

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
 Data File : VY023044.D
 Acq On : 22 Jul 2025 14:25
 Operator : SY/MD
 Sample : Q2651-05
 Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 9-8RE

Quant Time: Jul 23 02:04:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

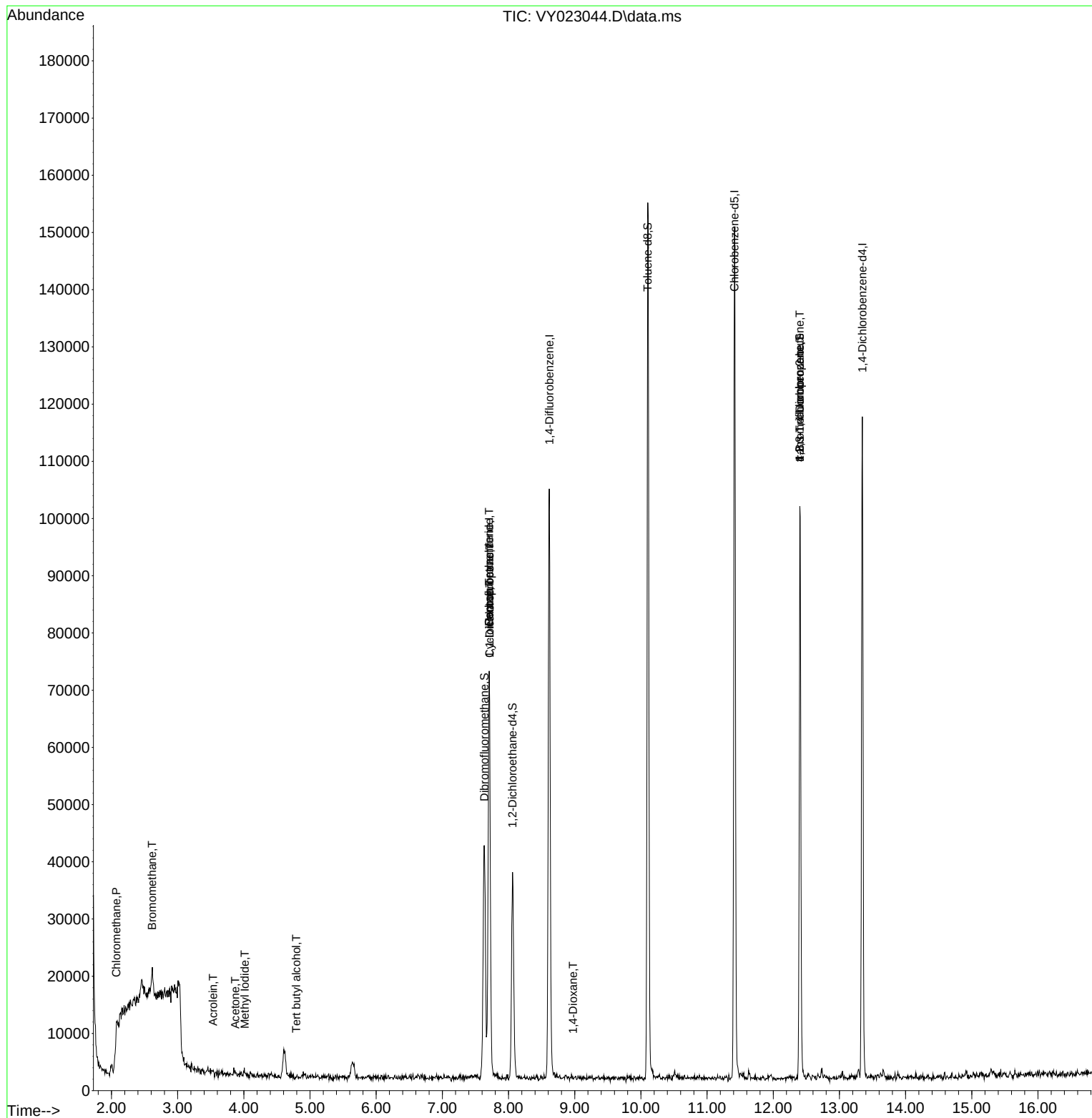
Internal Standards						
1) Pentafluorobenzene	7.707	168	52570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	87688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	80835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	28117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	28882	54.271	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.540%			
35) Dibromofluoromethane	7.634	113	29665	53.332	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.660%			
50) Toluene-d8	10.103	98	101584	46.053	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.100%			
62) 4-Bromofluorobenzene	12.401	95	30828	44.398	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.800%			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	1149	1.514	ug/l #	82
5) Bromomethane	2.611	94	2503	3.607	ug/l #	78
10) Methyl Iodide	4.013	142	1020	1.674	ug/l #	76
11) Tert butyl alcohol	4.793	59	38	1.181	ug/l #	73
13) Acrolein	3.537	56	31	2.050	ug/l #	9
16) Acetone	3.872	43	713	7.391	ug/l #	42
20) Methylene Chloride	4.610	84	2885	Below Cal	#	79
31) Cyclohexane	7.713	56	1605	1.515	ug/l #	58
36) 1,1-Dichloropropene	7.713	75	4622	5.275	ug/l #	48
38) Carbon Tetrachloride	7.707	117	5491	5.769	ug/l #	22
49) 1,4-Dioxane	8.975	88	19	5.661	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	16632	47.471	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	16632	141.391	ug/l #	12

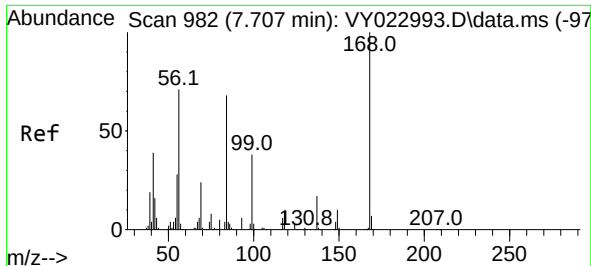
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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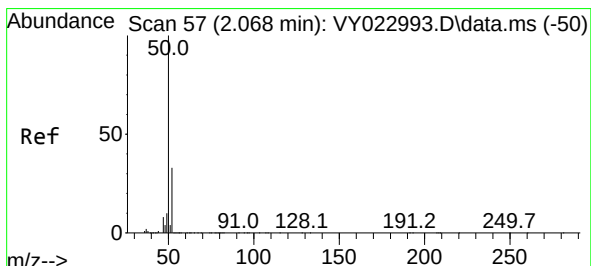
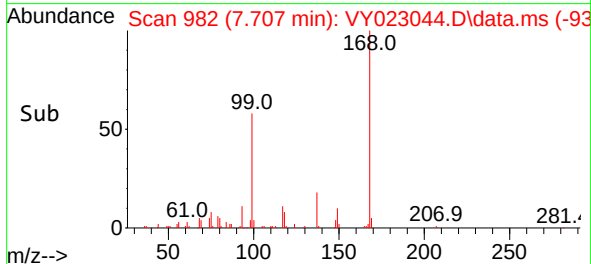
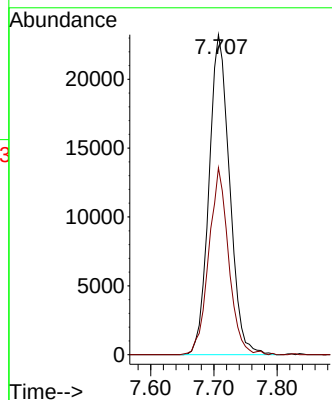
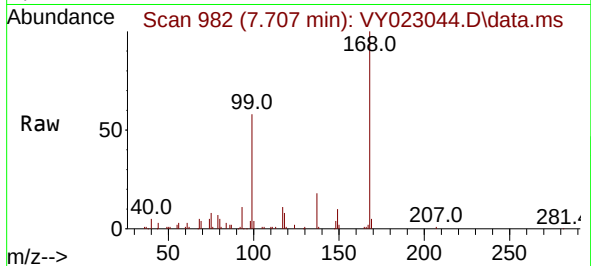




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

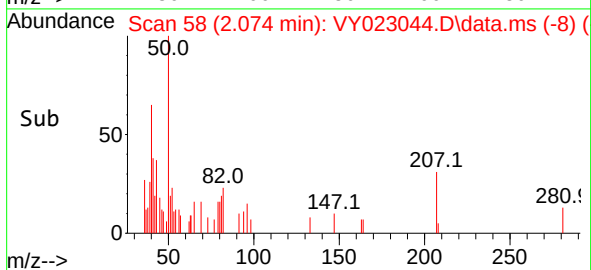
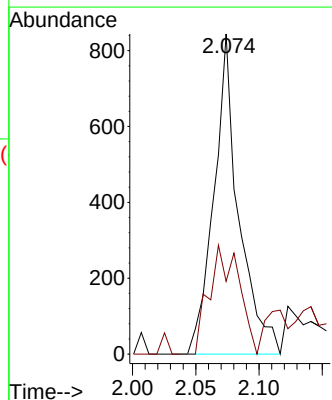
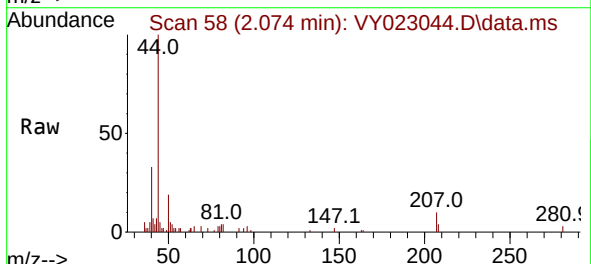
Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8RE

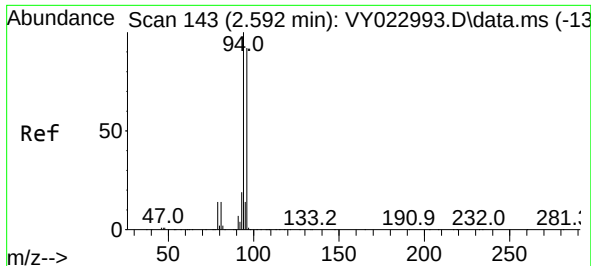
Tgt Ion:168 Resp: 52570
Ion Ratio Lower Upper
168 100
99 58.4 44.4 66.6



#3
Chloromethane
Concen: 1.514 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Tgt Ion: 50 Resp: 1149
Ion Ratio Lower Upper
50 100
52 22.7 26.6 39.8#

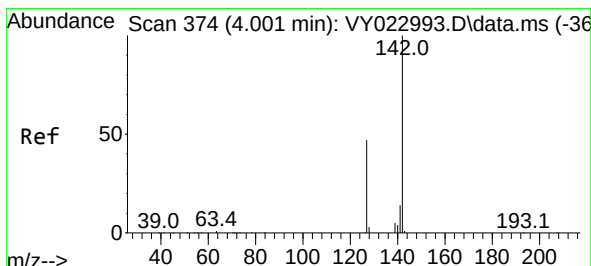
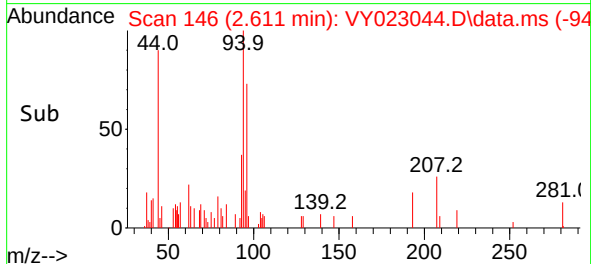
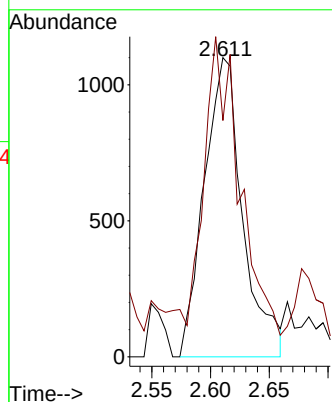
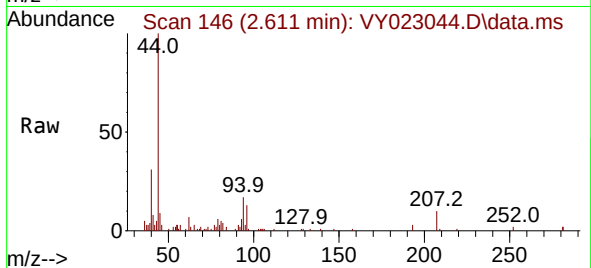




#5
Bromomethane
Concen: 3.607 ug/l
RT: 2.611 min Scan# 143
Delta R.T. 0.018 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

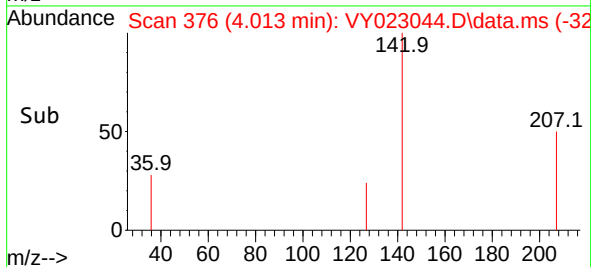
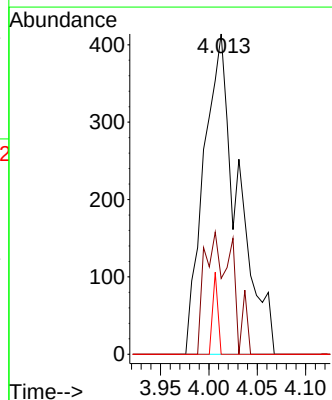
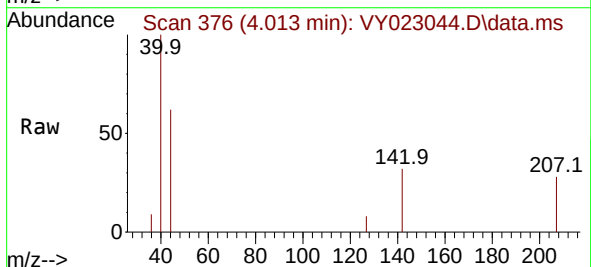
Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8RE

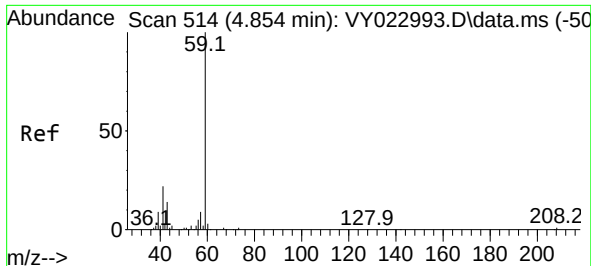
Tgt Ion: 94 Resp: 2503
Ion Ratio Lower Upper
94 100
96 71.8 73.9 110.9#



#10
Methyl Iodide
Concen: 1.674 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Tgt Ion:142 Resp: 1020
Ion Ratio Lower Upper
142 100
127 30.6 37.0 55.6#
141 3.8 11.4 17.2#





#11

Tert butyl alcohol

Concen: 1.181 ug/l

RT: 4.793 min Scan# 50

Delta R.T. -0.061 min

Lab File: VY023044.D

Acq: 22 Jul 2025 14:25

Instrument :

MSVOA_Y

ClientSampleId :

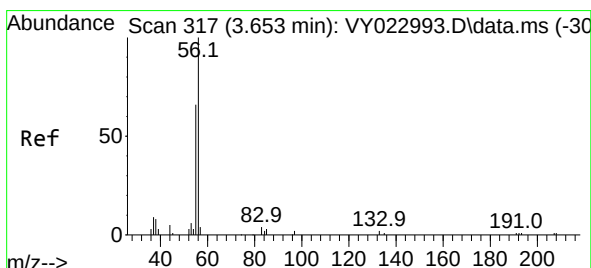
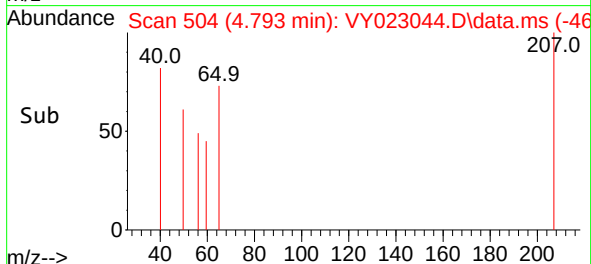
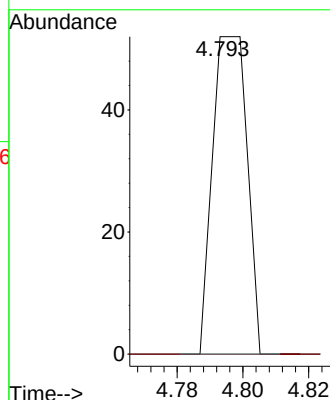
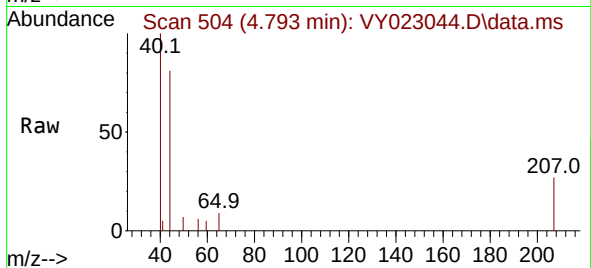
MH 9-8RE

Tgt Ion: 59 Resp: 38

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 2.050 ug/l

RT: 3.537 min Scan# 298

Delta R.T. -0.116 min

Lab File: VY023044.D

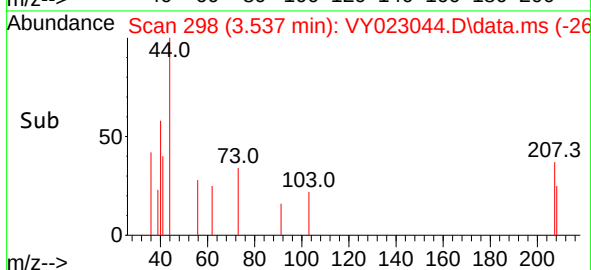
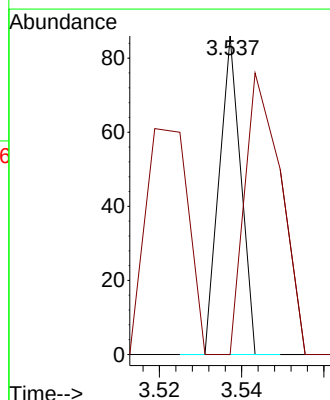
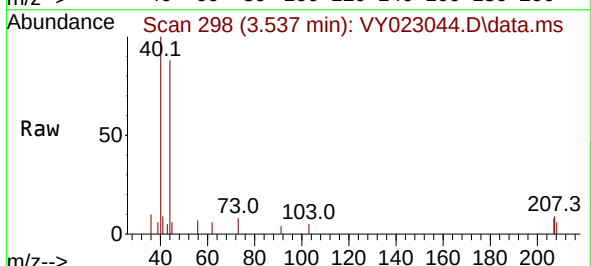
Acq: 22 Jul 2025 14:25

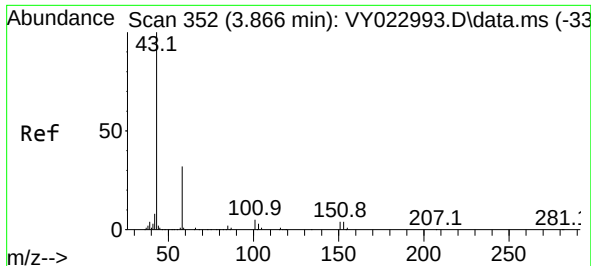
Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

56 100

55 148.4 57.8 86.6#

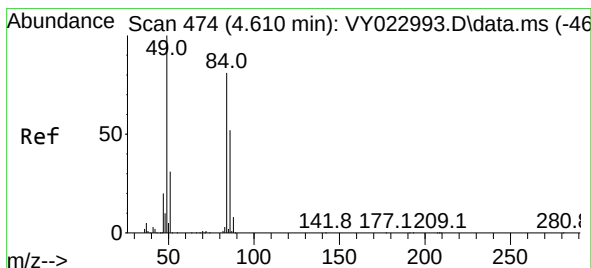
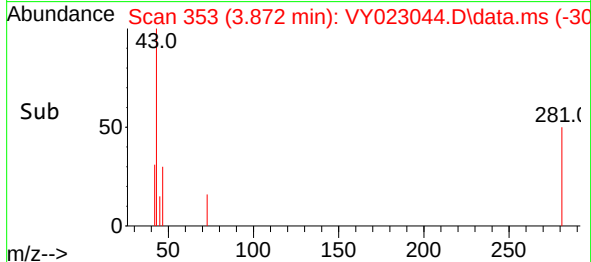
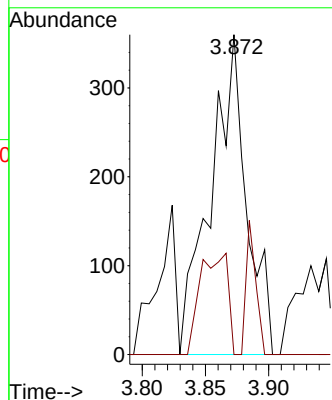
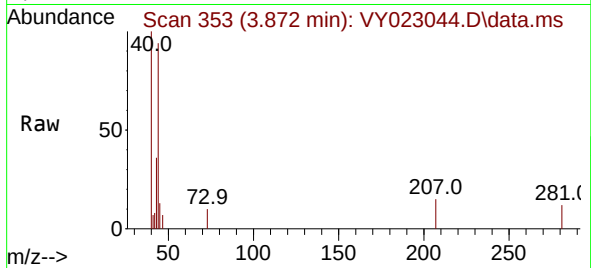




#16
Acetone
Concen: 7.391 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

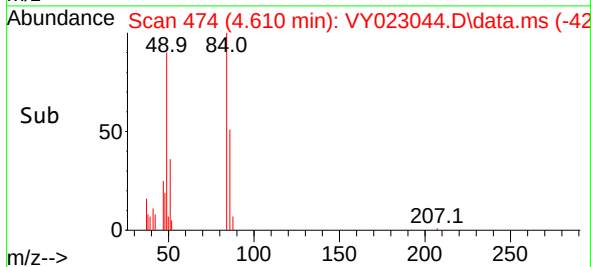
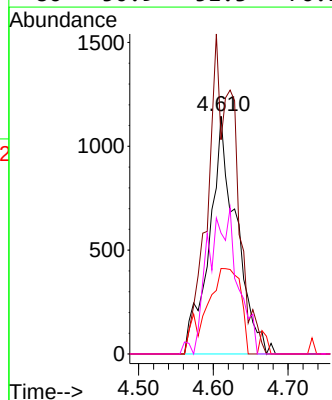
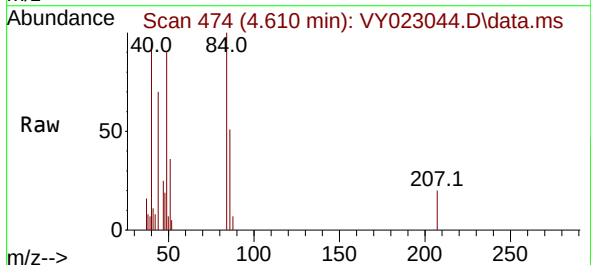
Instrument :
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ClientSampleId :
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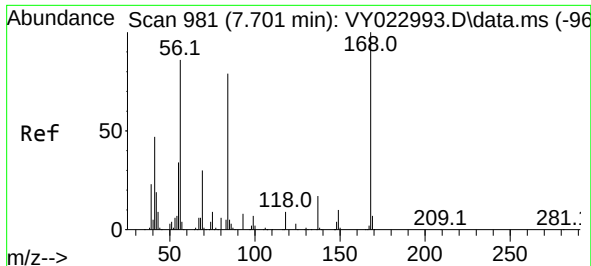
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
58 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Tgt Ion: 84 Resp: 2885
Ion Ratio Lower Upper
84 100
49 90.1 98.2 147.4#
51 36.0 30.5 45.7
86 50.9 51.3 76.9#

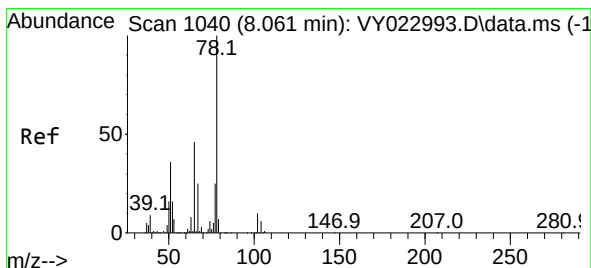
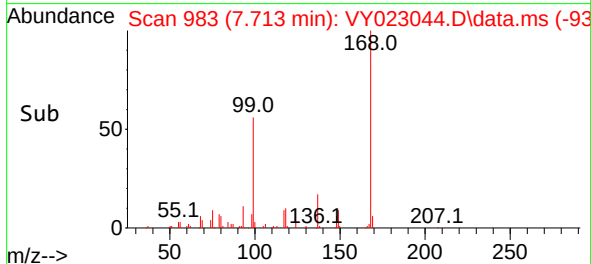
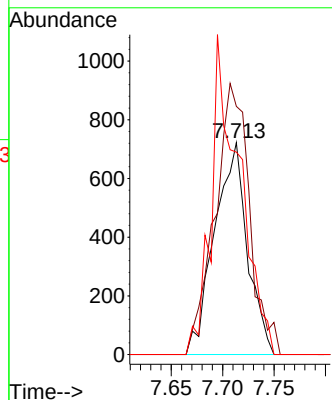
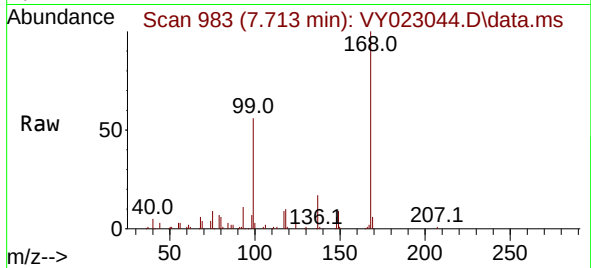




#31
Cyclohexane
Concen: 1.515 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

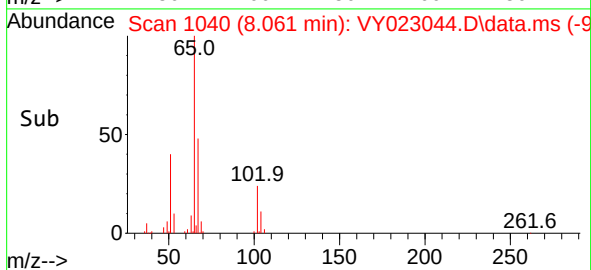
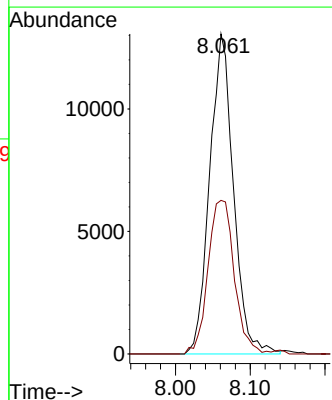
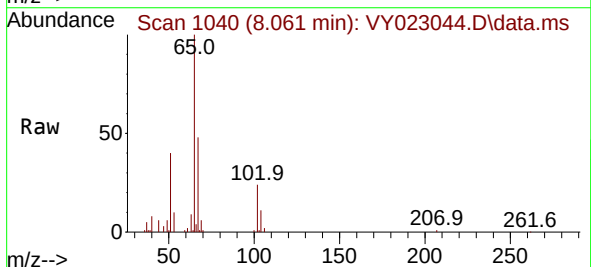
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ClientSampleId :
MH 9-8RE

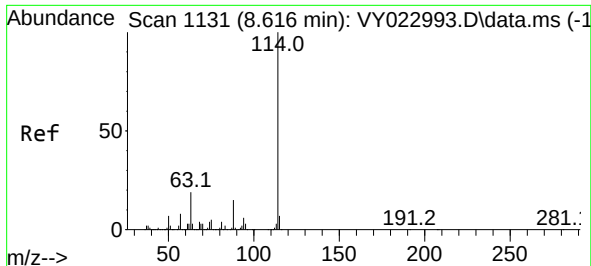
Tgt Ion: 56 Resp: 1605
Ion Ratio Lower Upper
56 100
69 117.2 28.1 42.1#
84 95.6 73.5 110.3



#33
1,2-Dichloroethane-d4
Concen: 54.271 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Tgt Ion: 65 Resp: 28882
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.4

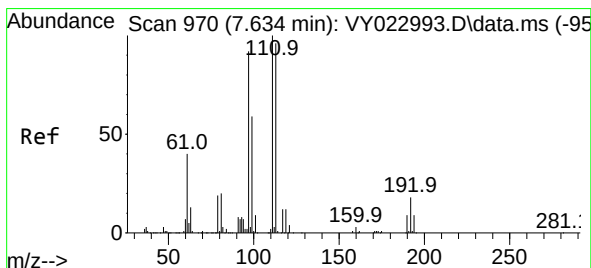
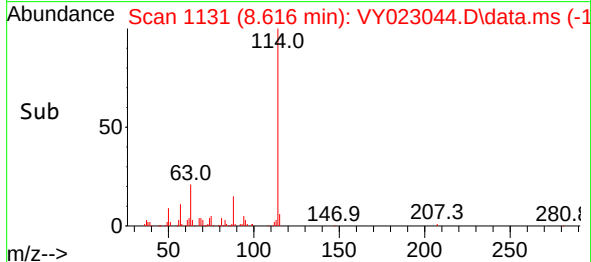
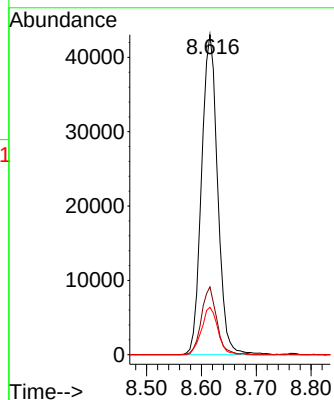
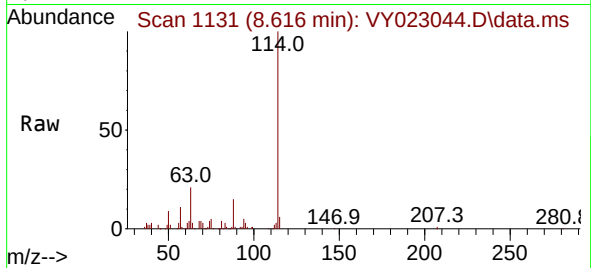




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

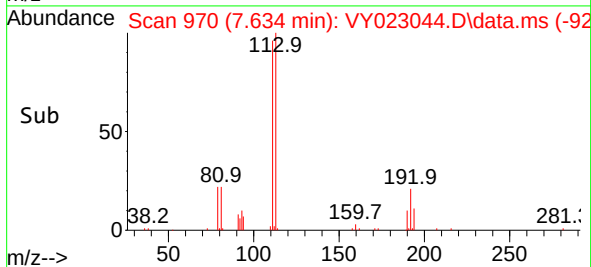
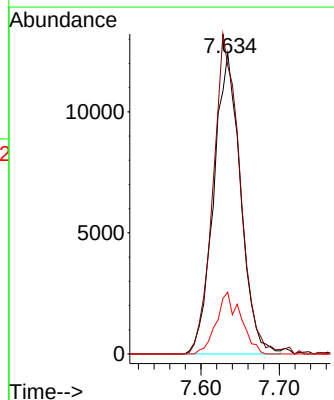
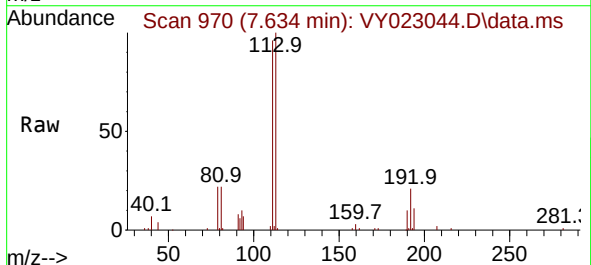
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MH 9-8RE

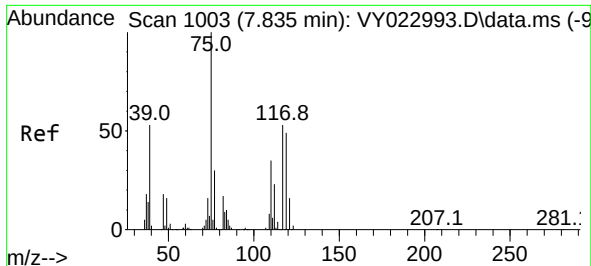
Tgt Ion:114 Resp: 87688
Ion Ratio Lower Upper
114 100
63 21.2 0.0 38.8
88 14.8 0.0 30.2



#35
Dibromofluoromethane
Concen: 53.332 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Tgt Ion:113 Resp: 29665
Ion Ratio Lower Upper
113 100
111 105.5 83.2 124.8
192 18.7 15.3 22.9





#36

1,1-Dichloropropene

Concen: 5.275 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023044.D

Acq: 22 Jul 2025 14:25

Instrument :

MSVOA_Y

ClientSampleId :

MH 9-8RE

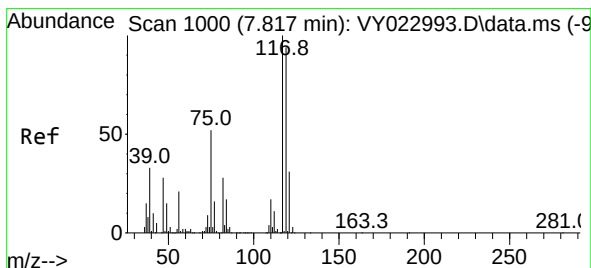
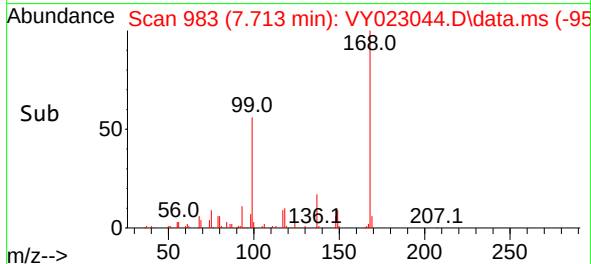
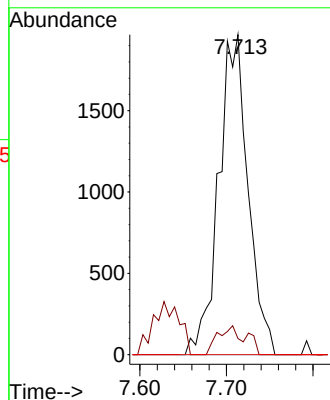
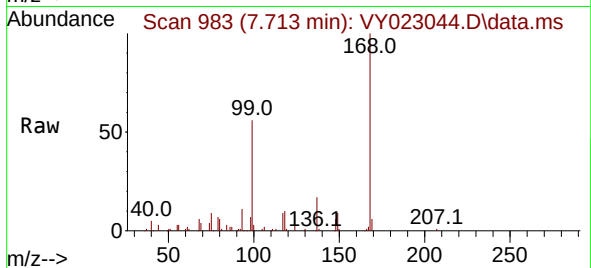
Tgt Ion: 75 Resp: 4622

Ion Ratio Lower Upper

75 100

110 6.5 17.3 51.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.769 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023044.D

Acq: 22 Jul 2025 14:25

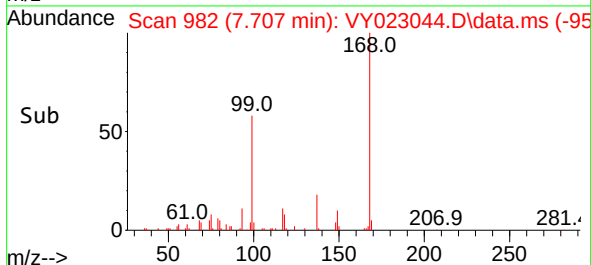
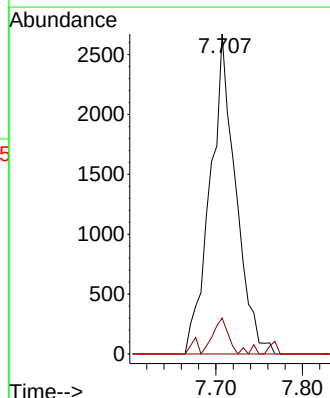
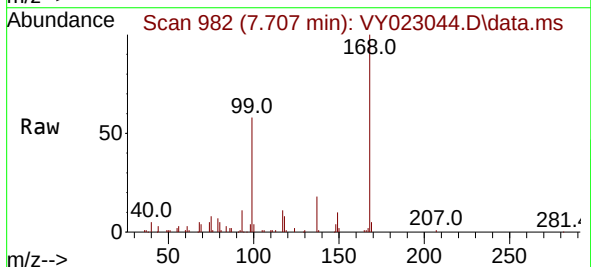
Tgt Ion: 117 Resp: 5491

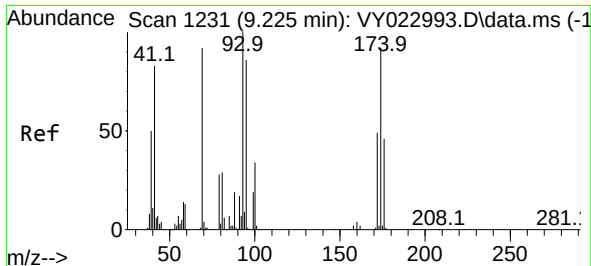
Ion Ratio Lower Upper

117 100

119 11.2 74.9 112.3#

121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 5.661 ug/l

RT: 8.975 min Scan# 1190

Delta R.T. -0.250 min

Lab File: VY023044.D

Acq: 22 Jul 2025 14:25

Instrument :

MSVOA_Y

ClientSampleId :

MH 9-8RE

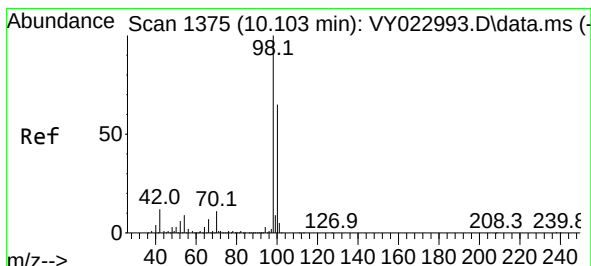
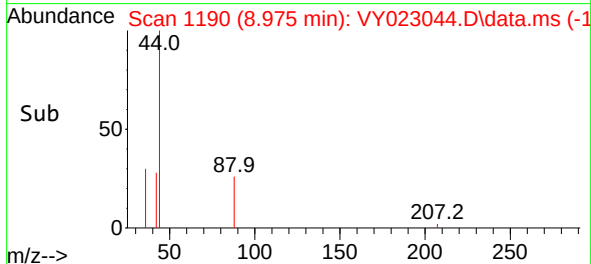
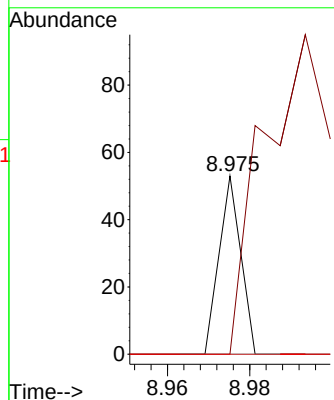
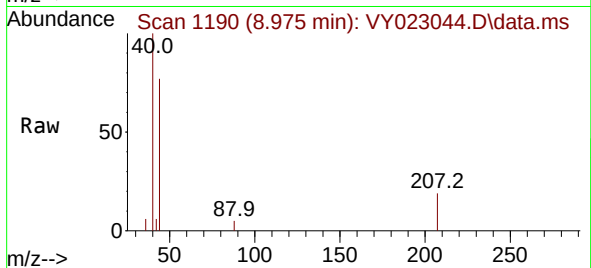
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 757.9 28.7 43.1#

58 0.0 59.8 89.6#



#50

Toluene-d8

Concen: 46.053 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY023044.D

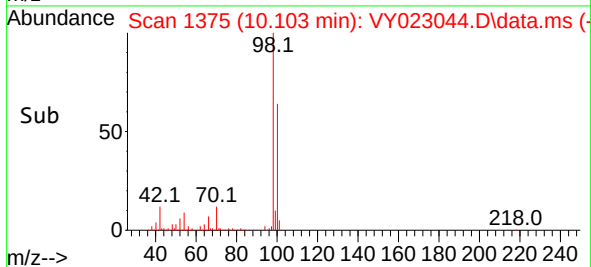
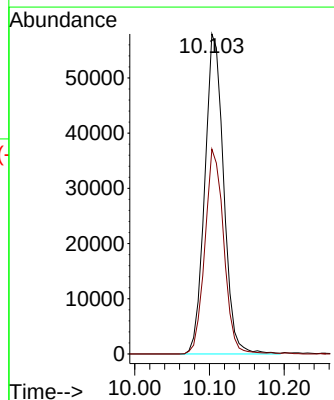
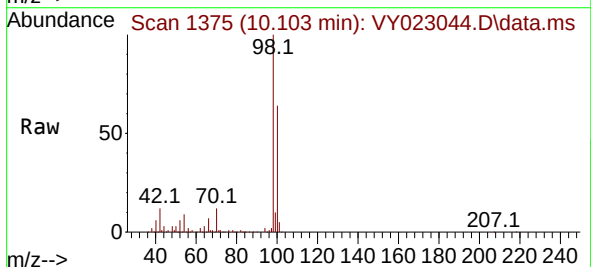
Acq: 22 Jul 2025 14:25

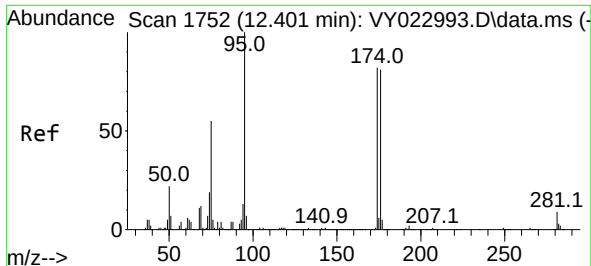
Tgt Ion: 98 Resp: 101584

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.2

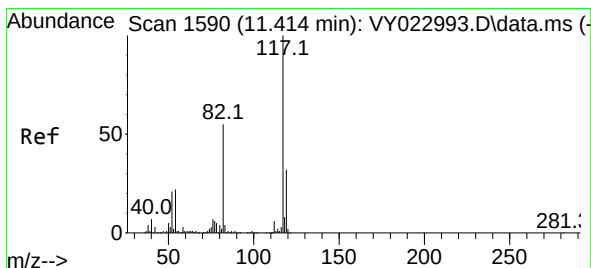
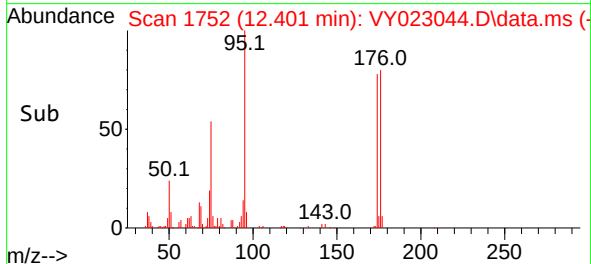
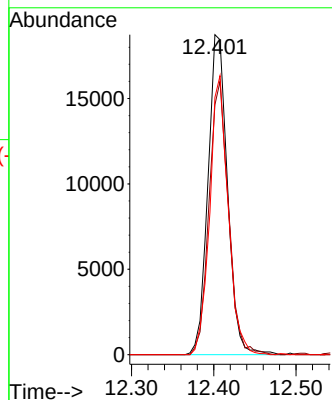
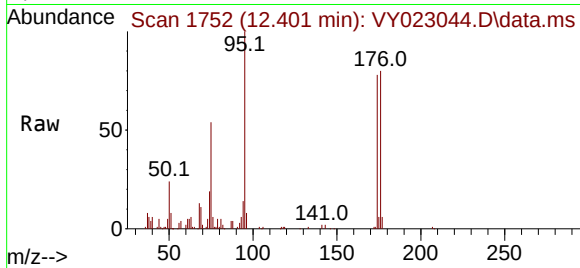




#62
4-Bromofluorobenzene
Concen: 44.398 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

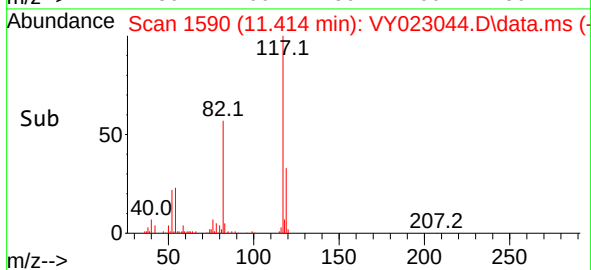
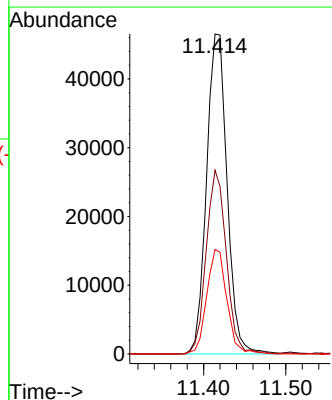
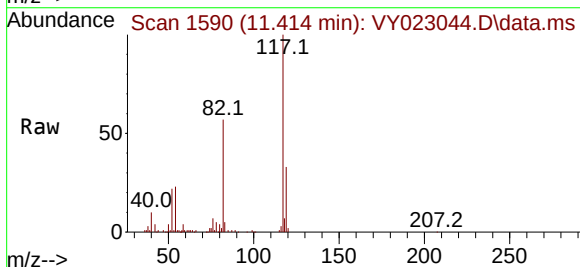
Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8RE

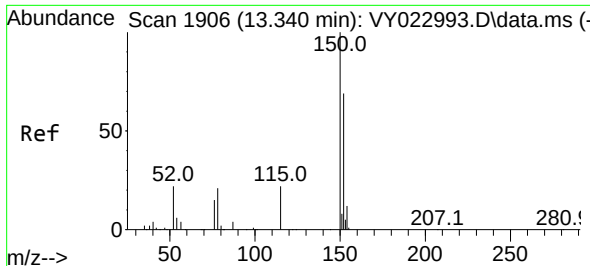
Tgt Ion: 95 Resp: 30828
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.8
176 82.6 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023044.D
Acq: 22 Jul 2025 14:25

Tgt Ion: 117 Resp: 80835
Ion Ratio Lower Upper
117 100
82 57.4 44.3 66.5
119 32.7 25.8 38.8

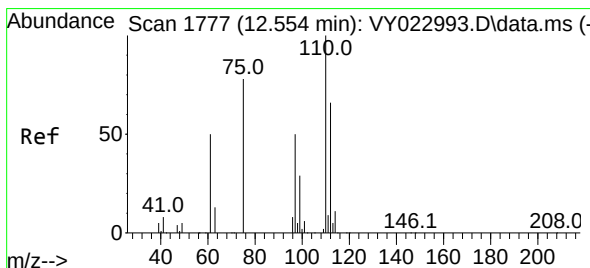
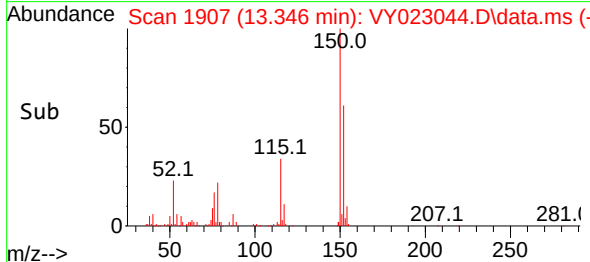
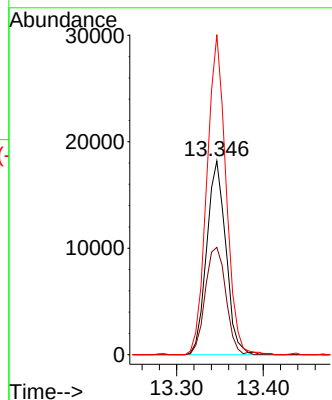
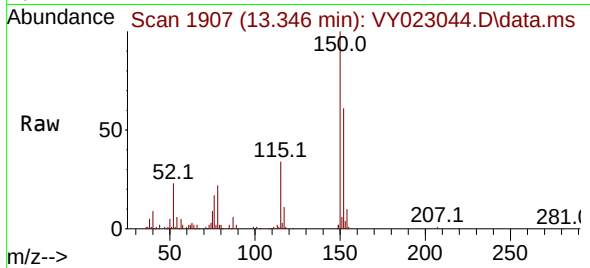




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VY023044.D
 Acq: 22 Jul 2025 14:25

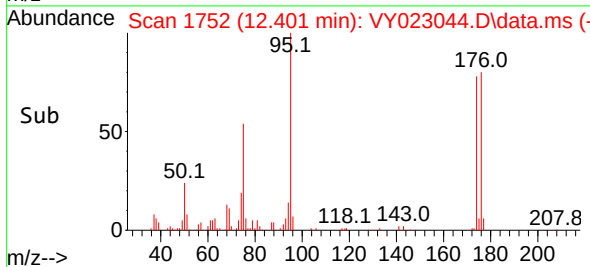
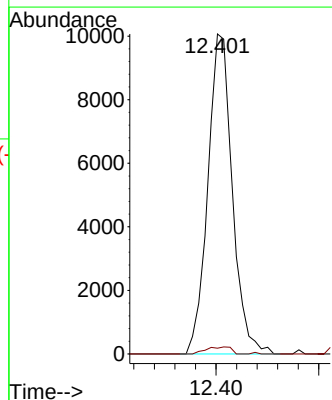
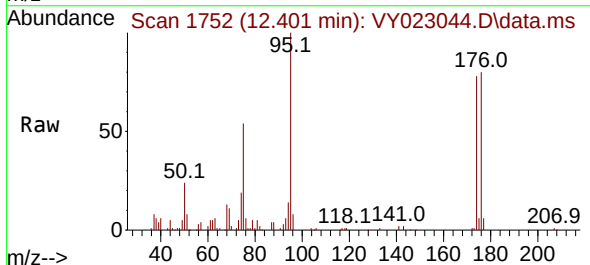
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 9-8RE

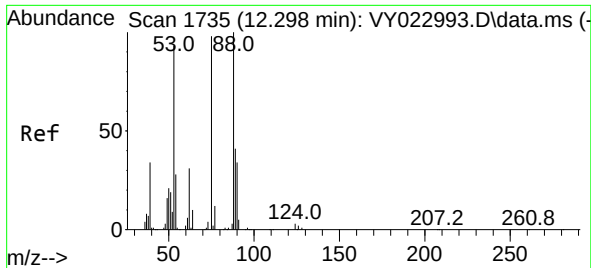
Tgt Ion:152 Resp: 28117
 Ion Ratio Lower Upper
 152 100
 115 59.5 29.4 88.2
 150 164.0 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 47.471 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023044.D
 Acq: 22 Jul 2025 14:25

Tgt Ion: 75 Resp: 16632
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.391 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023044.D
 Acq: 22 Jul 2025 14:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 9-8RE

Tgt Ion: 75 Resp: 16632
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.1 36.1 54.1#

