

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022940.D
 Acq On : 03 Jul 2025 14:13
 Operator : SY/MD
 Sample : Q2487-03
 Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(9)

Quant Time: Jul 07 08:22:05 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)

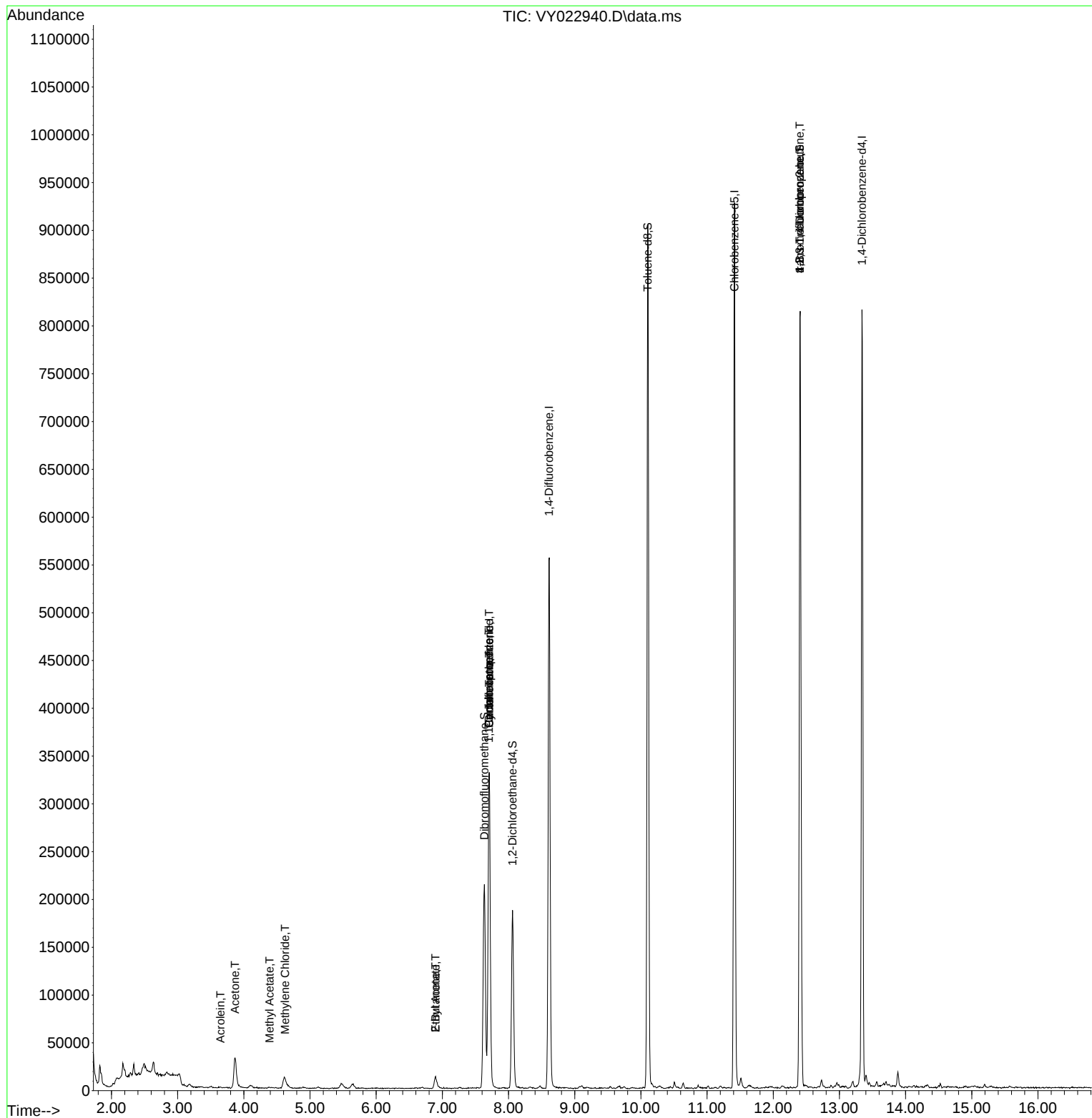
Internal Standards						
1) Pentafluorobenzene	7.707	168	248522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	472611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	460662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	196307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148315	53.471	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.940%	
35) Dibromofluoromethane	7.634	113	153843	53.526	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.060%	
50) Toluene-d8	10.103	98	577298	50.617	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.240%	
62) 4-Bromofluorobenzene	12.402	95	200658	54.729	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.460%	
Target Compounds						
					Qvalue	
13) Acrolein	3.647	56	293	1.172	ug/l #	82
16) Acetone	3.867	43	56181	107.162	ug/l	97
18) Methyl Acetate	4.391	43	2089	1.203	ug/l #	74
20) Methylene Chloride	4.623	84	7430	2.244	ug/l #	85
25) 2-Butanone	6.897	43	19980	26.185	ug/l #	89
31) Cyclohexane	7.707	56	7092	1.489	ug/l #	16
36) 1,1-Dichloropropene	7.701	75	22155	5.085	ug/l #	50
37) Ethyl Acetate	6.897	43	19980	10.628	ug/l #	69
38) Carbon Tetrachloride	7.707	117	24796	5.394	ug/l #	18
76) 1,2,3-Trichloropropane	12.402	75	116434	58.097	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	116434	146.776	ug/l #	11

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

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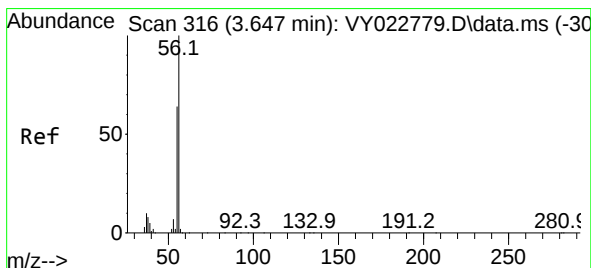
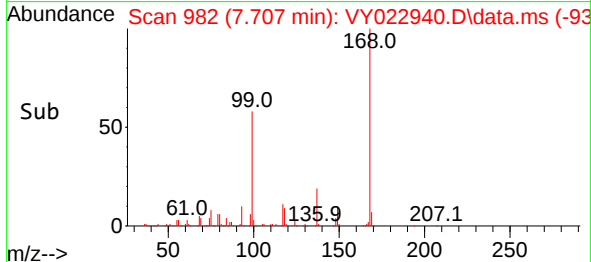
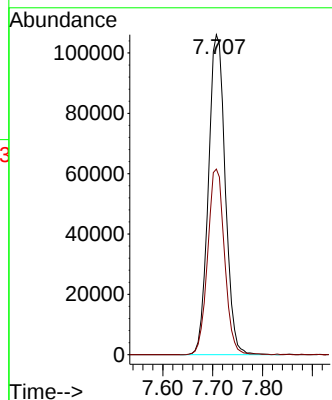
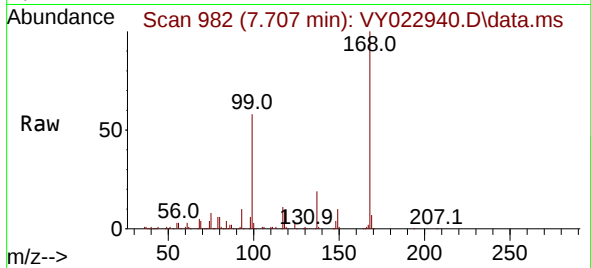




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

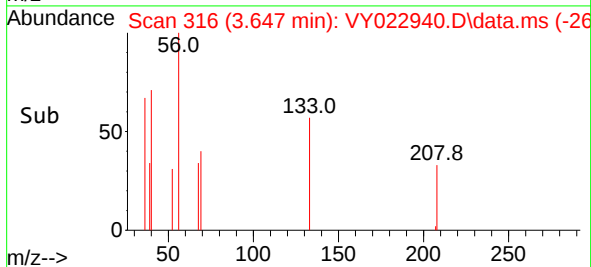
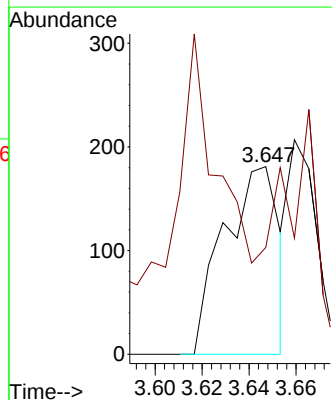
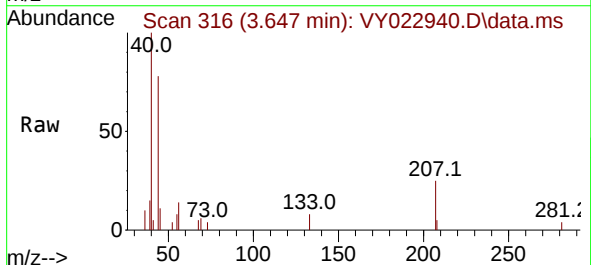
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

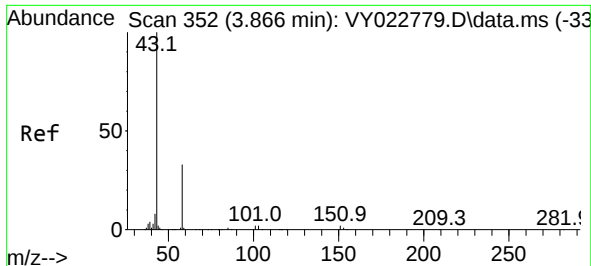
Tgt Ion:168 Resp: 248522
Ion Ratio Lower Upper
168 100
99 58.0 44.3 66.5



#13
Acrolein
Concen: 1.172 ug/l
RT: 3.647 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

Tgt Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
55 86.0 57.0 85.6#

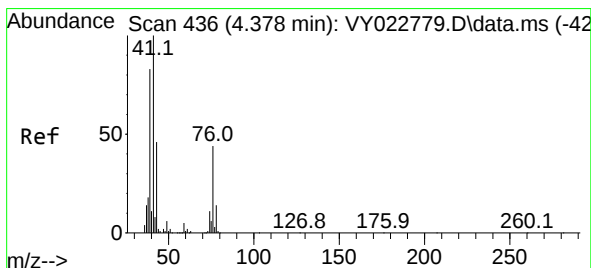
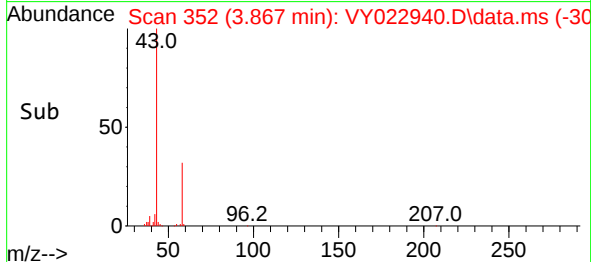
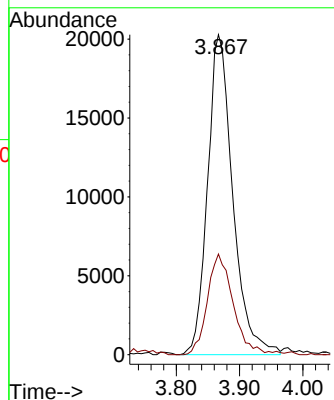
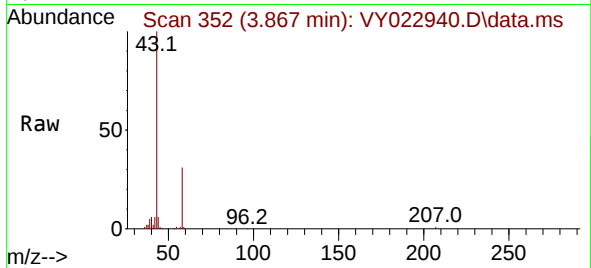




#16
Acetone
Concen: 107.162 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

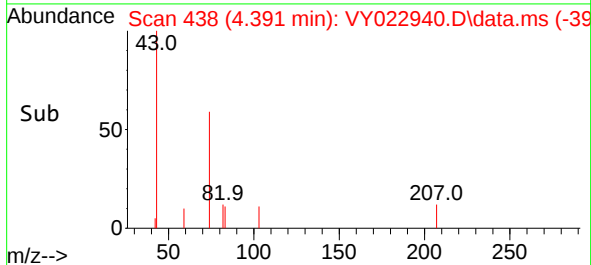
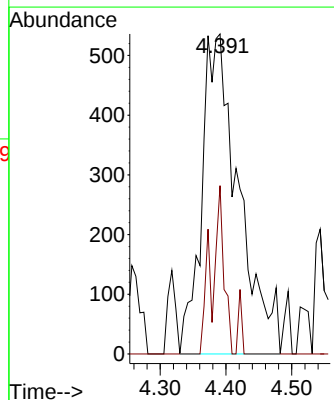
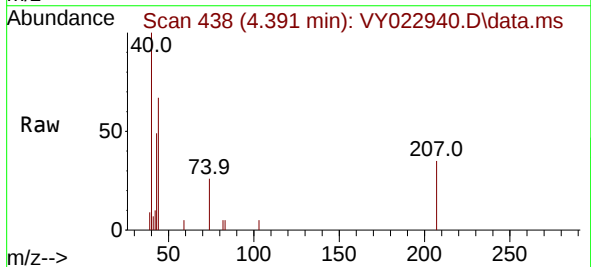
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

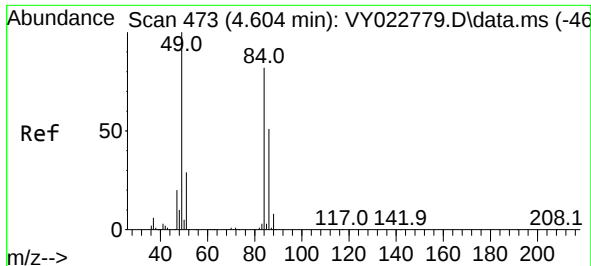
Tgt Ion: 43 Resp: 56181
Ion Ratio Lower Upper
43 100
58 31.4 24.0 36.0



#18
Methyl Acetate
Concen: 1.203 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

Tgt Ion: 43 Resp: 2089
Ion Ratio Lower Upper
43 100
74 11.5 19.8 29.6#

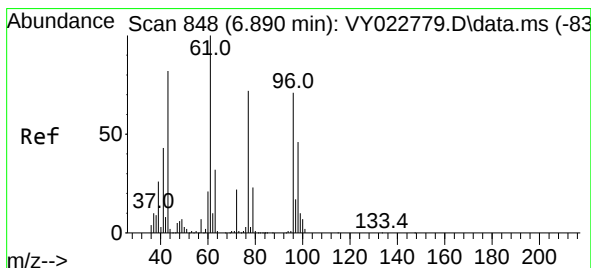
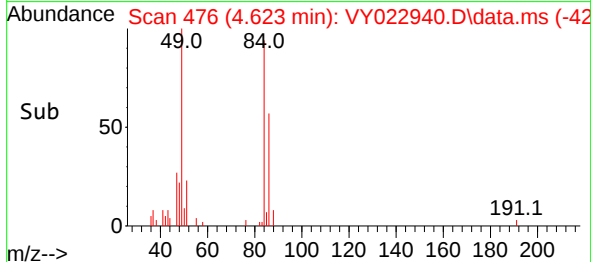
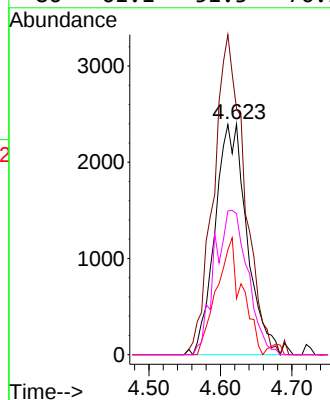
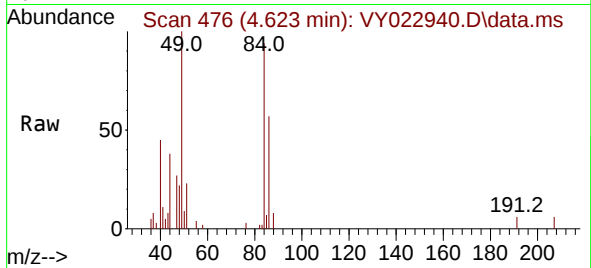




#20
Methylene Chloride
Concen: 2.244 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

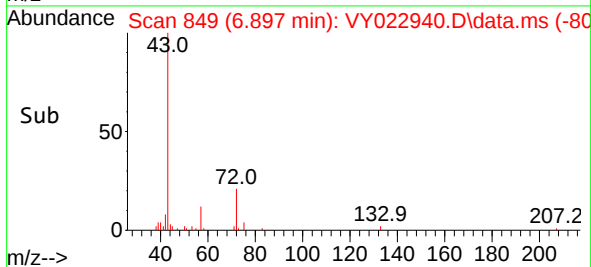
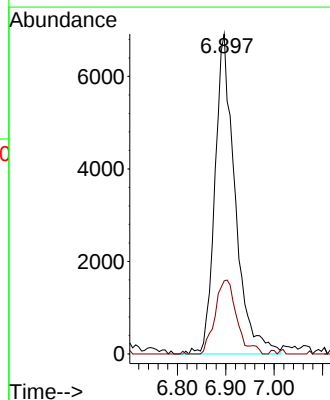
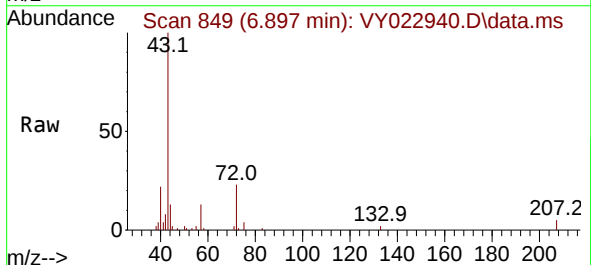
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

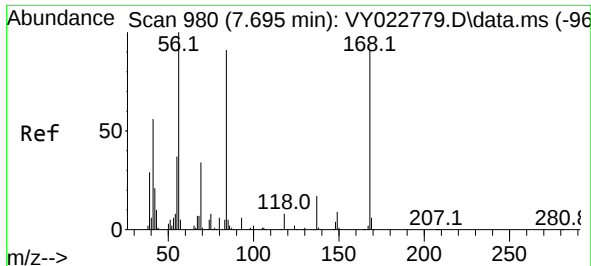
Tgt Ion:	84	Resp:	7430
Ion	Ratio	Lower	Upper
84	100		
49	106.7	101.9	152.9
51	24.3	29.8	44.8#
86	61.1	51.3	76.9



#25
2-Butanone
Concen: 26.185 ug/l
RT: 6.897 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

Tgt Ion:	43	Resp:	19980
Ion	Ratio	Lower	Upper
43	100		
72	22.9	22.9	34.3#

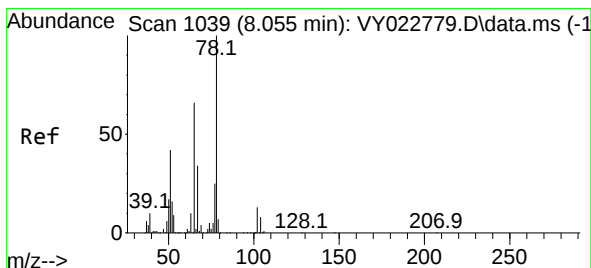
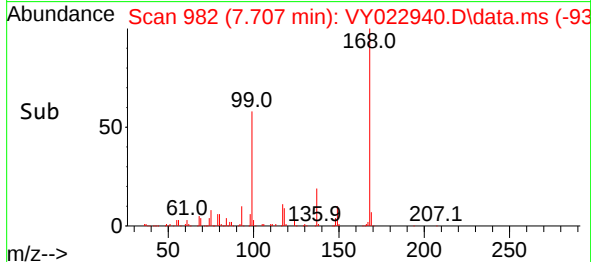
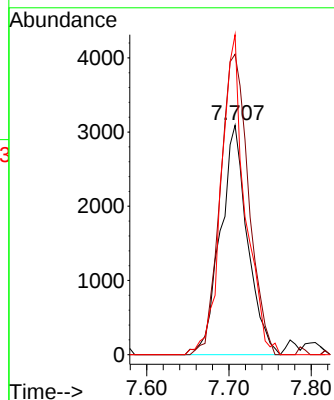
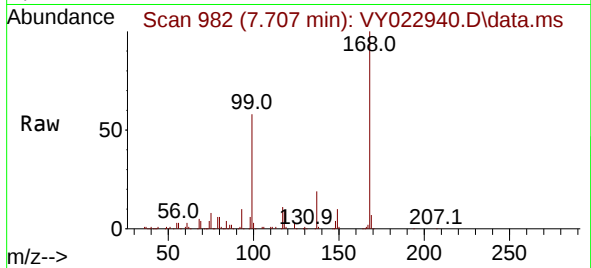




#31
Cyclohexane
Concen: 1.489 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

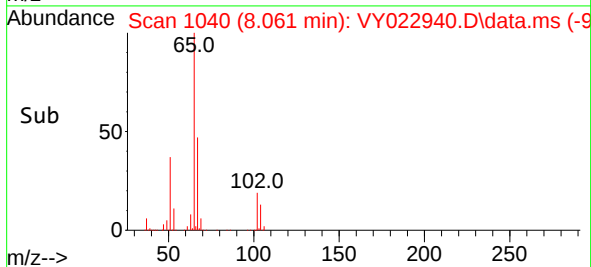
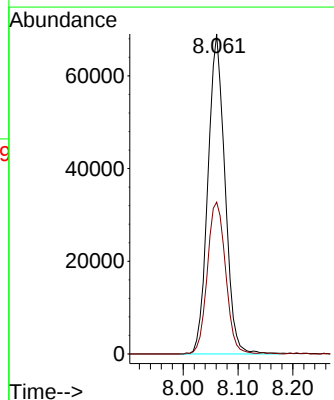
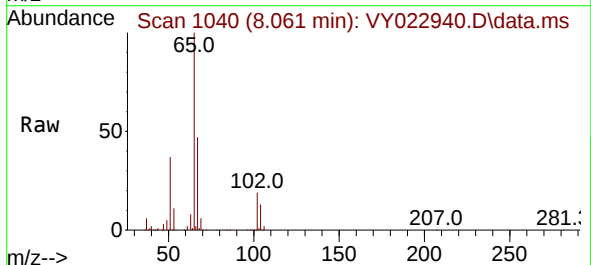
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

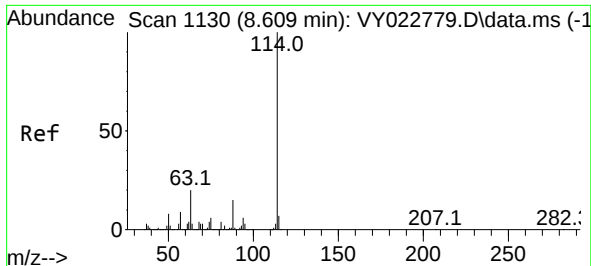
Tgt Ion: 56 Resp: 7092
Ion Ratio Lower Upper
56 100
69 131.0 27.0 40.6#
84 139.5 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 53.471 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

Tgt Ion: 65 Resp: 148315
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.4

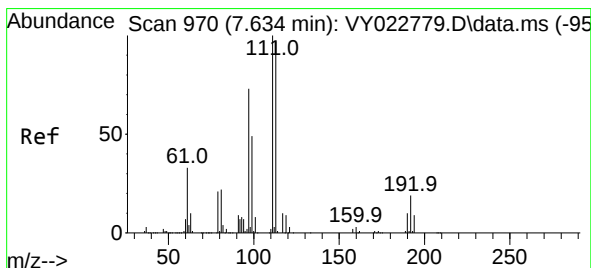
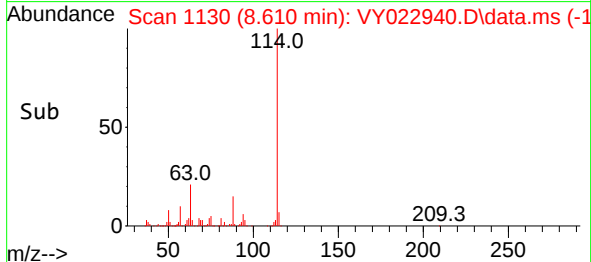
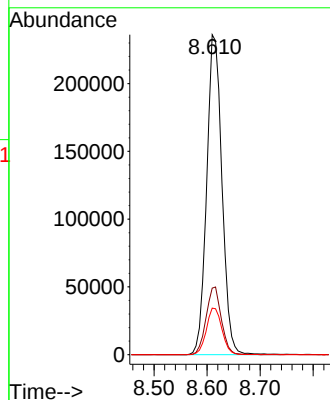
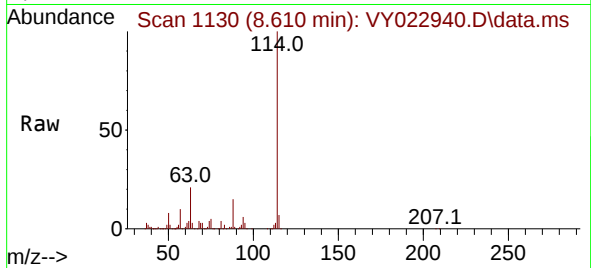




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

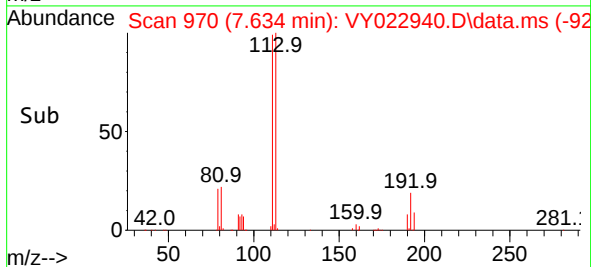
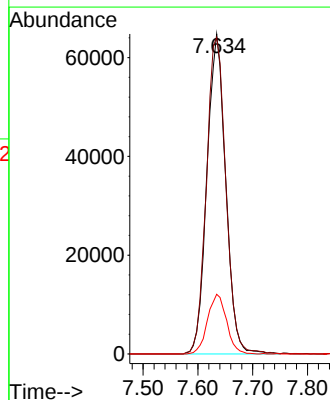
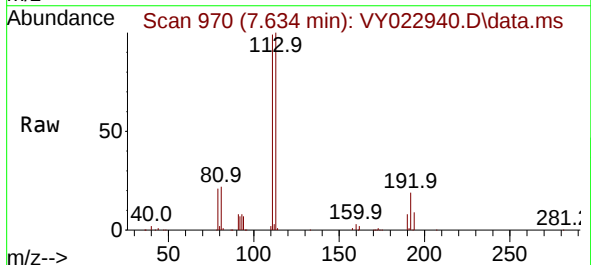
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

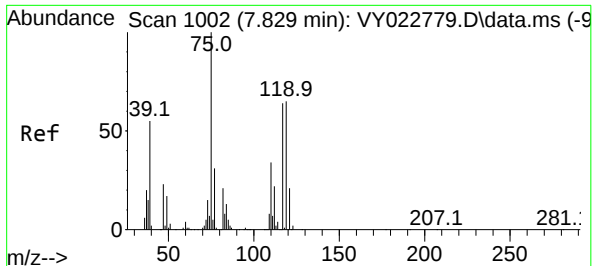
Tgt Ion:114 Resp: 472611
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 14.6 0.0 27.8



#35
Dibromofluoromethane
Concen: 53.526 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

Tgt Ion:113 Resp: 153843
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 18.9 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.085 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY022940.D

Acq: 03 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

G3(9)

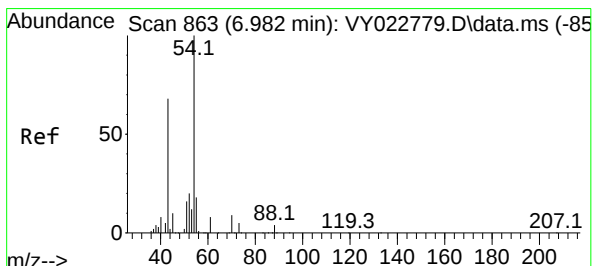
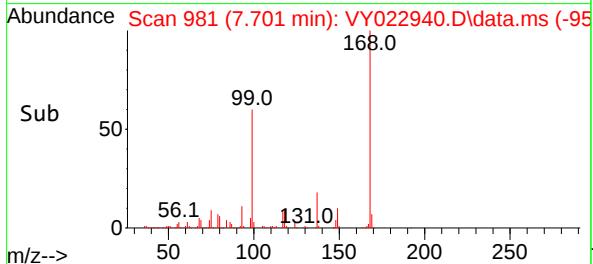
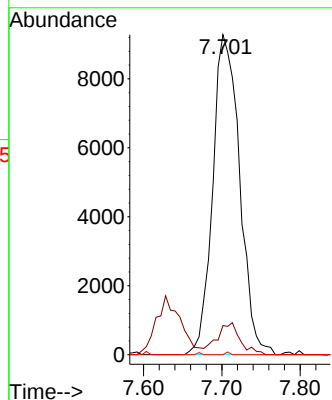
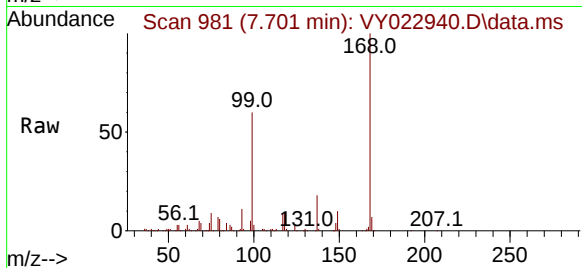
Tgt Ion: 75 Resp: 22155

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.7#

77 0.1 24.8 37.2#



#37

Ethyl Acetate

Concen: 10.628 ug/l

RT: 6.897 min Scan# 849

Delta R.T. -0.098 min

Lab File: VY022940.D

Acq: 03 Jul 2025 14:13

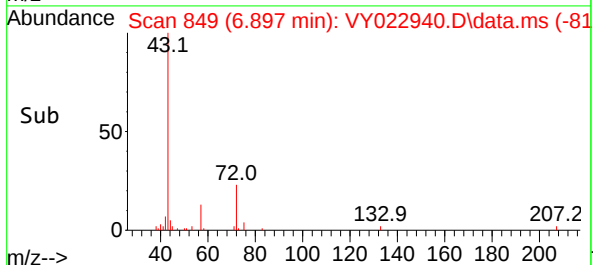
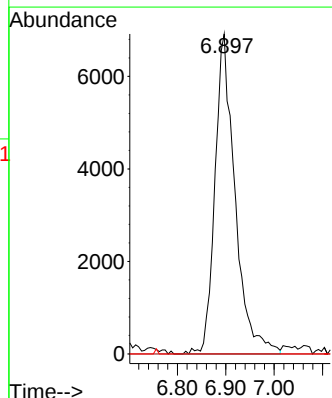
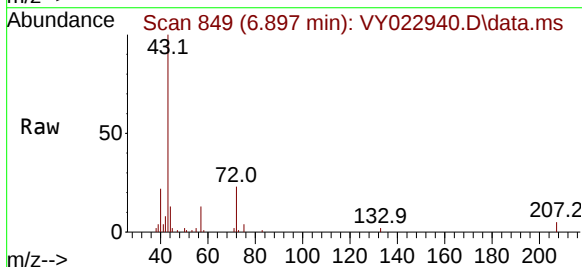
Tgt Ion: 43 Resp: 19980

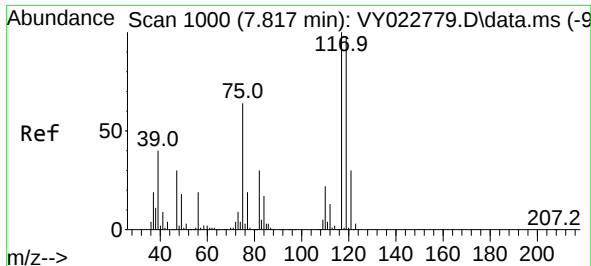
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.2 10.8#

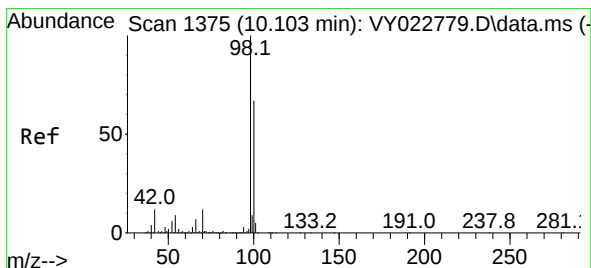
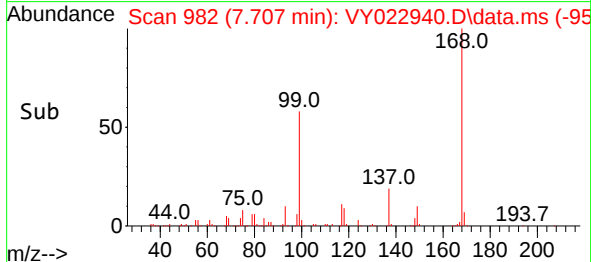
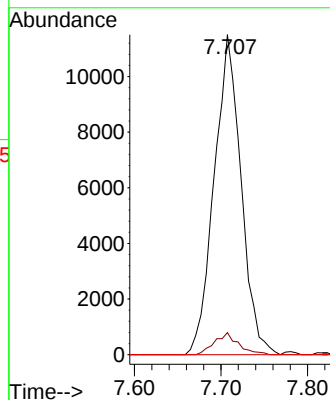
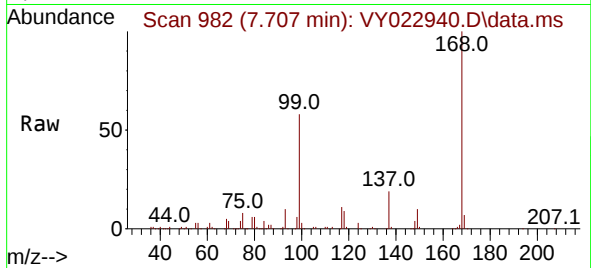




#38
Carbon Tetrachloride
Concen: 5.394 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

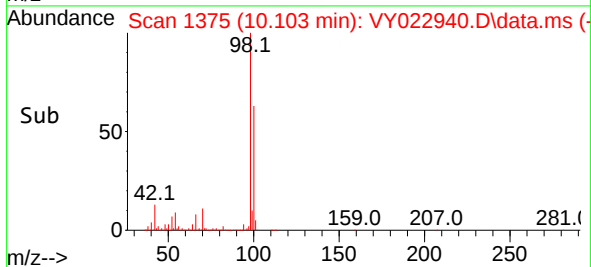
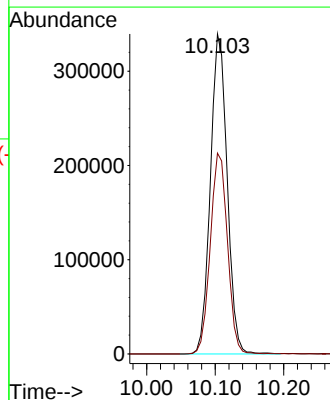
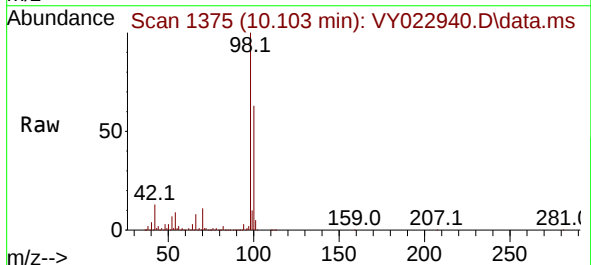
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

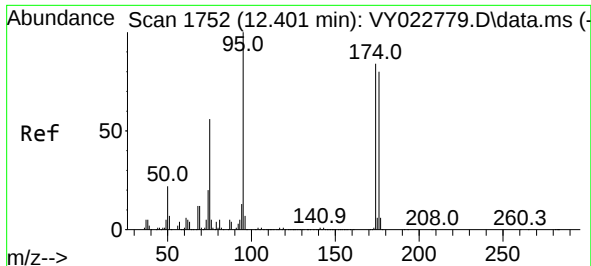
Tgt Ion:117 Resp: 24796
Ion Ratio Lower Upper
117 100
119 6.9 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.617 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

Tgt Ion: 98 Resp: 577298
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0

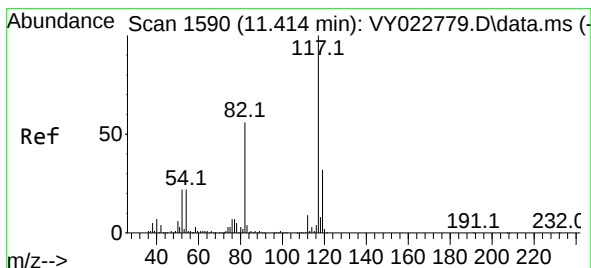
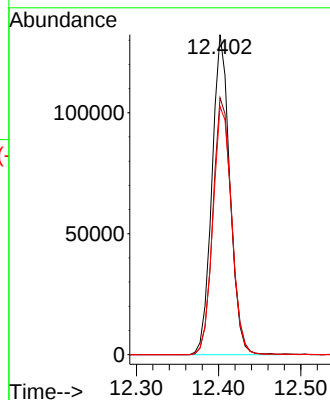
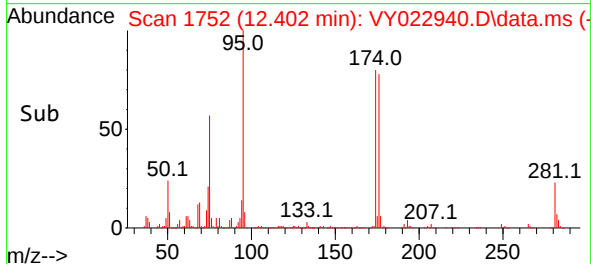
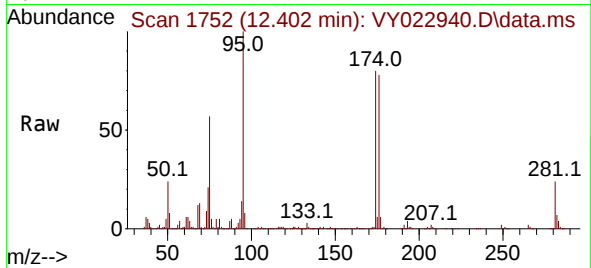




#62
4-Bromofluorobenzene
Concen: 54.729 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

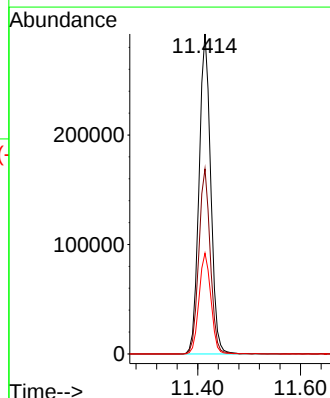
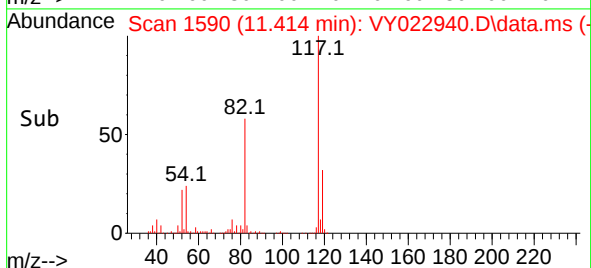
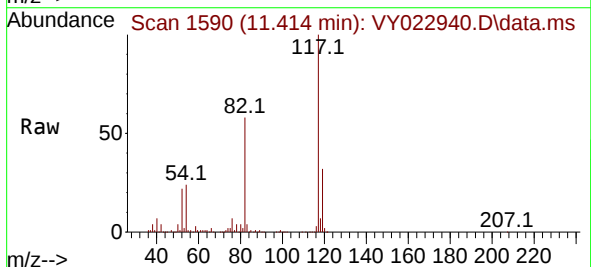
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

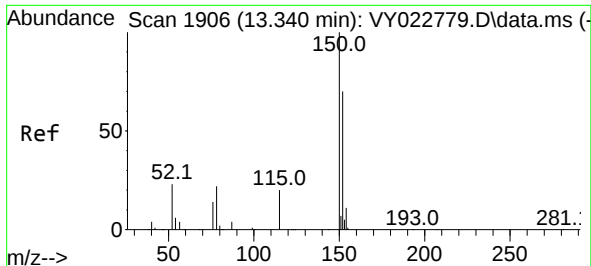
Tgt Ion: 95 Resp: 200658
Ion Ratio Lower Upper
95 100
174 82.8 0.0 170.0
176 81.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

Tgt Ion: 117 Resp: 460662
Ion Ratio Lower Upper
117 100
82 57.8 44.6 66.8
119 31.5 25.4 38.0

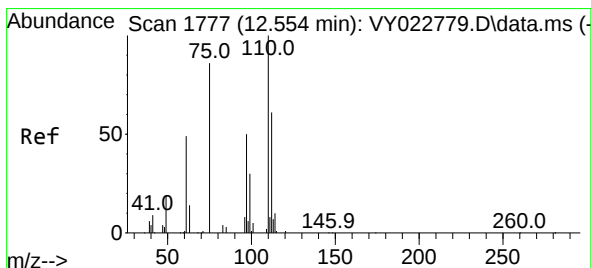
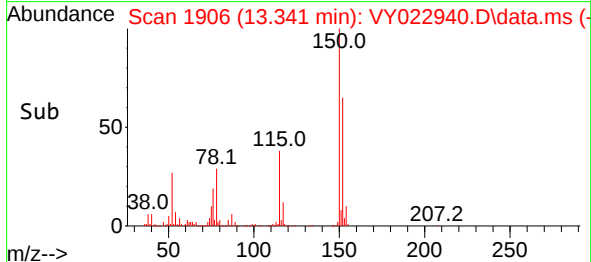
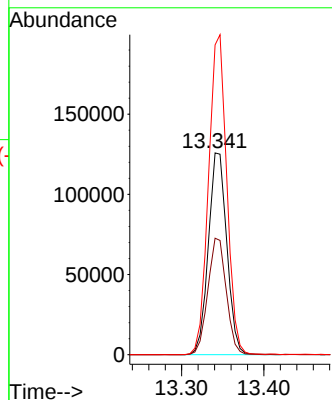
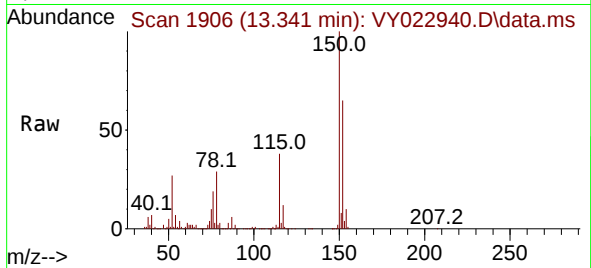




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.341 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022940.D
 Acq: 03 Jul 2025 14:13

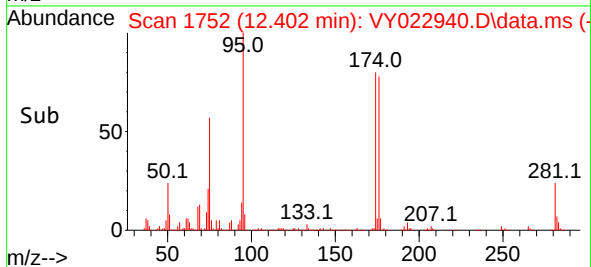
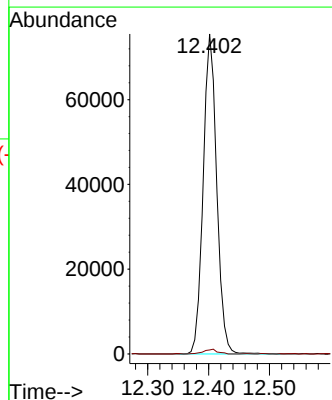
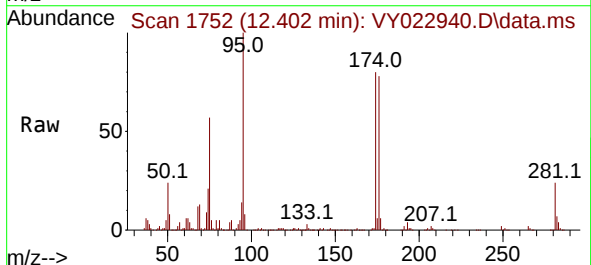
Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(9)

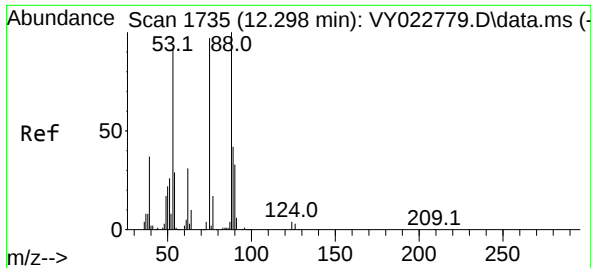
Tgt Ion:152 Resp: 196307
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.9 86.7
 150 156.5 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 58.097 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022940.D
 Acq: 03 Jul 2025 14:13

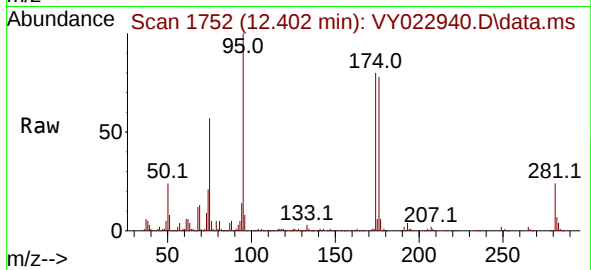
Tgt Ion: 75 Resp: 116434
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.776 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022940.D
 Acq: 03 Jul 2025 14:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(9)



Tgt Ion: 75 Resp: 116434
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.8 35.7 53.5#

