

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023119.D
 Acq On : 15 Aug 2025 12:18
 Operator : SY/MD
 Sample : Q2820-22
 Misc : 8.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-W

Quant Time: Aug 18 02:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

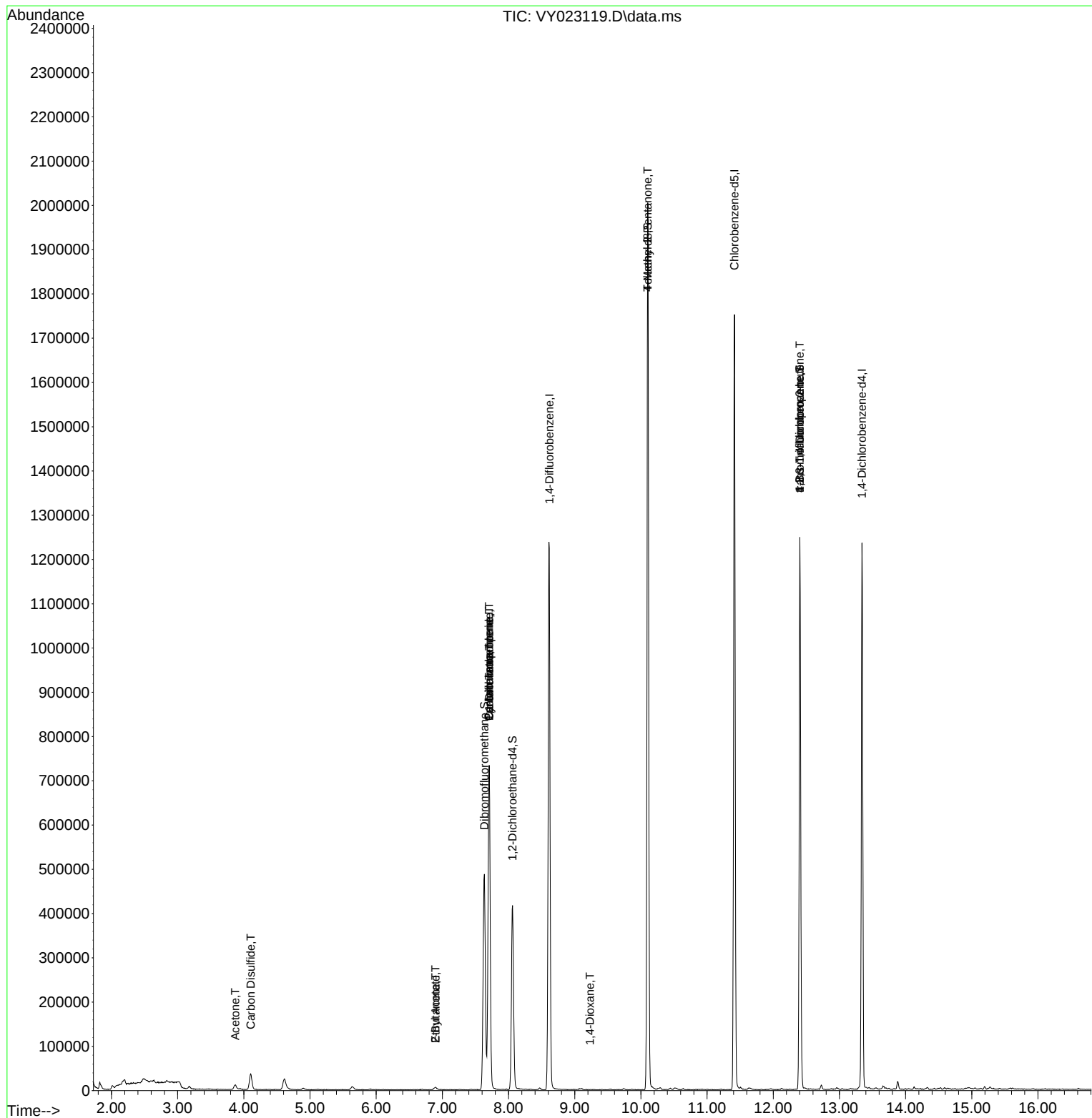
Internal Standards						
1) Pentafluorobenzene	7.707	168	565430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1082388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	919769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	311657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	327727	60.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.620%	
35) Dibromofluoromethane	7.634	113	341964	52.799	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.600%	
50) Toluene-d8	10.103	98	1304177	51.545	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.100%	
62) 4-Bromofluorobenzene	12.402	95	346717	42.610	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.220%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	18052	15.462	ug/l	96
17) Carbon Disulfide	4.104	76	70916	3.992	ug/l	96
25) 2-Butanone	6.896	43	4373	2.754	ug/l #	79
31) Cyclohexane	7.707	56	12860	1.281	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	44463	4.619	ug/l #	50
37) Ethyl Acetate	6.896	43	4373	1.082	ug/l #	55
38) Carbon Tetrachloride	7.707	117	55478	5.307	ug/l #	17
49) 1,4-Dioxane	9.231	88	78	1.698	ug/l #	1
51) 4-Methyl-2-Pentanone	10.103	43	5899	1.399	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	186297	61.938	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	186297	149.931	ug/l #	14

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

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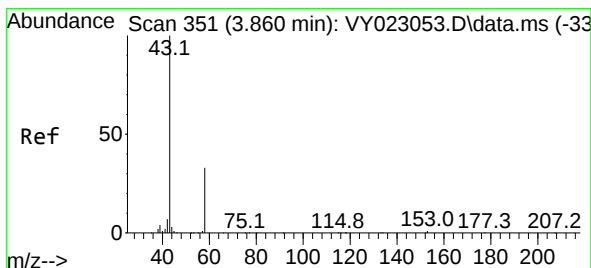
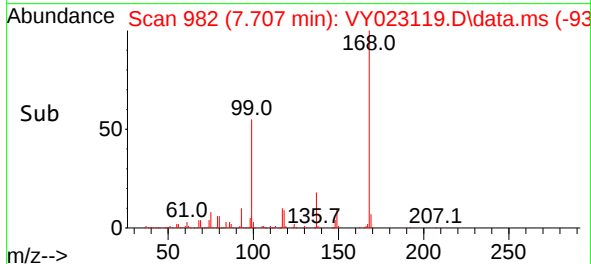
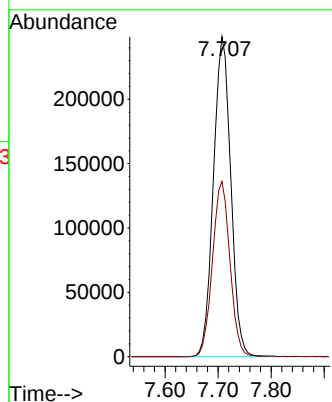
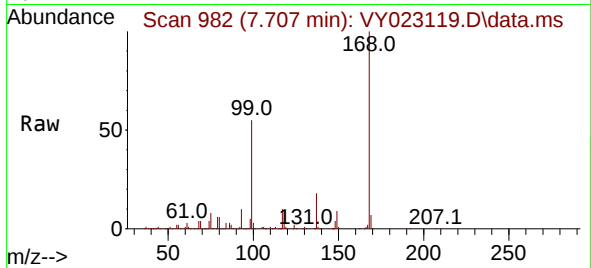




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

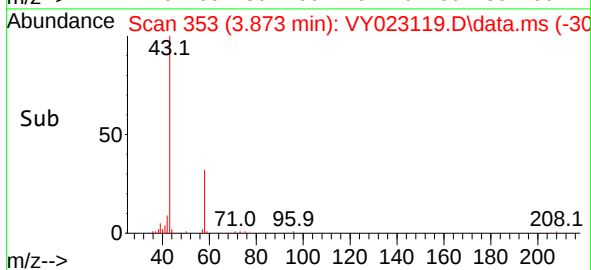
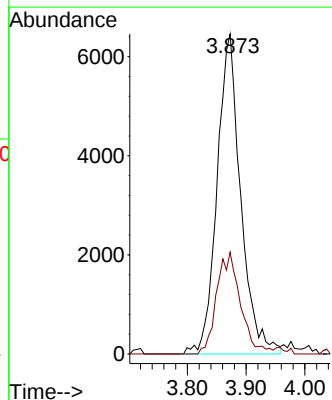
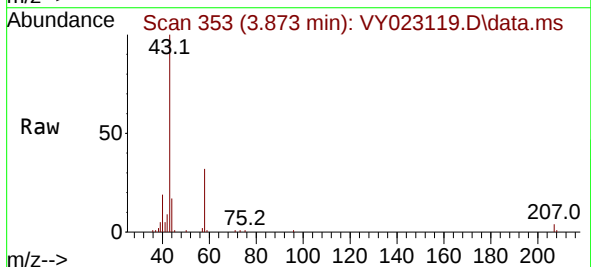
Instrument :
MSVOA_Y
ClientSampleId :
22M-W

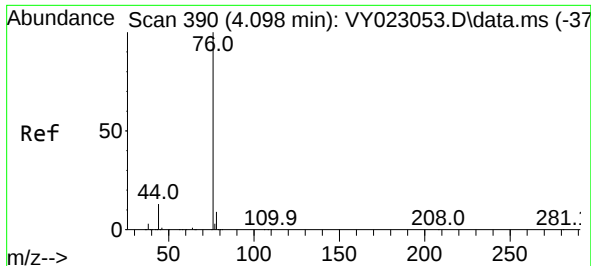
Tgt Ion:168 Resp: 565430
Ion Ratio Lower Upper
168 100
99 54.7 42.8 64.2



#16
Acetone
Concen: 15.462 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

Tgt Ion: 43 Resp: 18052
Ion Ratio Lower Upper
43 100
58 31.8 27.1 40.7

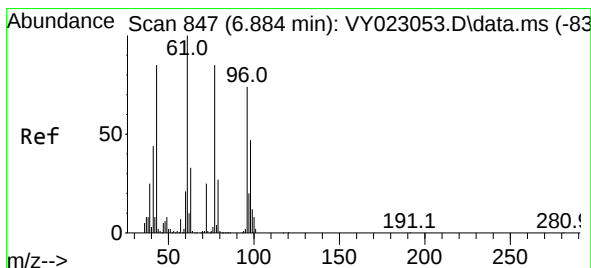
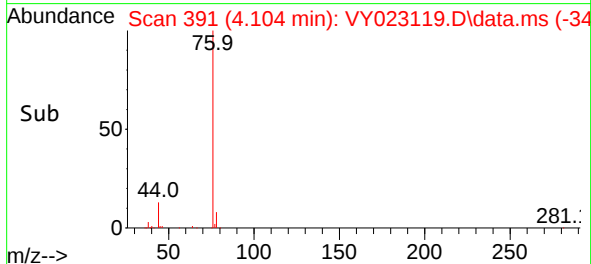
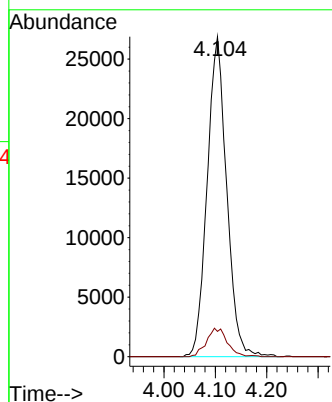
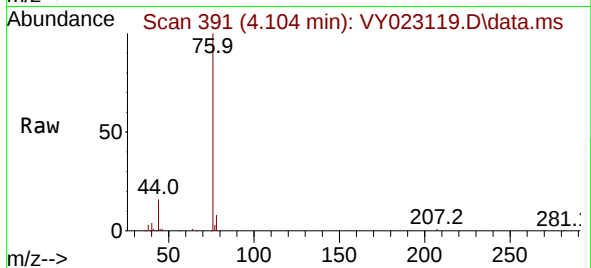




#17
Carbon Disulfide
Concen: 3.992 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

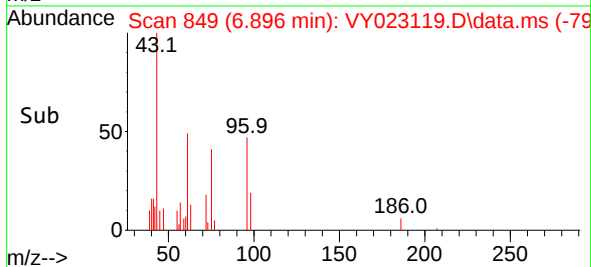
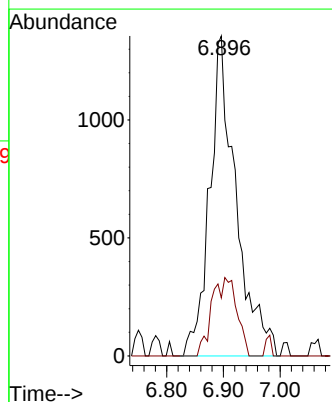
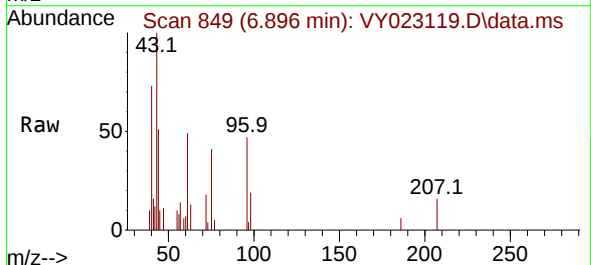
Instrument :
MSVOA_Y
ClientSampleId :
22M-W

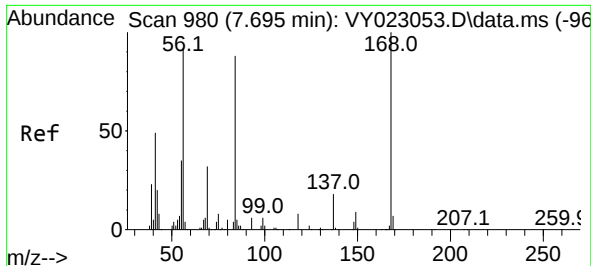
Tgt Ion: 76 Resp: 70916
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.2



#25
2-Butanone
Concen: 2.754 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

Tgt Ion: 43 Resp: 4373
Ion Ratio Lower Upper
43 100
72 18.1 23.5 35.3#

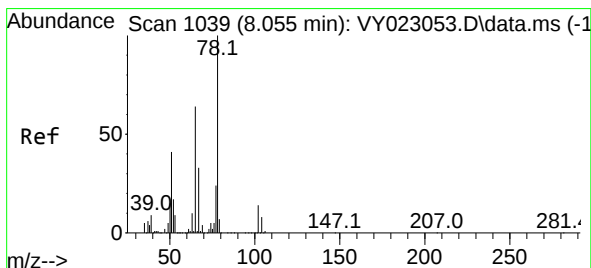
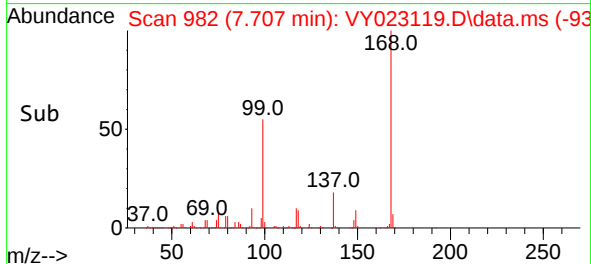
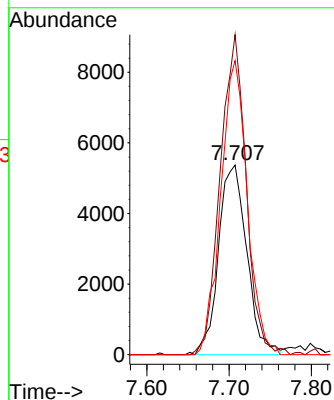
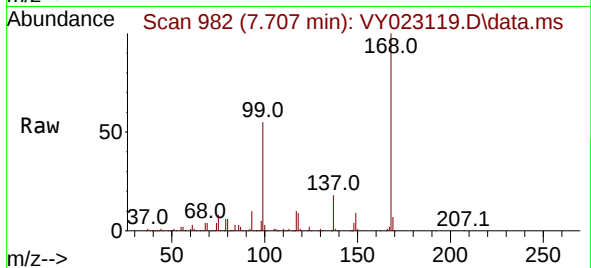




#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

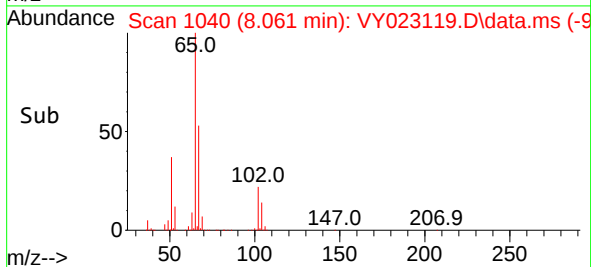
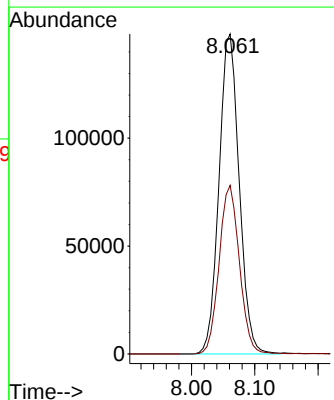
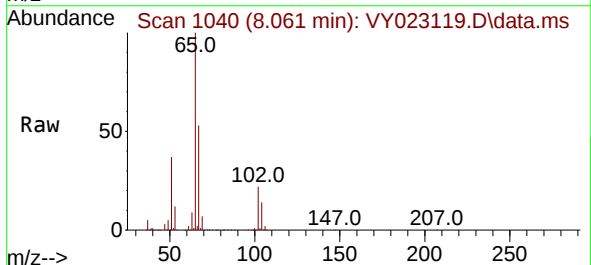
Instrument :
MSVOA_Y
ClientSampleId :
22M-W

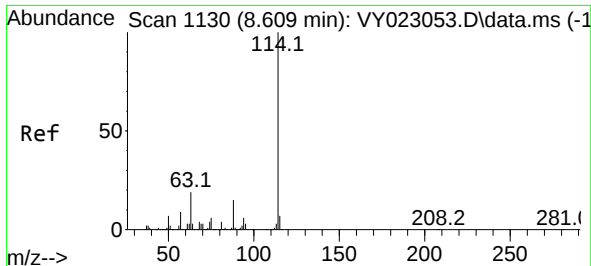
Tgt Ion: 56 Resp: 12860
Ion Ratio Lower Upper
56 100
69 168.8 28.2 42.2#
84 155.1 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 60.815 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

Tgt Ion: 65 Resp: 327727
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8

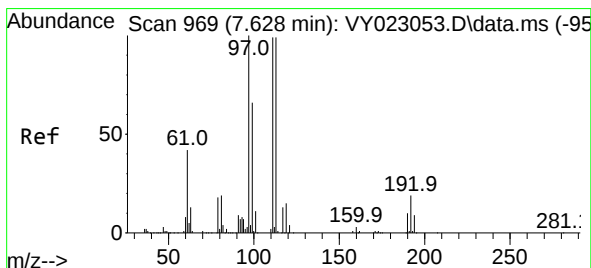
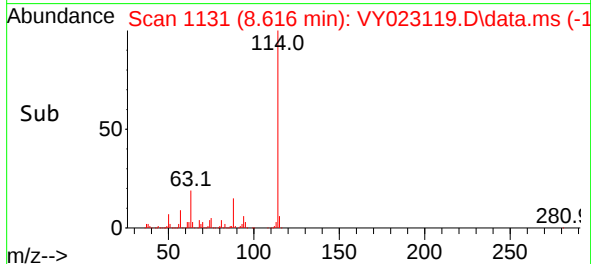
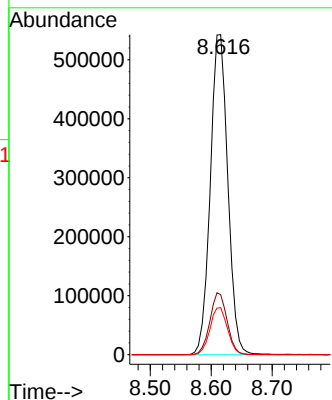
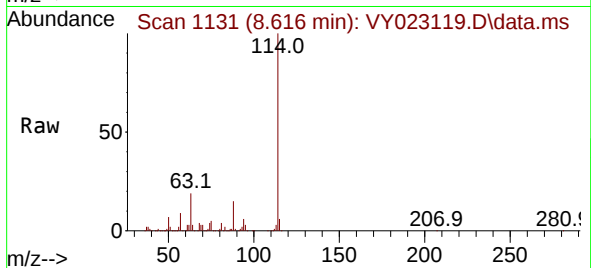




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

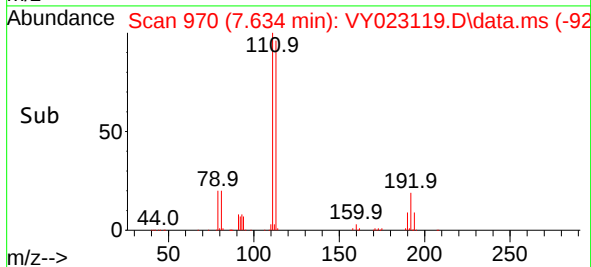
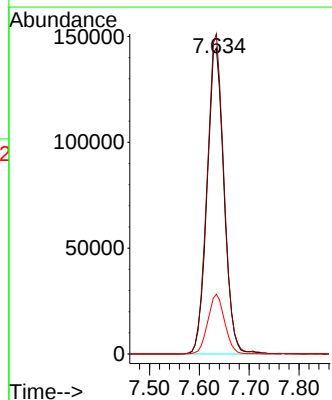
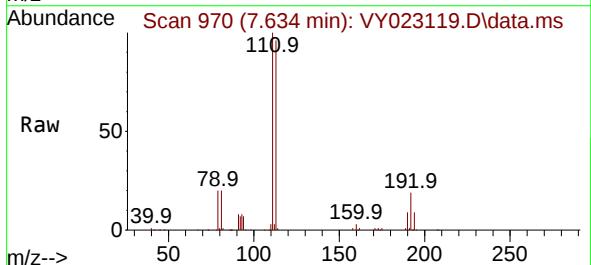
Instrument :
MSVOA_Y
ClientSampleId :
22M-W

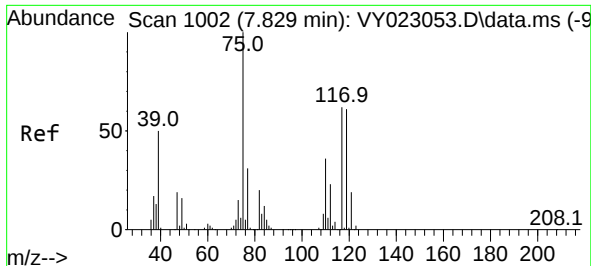
Tgt Ion:114 Resp: 1082388
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.799 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

Tgt Ion:113 Resp: 341964
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 19.3 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.619 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023119.D

Acq: 15 Aug 2025 12:18

Instrument :

MSVOA_Y

ClientSampleId :

22M-W

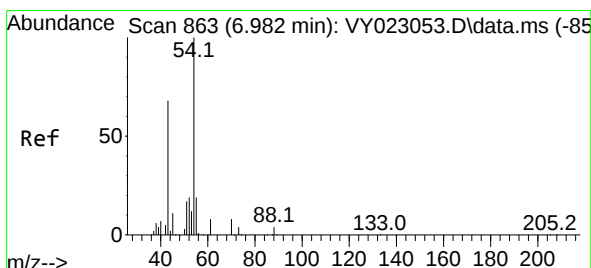
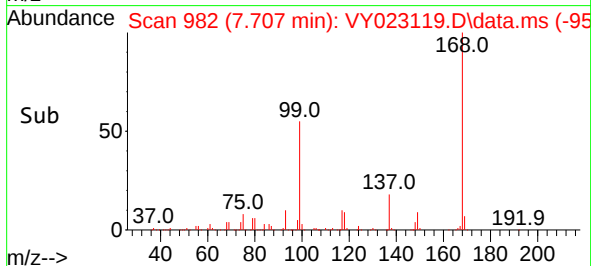
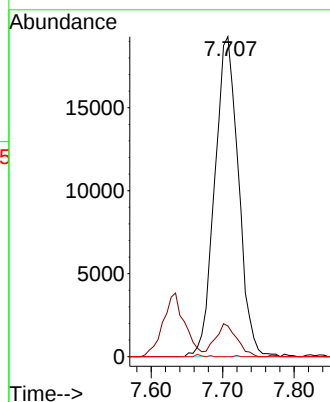
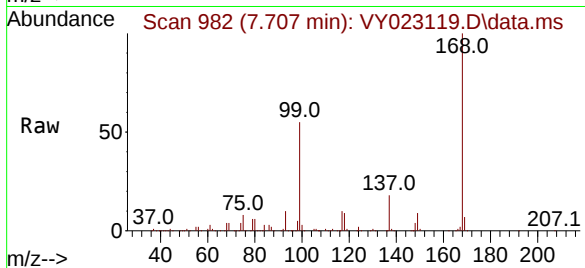
Tgt Ion: 75 Resp: 44463

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.4#

77 0.1 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.082 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.085 min

Lab File: VY023119.D

Acq: 15 Aug 2025 12:18

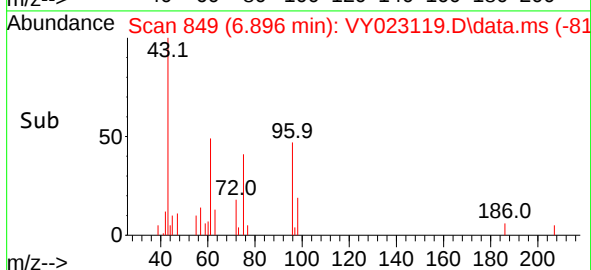
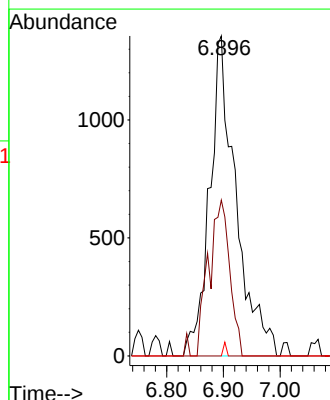
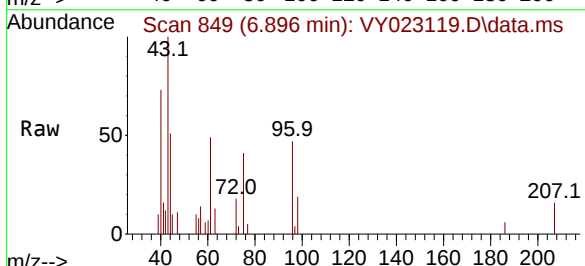
Tgt Ion: 43 Resp: 4373

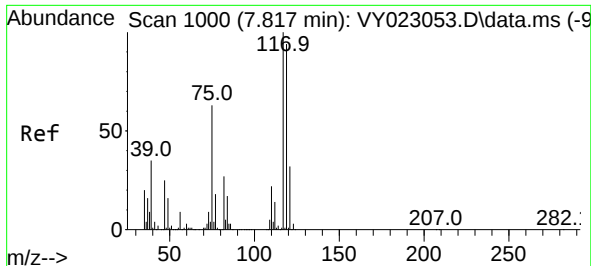
Ion Ratio Lower Upper

43 100

61 38.8 11.9 17.9#

70 0.5 8.8 13.2#

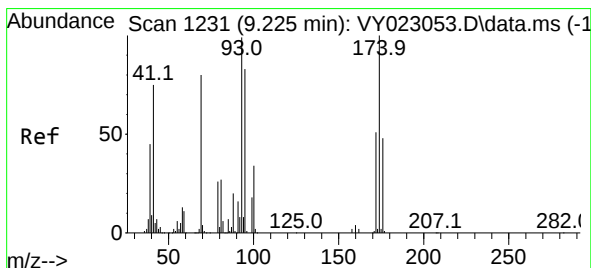
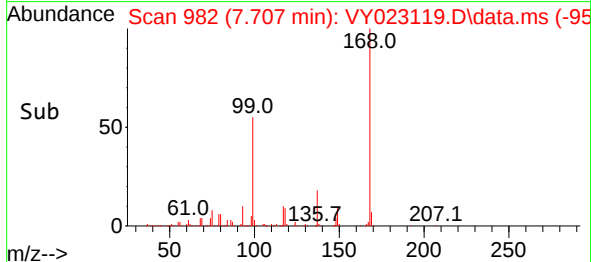
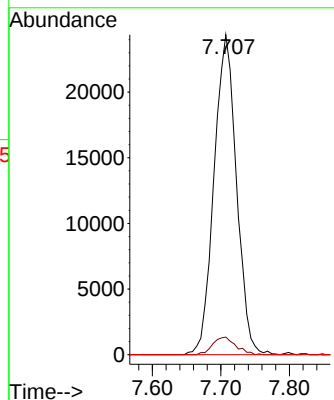
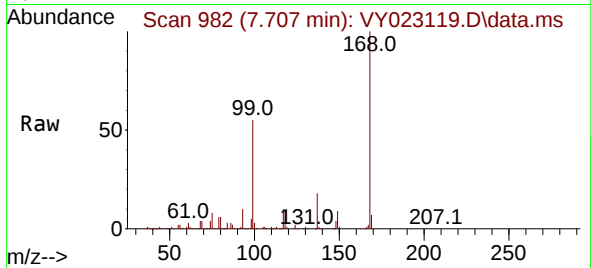




#38
Carbon Tetrachloride
Concen: 5.307 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

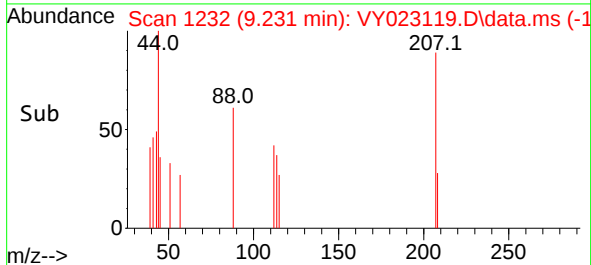
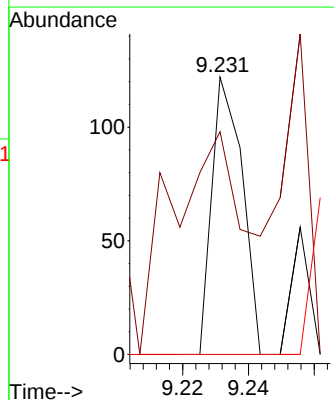
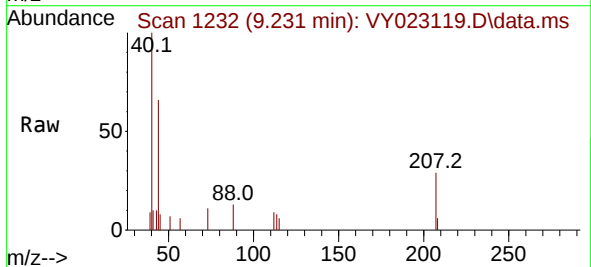
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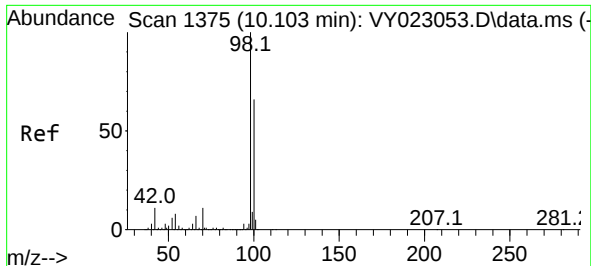
Tgt Ion:117 Resp: 55478
Ion Ratio Lower Upper
117 100
119 5.5 75.6 113.4#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 1.698 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.006 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 197.4 24.3 36.5#
58 0.0 55.4 83.0#

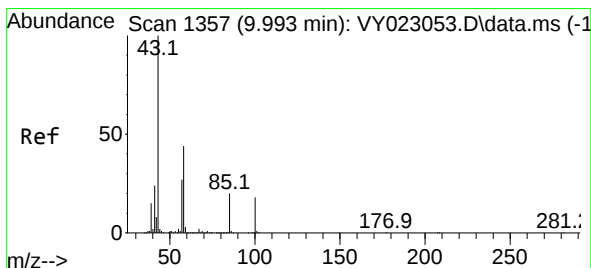
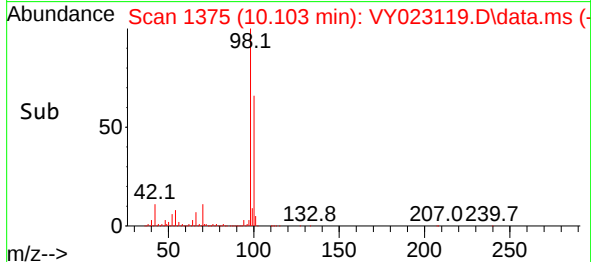
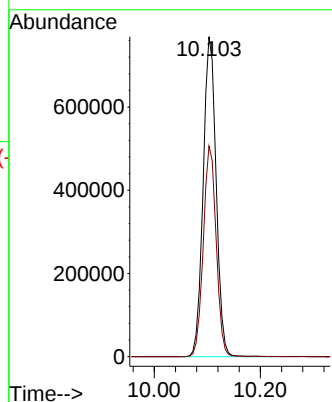
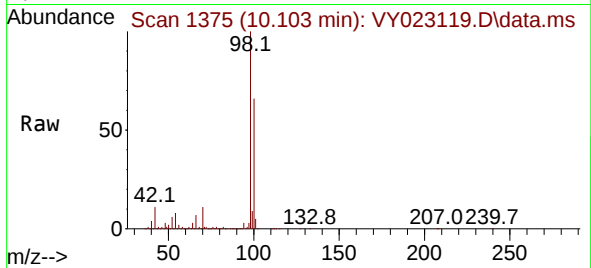




#50
Toluene-d8
Concen: 51.545 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

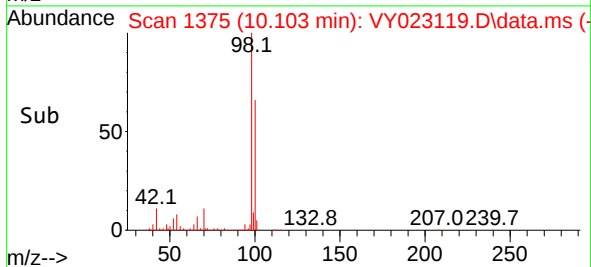
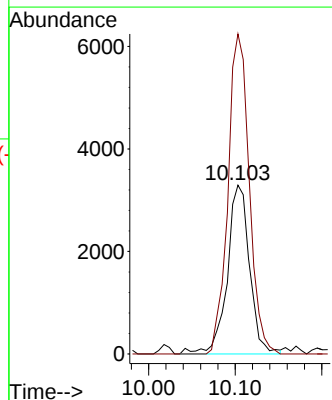
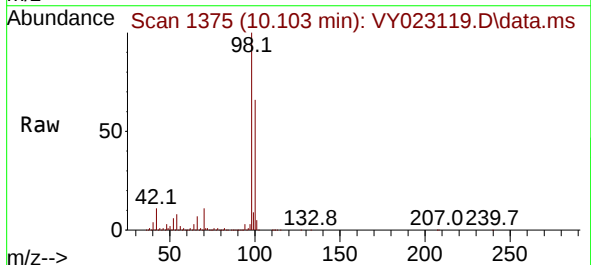
Instrument :
MSVOA_Y
ClientSampleId :
22M-W

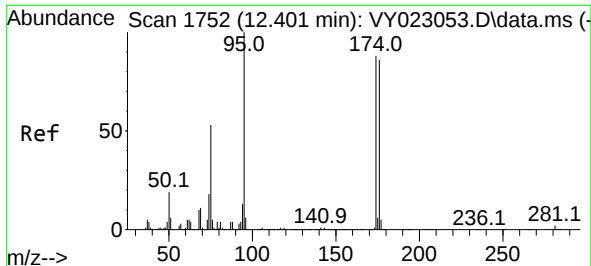
Tgt Ion: 98 Resp: 1304177
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.399 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

Tgt Ion: 43 Resp: 5899
Ion Ratio Lower Upper
43 100
58 181.0 33.5 50.3#

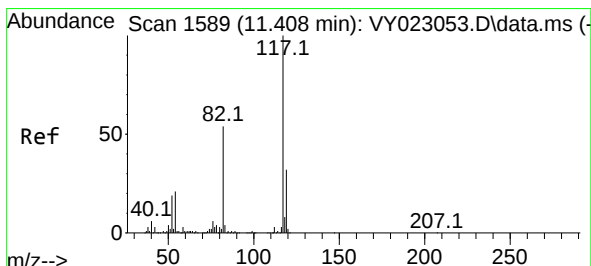
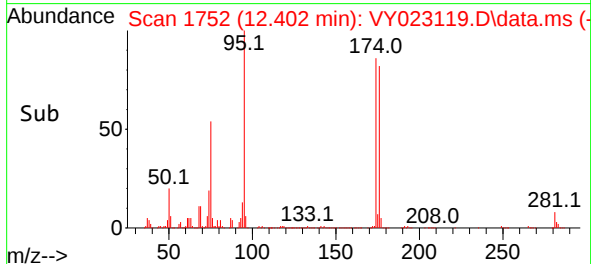
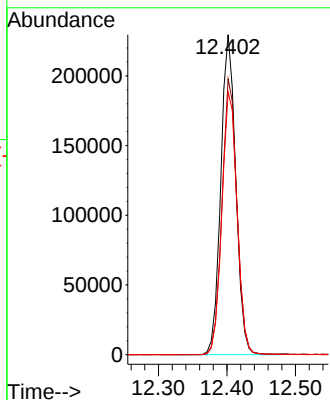
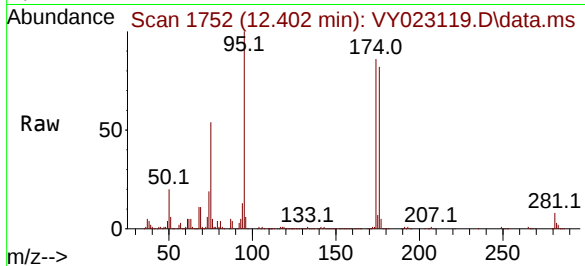




#62
4-Bromofluorobenzene
Concen: 42.610 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

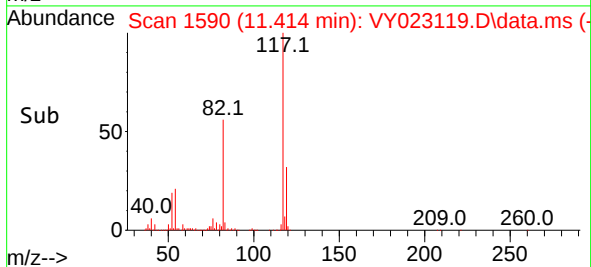
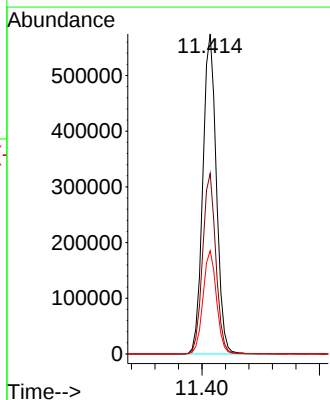
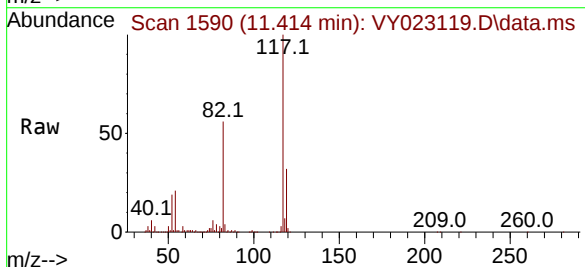
Instrument :
MSVOA_Y
ClientSampleId :
22M-W

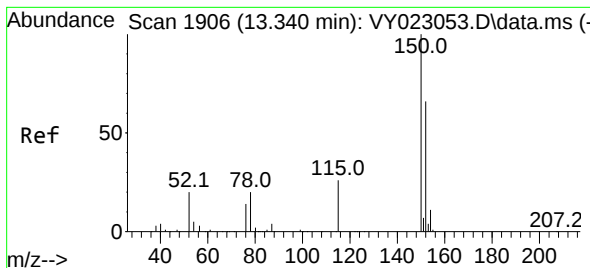
Tgt Ion: 95 Resp: 346717
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 83.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

Tgt Ion: 117 Resp: 919769
Ion Ratio Lower Upper
117 100
82 56.4 43.4 65.0
119 32.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023119.D

Acq: 15 Aug 2025 12:18

Instrument :

MSVOA_Y

ClientSampleId :

22M-W

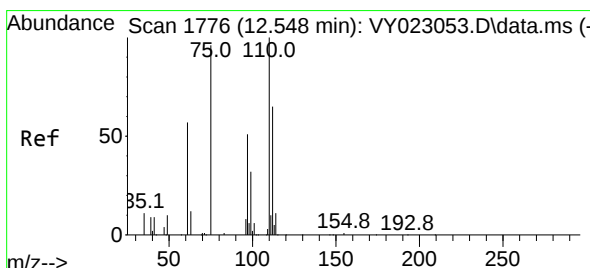
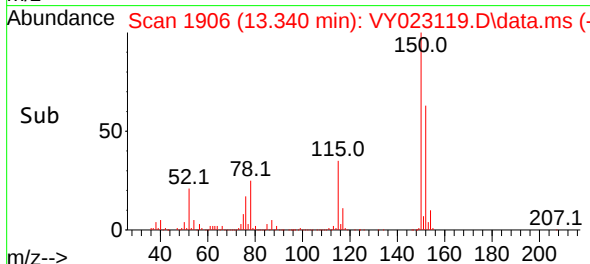
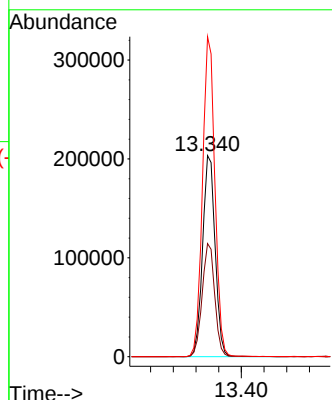
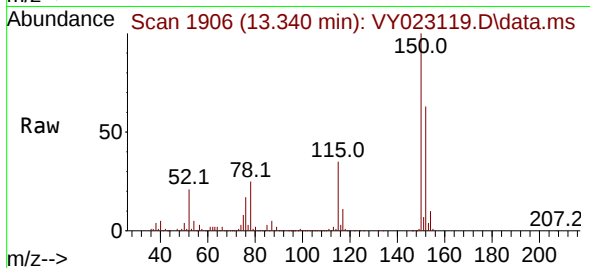
Tgt Ion:152 Resp: 311657

Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.6

150 157.4 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 61.938 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023119.D

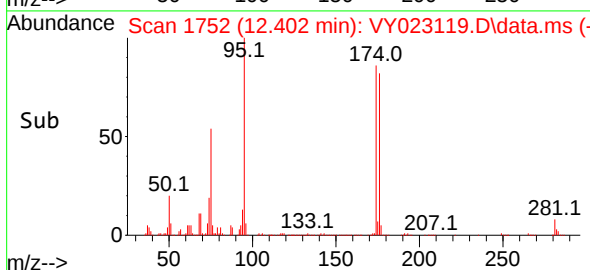
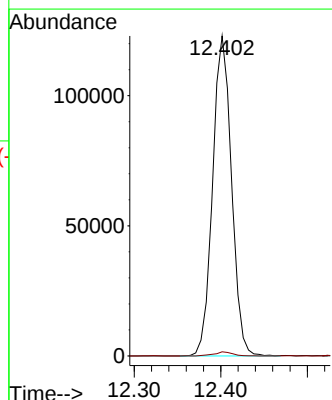
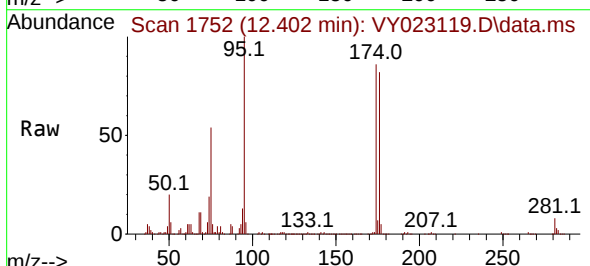
Acq: 15 Aug 2025 12:18

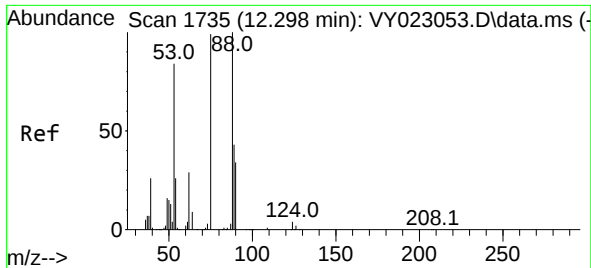
Tgt Ion: 75 Resp: 186297

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 149.931 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023119.D
 Acq: 15 Aug 2025 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-W

Tgt Ion: 75 Resp: 186297
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.3 38.1 57.1#

