

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022973.D
 Acq On : 08 Jul 2025 14:16
 Operator : SY/MD
 Sample : Q2504-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOCRE

Quant Time: Jul 09 02:31:29 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)

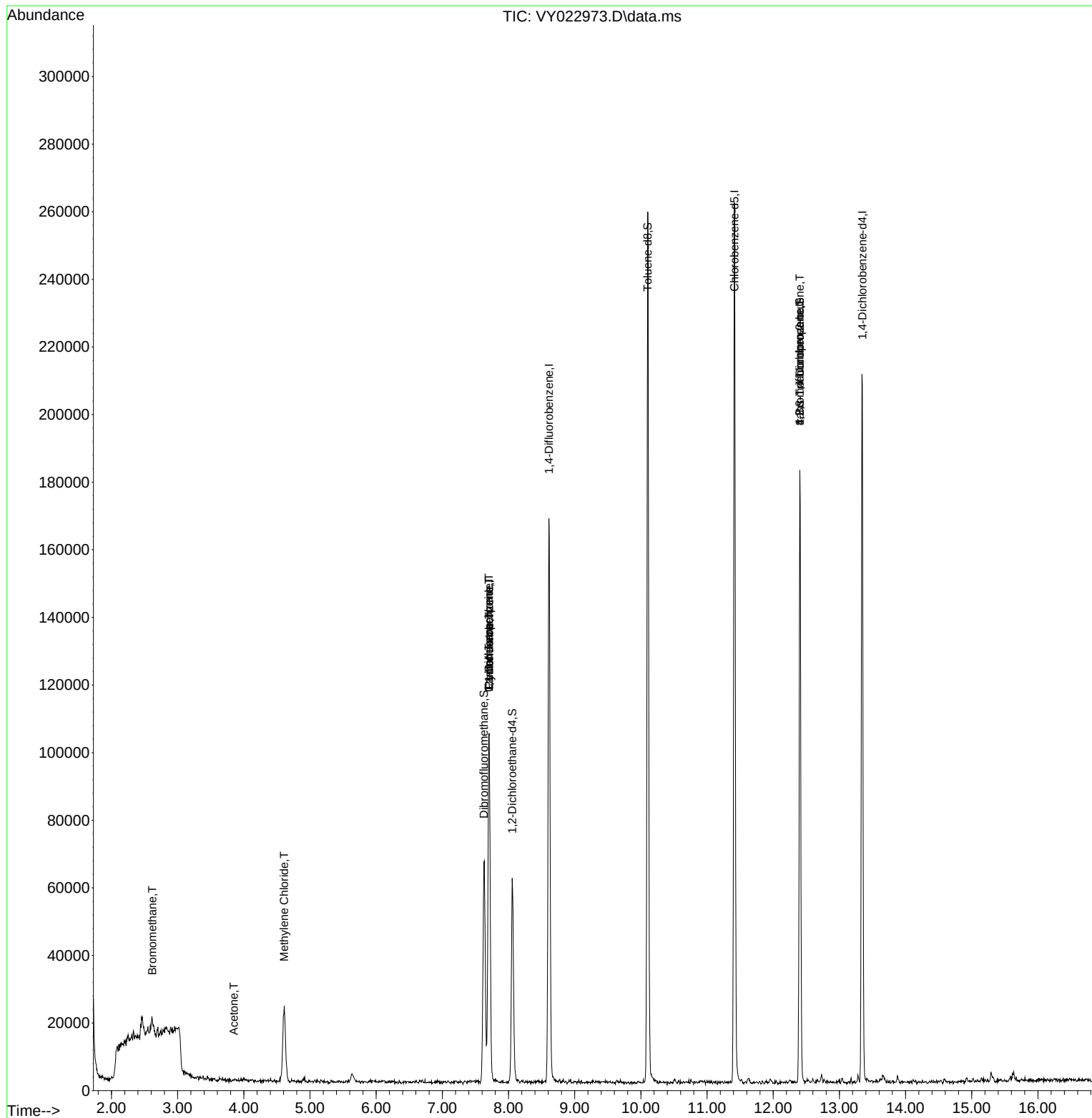
Internal Standards						
1) Pentafluorobenzene	7.707	168	80052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	140423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	132394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	52512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	47245	52.879	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.760%	
35) Dibromofluoromethane	7.628	113	46832	54.839	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.680%	
50) Toluene-d8	10.103	98	163694	48.305	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.620%	
62) 4-Bromofluorobenzene	12.401	95	53758	49.348	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.617	94	2634	2.052	ug/l	93
16) Acetone	3.848	43	275	1.628	ug/l #	45
20) Methylene Chloride	4.610	84	15613	14.640	ug/l	97
31) Cyclohexane	7.707	56	2151	1.402	ug/l #	43
36) 1,1-Dichloropropene	7.701	75	7444	5.751	ug/l #	50
38) Carbon Tetrachloride	7.701	117	8445	6.183	ug/l #	19
76) 1,2,3-Trichloropropane	12.401	75	30587	57.054	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	30587	144.142	ug/l #	10

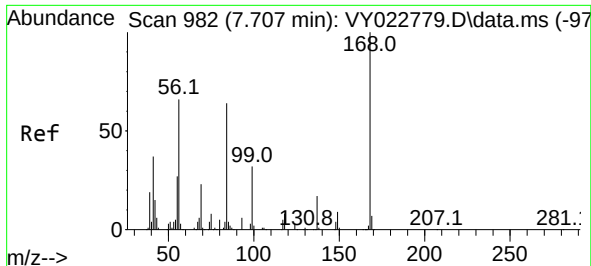
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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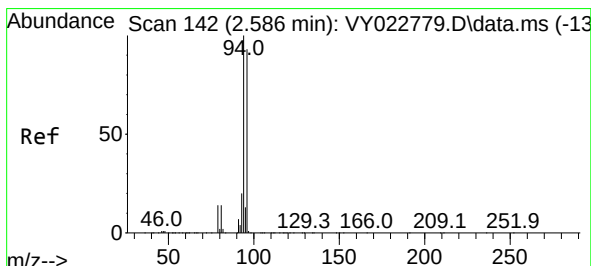
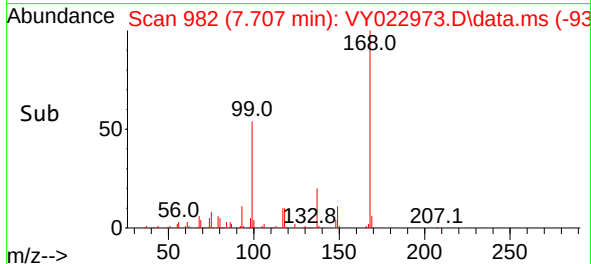
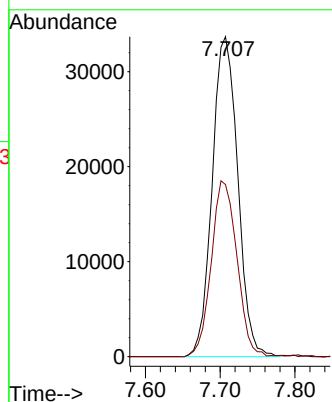
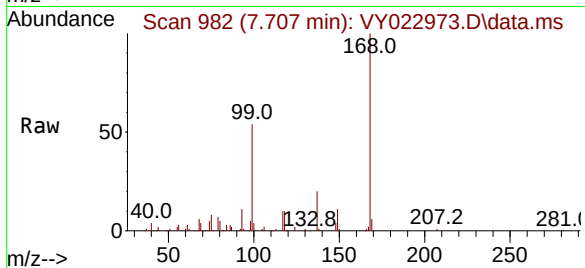




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

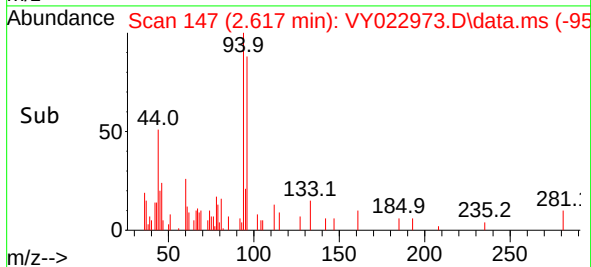
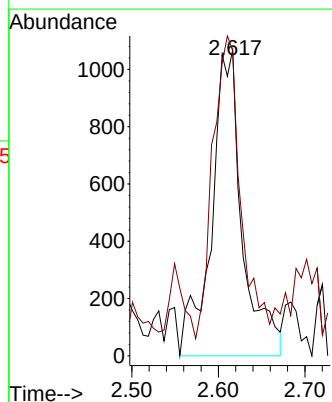
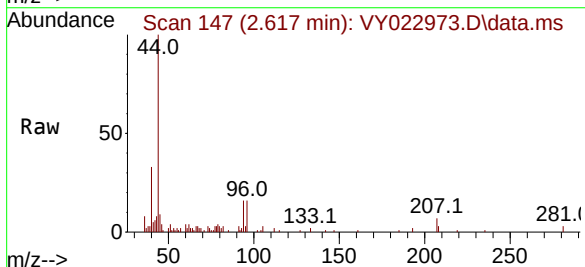
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

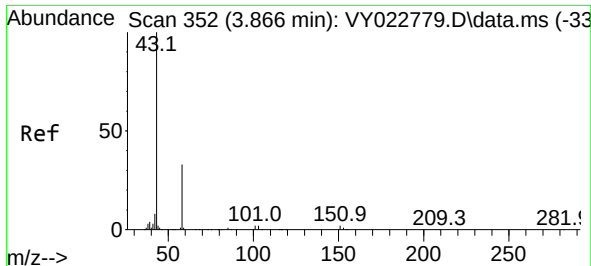
Tgt Ion:168 Resp: 80052
Ion Ratio Lower Upper
168 100
99 53.8 44.3 66.5



#5
Bromomethane
Concen: 2.052 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.018 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

Tgt Ion: 94 Resp: 2634
Ion Ratio Lower Upper
94 100
96 86.0 74.0 111.0

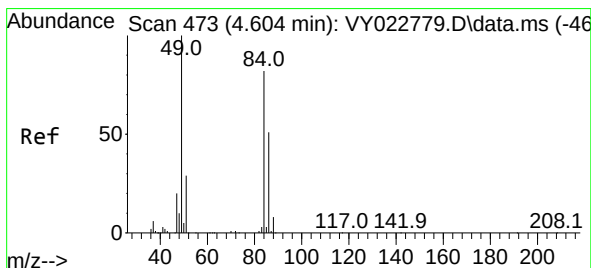
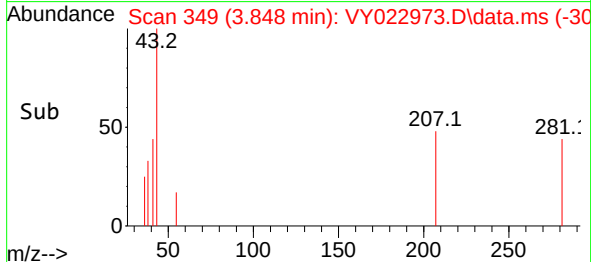
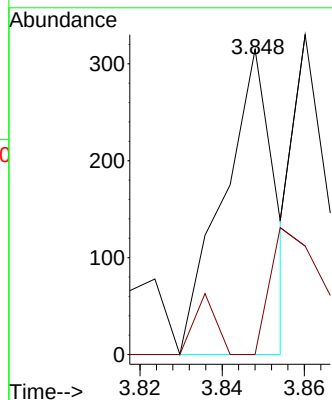
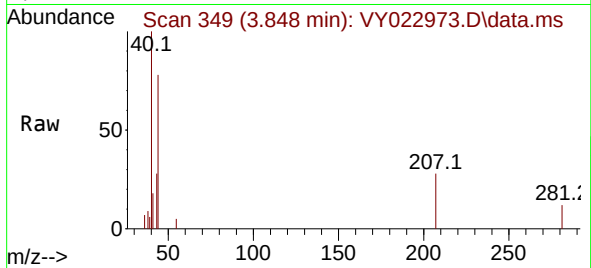




#16
Acetone
Concen: 1.628 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.031 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

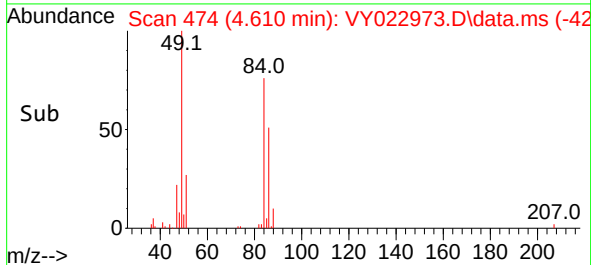
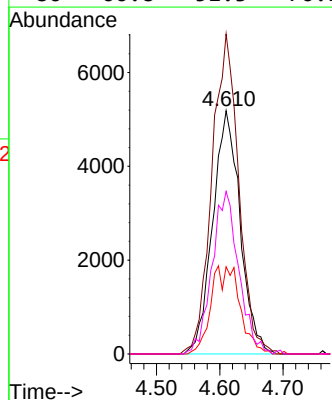
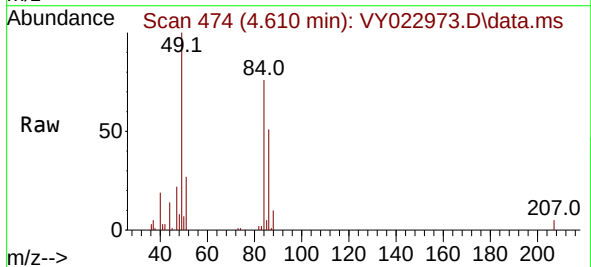
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

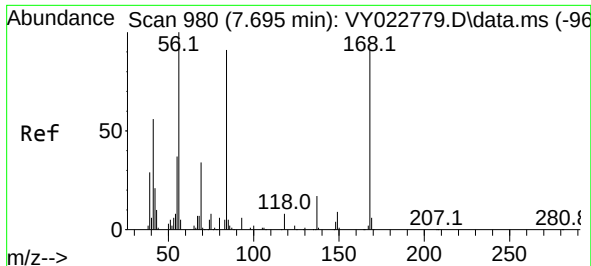
Tgt Ion: 43 Resp: 275
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



#20
Methylene Chloride
Concen: 14.640 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

Tgt Ion: 84 Resp: 15613
Ion Ratio Lower Upper
84 100
49 131.5 101.9 152.9
51 35.8 29.8 44.8
86 66.8 51.3 76.9

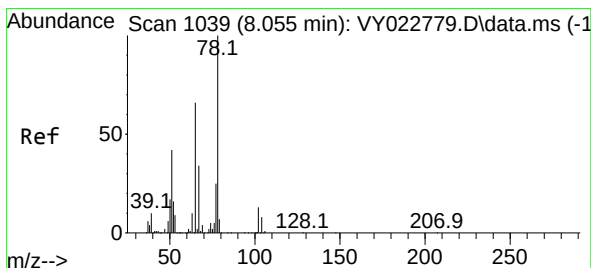
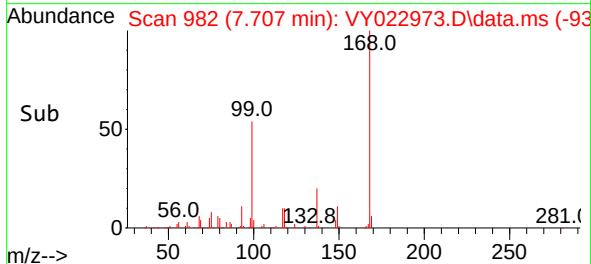
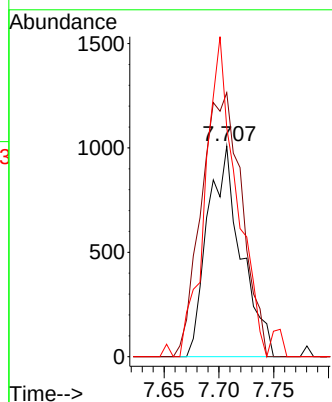
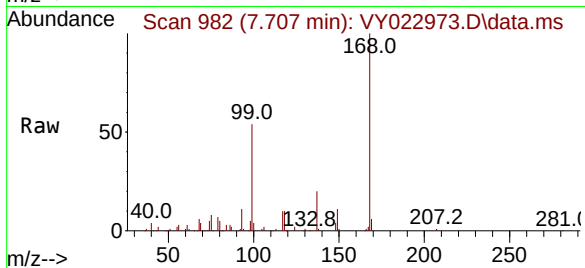




#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.707 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

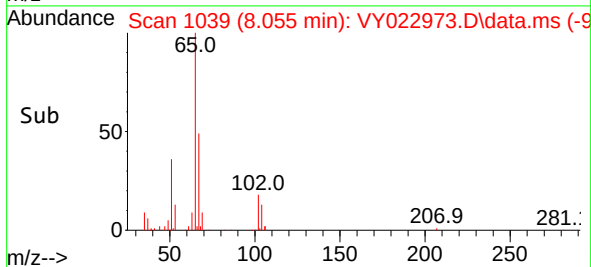
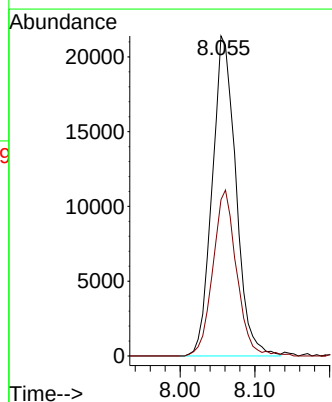
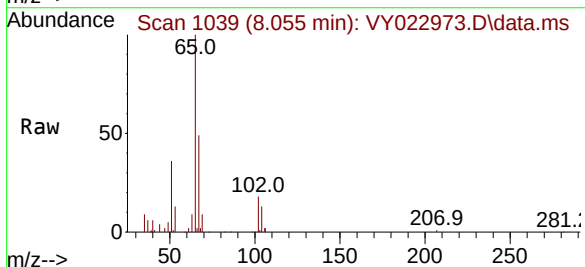
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

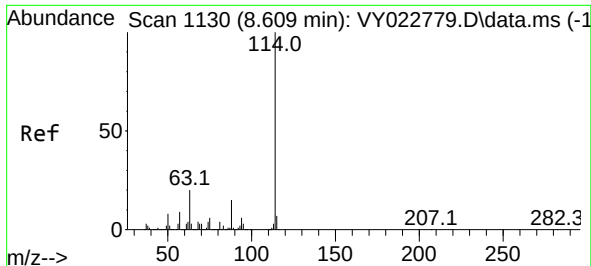
Tgt Ion: 56 Resp: 2151
Ion Ratio Lower Upper
56 100
69 125.4 27.0 40.6#
84 108.6 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 52.879 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

Tgt Ion: 65 Resp: 47245
Ion Ratio Lower Upper
65 100
67 51.9 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: VY022973.D

Acq: 08 Jul 2025 14:16

Instrument :

MSVOA_Y

ClientSampleId :

VOCRE

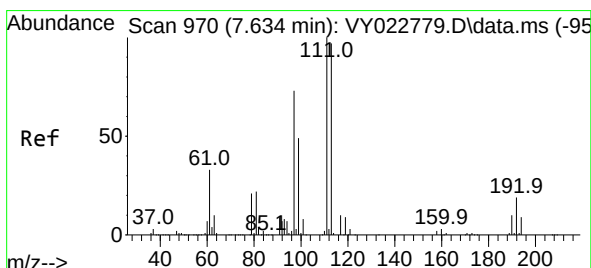
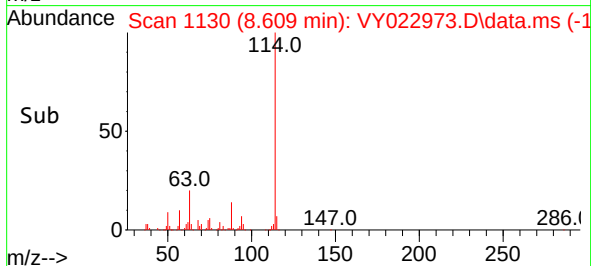
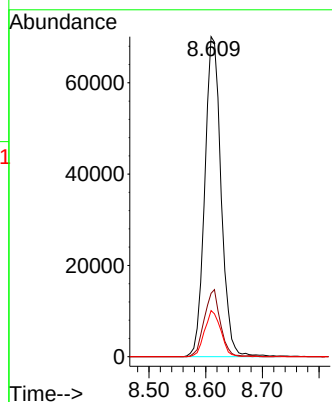
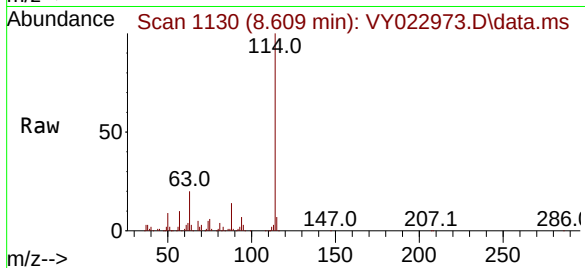
Tgt Ion:114 Resp: 140423

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 14.4 0.0 27.8



#35

Dibromofluoromethane

Concen: 54.839 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022973.D

Acq: 08 Jul 2025 14:16

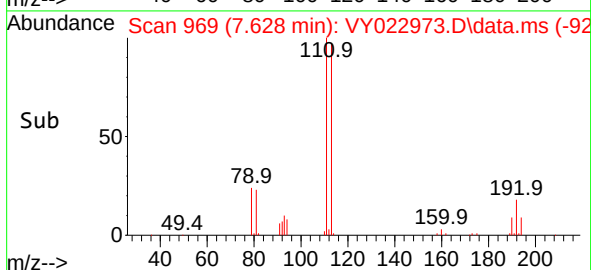
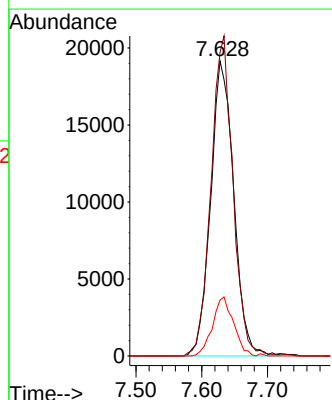
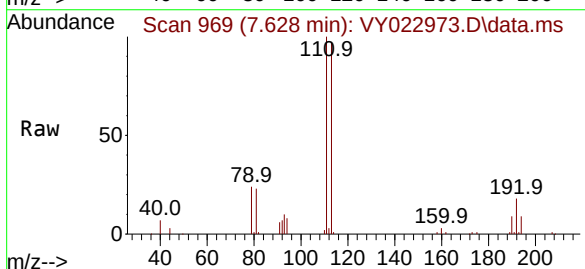
Tgt Ion:113 Resp: 46832

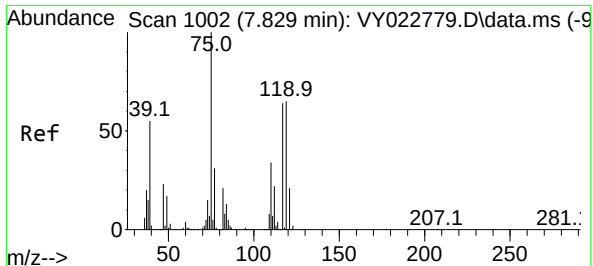
Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 18.1 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.751 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022973.D

Acq: 08 Jul 2025 14:16

Instrument :

MSVOA_Y

ClientSampleId :

VOCRE

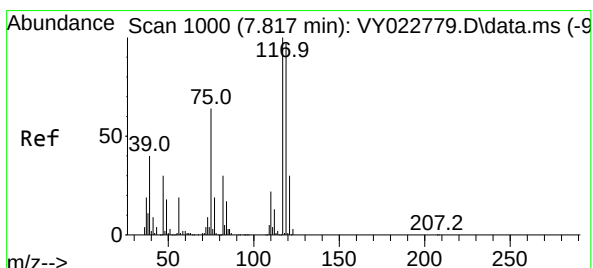
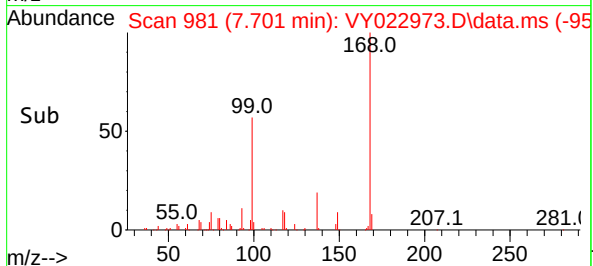
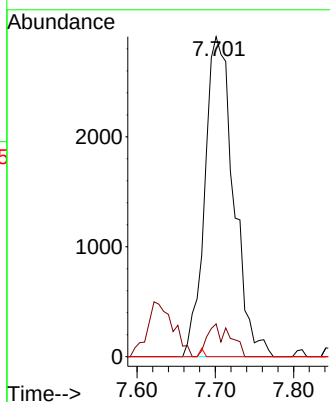
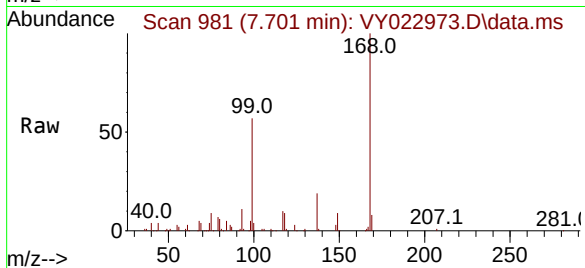
Tgt Ion: 75 Resp: 7444

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.7#

77 0.4 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.183 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY022973.D

Acq: 08 Jul 2025 14:16

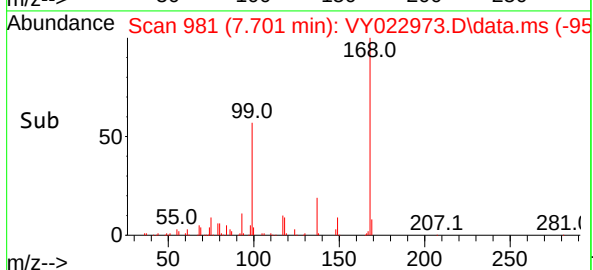
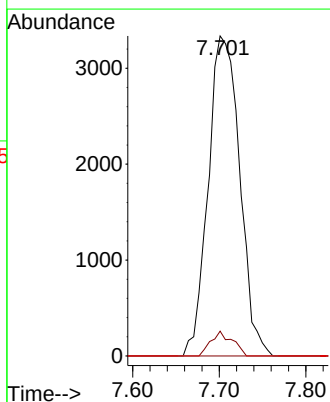
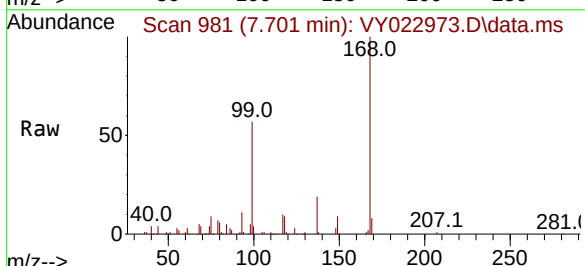
Tgt Ion: 117 Resp: 8445

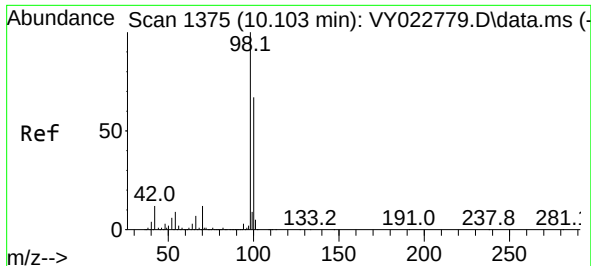
Ion Ratio Lower Upper

117 100

119 7.8 75.0 112.6#

121 0.0 25.0 37.4#

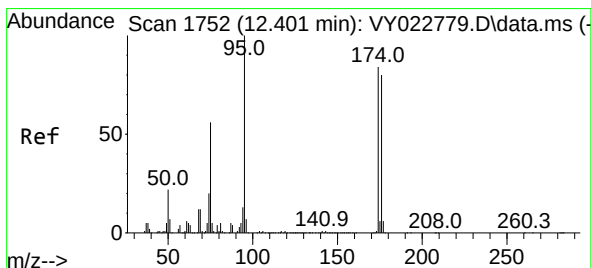
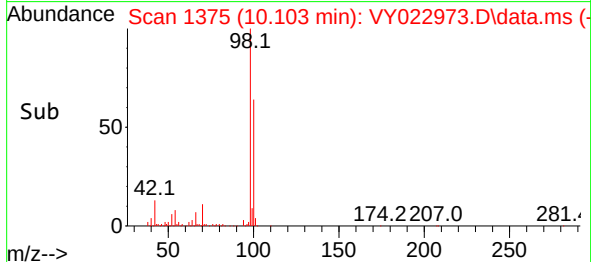
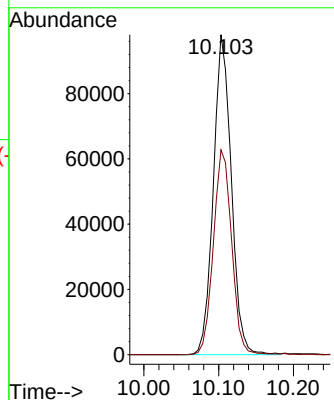
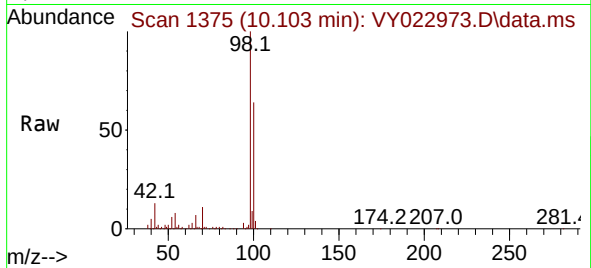




#50
Toluene-d8
Concen: 48.305 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

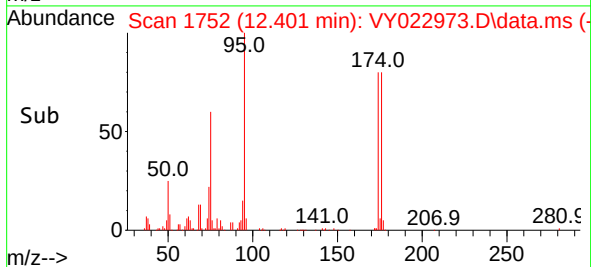
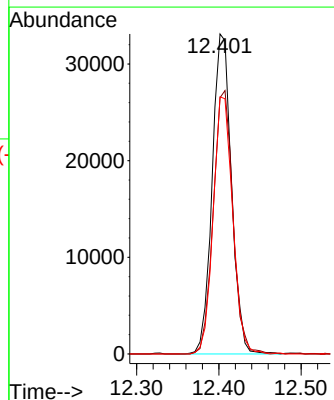
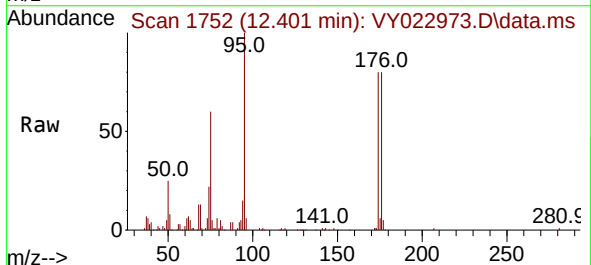
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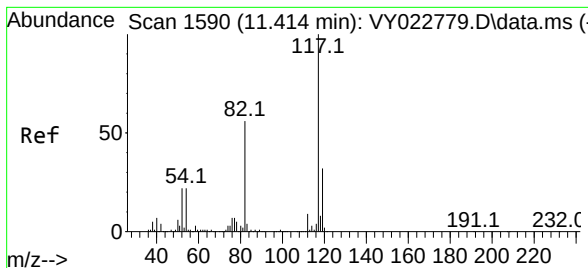
Tgt Ion: 98 Resp: 163694
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 49.348 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

Tgt Ion: 95 Resp: 53758
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.0
176 81.3 0.0 166.2

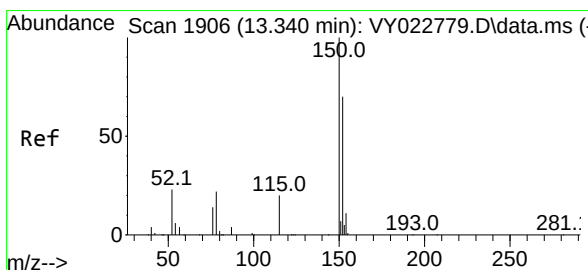
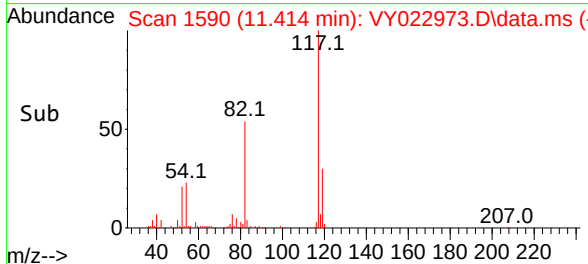
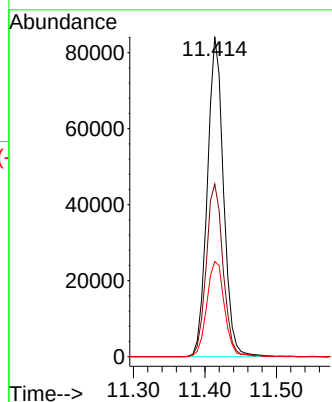
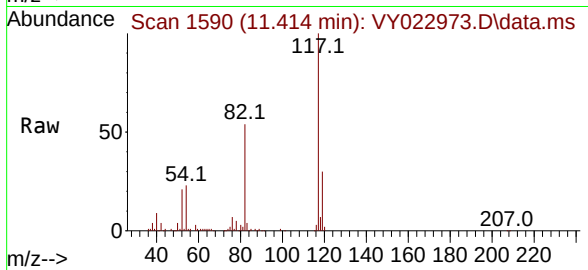




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

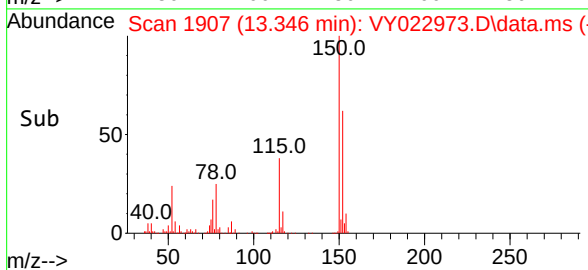
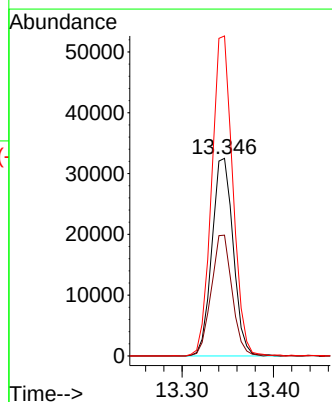
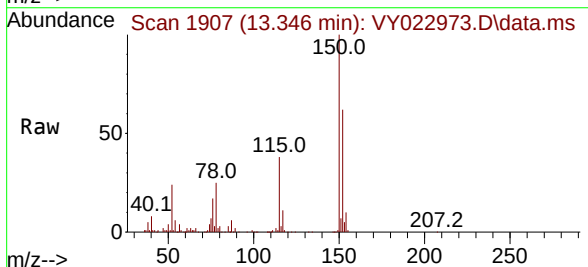
Instrument :
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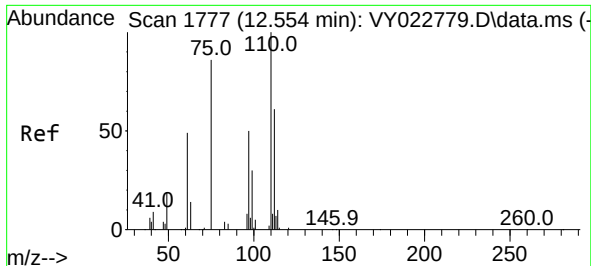
Tgt Ion:117 Resp: 132394
Ion Ratio Lower Upper
117 100
82 54.0 44.6 66.8
119 29.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

Tgt Ion:152 Resp: 52512
Ion Ratio Lower Upper
152 100
115 59.8 28.9 86.7
150 160.5 0.0 349.6

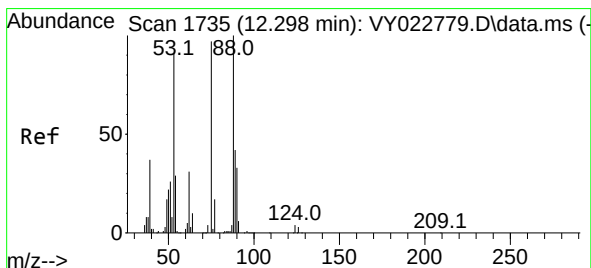
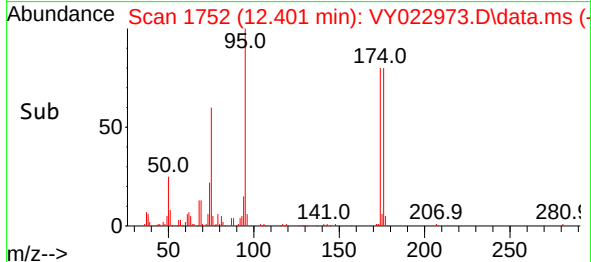
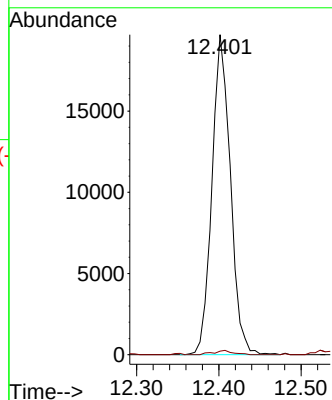
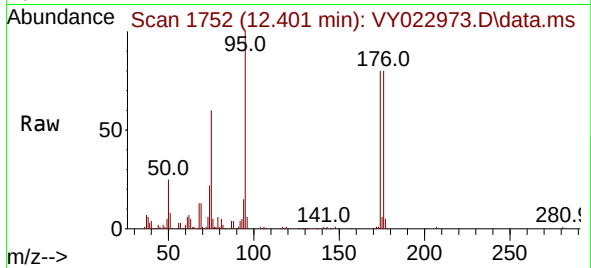




#76
1,2,3-Trichloropropane
Concen: 57.054 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

Tgt Ion: 75 Resp: 30587
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.142 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022973.D
Acq: 08 Jul 2025 14:16

Tgt Ion: 75 Resp: 30587
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.1 35.7 53.5#

