

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022923.D
 Acq On : 02 Jul 2025 19:27
 Operator : SY/MD
 Sample : Q2487-03
 Misc : 4.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(9)

Quant Time: Jul 03 02:27:57 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)

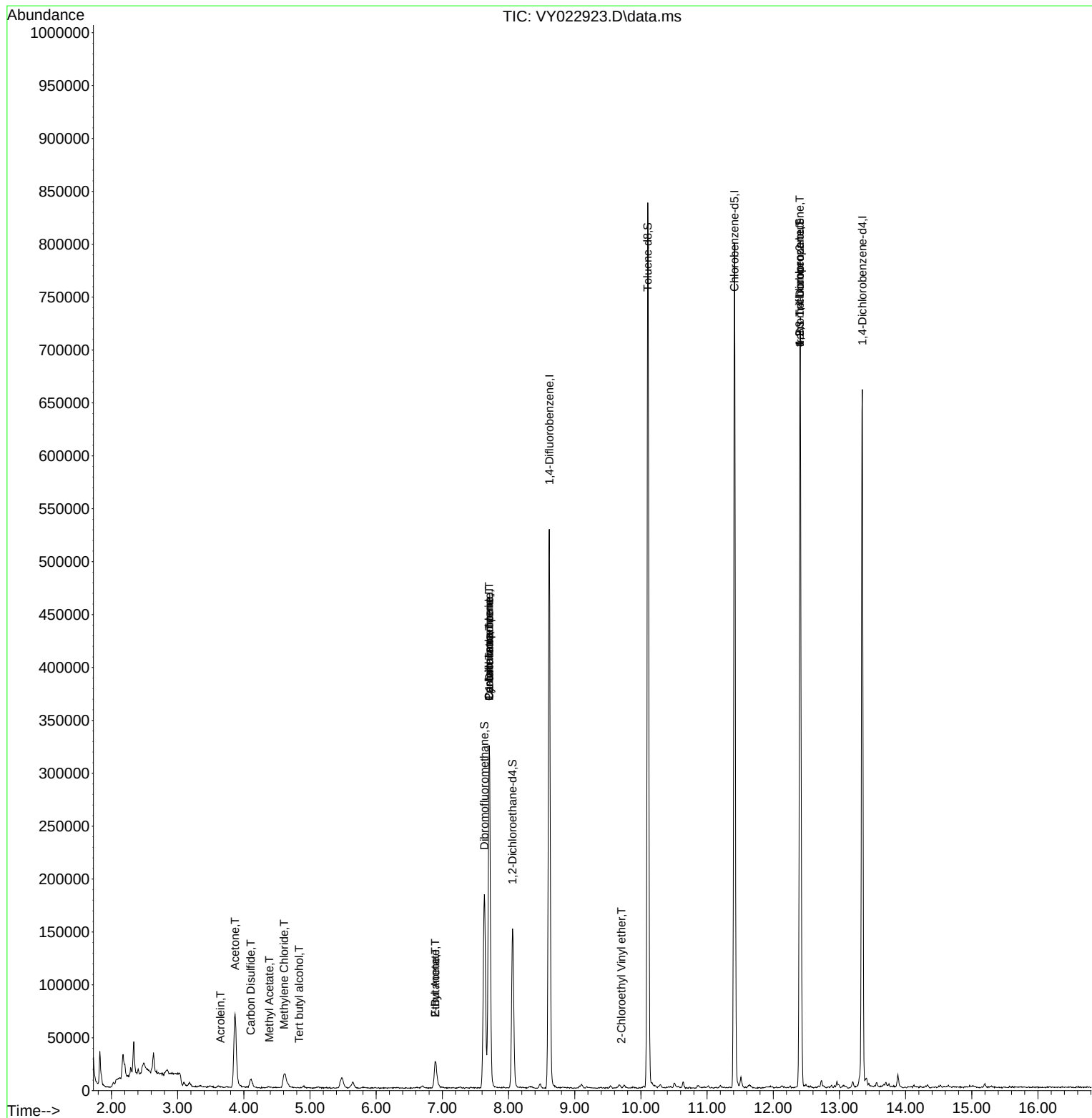
Internal Standards						
1) Pentafluorobenzene	7.707	168	240056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	442237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	404227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	161481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117864	43.991	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.980%
35) Dibromofluoromethane	7.634	113	131233	48.795	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.600%
50) Toluene-d8	10.103	98	534408	50.075	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.140%
62) 4-Bromofluorobenzene	12.401	95	168470	49.106	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	226	1.269	ug/l #	73
13) Acrolein	3.647	56	342	1.416	ug/l	99
16) Acetone	3.866	43	124239	245.337	ug/l	100
17) Carbon Disulfide	4.104	76	15292	1.948	ug/l	98
18) Methyl Acetate	4.385	43	2395	1.428	ug/l #	85
20) Methylene Chloride	4.610	84	9819	3.070	ug/l	94
25) 2-Butanone	6.890	43	44476	60.345	ug/l	97
31) Cyclohexane	7.707	56	6852	1.489	ug/l #	11
36) 1,1-Dichloropropene	7.707	75	21691	5.321	ug/l #	51
37) Ethyl Acetate	6.890	43	44476	25.283	ug/l #	69
38) Carbon Tetrachloride	7.707	117	24849	5.777	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.707	63	20	15.668	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	96757	58.691	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	96757	148.276	ug/l #	11

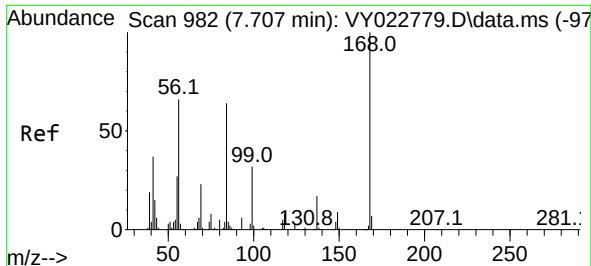
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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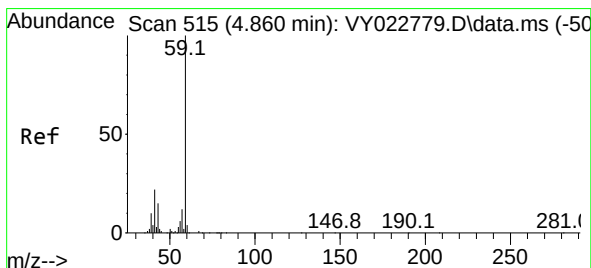
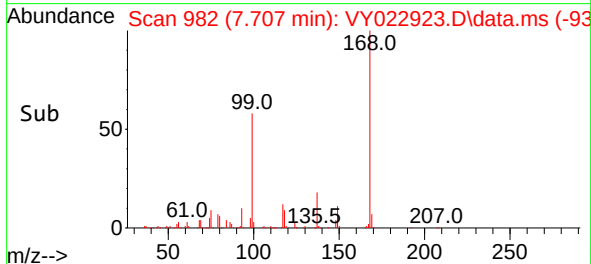
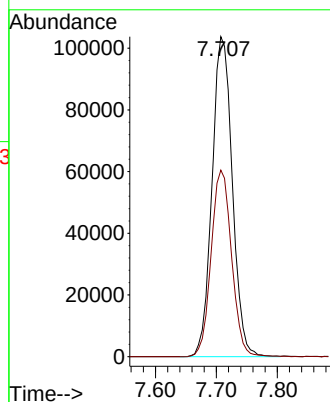
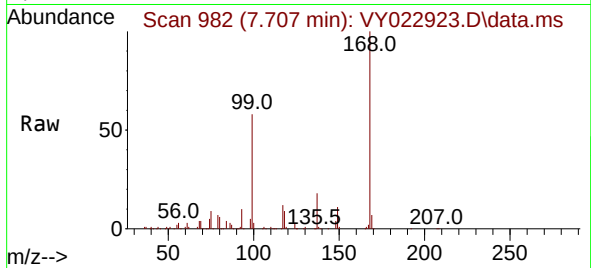




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

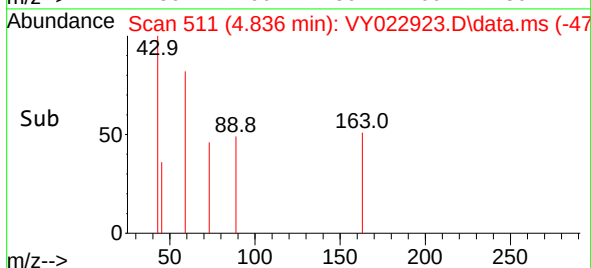
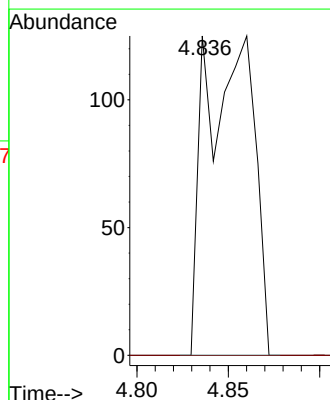
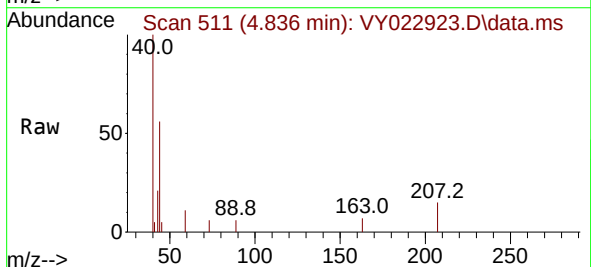
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

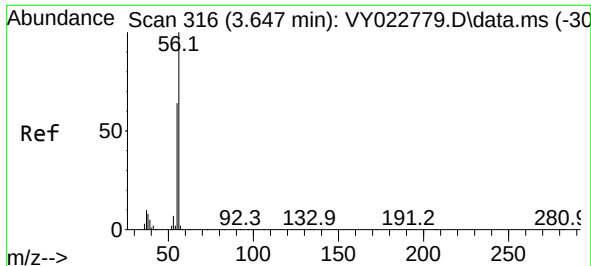
Tgt Ion:168 Resp: 240056
Ion Ratio Lower Upper
168 100
99 58.3 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.269 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.049 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

Tgt Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

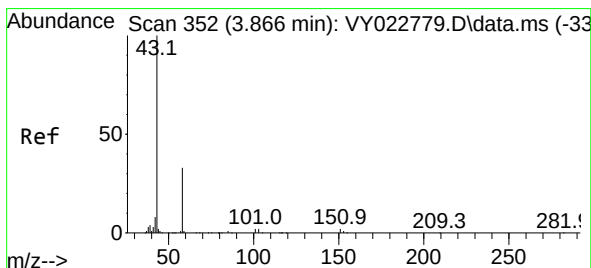
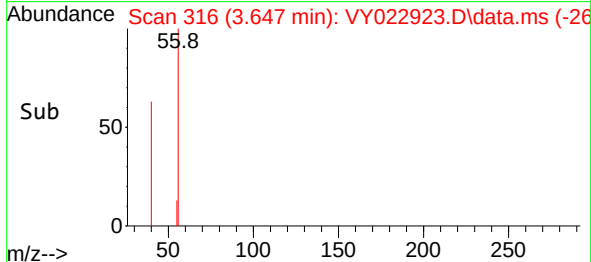
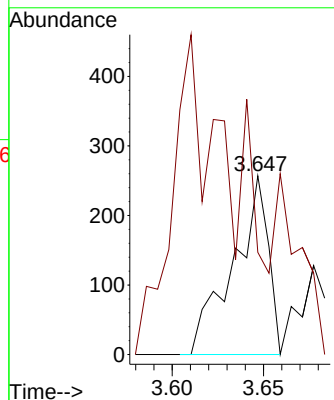
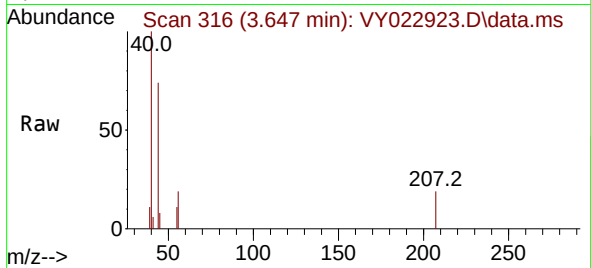




#13
Acrolein
Concen: 1.416 ug/l
RT: 3.647 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

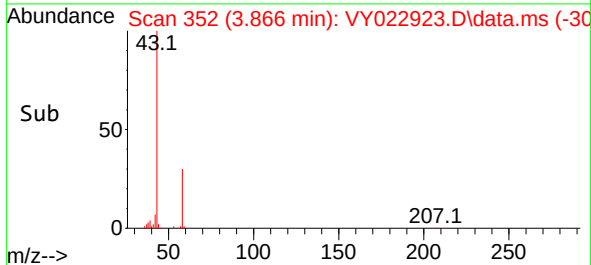
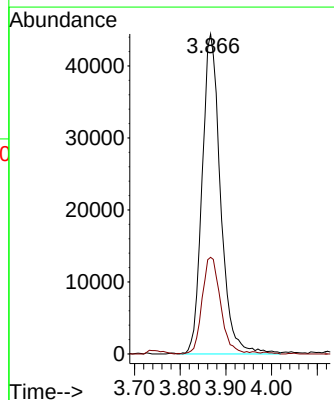
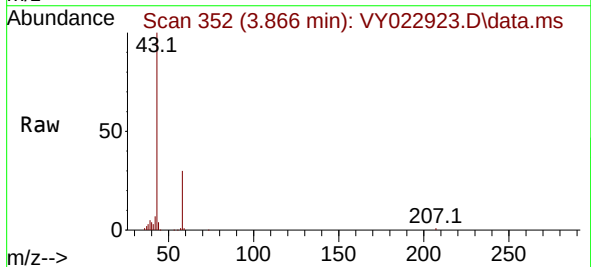
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

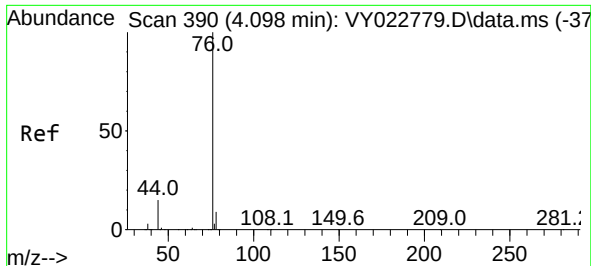
Tgt Ion: 56 Resp: 342
Ion Ratio Lower Upper
56 100
55 72.2 57.0 85.6



#16
Acetone
Concen: 245.337 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

Tgt Ion: 43 Resp: 124239
Ion Ratio Lower Upper
43 100
58 30.2 24.0 36.0

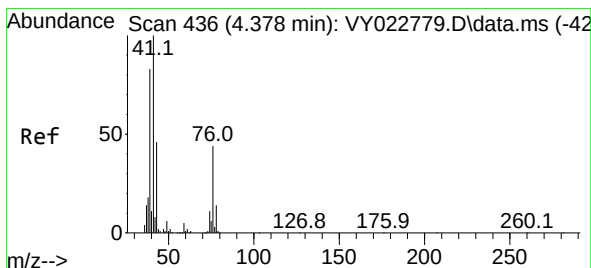
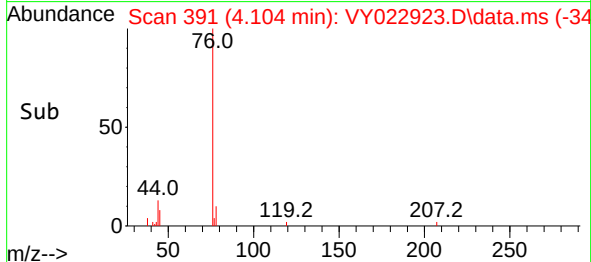
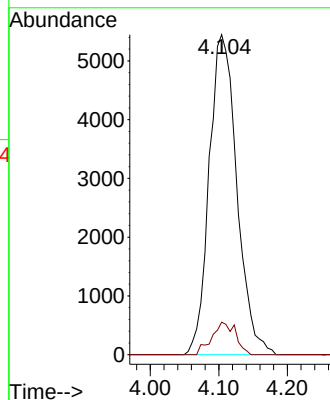
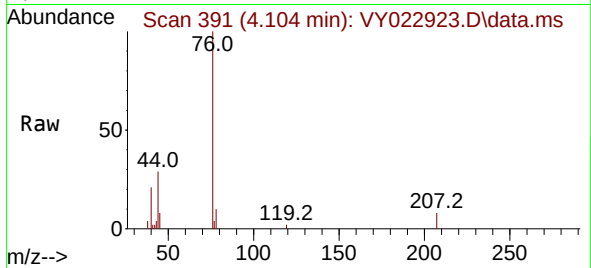




#17
Carbon Disulfide
Concen: 1.948 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

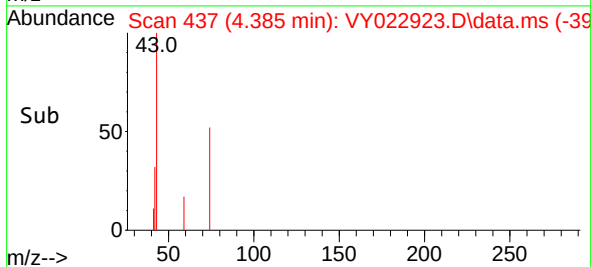
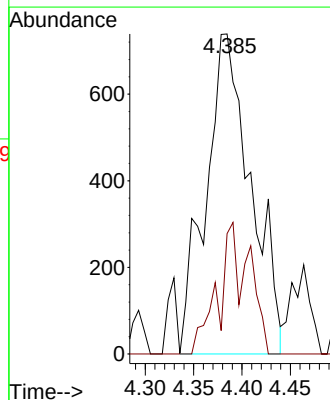
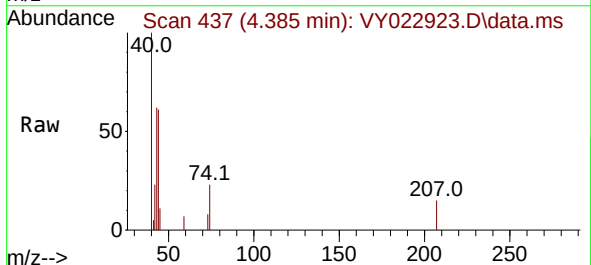
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

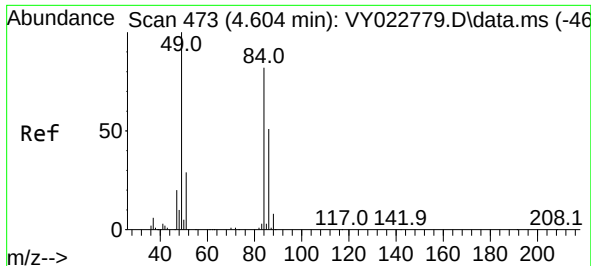
Tgt Ion: 76 Resp: 15292
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.2



#18
Methyl Acetate
Concen: 1.428 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

Tgt Ion: 43 Resp: 2395
Ion Ratio Lower Upper
43 100
74 17.4 19.8 29.6#

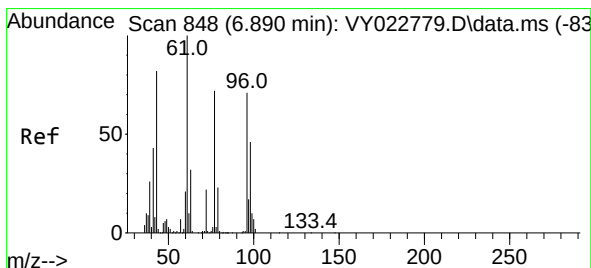
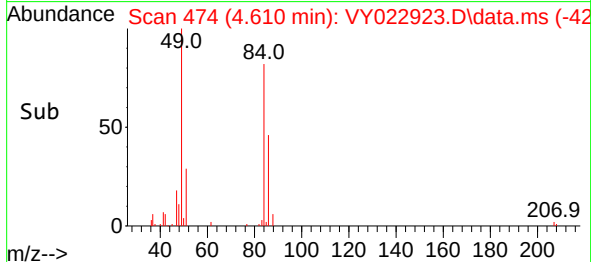
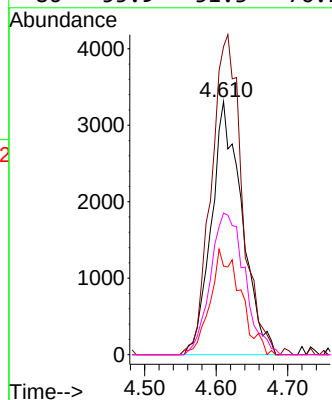
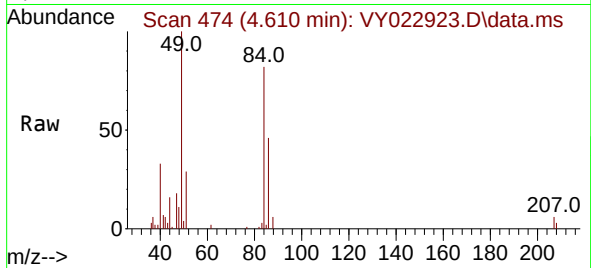




#20
Methylene Chloride
Concen: 3.070 ug/l
RT: 4.610 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

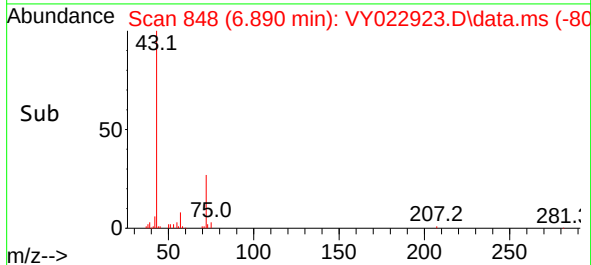
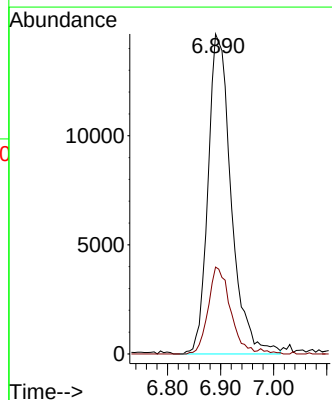
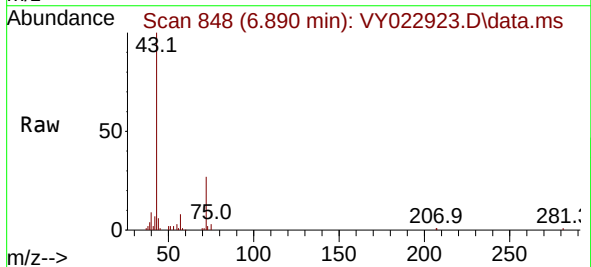
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

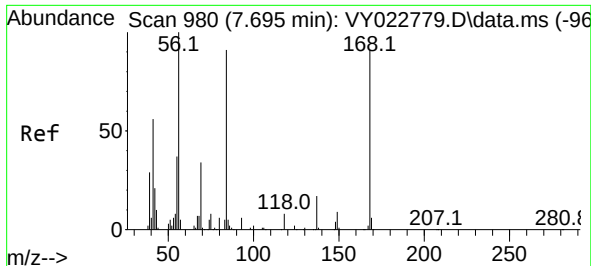
Tgt Ion:	84	Resp:	9819
Ion	Ratio	Lower	Upper
84	100		
49	121.7	101.9	152.9
51	35.0	29.8	44.8
86	55.9	51.3	76.9



#25
2-Butanone
Concen: 60.345 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

Tgt Ion:	43	Resp:	44476
Ion	Ratio	Lower	Upper
43	100		
72	27.2	22.9	34.3

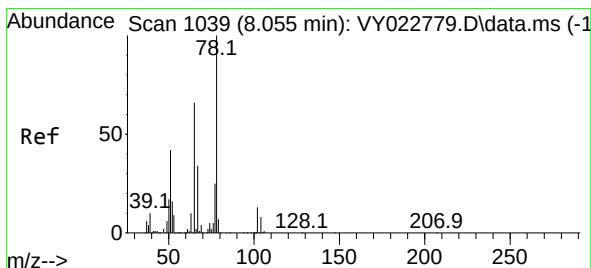
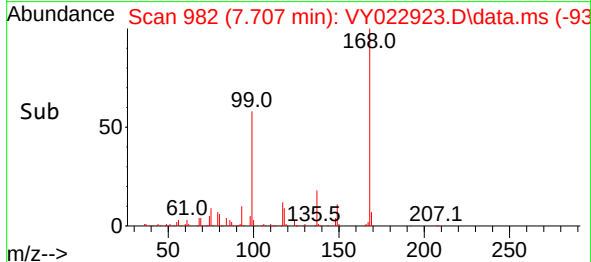
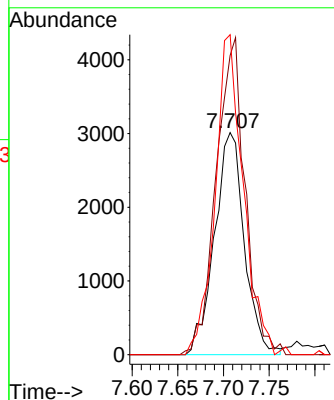
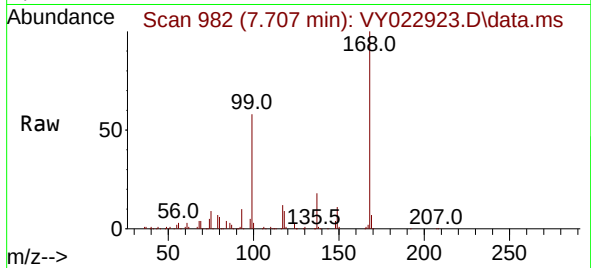




#31
Cyclohexane
Concen: 1.489 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

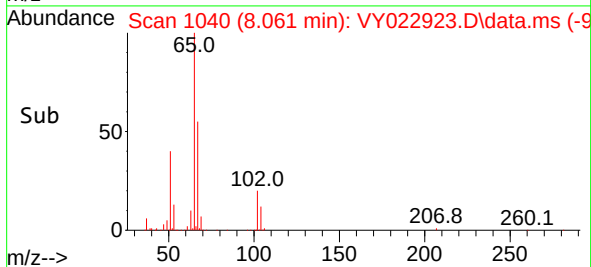
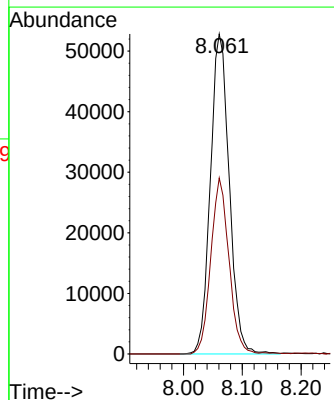
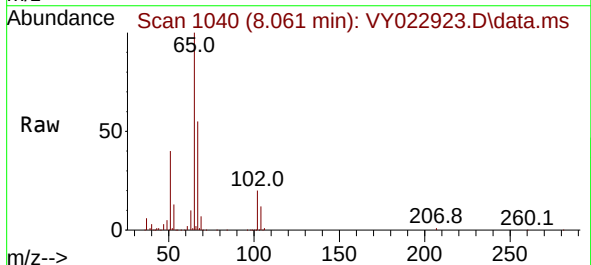
Instrument :
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ClientSampleId :
G3(9)

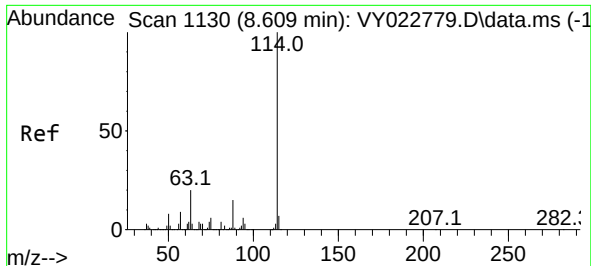
Tgt Ion: 56 Resp: 6852
Ion Ratio Lower Upper
56 100
69 134.7 27.0 40.6#
84 144.1 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 43.991 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

Tgt Ion: 65 Resp: 117864
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4

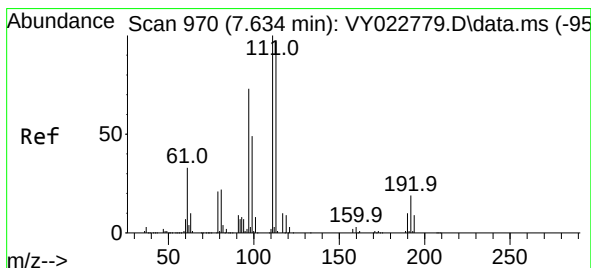
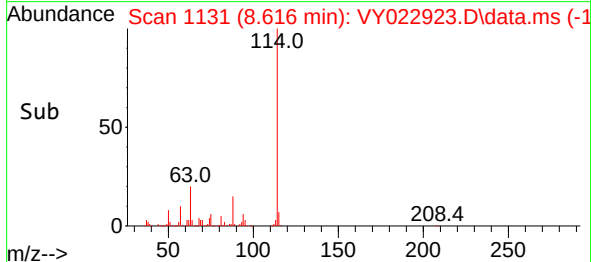
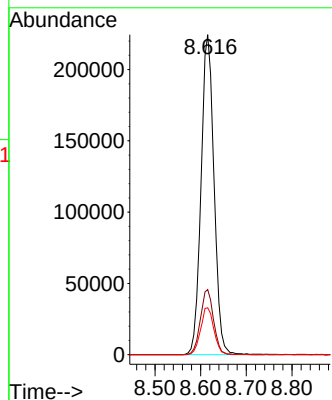
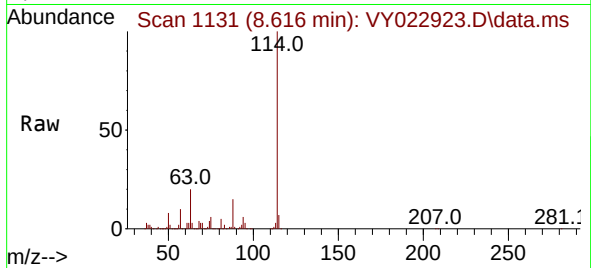




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

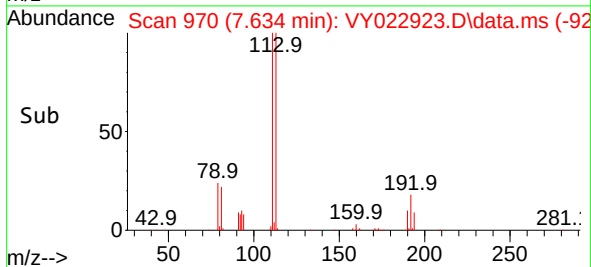
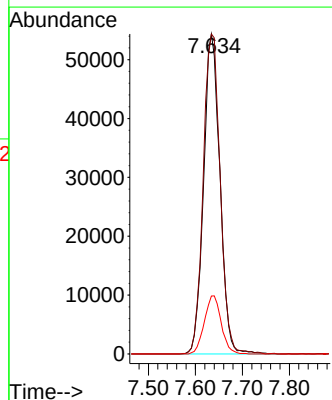
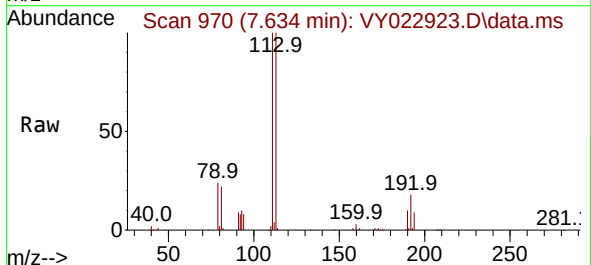
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G3(9)

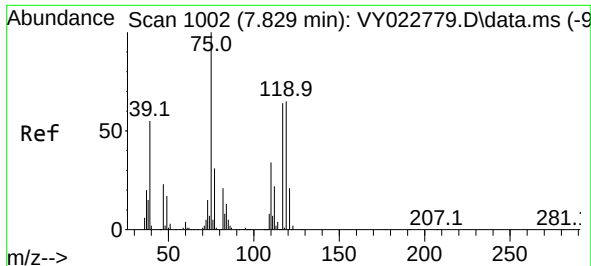
Tgt Ion:114 Resp: 442237
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 14.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 48.795 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

Tgt Ion:113 Resp: 131233
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 18.7 14.2 21.2

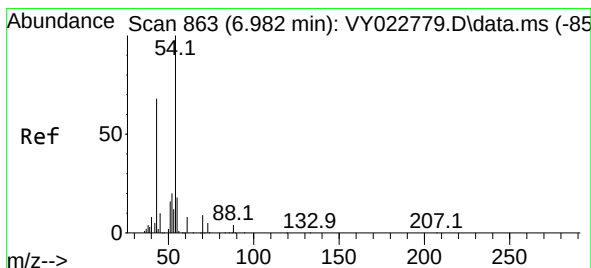
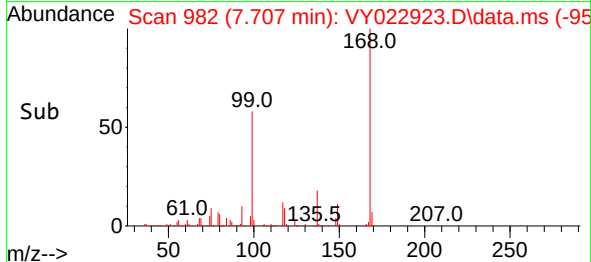
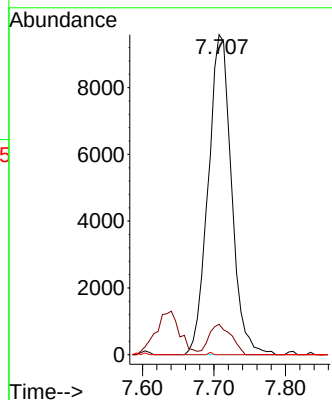
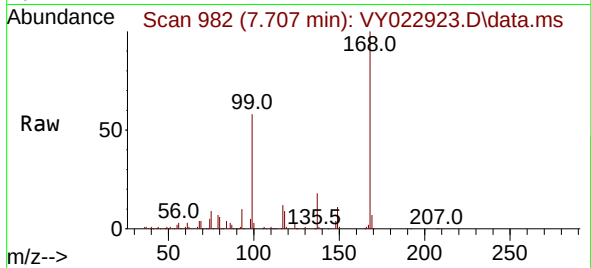




#36
 1,1-Dichloropropene
 Concen: 5.321 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY022923.D
 Acq: 02 Jul 2025 19:27

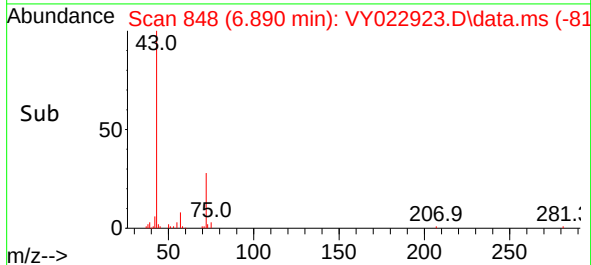
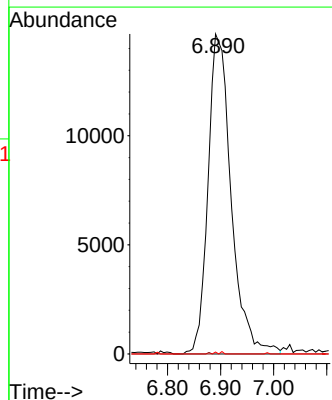
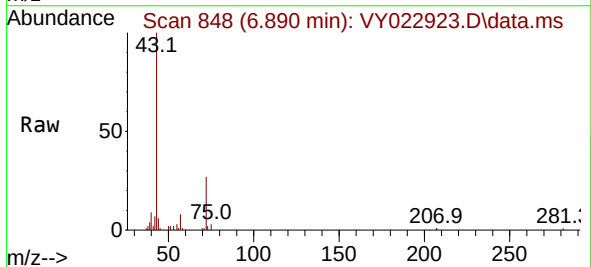
Instrument :
 MSVOA_Y
 ClientSampleId :
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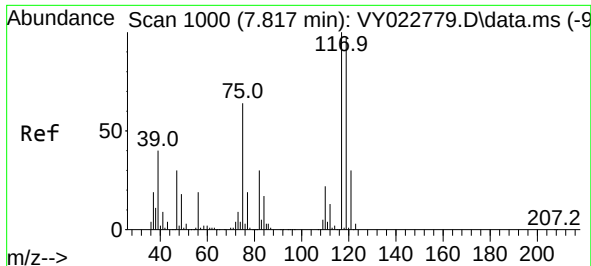
Tgt Ion: 75 Resp: 21691
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.7#
 77 0.1 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 25.283 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. -0.104 min
 Lab File: VY022923.D
 Acq: 02 Jul 2025 19:27

Tgt Ion: 43 Resp: 44476
 Ion Ratio Lower Upper
 43 100
 61 0.1 11.5 17.3#
 70 0.1 7.2 10.8#

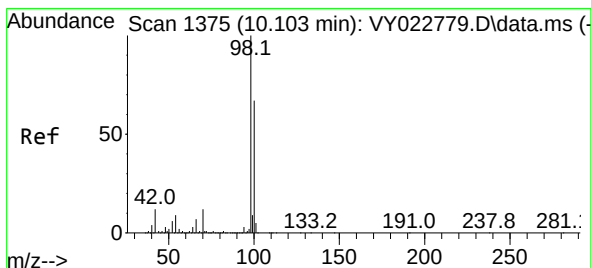
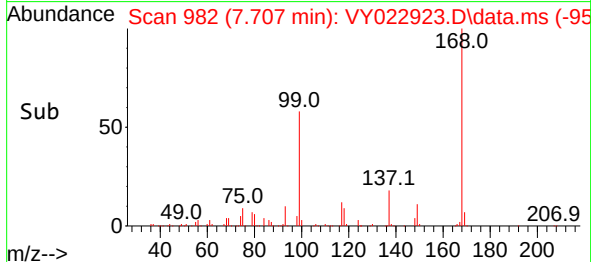
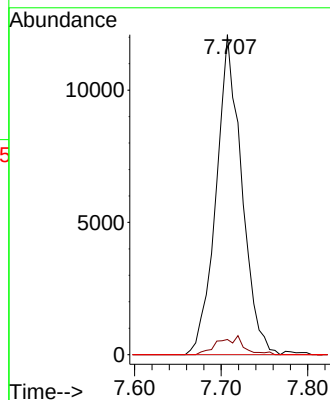
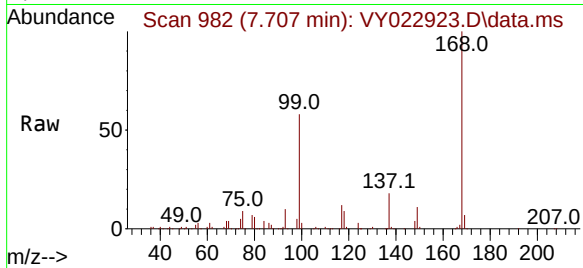




#38
Carbon Tetrachloride
Concen: 5.777 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

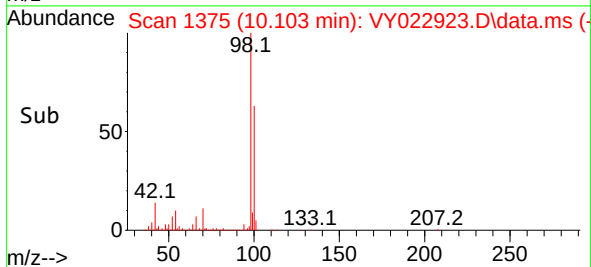
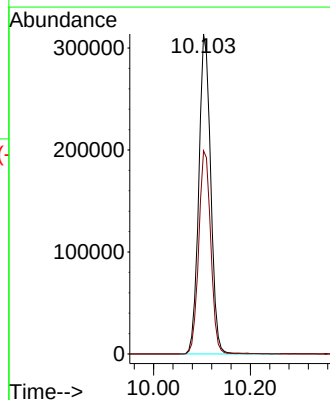
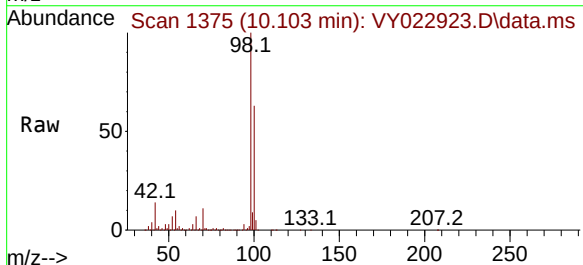
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

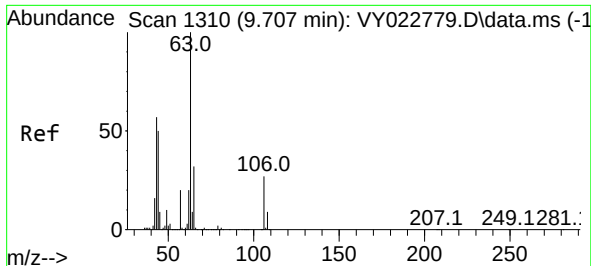
Tgt Ion:117 Resp: 24849
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.075 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

Tgt Ion: 98 Resp: 534408
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0

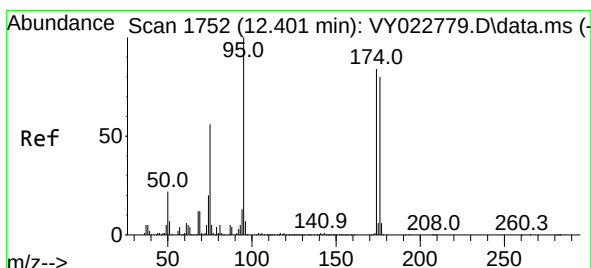
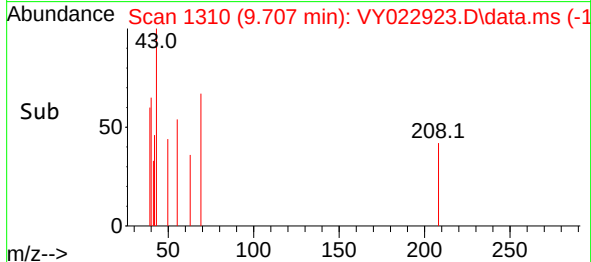
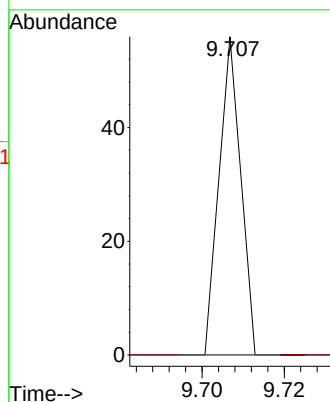
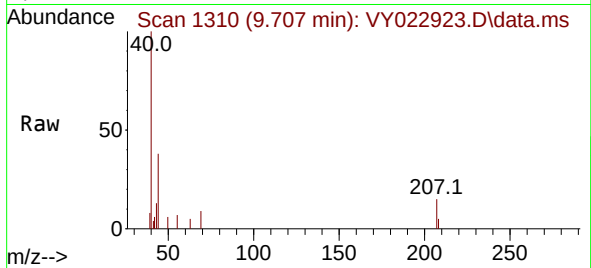




#58
2-Chloroethyl Vinyl ether
Concen: 15.668 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

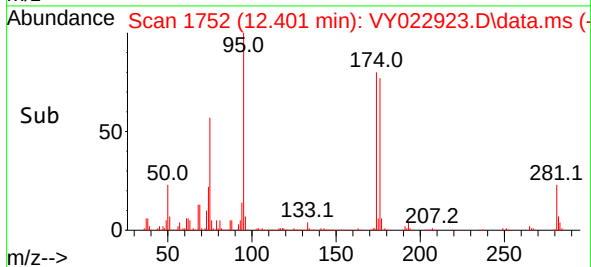
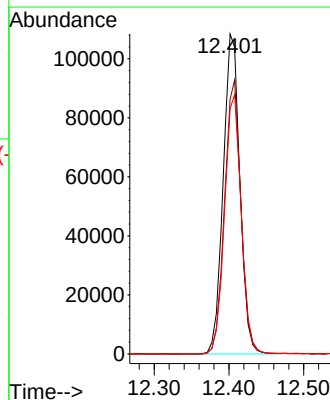
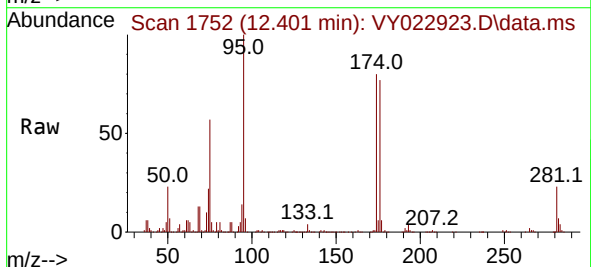
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

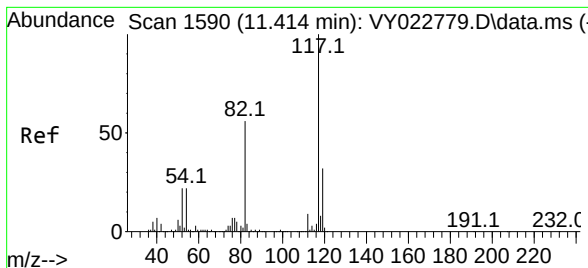
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 49.106 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022923.D
Acq: 02 Jul 2025 19:27

Tgt Ion: 95 Resp: 168470
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.0
176 81.2 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: VY022923.D

Acq: 02 Jul 2025 19:27

Instrument :

MSVOA_Y

ClientSampleId :

G3(9)

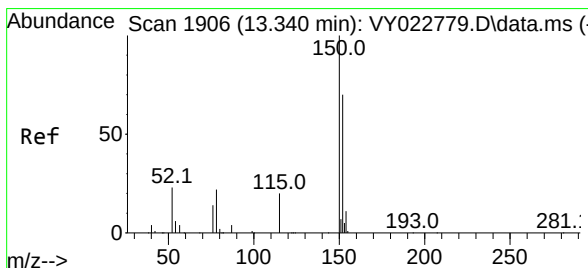
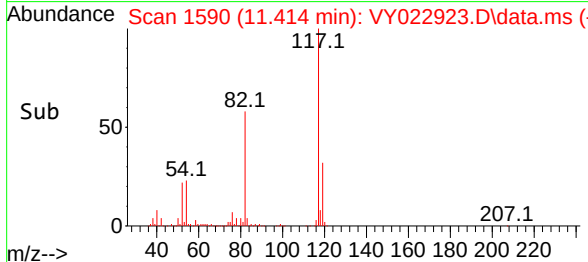
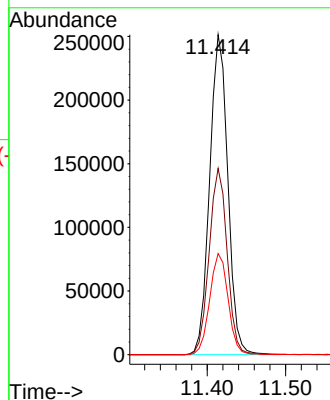
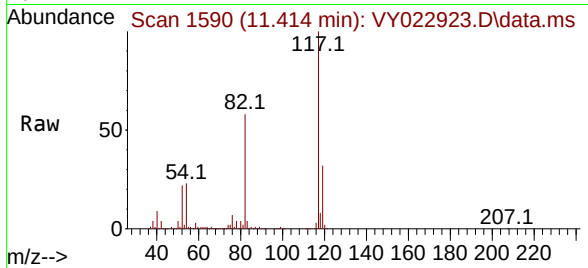
Tgt Ion:117 Resp: 404227

Ion Ratio Lower Upper

117 100

82 58.2 44.6 66.8

119 31.6 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: VY022923.D

Acq: 02 Jul 2025 19:27

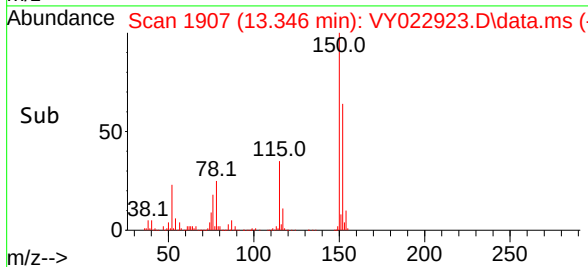
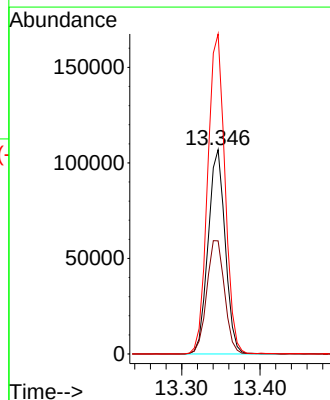
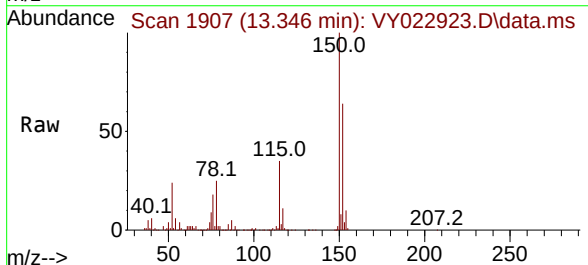
Tgt Ion:152 Resp: 161481

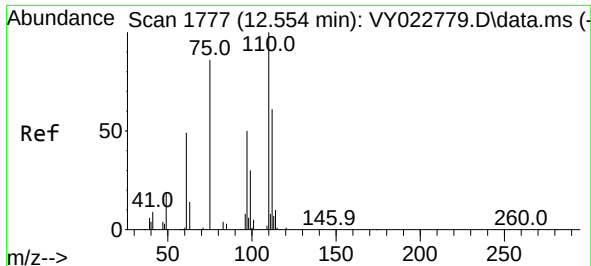
Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 158.5 0.0 349.6

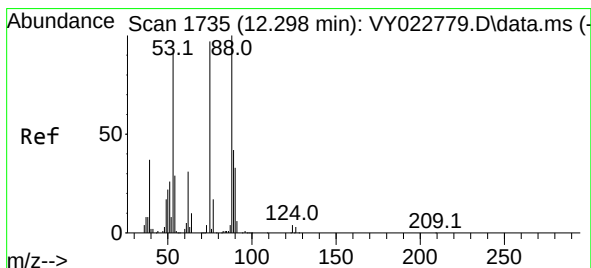
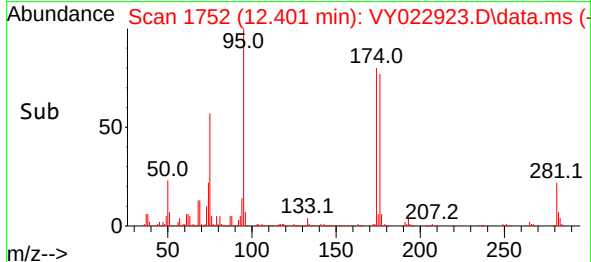
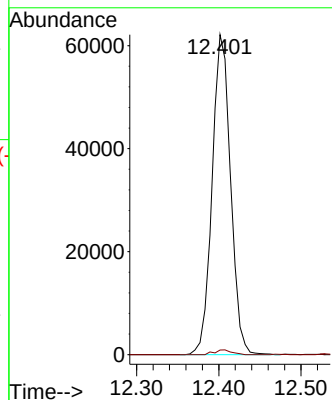
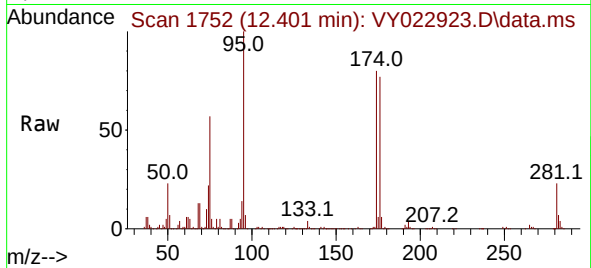




#76
 1,2,3-Trichloropropane
 Concen: 58.691 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022923.D
 Acq: 02 Jul 2025 19:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(9)

Tgt Ion: 75 Resp: 96757
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.276 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. 0.097 min
 Lab File: VY022923.D
 Acq: 02 Jul 2025 19:27

Tgt Ion: 75 Resp: 96757
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.8 35.7 53.5#

