

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022969.D
 Acq On : 08 Jul 2025 11:44
 Operator : SY/MD
 Sample : VY0708SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0708SBL01

Quant Time: Jul 09 02:29:10 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)

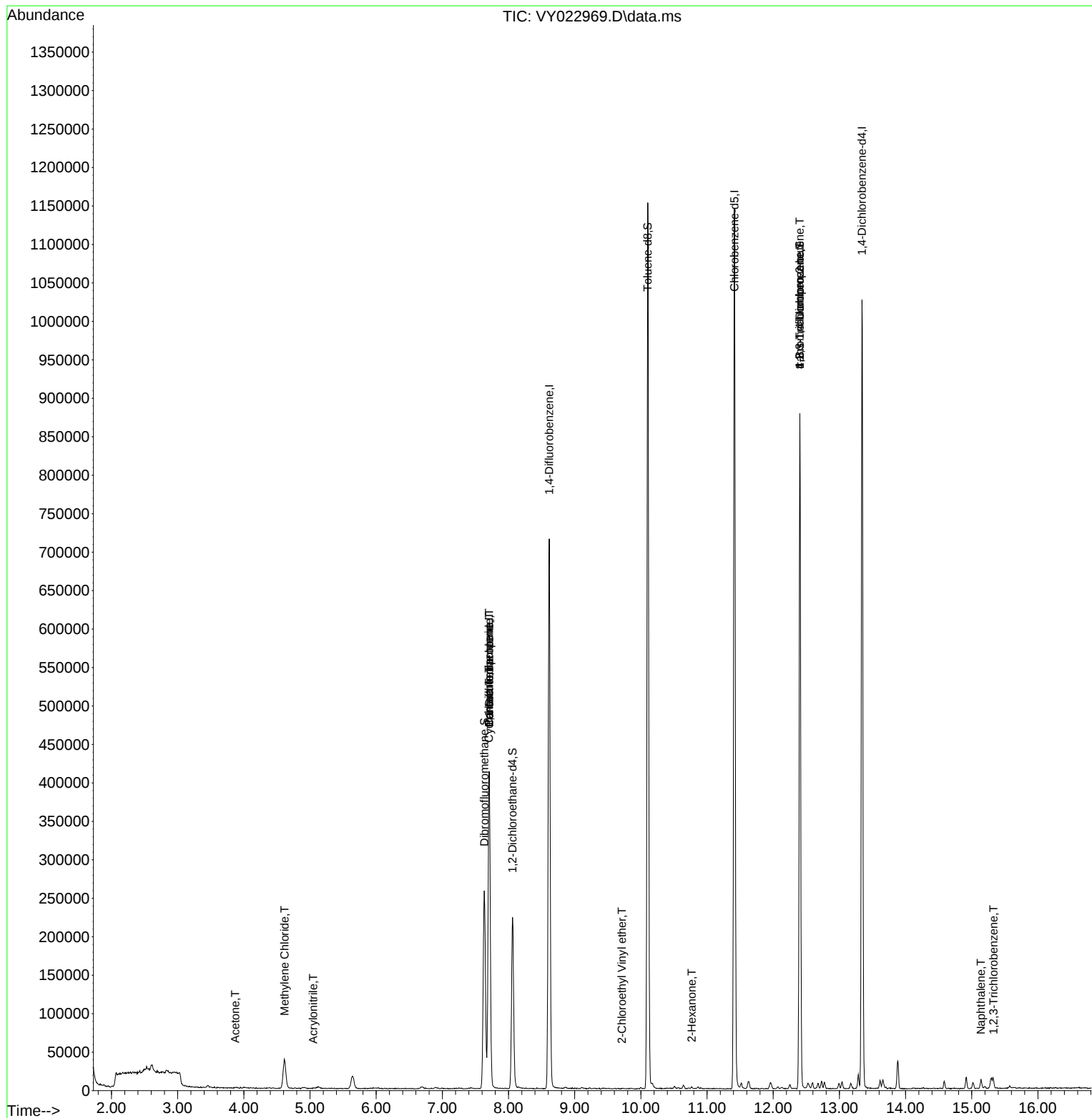
Internal Standards						
1) Pentafluorobenzene	7.707	168	314896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	593436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	582188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	250516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174625	49.686	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.380%
35) Dibromofluoromethane	7.634	113	184653	51.165	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.320%
50) Toluene-d8	10.103	98	727091	50.771	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.540%
62) 4-Bromofluorobenzene	12.402	95	252518	54.851	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.700%
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.049	53	866	1.181	ug/l #	17
16) Acetone	3.873	43	982	1.478	ug/l #	79
20) Methylene Chloride	4.616	84	26702	6.365	ug/l	94
31) Cyclohexane	7.701	56	8459	1.401	ug/l #	38
36) 1,1-Dichloropropene	7.707	75	27568	5.040	ug/l #	50
38) Carbon Tetrachloride	7.707	117	32302	5.596	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.713	63	251	15.770	ug/l #	48
59) 2-Hexanone	10.768	43	1815	1.071	ug/l	92
76) 1,2,3-Trichloropropane	12.402	75	143554	56.129	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	143554	141.805	ug/l #	11
95) Naphthalene	15.139	128	9243	1.218	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	3876	1.069	ug/l	96

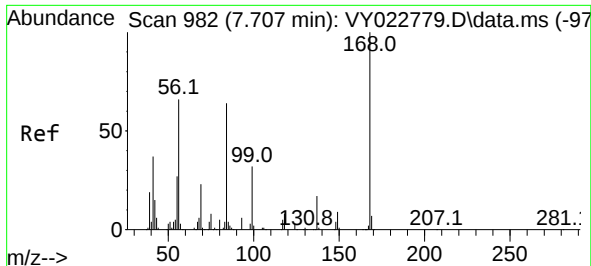
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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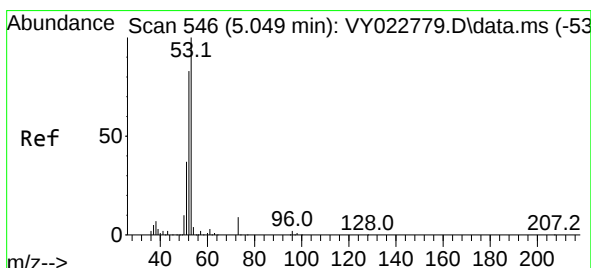
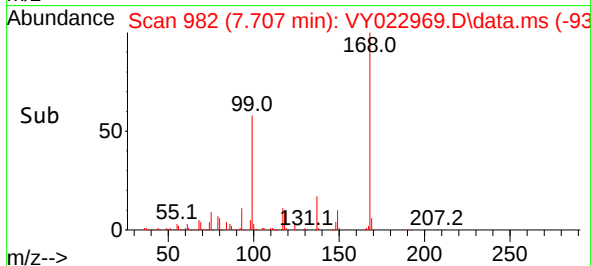
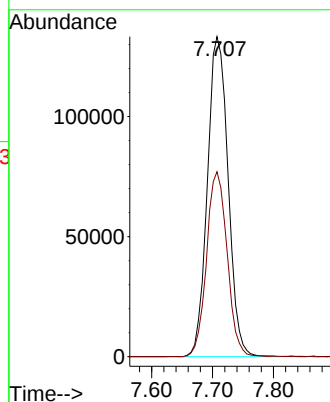
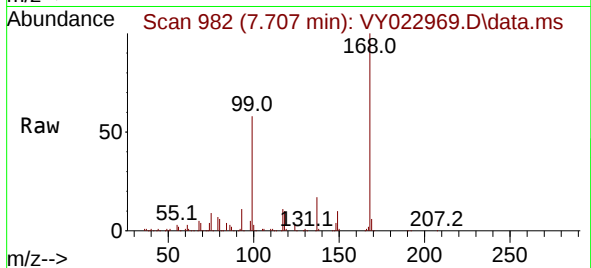




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

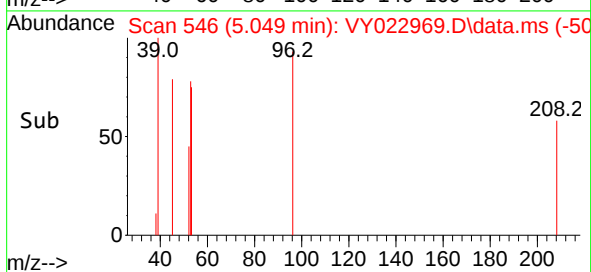
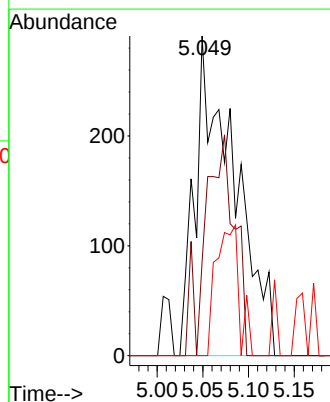
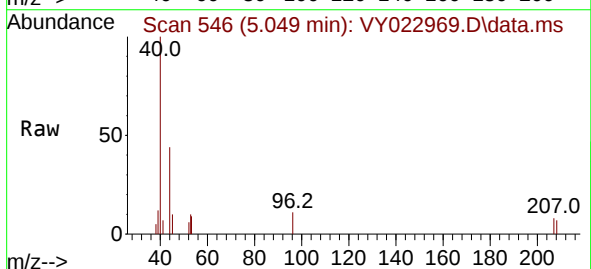
Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

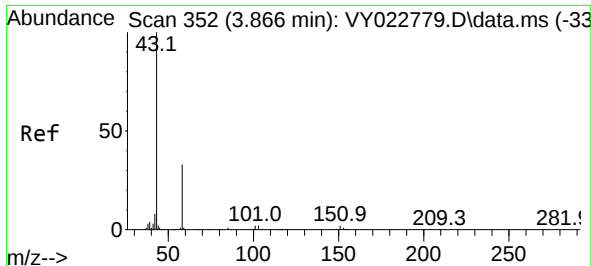
Tgt Ion:168 Resp: 314896
Ion Ratio Lower Upper
168 100
99 57.8 44.3 66.5



#15
Acrylonitrile
Concen: 1.181 ug/l
RT: 5.049 min Scan# 546
Delta R.T. -0.018 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 53 Resp: 866
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 0.0 30.1 45.1#

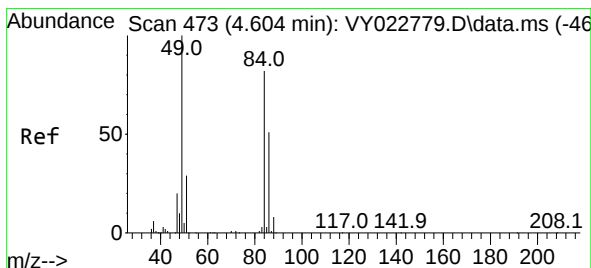
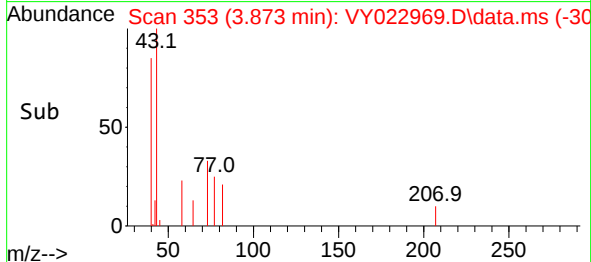
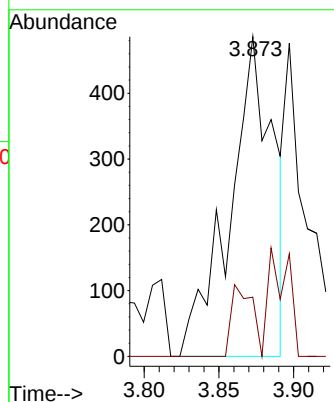
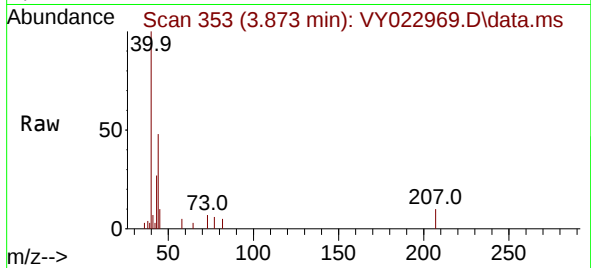




#16
Acetone
Concen: 1.478 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

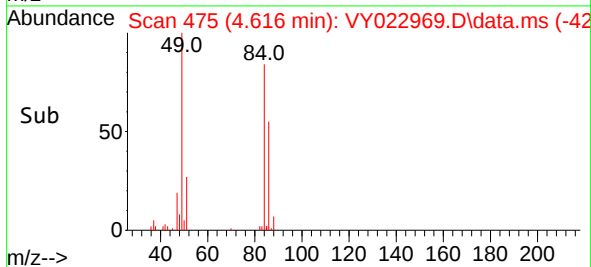
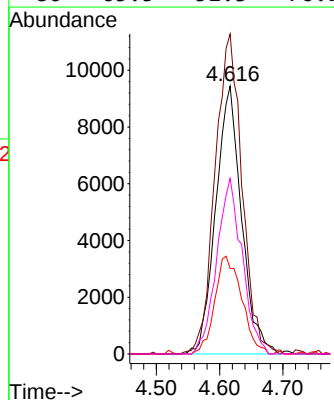
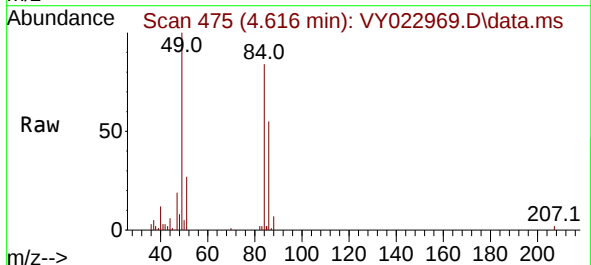
Instrument :
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ClientSampleId :
VY0708SBL01

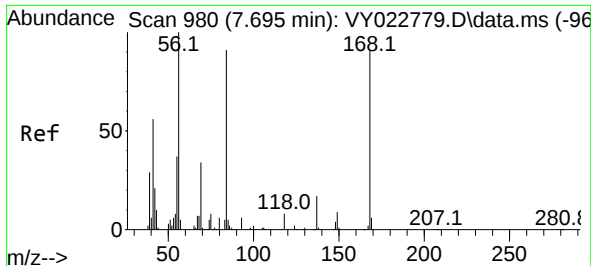
Tgt Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
58 18.5 24.0 36.0#



#20
Methylene Chloride
Concen: 6.365 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 84 Resp: 26702
Ion Ratio Lower Upper
84 100
49 119.5 101.9 152.9
51 32.0 29.8 44.8
86 65.5 51.3 76.9

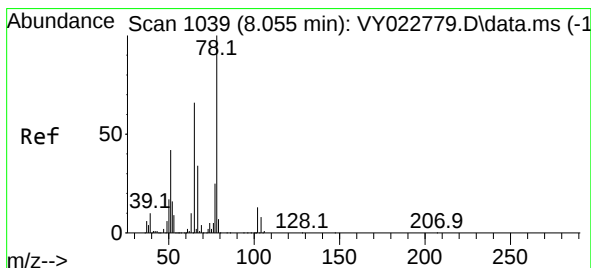
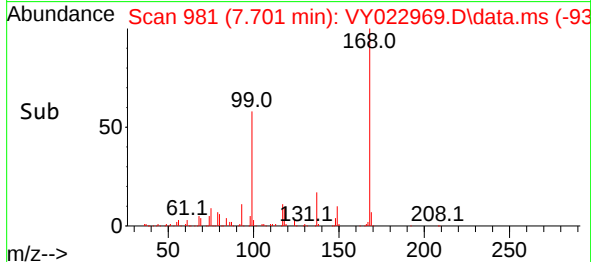
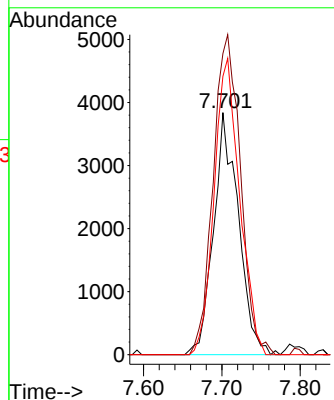
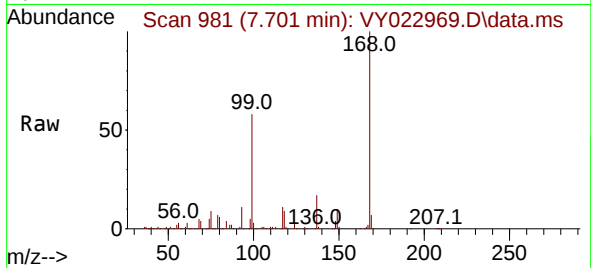




#31
Cyclohexane
Concen: 1.401 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

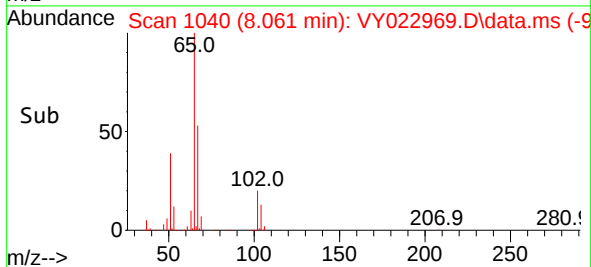
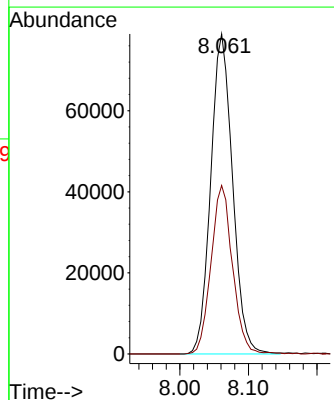
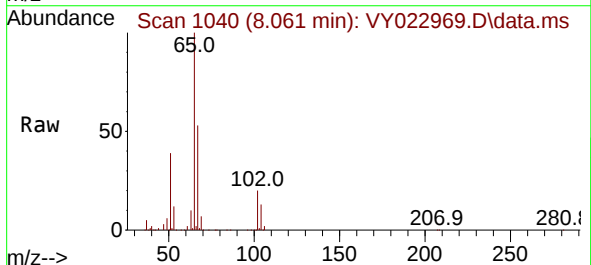
Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

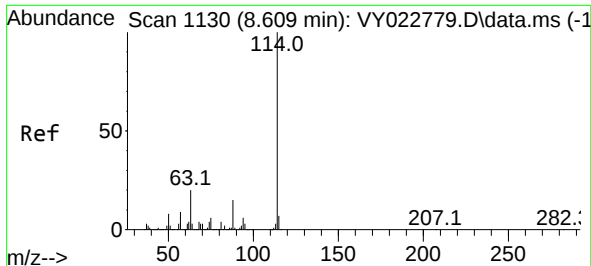
Tgt Ion: 56 Resp: 8459
Ion Ratio Lower Upper
56 100
69 124.4 27.0 40.6#
84 115.0 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 49.686 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 65 Resp: 174625
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4

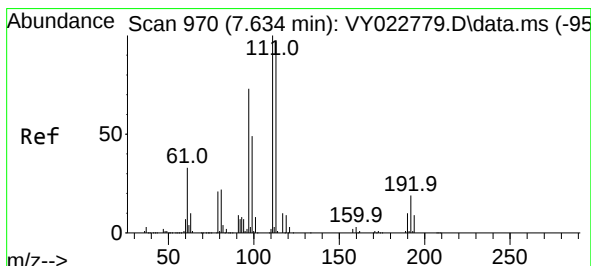
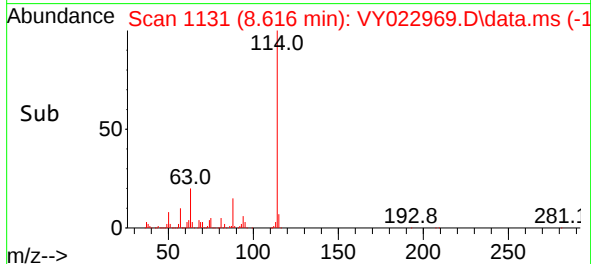
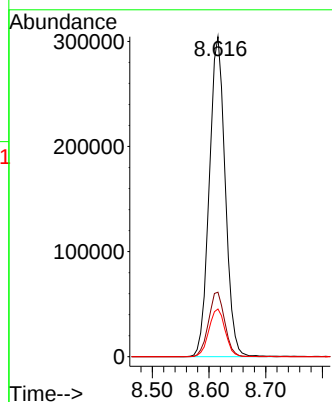
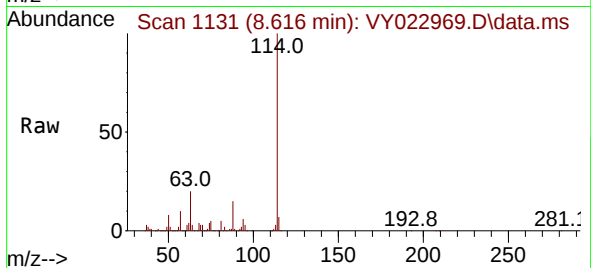




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

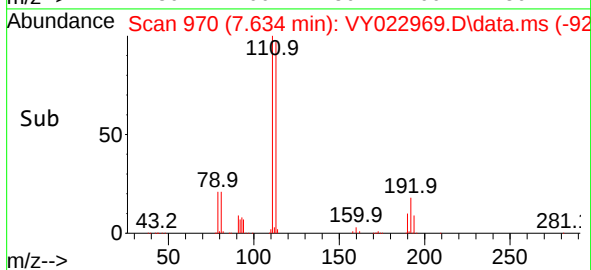
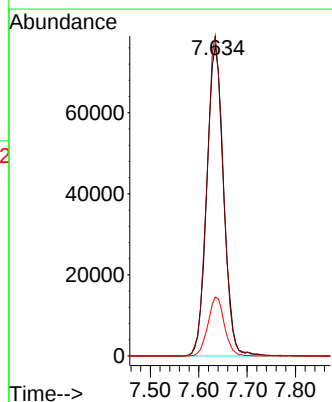
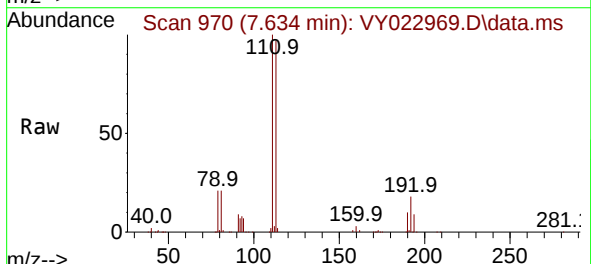
Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

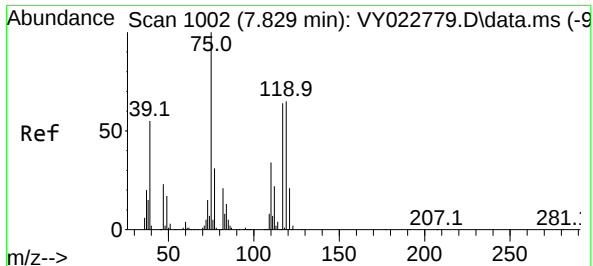
Tgt Ion:114 Resp: 593436
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 14.9 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.165 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion:113 Resp: 184653
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 18.6 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.040 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022969.D

Acq: 08 Jul 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0708SBL01

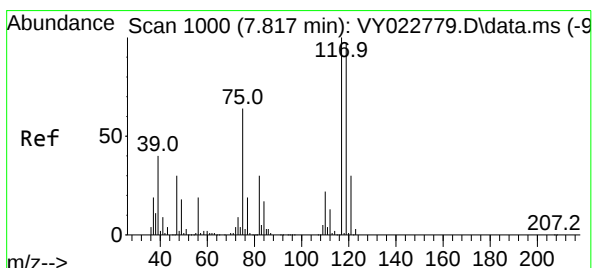
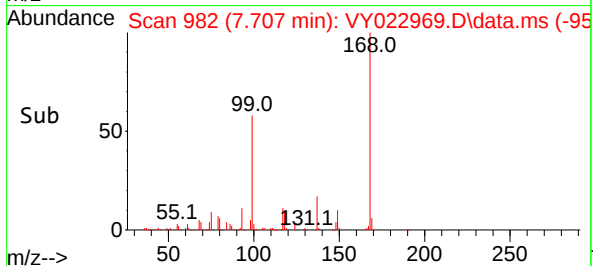
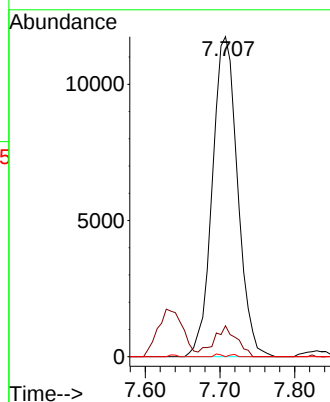
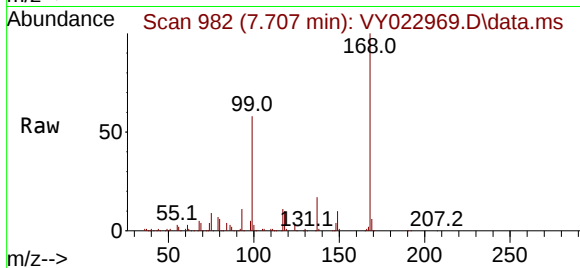
Tgt Ion: 75 Resp: 27568

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.7#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.596 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022969.D

Acq: 08 Jul 2025 11:44

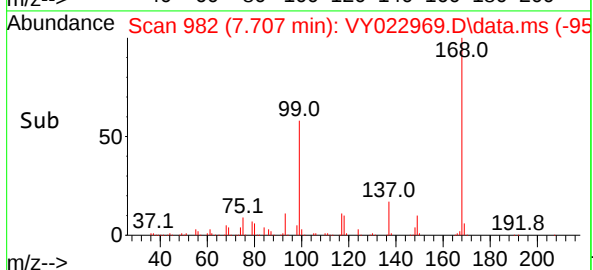
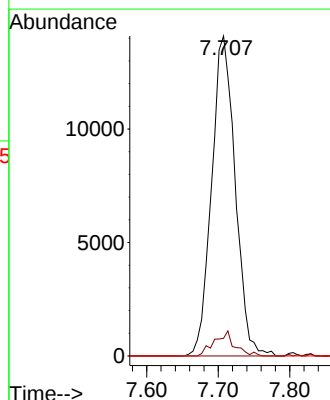
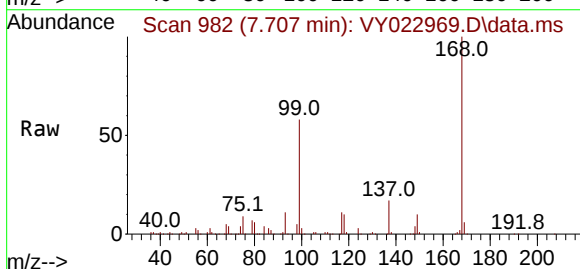
Tgt Ion: 117 Resp: 32302

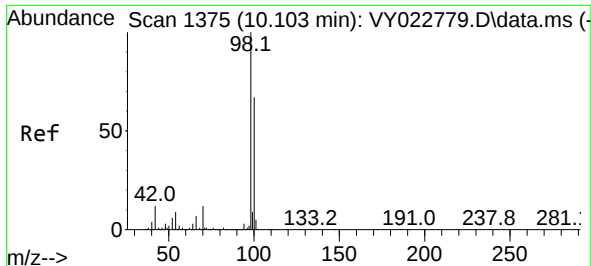
Ion Ratio Lower Upper

117 100

119 5.5 75.0 112.6#

121 0.0 25.0 37.4#

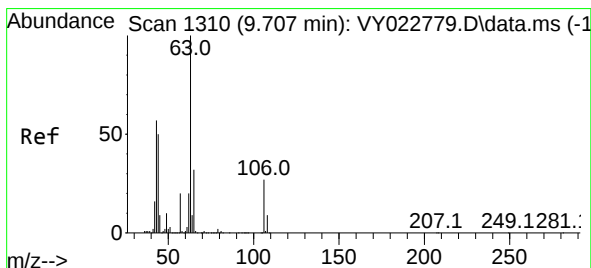
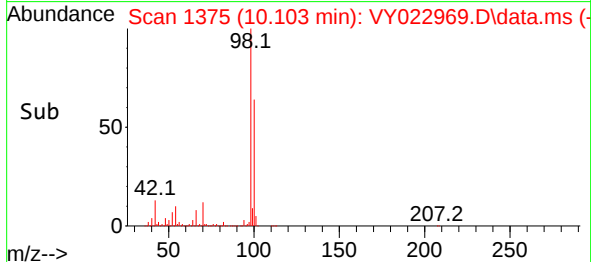
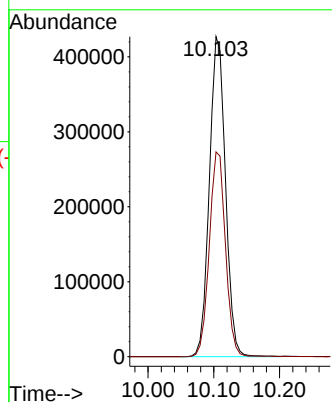
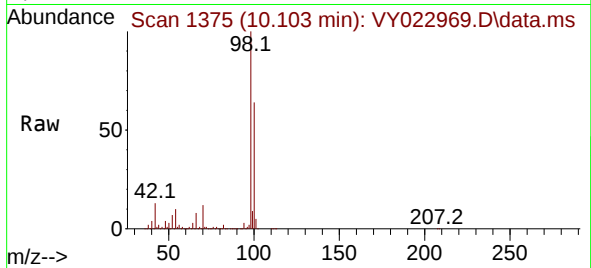




#50
Toluene-d8
Concen: 50.771 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

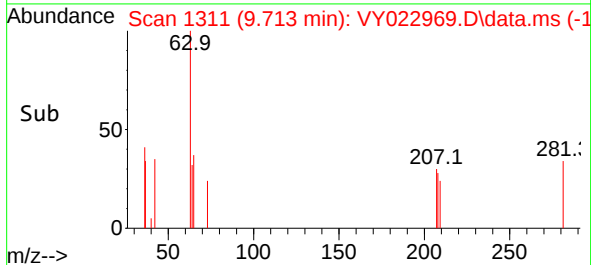
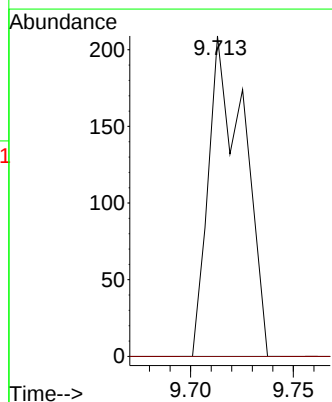
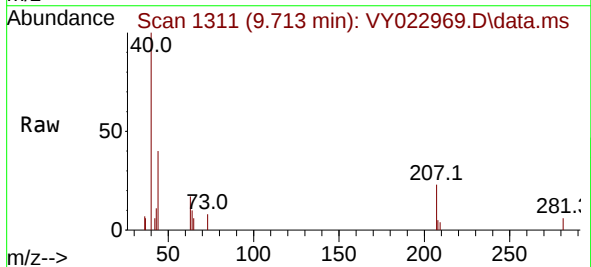
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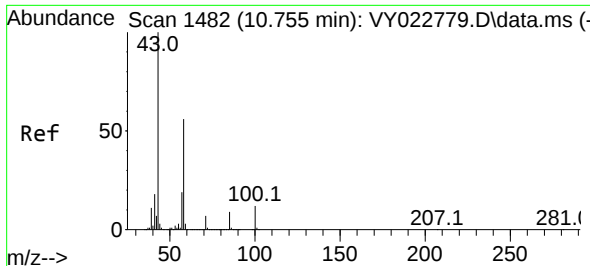
Tgt Ion: 98 Resp: 727091
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.770 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 63 Resp: 251
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4

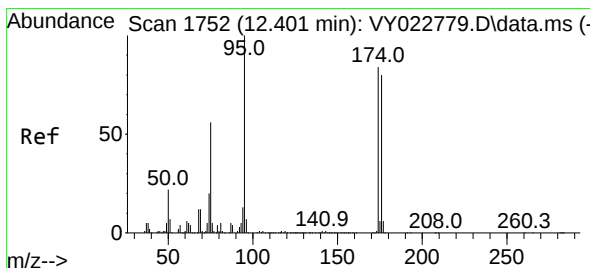
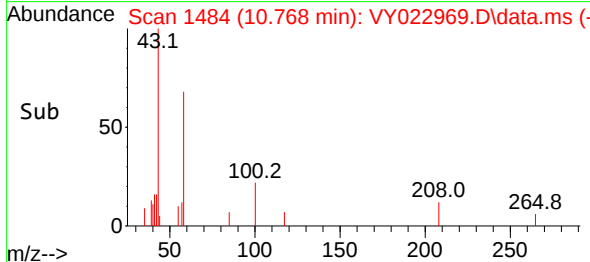
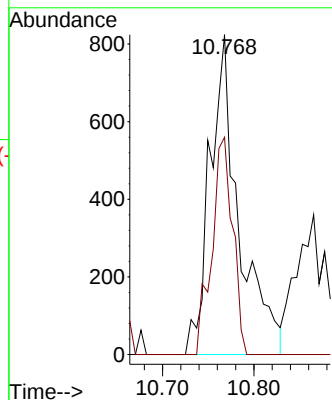
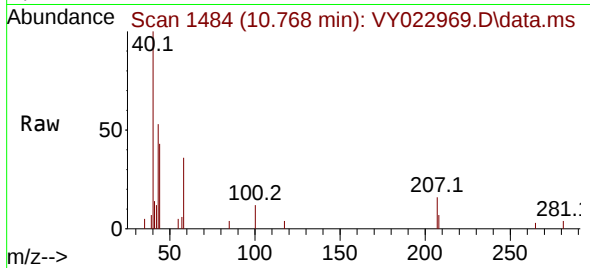




#59
2-Hexanone
Concen: 1.071 ug/l
RT: 10.768 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

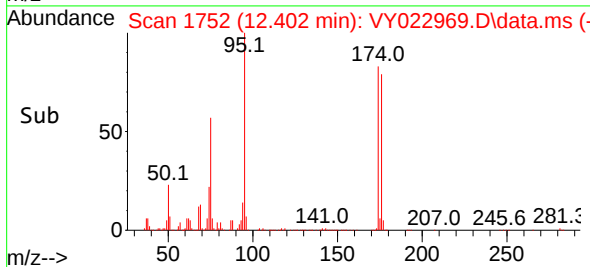
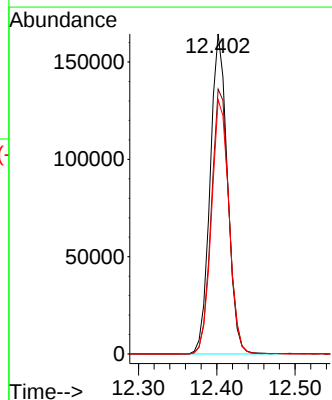
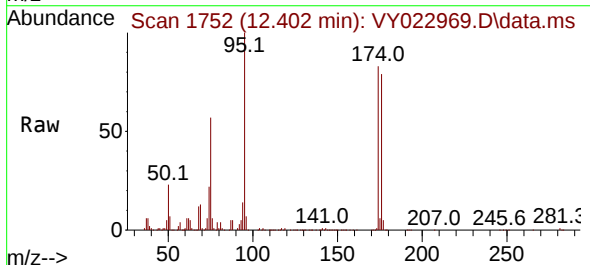
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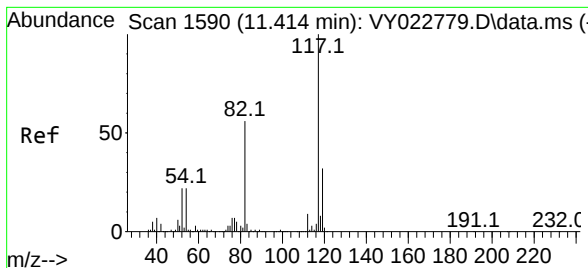
Tgt Ion: 43 Resp: 1815
Ion Ratio Lower Upper
43 100
58 48.9 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 54.851 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 95 Resp: 252518
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.0
176 80.4 0.0 166.2

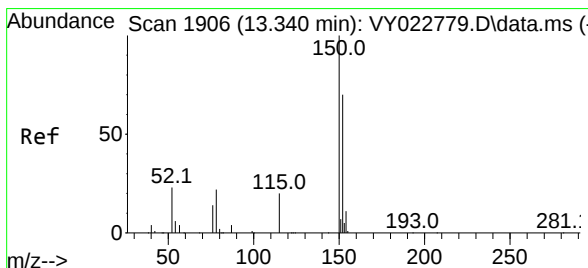
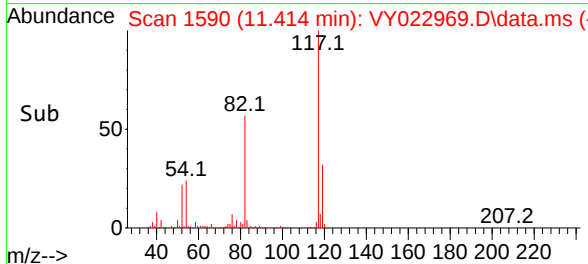
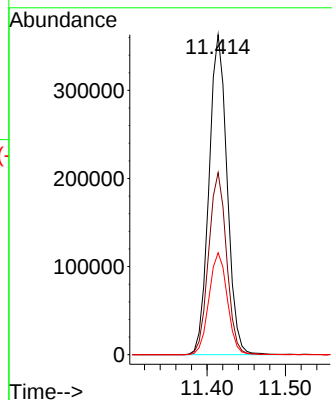
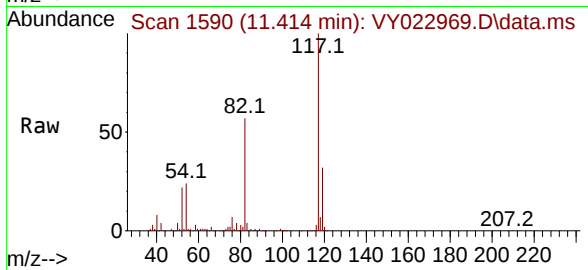




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

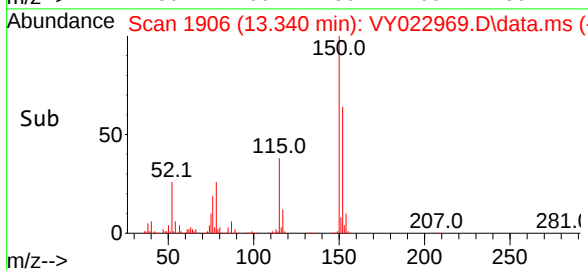
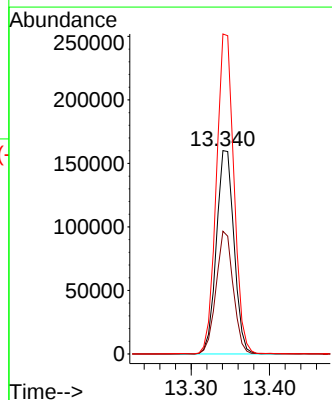
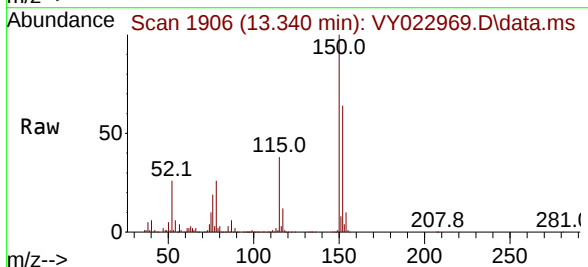
Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

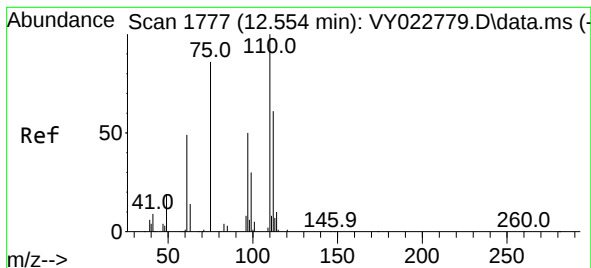
Tgt Ion:117 Resp: 582188
Ion Ratio Lower Upper
117 100
82 56.9 44.6 66.8
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion:152 Resp: 250516
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.7
150 156.5 0.0 349.6

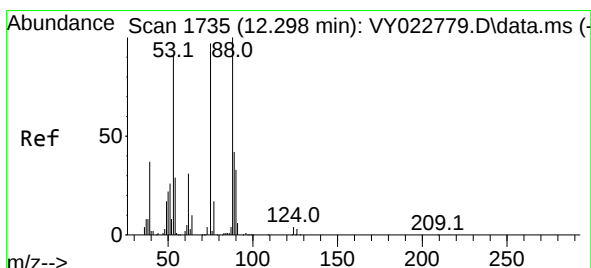
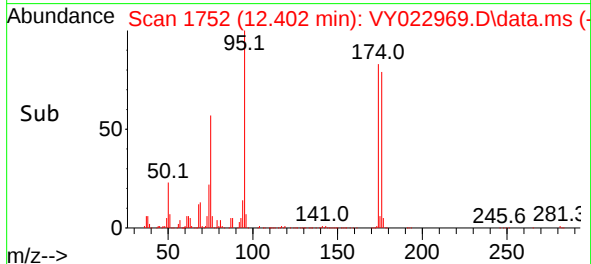
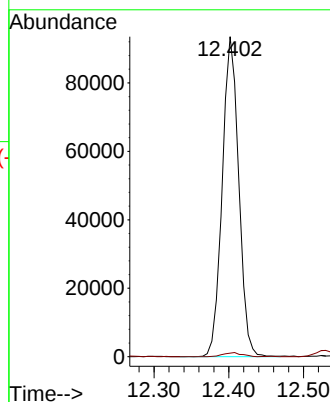
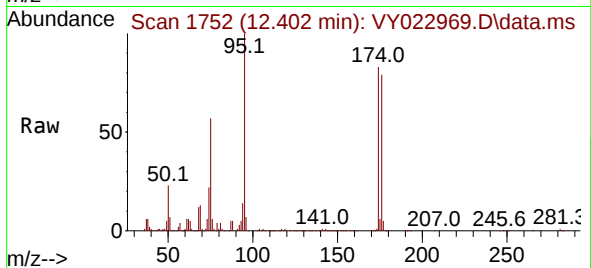




#76
 1,2,3-Trichloropropane
 Concen: 56.129 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022969.D
 Acq: 08 Jul 2025 11:44

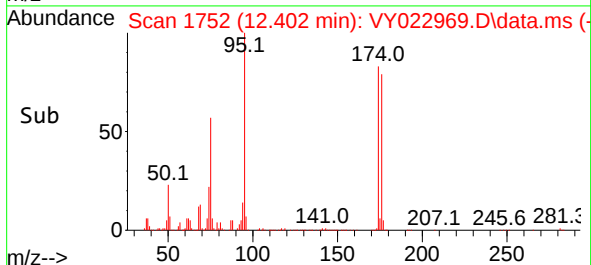
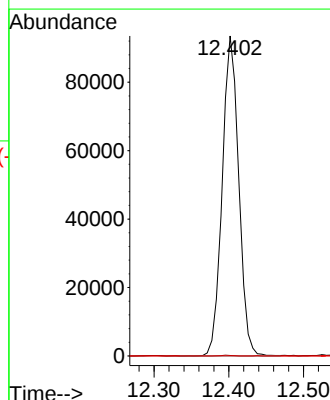
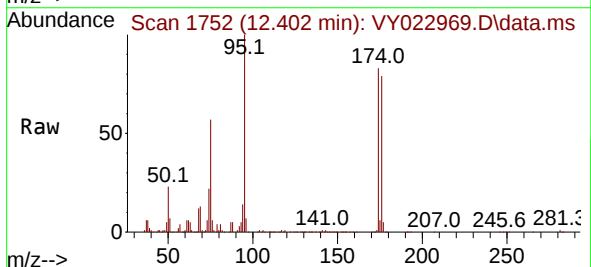
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0708SBL01

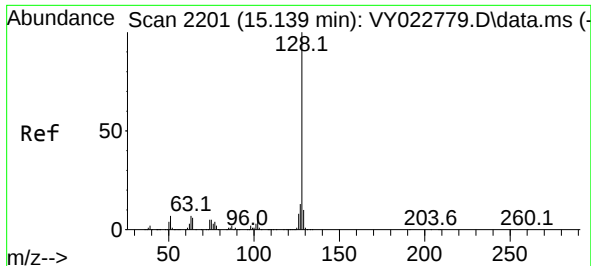
Tgt Ion: 75 Resp: 143554
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.805 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.098 min
 Lab File: VY022969.D
 Acq: 08 Jul 2025 11:44

Tgt Ion: 75 Resp: 143554
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 35.7 53.5#

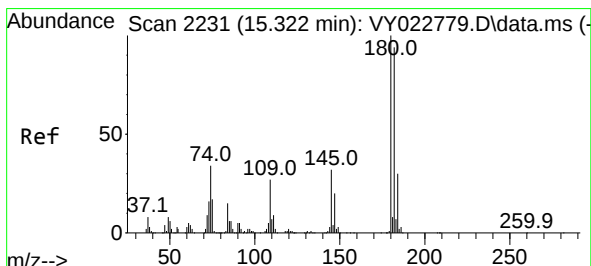
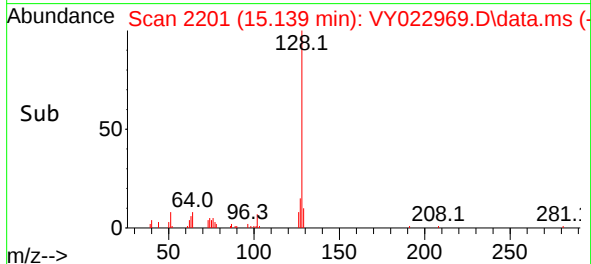
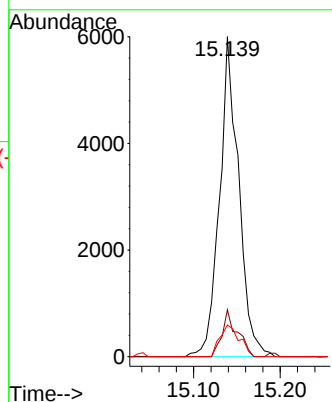
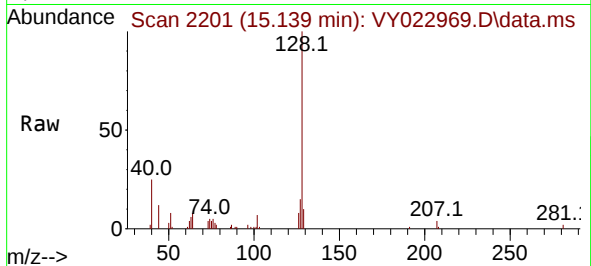




#95
Naphthalene
Concen: 1.218 ug/l
RT: 15.139 min Scan# 211
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

Tgt Ion:128 Resp: 9243
Ion Ratio Lower Upper
128 100
127 11.5 10.4 15.6
129 10.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 1.069 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion:180 Resp: 3876
Ion Ratio Lower Upper
180 100
182 92.8 47.1 141.3
145 37.0 15.2 45.6

