

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022880.D
 Acq On : 30 Jun 2025 15:15
 Operator : SY/MD
 Sample : Q2457-01
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-2-062725

Quant Time: Jul 01 03:38:37 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)

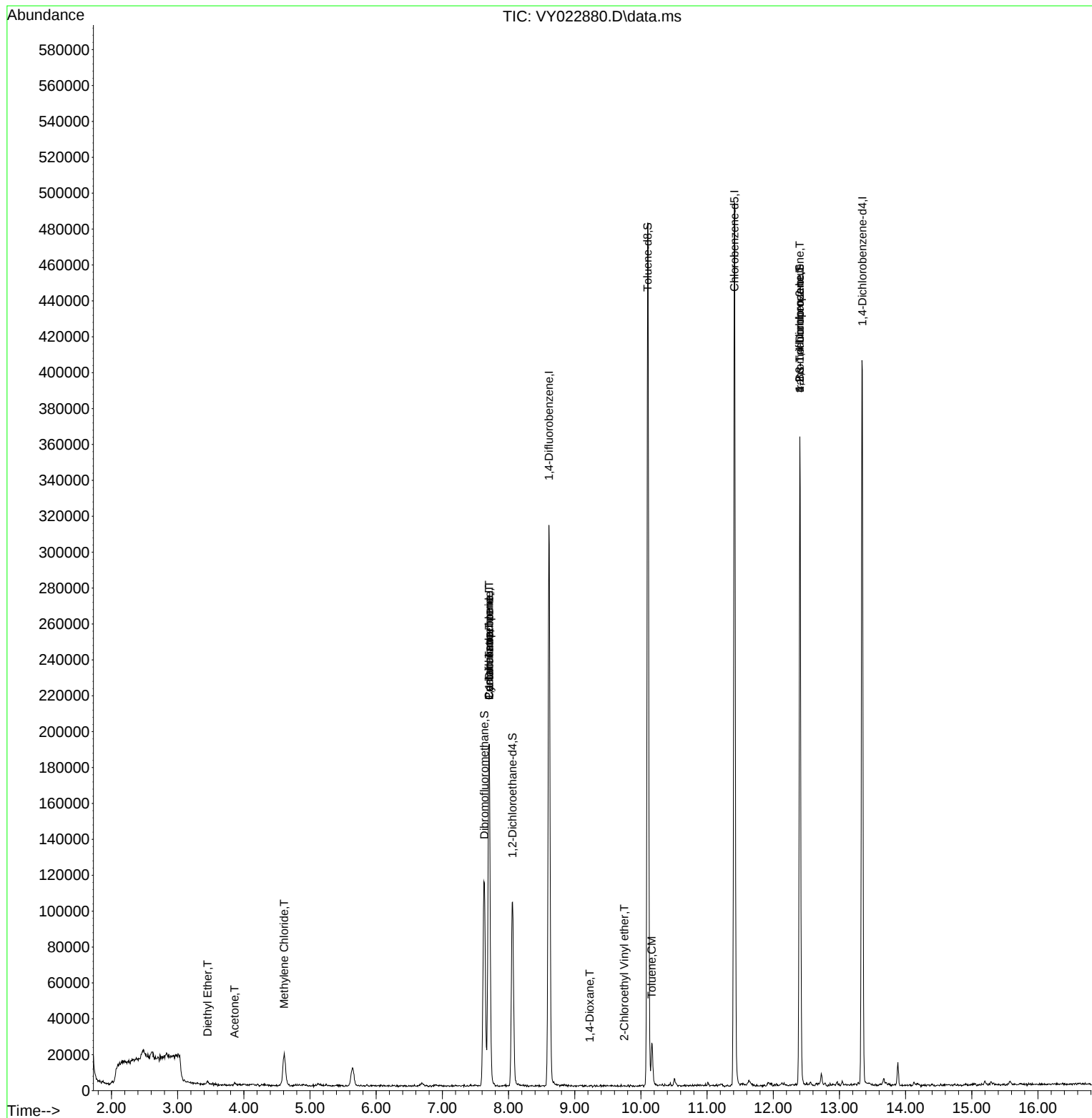
Internal Standards						
1) Pentafluorobenzene	7.707	168	144343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	261270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	102584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87032	54.023	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.040%	
35) Dibromofluoromethane	7.634	113	84371	53.100	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.200%	
50) Toluene-d8	10.103	98	308111	48.867	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.740%	
62) 4-Bromofluorobenzene	12.401	95	105264	51.934	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.860%	
Target Compounds						
8) Diethyl Ether	3.452	74	1121	1.392	ug/l	Qvalue 90
16) Acetone	3.860	43	994	3.264	ug/l #	76
20) Methylene Chloride	4.610	84	12414	6.456	ug/l	97
31) Cyclohexane	7.707	56	3662	1.323	ug/l #	24
36) 1,1-Dichloropropene	7.707	75	12576	5.222	ug/l #	49
38) Carbon Tetrachloride	7.707	117	15365	6.046	ug/l #	18
49) 1,4-Dioxane	9.225	88	52	4.474	ug/l #	24
52) Toluene	10.164	92	9075	1.943	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.749	63	19	15.675	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	58810	56.154	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	58810	141.867	ug/l #	10

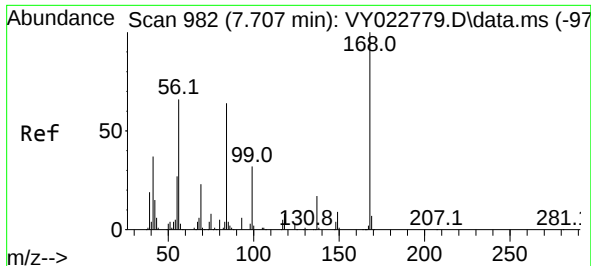
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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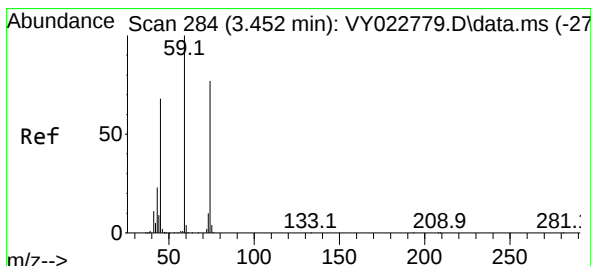
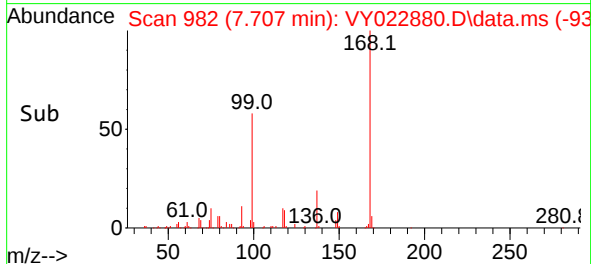
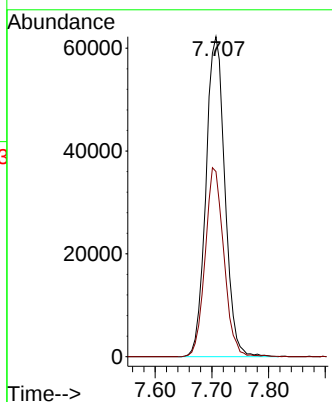
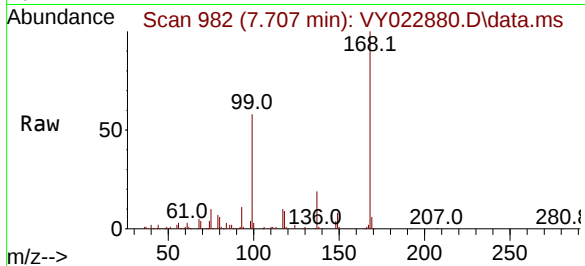




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

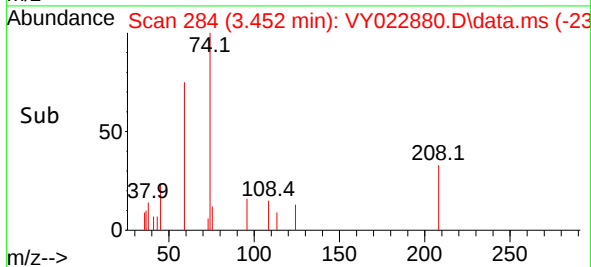
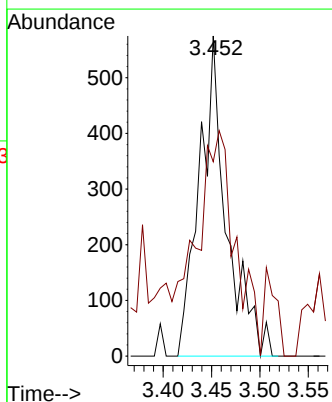
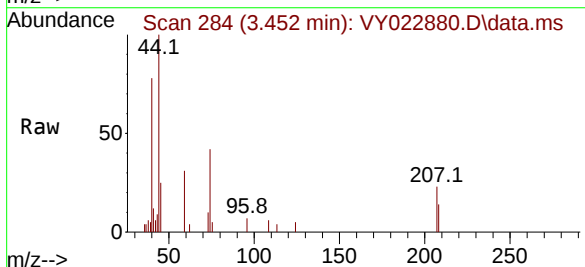
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-062725

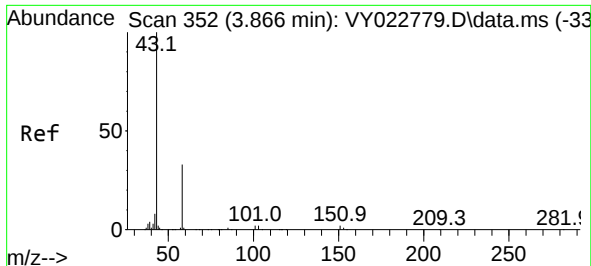
Tgt Ion:168 Resp: 144343
Ion Ratio Lower Upper
168 100
99 57.8 44.3 66.5



#8
Diethyl Ether
Concen: 1.392 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.012 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

Tgt Ion: 74 Resp: 1121
Ion Ratio Lower Upper
74 100
45 101.7 45.9 137.6

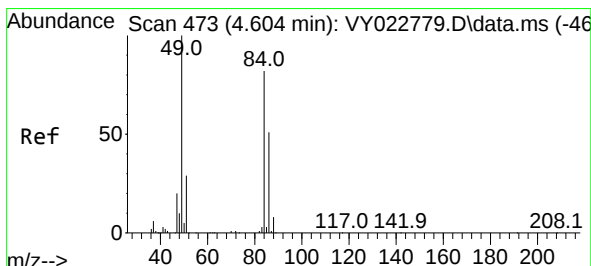
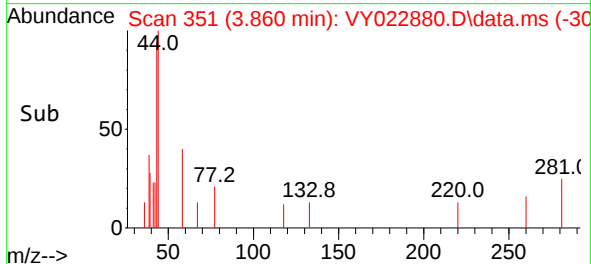
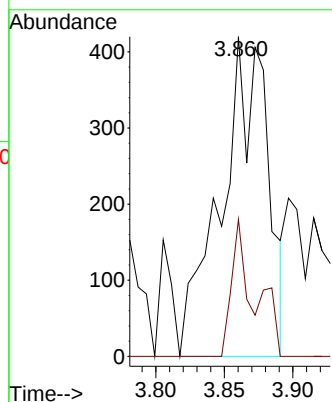
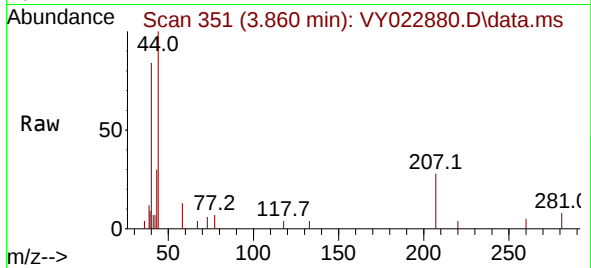




#16
Acetone
Concen: 3.264 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.019 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

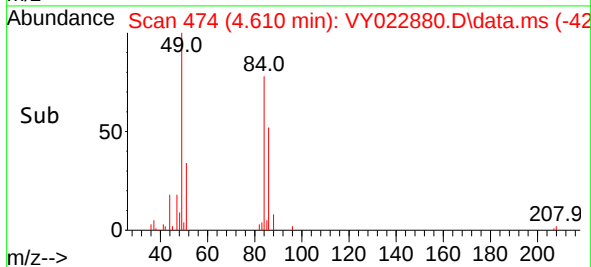
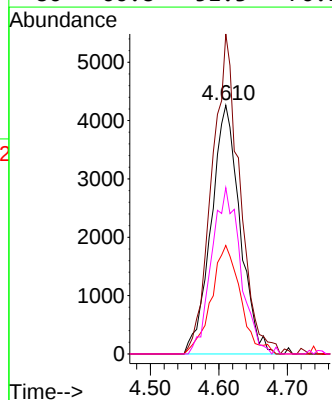
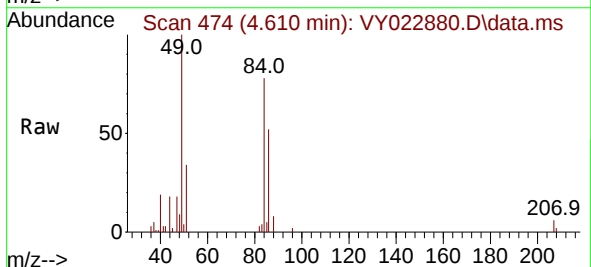
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-062725

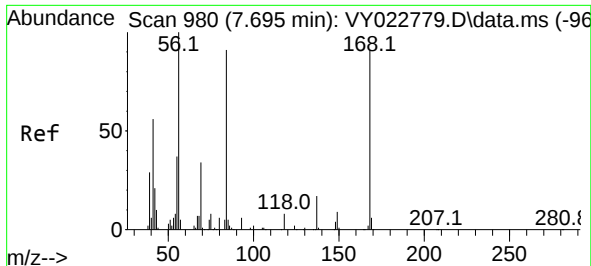
Tgt Ion: 43 Resp: 994
Ion Ratio Lower Upper
43 100
58 42.9 24.0 36.0#



#20
Methylene Chloride
Concen: 6.456 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

Tgt Ion: 84 Resp: 12414
Ion Ratio Lower Upper
84 100
49 128.7 101.9 152.9
51 43.6 29.8 44.8
86 66.8 51.3 76.9

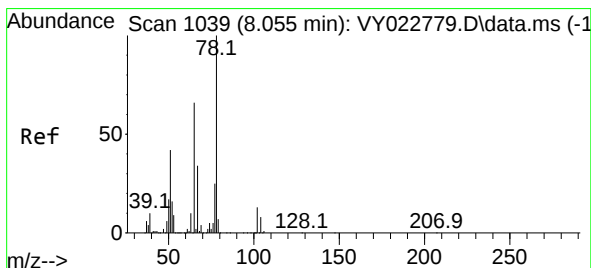
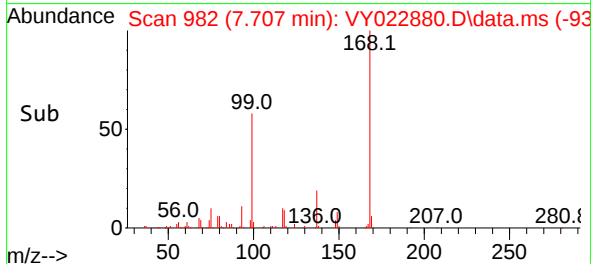
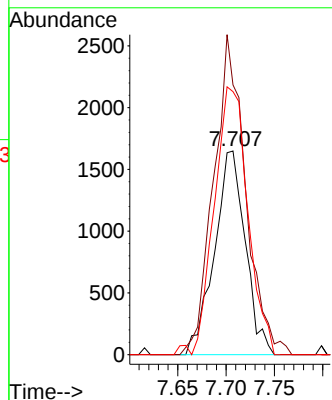
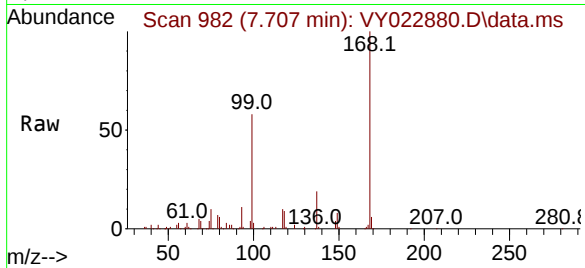




#31
Cyclohexane
Concen: 1.323 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

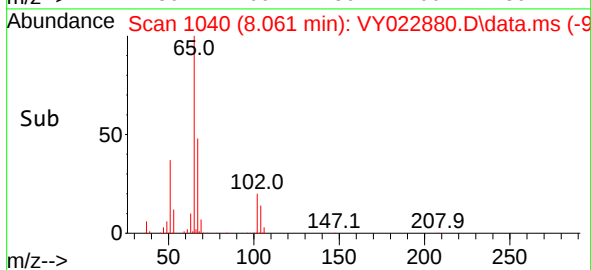
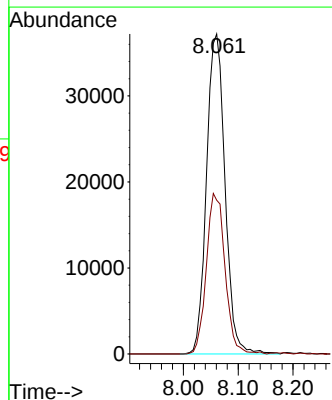
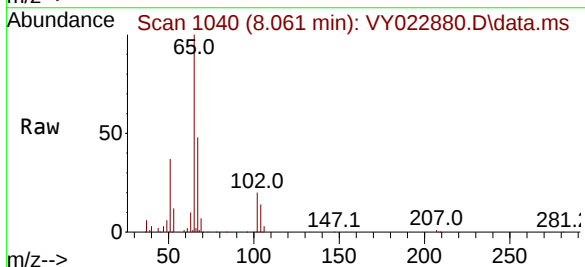
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-062725

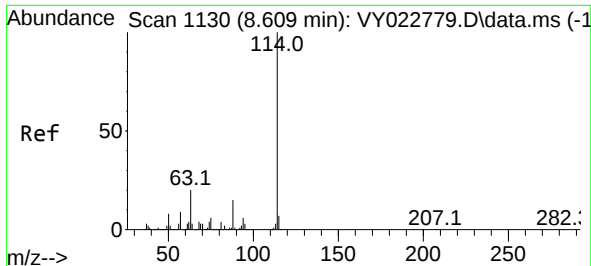
Tgt Ion: 56 Resp: 3662
Ion Ratio Lower Upper
56 100
69 132.4 27.0 40.6#
84 129.2 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 54.023 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

Tgt Ion: 65 Resp: 87032
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.4

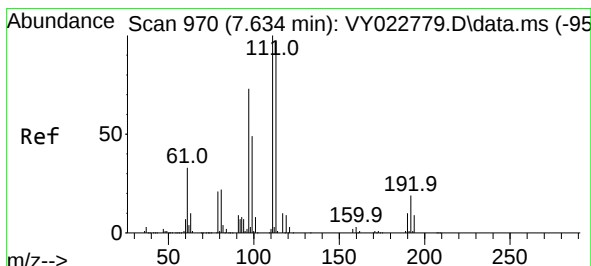
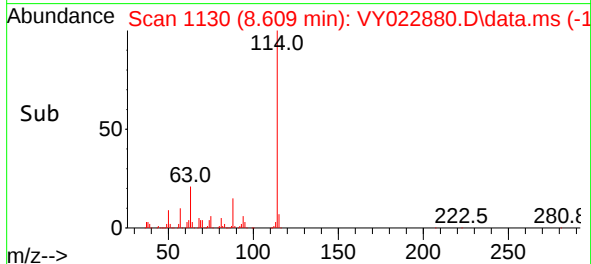
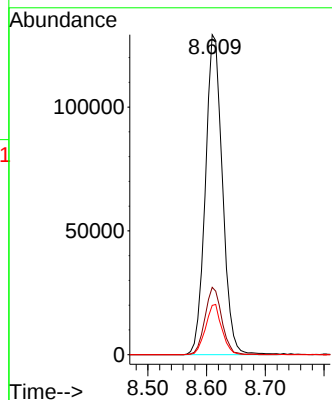
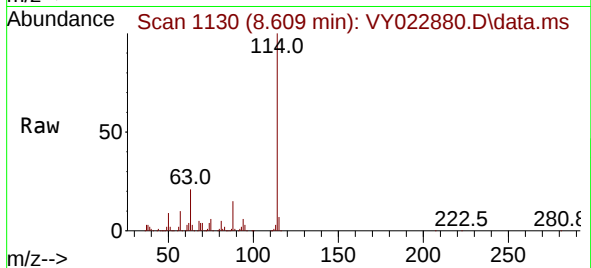




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

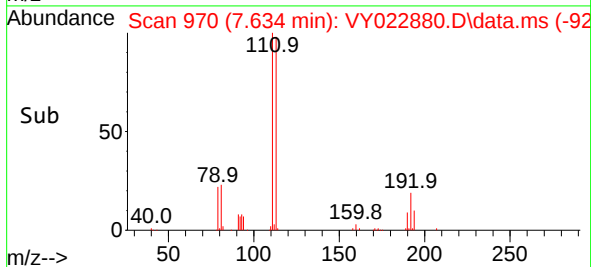
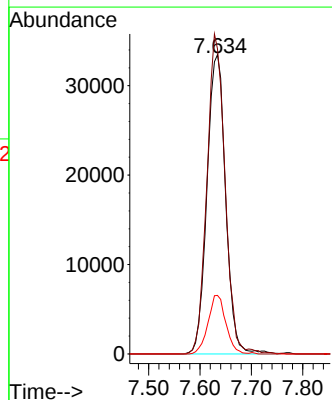
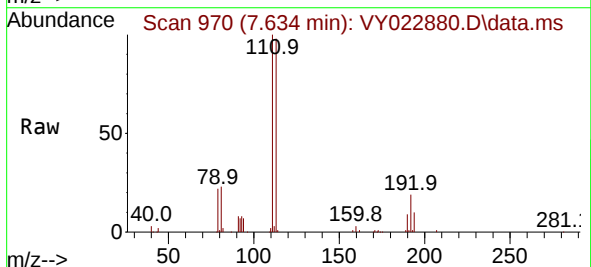
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-062725

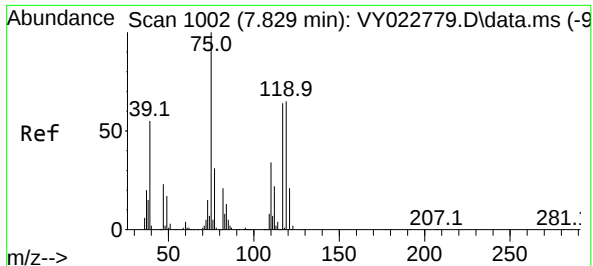
Tgt Ion:114 Resp: 261270
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 15.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 53.100 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

Tgt Ion:113 Resp: 84371
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 18.8 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.222 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY022880.D

Acq: 30 Jun 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

OK-2-062725

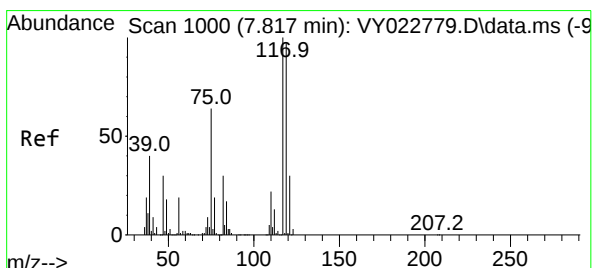
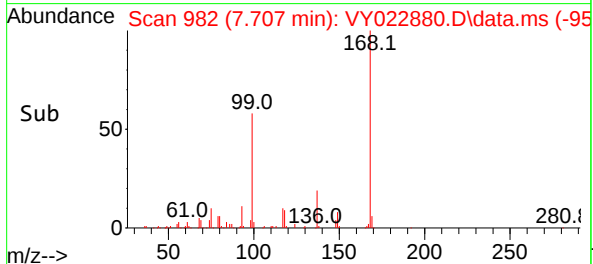
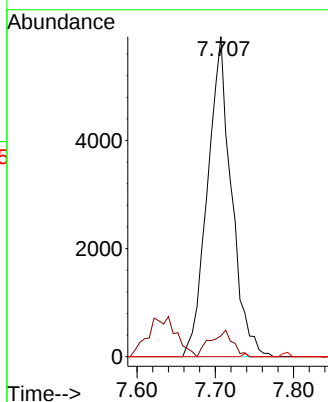
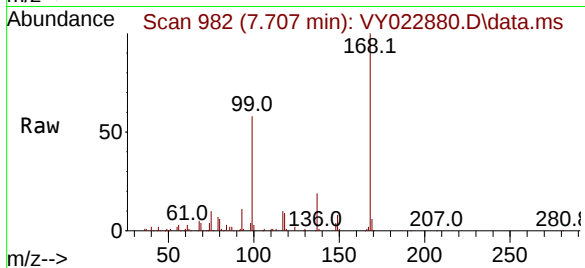
Tgt Ion: 75 Resp: 12576

Ion Ratio Lower Upper

75 100

110 7.7 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.046 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022880.D

Acq: 30 Jun 2025 15:15

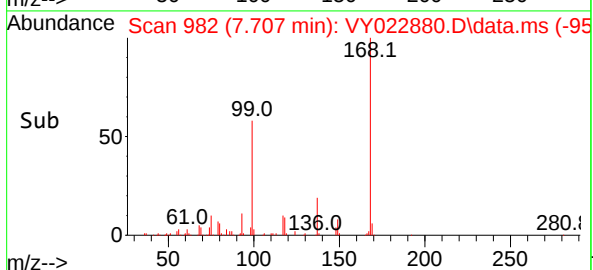
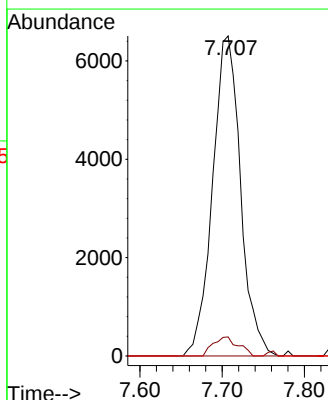
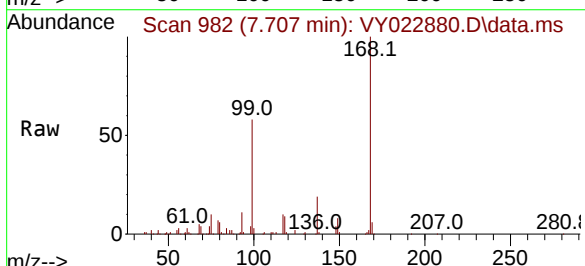
Tgt Ion: 117 Resp: 15365

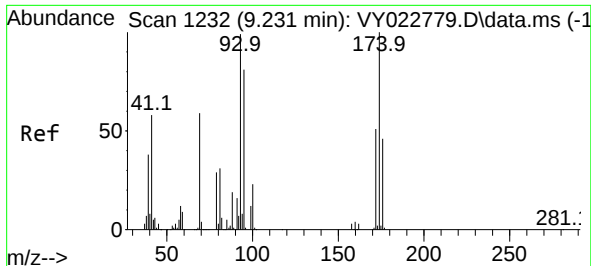
Ion Ratio Lower Upper

117 100

119 5.9 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 4.474 ug/l

RT: 9.225 min Scan# 11

Delta R.T. -0.019 min

Lab File: VY022880.D

Acq: 30 Jun 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

OK-2-062725

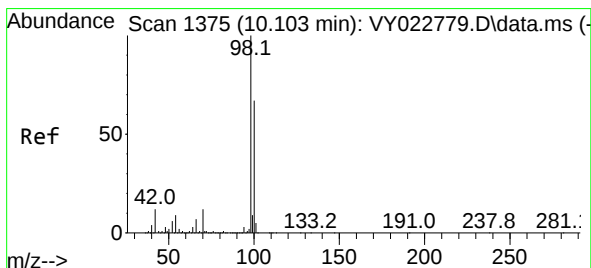
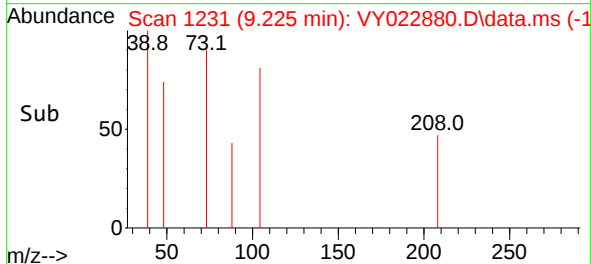
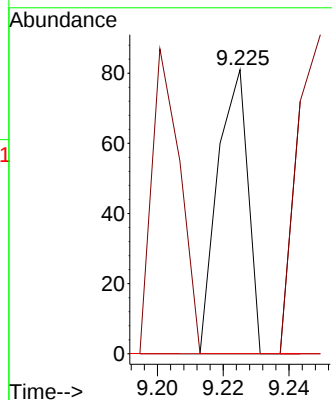
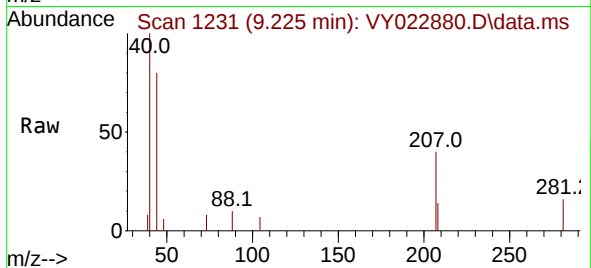
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 48.867 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022880.D

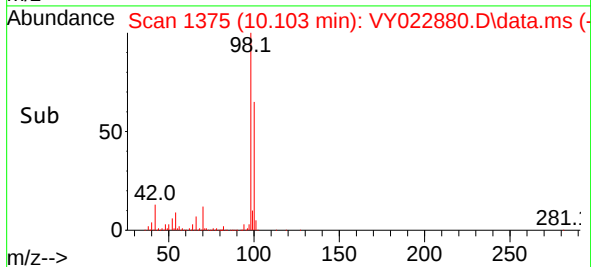
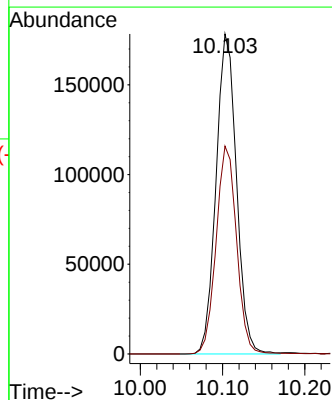
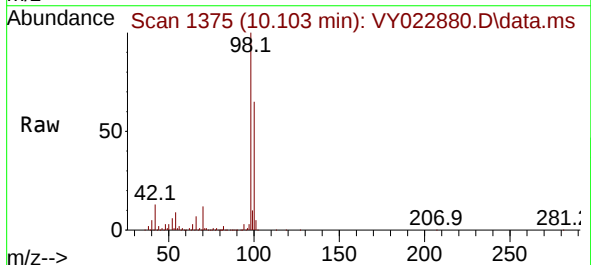
Acq: 30 Jun 2025 15:15

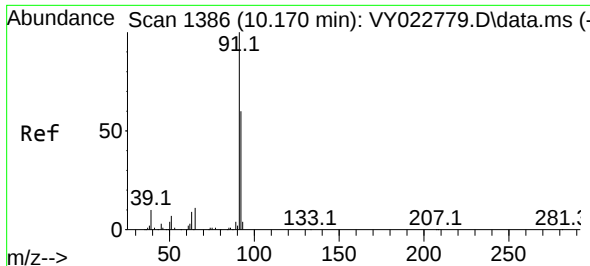
Tgt Ion: 98 Resp: 308111

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0

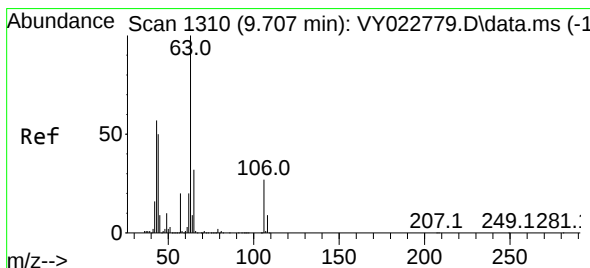
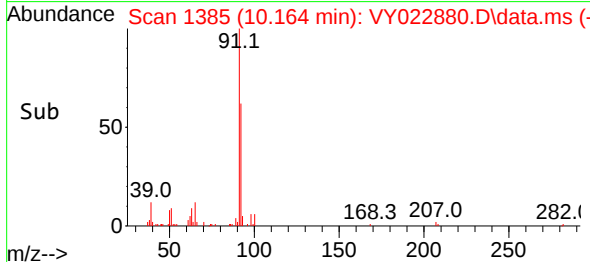
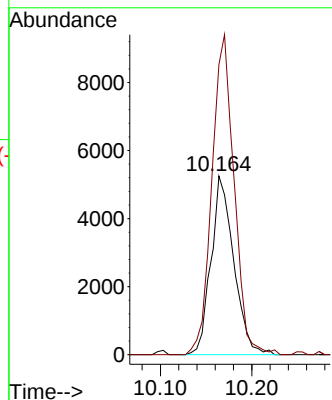
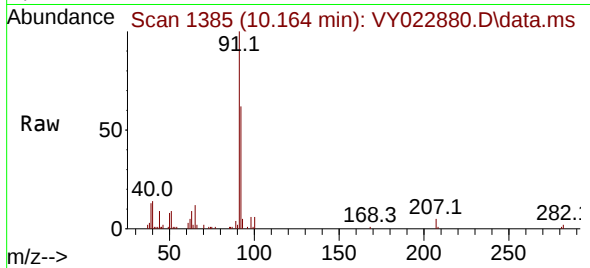




#52
Toluene
Concen: 1.943 ug/l
RT: 10.164 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

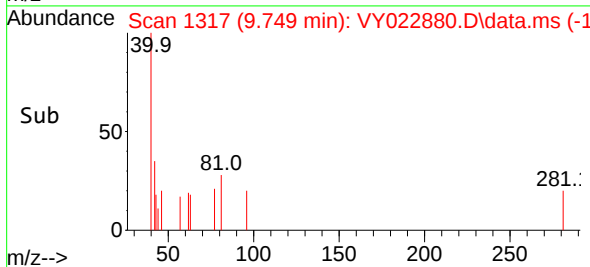
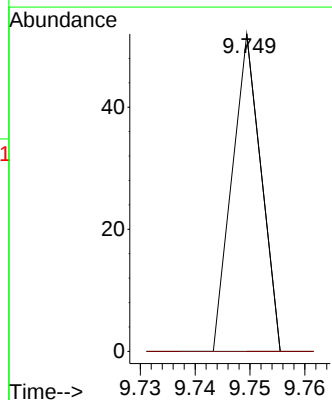
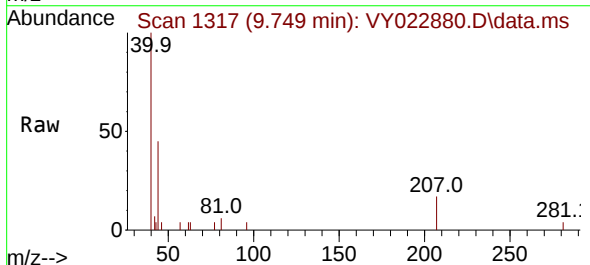
Instrument :
MSVOA_Y
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OK-2-062725

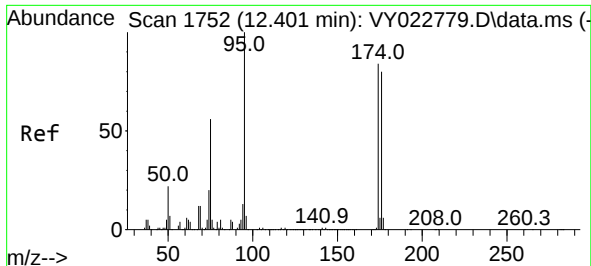
Tgt Ion: 92 Resp: 9075
Ion Ratio Lower Upper
92 100
91 174.9 139.0 208.4



#58
2-Chloroethyl Vinyl ether
Concen: 15.675 ug/l
RT: 9.749 min Scan# 1317
Delta R.T. 0.036 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

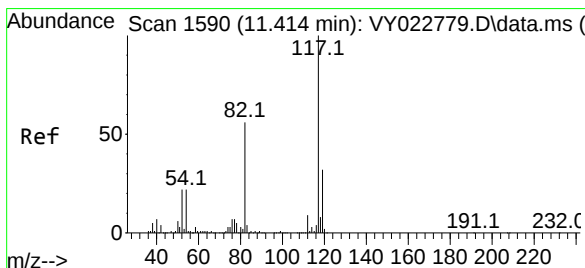
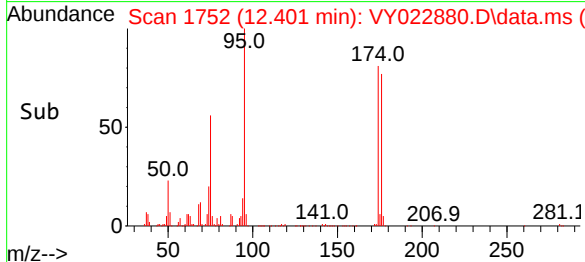
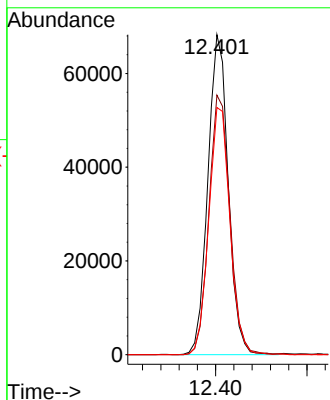
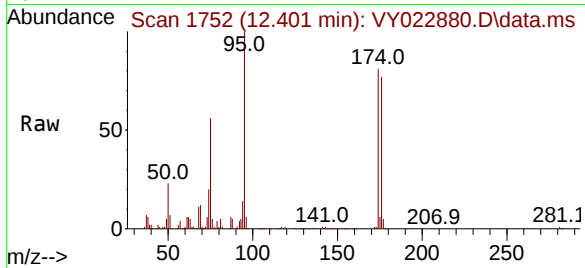




#62
4-Bromofluorobenzene
Concen: 51.934 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

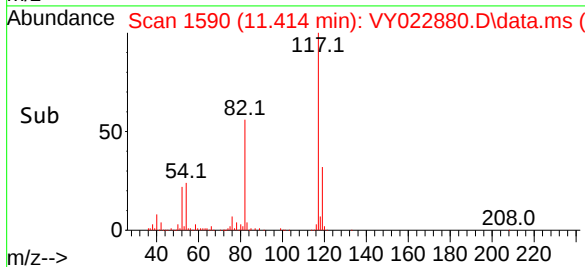
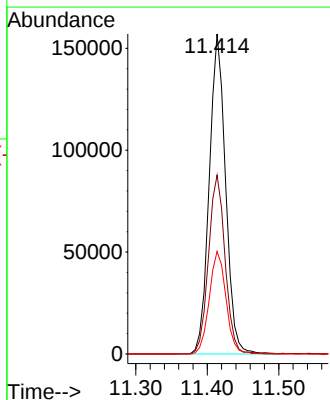
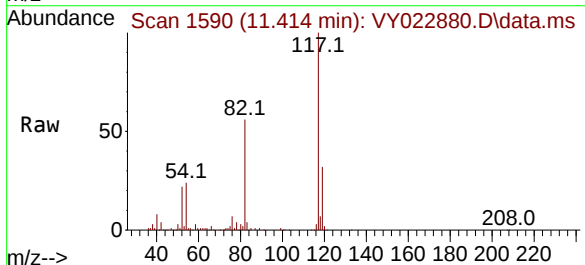
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-062725

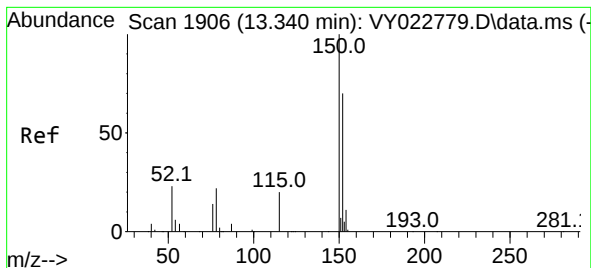
Tgt Ion:	95	Resp:	105264
Ion Ratio	Lower	Upper	
95	100		
174	84.1	0.0	170.0
176	80.5	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022880.D
Acq: 30 Jun 2025 15:15

Tgt Ion:	117	Resp:	248926
Ion Ratio	Lower	Upper	
117	100		
82	55.8	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# 1906

Delta R.T. -0.000 min

Lab File: VY022880.D

Acq: 30 Jun 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

OK-2-062725

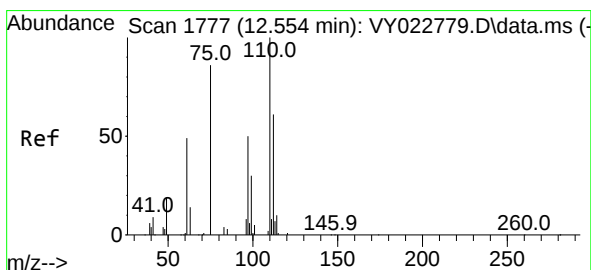
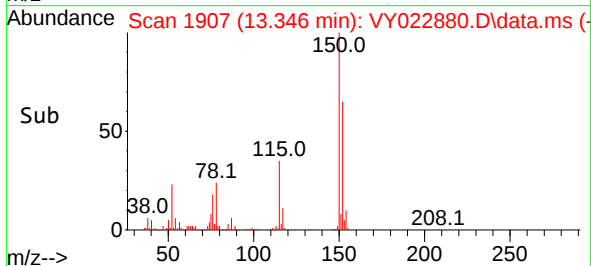
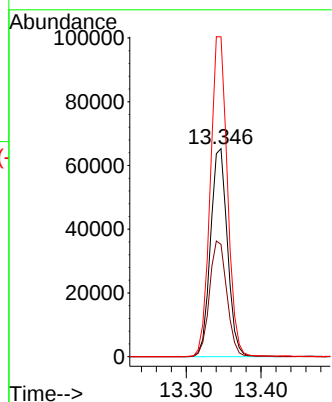
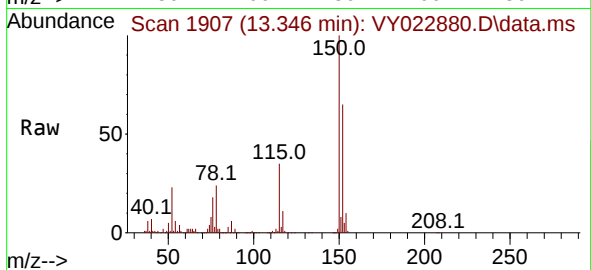
Tgt Ion:152 Resp: 102584

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

150 155.4 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 56.154 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022880.D

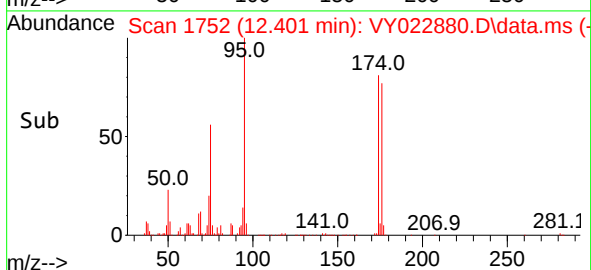
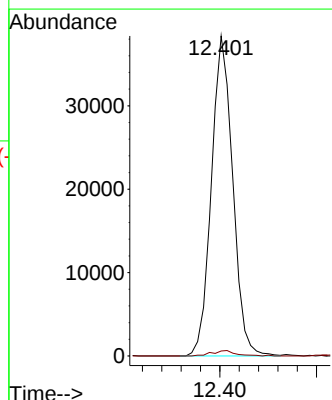
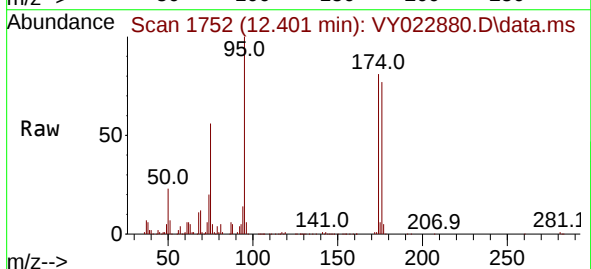
Acq: 30 Jun 2025 15:15

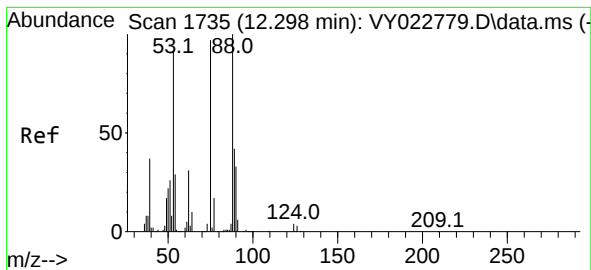
Tgt Ion: 75 Resp: 58810

Ion Ratio Lower Upper

75 100

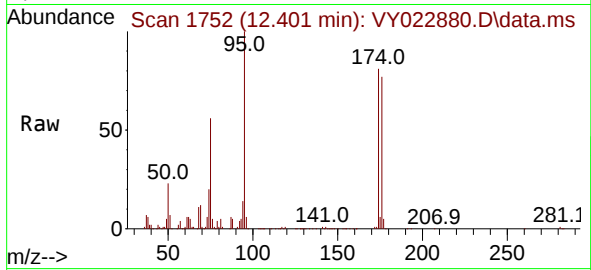
77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.867 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022880.D
 Acq: 30 Jun 2025 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-2-062725



Tgt Ion: 75 Resp: 58810
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 35.7 53.5#

