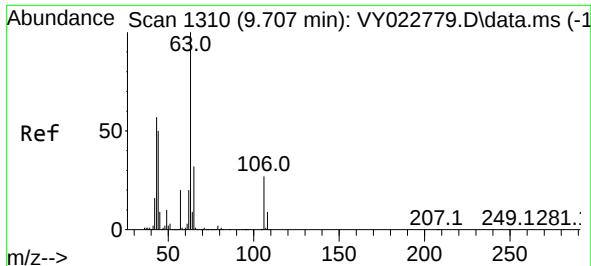
Tgt Ion: 98 Resp: 670553
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.404 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

Tgt Ion: 43 Resp: 3310
Ion Ratio Lower Upper
43 100
58 173.7 30.4 45.6#

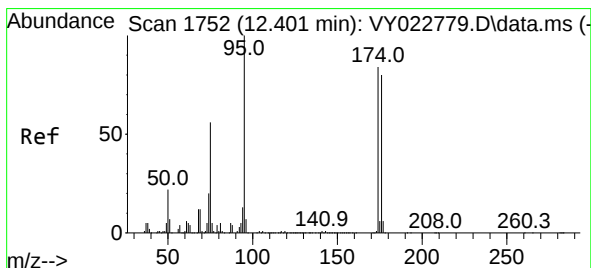
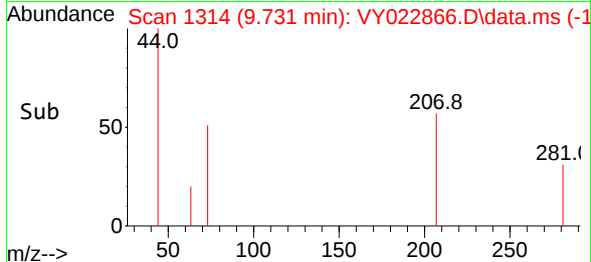
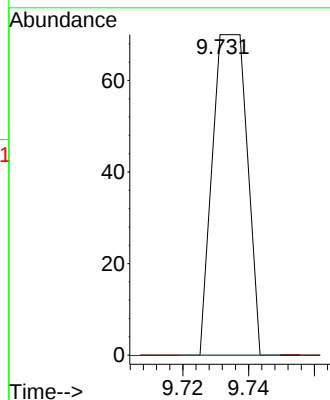
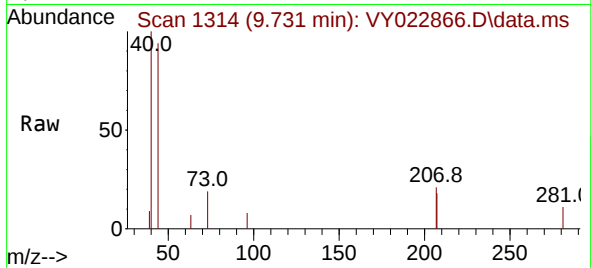




#58
2-Chloroethyl Vinyl ether
Concen: 15.680 ug/l
RT: 9.731 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

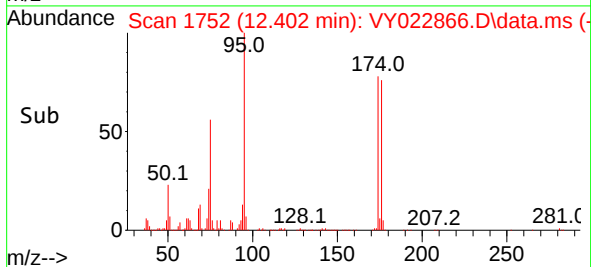
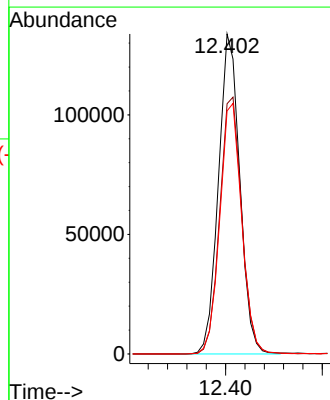
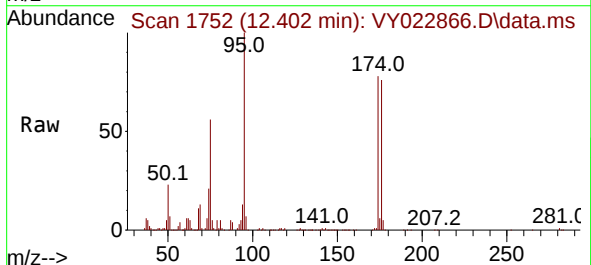
Instrument :
MSVOA_Y
ClientSampleId :
500-3B

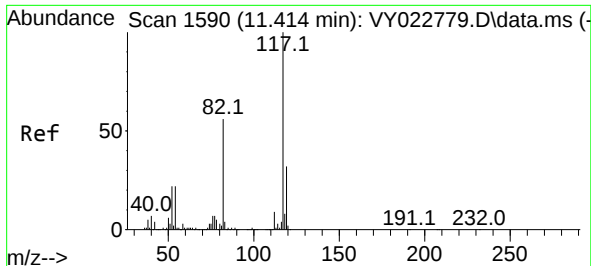
Tgt Ion: 63 Resp: 51
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 46.926 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

Tgt Ion: 95 Resp: 204352
Ion Ratio Lower Upper
95 100
174 83.3 0.0 170.0
176 80.6 0.0 166.2

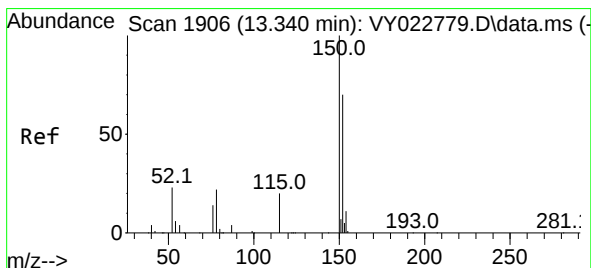
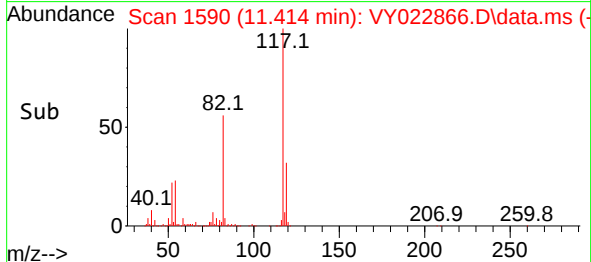
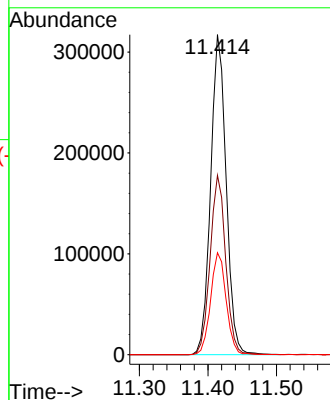
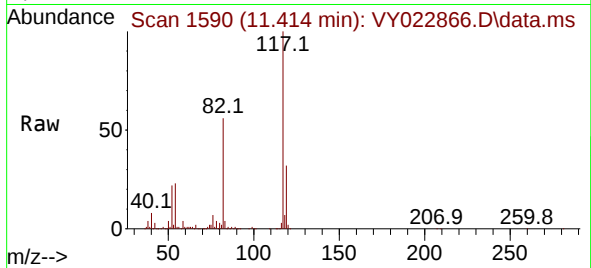




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

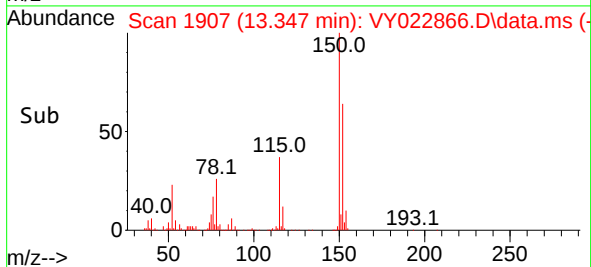
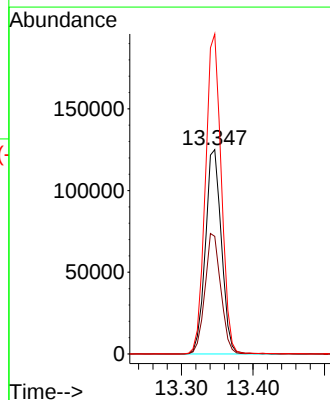
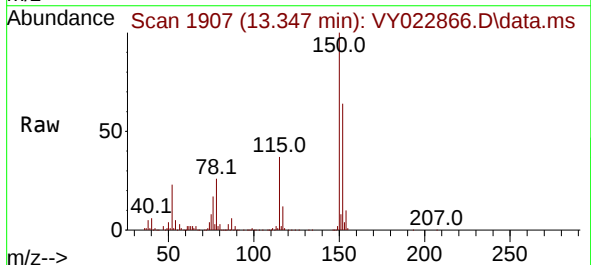
Instrument :
MSVOA_Y
ClientSampleId :
500-3B

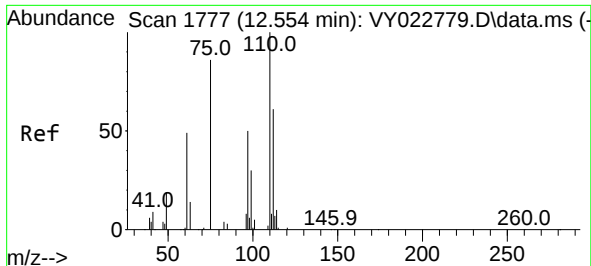
Tgt Ion:117 Resp: 498934
Ion Ratio Lower Upper
117 100
82 56.1 44.6 66.8
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

Tgt Ion:152 Resp: 194535
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.7
150 155.5 0.0 349.6

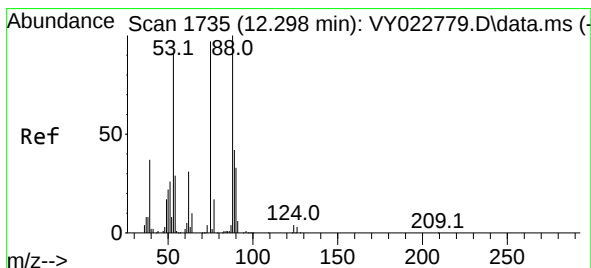
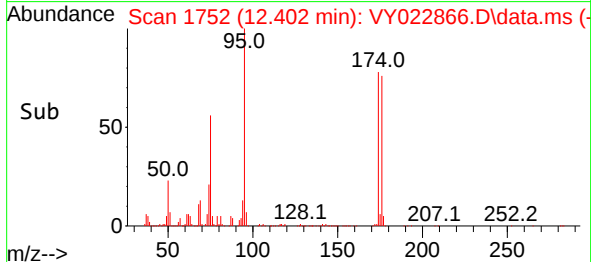
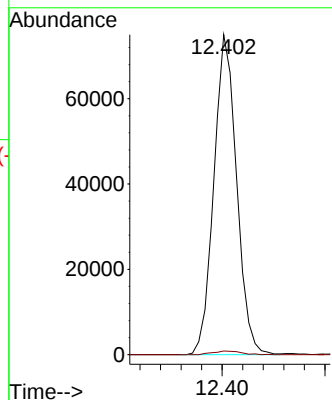
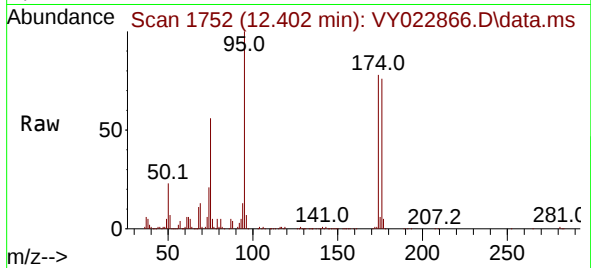




#76
1,2,3-Trichloropropane
Concen: 57.960 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

Instrument :
MSVOA_Y
ClientSampleId :
500-3B

Tgt Ion: 75 Resp: 115110
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 146.429 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

Tgt Ion: 75 Resp: 115110
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

