

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022916.D
 Acq On : 02 Jul 2025 16:43
 Operator : SY/MD
 Sample : Q2458-09
 Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-59

Quant Time: Jul 03 02:24:49 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)

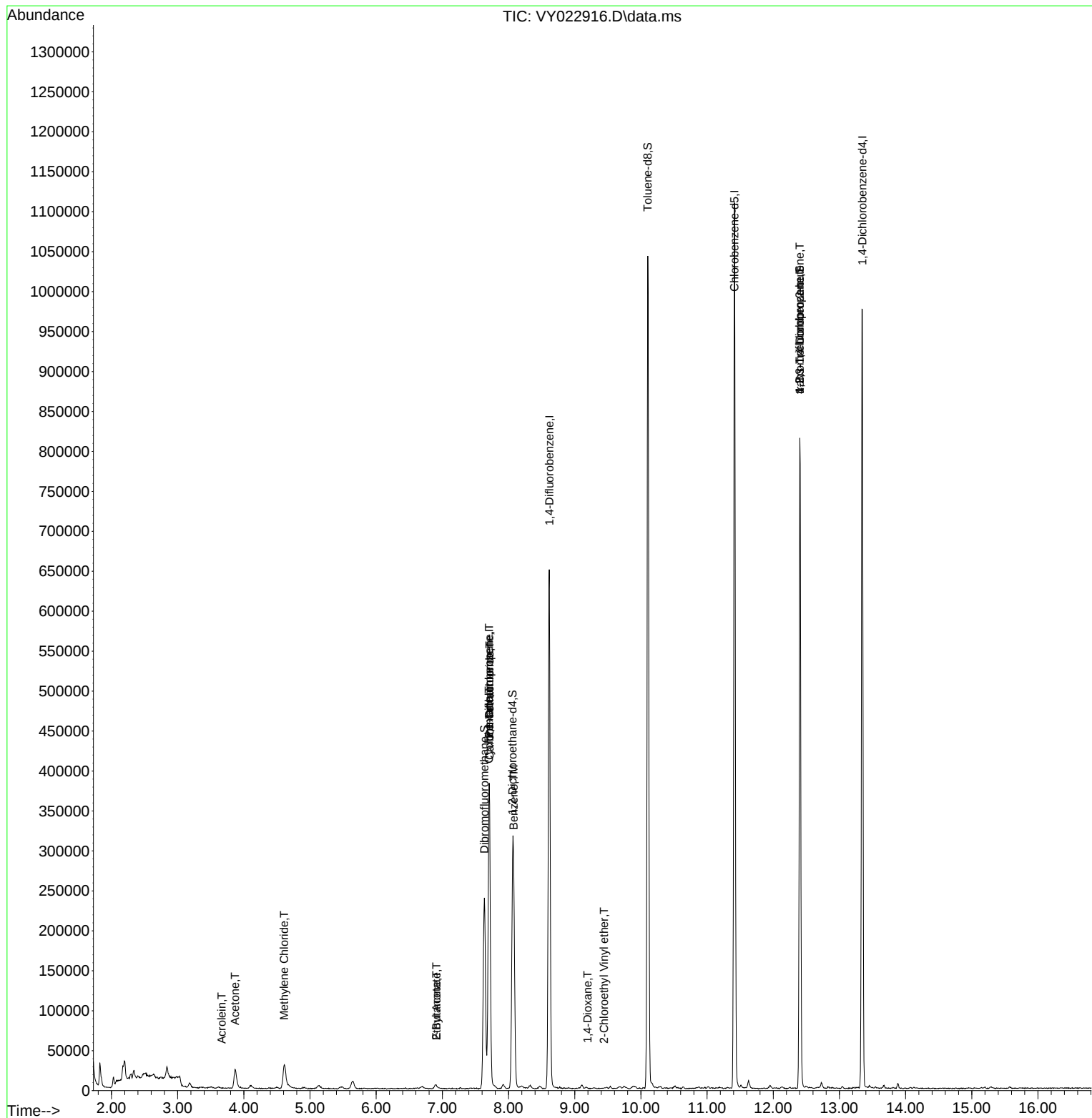
Internal Standards						
1) Pentafluorobenzene	7.707	168	283498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	538609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	550757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	239711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	173927	54.968	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.940%	
35) Dibromofluoromethane	7.634	113	173711	53.032	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.060%	
50) Toluene-d8	10.103	98	667759	51.374	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.740%	
62) 4-Bromofluorobenzene	12.401	95	238321	57.036	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.080%	
Target Compounds						
					Qvalue	
13) Acrolein	3.665	56	459	1.609	ug/l #	14
16) Acetone	3.866	43	41878	70.025	ug/l	99
20) Methylene Chloride	4.610	84	20565	5.445	ug/l	94
25) 2-Butanone	6.909	43	8896	10.221	ug/l #	87
31) Cyclohexane	7.701	56	9542	1.756	ug/l #	42
36) 1,1-Dichloropropene	7.707	75	24298	4.894	ug/l #	51
37) Ethyl Acetate	6.909	43	8896	4.152	ug/l #	69
38) Carbon Tetrachloride	7.713	117	28877	5.512	ug/l #	18
40) Benzene	8.079	78	160046	10.485	ug/l	99
49) 1,4-Dioxane	9.195	88	34	1.419	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.445	63	35	15.673	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	135185	55.240	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	135185	139.557	ug/l #	11

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

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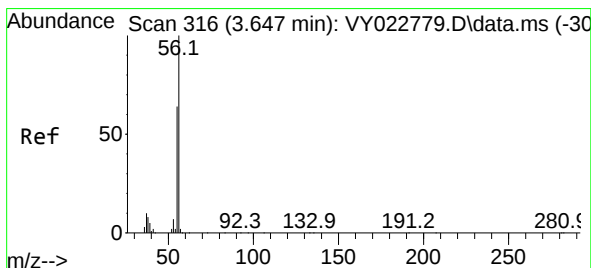
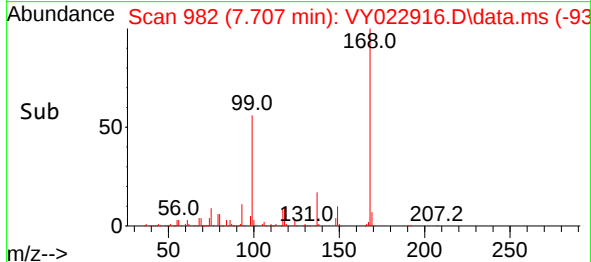
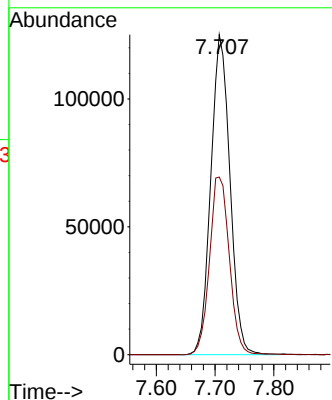
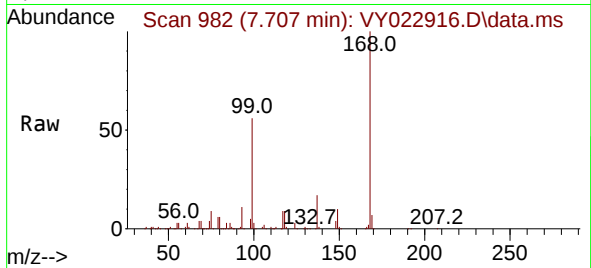




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

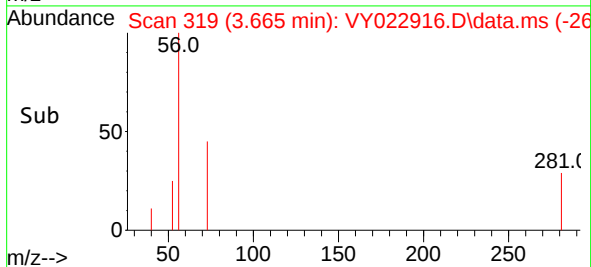
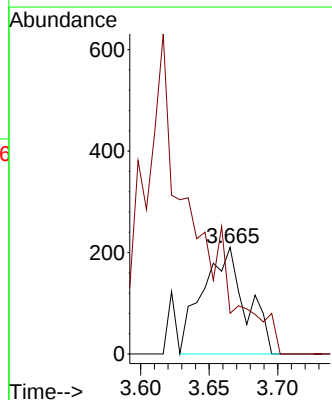
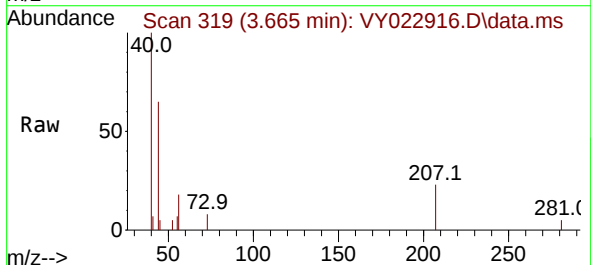
Instrument :
MSVOA_Y
ClientSampleId :
TP-59

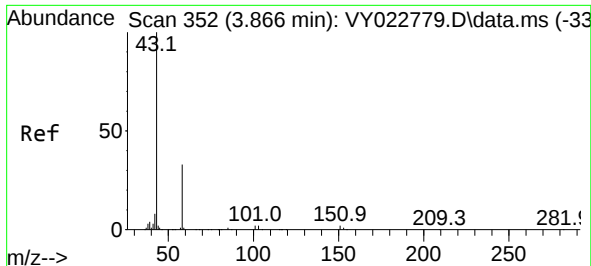
Tgt Ion:168 Resp: 283498
Ion Ratio Lower Upper
168 100
99 55.5 44.3 66.5



#13
Acrolein
Concen: 1.609 ug/l
RT: 3.665 min Scan# 319
Delta R.T. 0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

Tgt Ion: 56 Resp: 459
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#

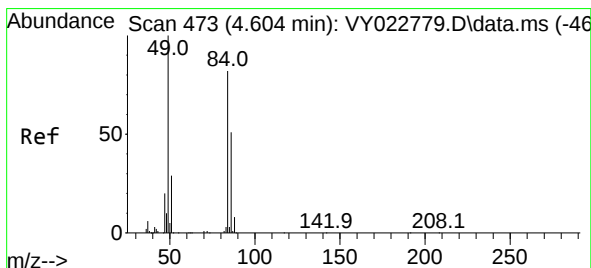
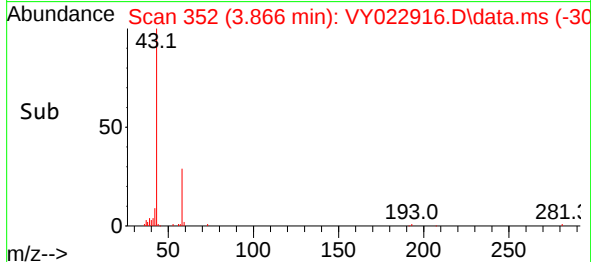
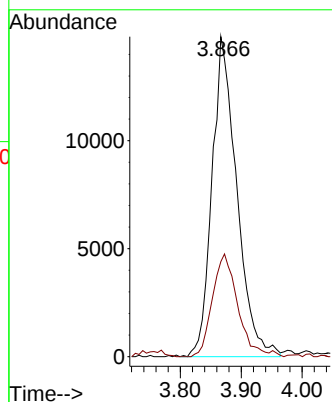
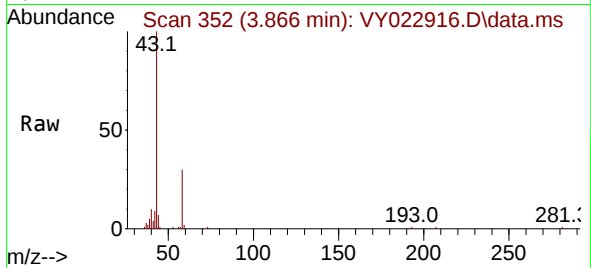




#16
Acetone
Concen: 70.025 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

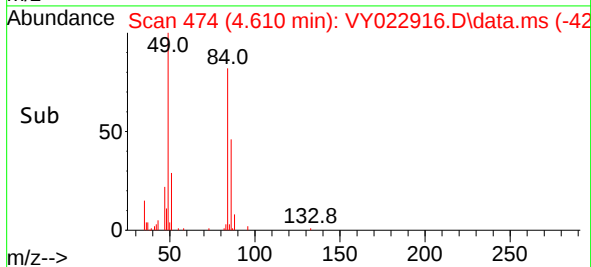
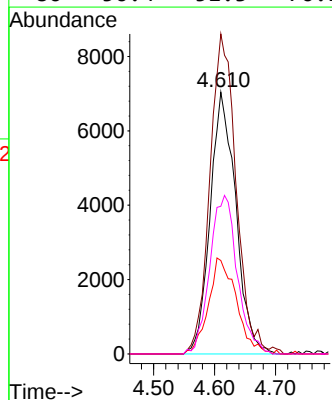
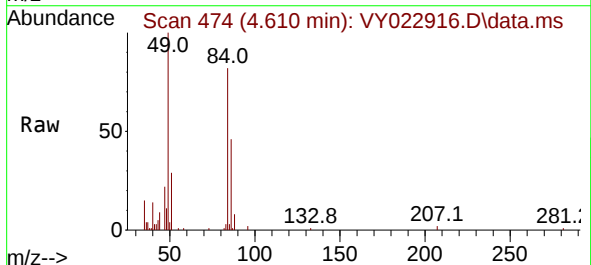
Instrument :
MSVOA_Y
ClientSampleId :
TP-59

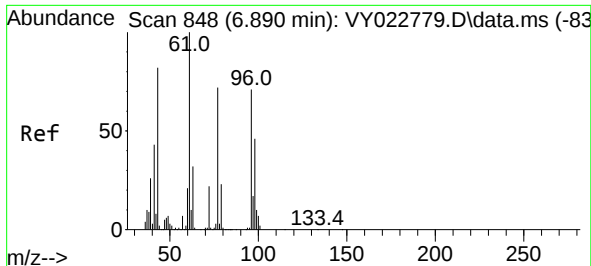
Tgt Ion: 43 Resp: 41878
Ion Ratio Lower Upper
43 100
58 29.7 24.0 36.0



#20
Methylene Chloride
Concen: 5.445 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

Tgt Ion: 84 Resp: 20565
Ion Ratio Lower Upper
84 100
49 122.2 101.9 152.9
51 35.7 29.8 44.8
86 56.4 51.3 76.9

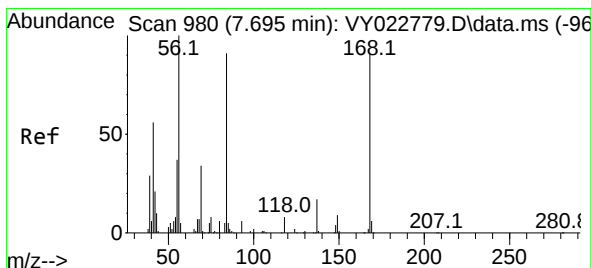
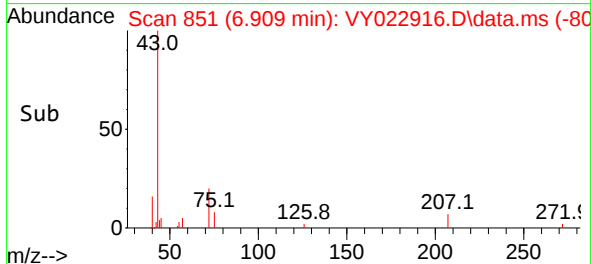
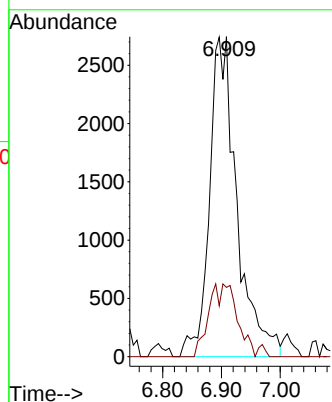
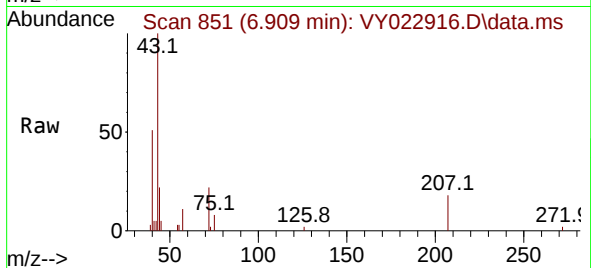




#25
2-Butanone
Concen: 10.221 ug/l
RT: 6.909 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

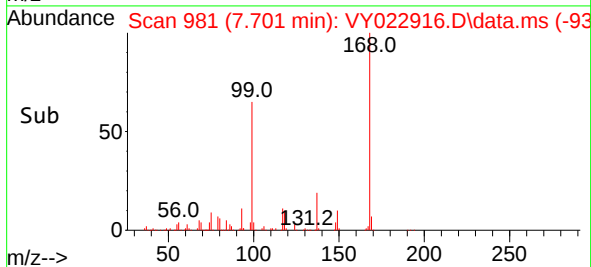
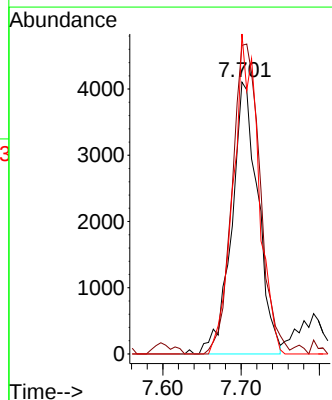
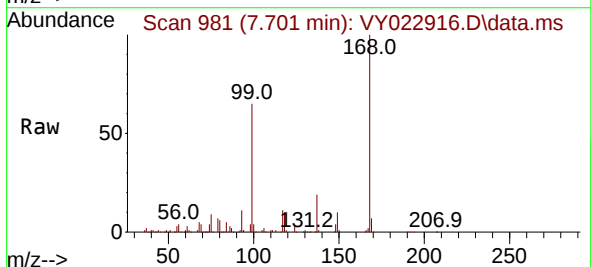
Instrument :
MSVOA_Y
ClientSampleId :
TP-59

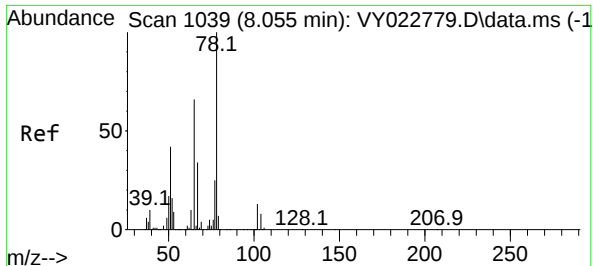
Tgt Ion: 43 Resp: 8896
Ion Ratio Lower Upper
43 100
72 21.6 22.9 34.3#



#31
Cyclohexane
Concen: 1.756 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

Tgt Ion: 56 Resp: 9542
Ion Ratio Lower Upper
56 100
69 111.5 27.0 40.6#
84 117.7 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 54.968 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY022916.D

Acq: 02 Jul 2025 16:43

Instrument :

MSVOA_Y

ClientSampleId :

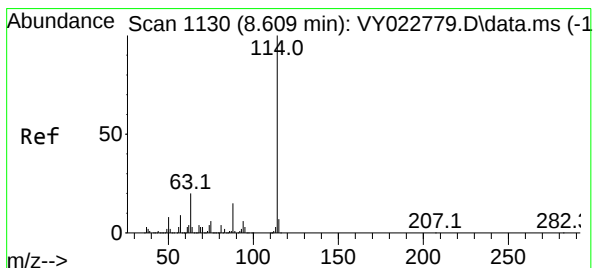
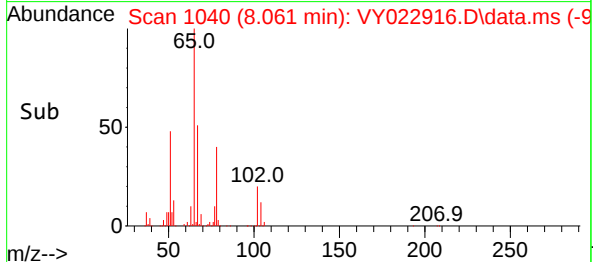
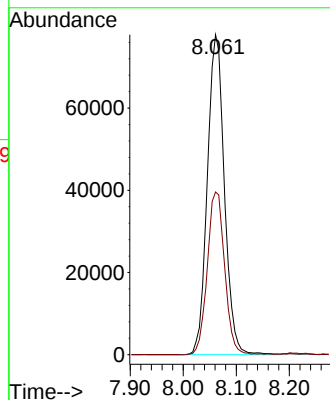
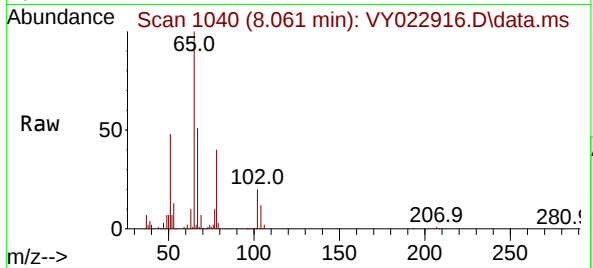
TP-59

Tgt Ion: 65 Resp: 173927

Ion Ratio Lower Upper

65 100

67 51.8 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: VY022916.D

Acq: 02 Jul 2025 16:43

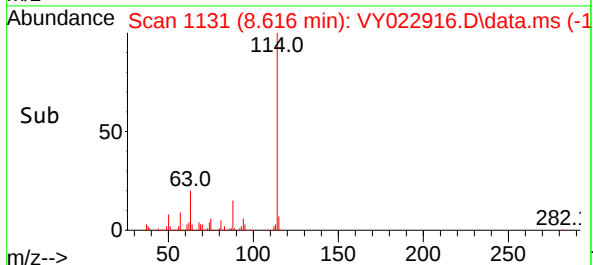
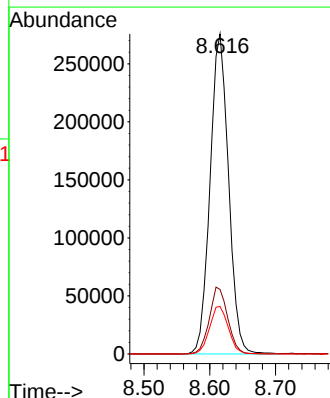
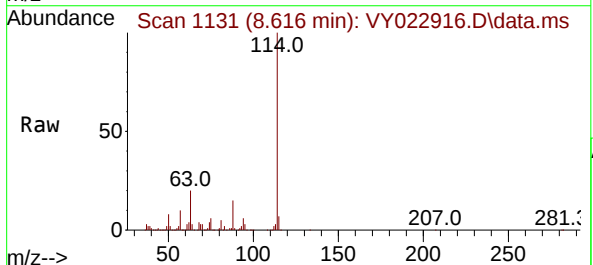
Tgt Ion:114 Resp: 538609

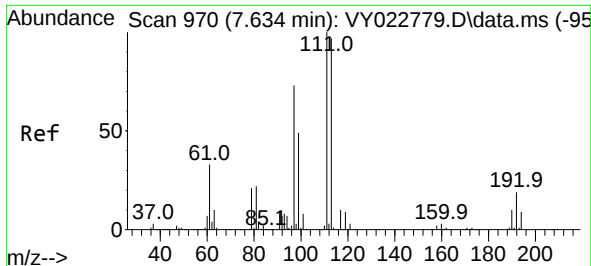
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 14.9 0.0 27.8

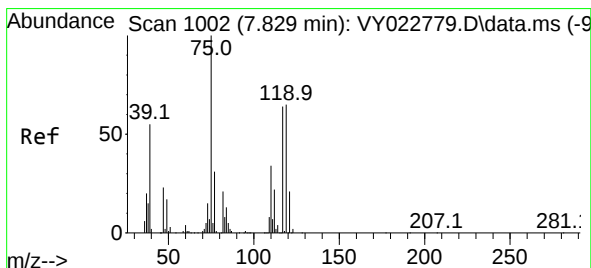
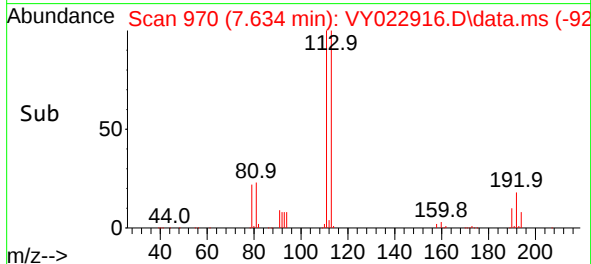
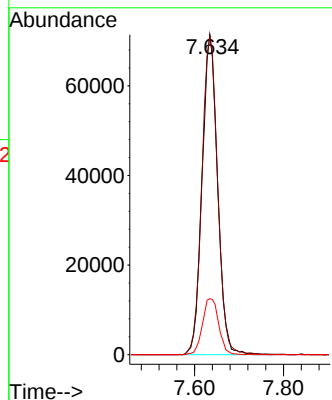
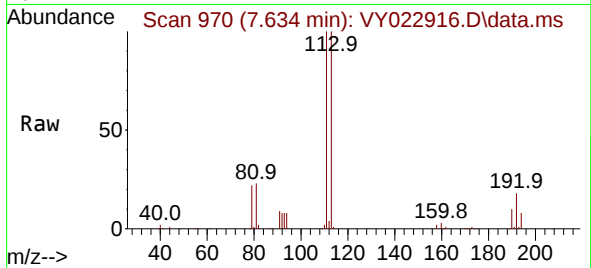




#35
Dibromofluoromethane
Concen: 53.032 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

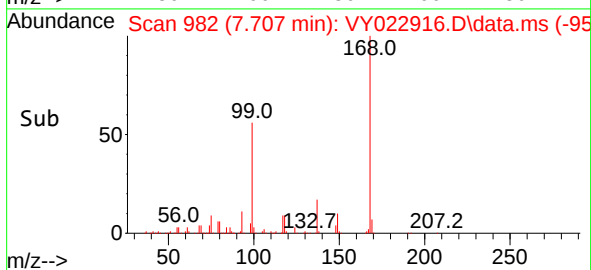
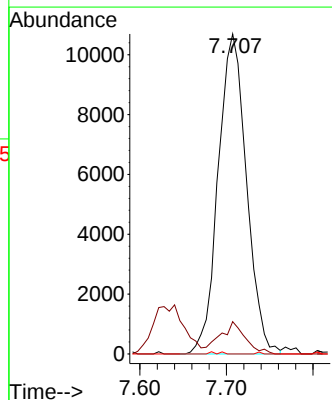
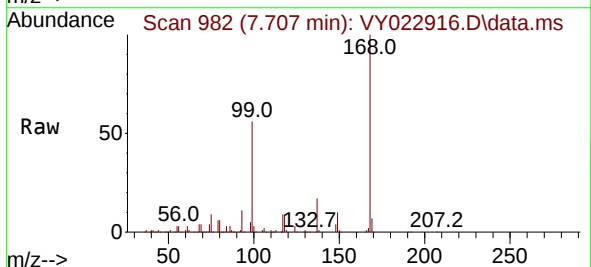
Instrument :
MSVOA_Y
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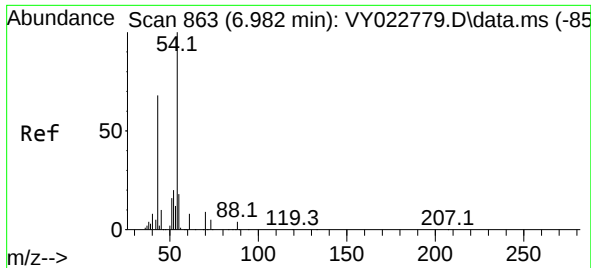
Tgt Ion:113 Resp: 173711
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 18.3 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.894 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

Tgt Ion: 75 Resp: 24298
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 4.152 ug/l

RT: 6.909 min Scan# 81

Delta R.T. -0.086 min

Lab File: VY022916.D

Acq: 02 Jul 2025 16:43

Instrument :

MSVOA_Y

ClientSampleId :

TP-59

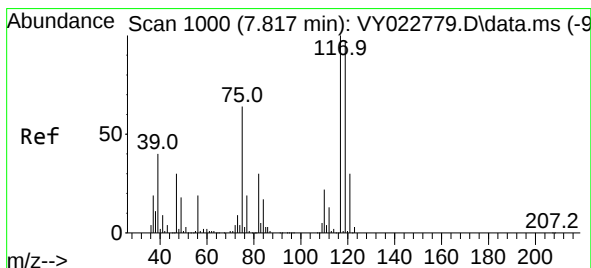
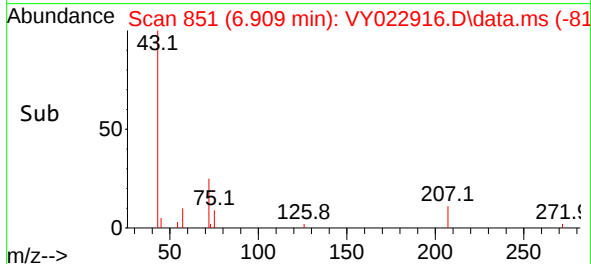
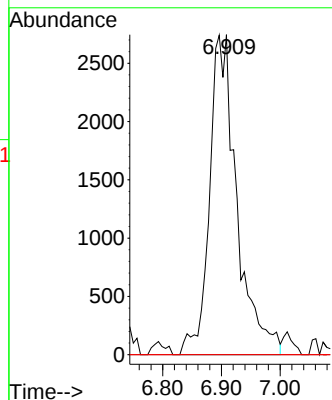
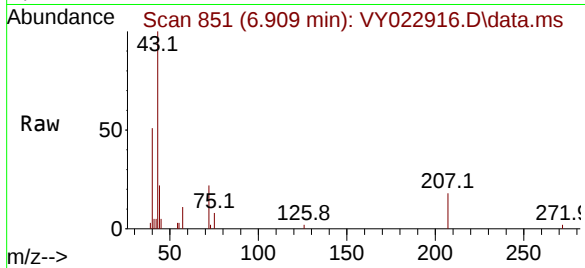
Tgt Ion: 43 Resp: 8896

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.2 10.8#



#38

Carbon Tetrachloride

Concen: 5.512 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022916.D

Acq: 02 Jul 2025 16:43

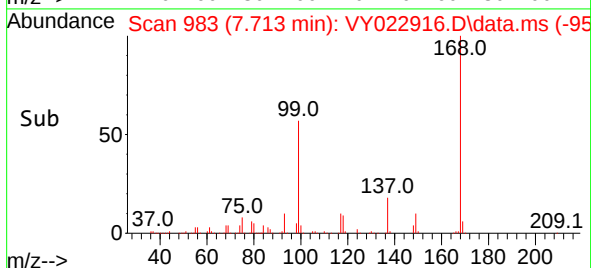
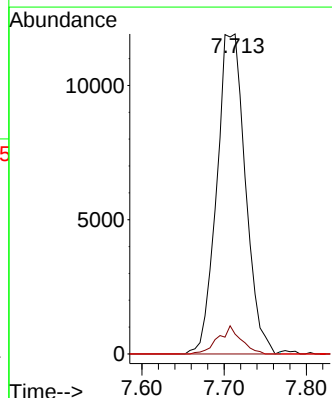
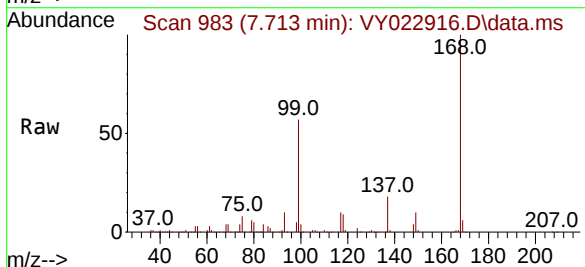
Tgt Ion: 117 Resp: 28877

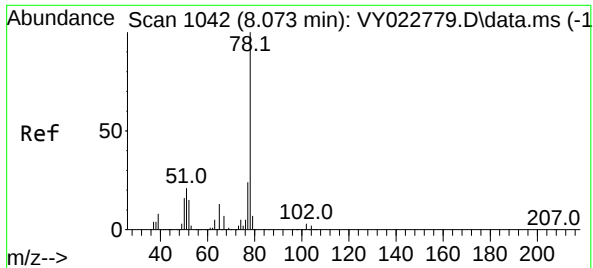
Ion Ratio Lower Upper

117 100

119 6.2 75.0 112.6#

121 0.0 25.0 37.4#

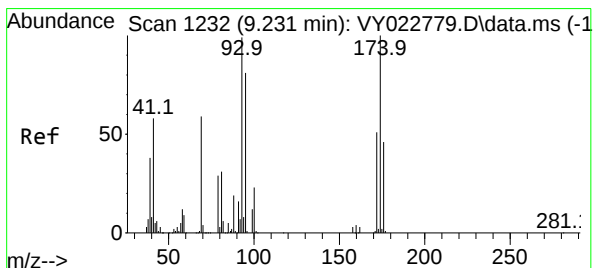
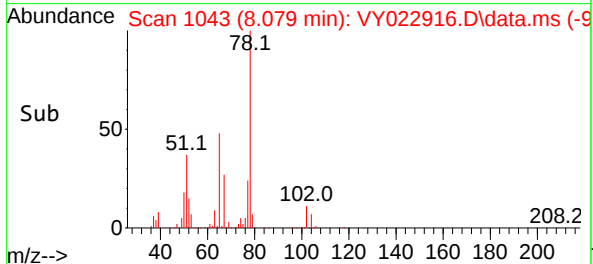
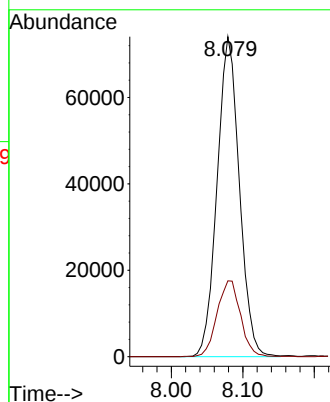
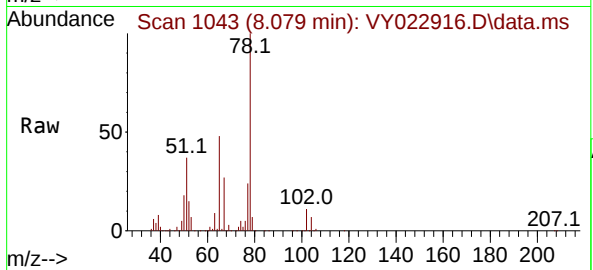




#40
Benzene
Concen: 10.485 ug/l
RT: 8.079 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

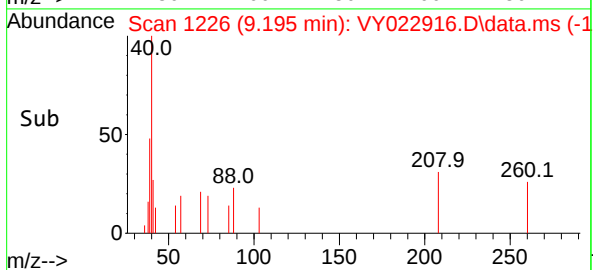
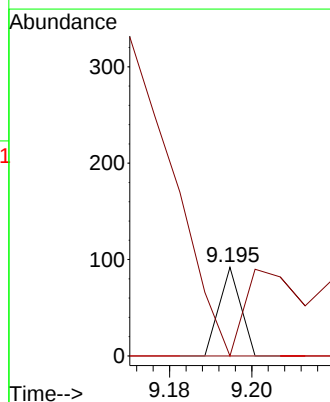
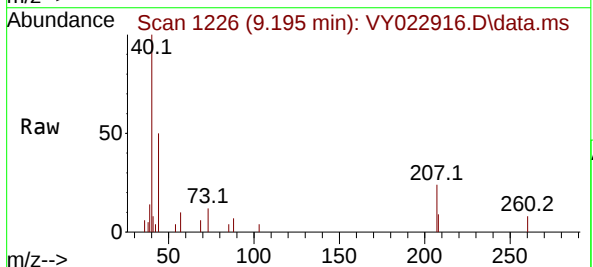
Instrument :
MSVOA_Y
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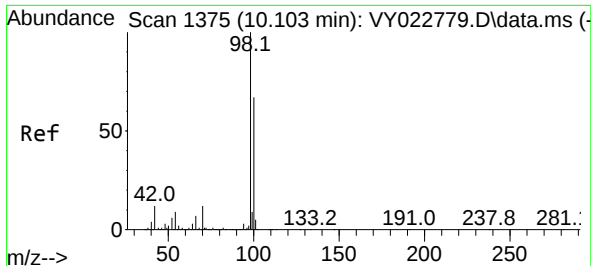
Tgt Ion: 78 Resp: 160046
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9



#49
1,4-Dioxane
Concen: 1.419 ug/l
RT: 9.195 min Scan# 1226
Delta R.T. -0.049 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

Tgt Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 241.2 25.4 38.2#
58 0.0 54.9 82.3#

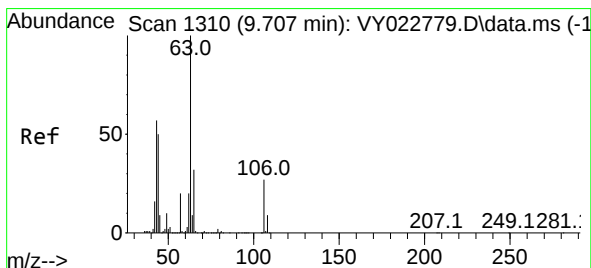
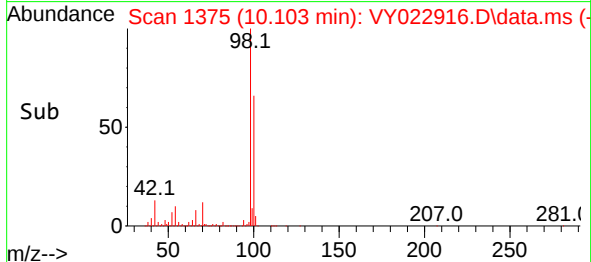
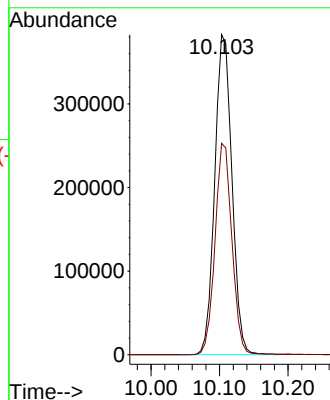
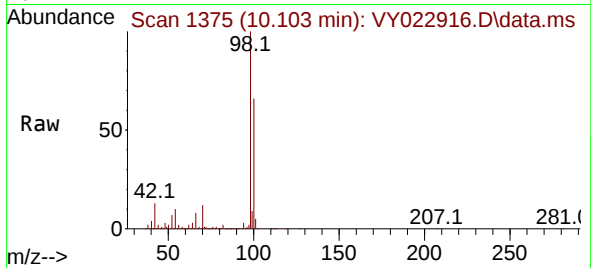




#50
Toluene-d8
Concen: 51.374 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

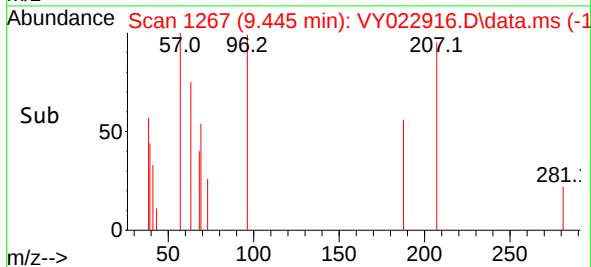
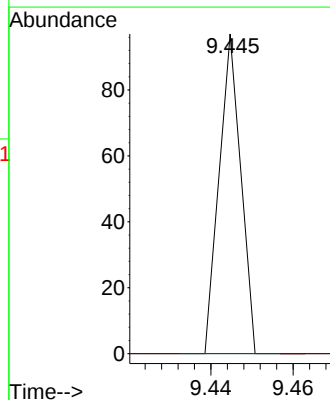
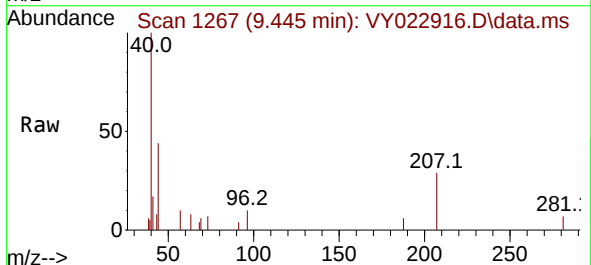
Instrument :
MSVOA_Y
ClientSampleId :
TP-59

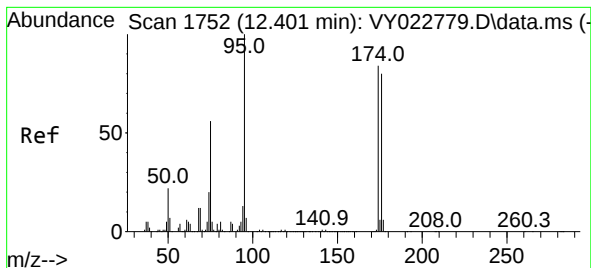
Tgt Ion: 98 Resp: 667759
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.673 ug/l
RT: 9.445 min Scan# 1267
Delta R.T. -0.268 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

Tgt Ion: 63 Resp: 35
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

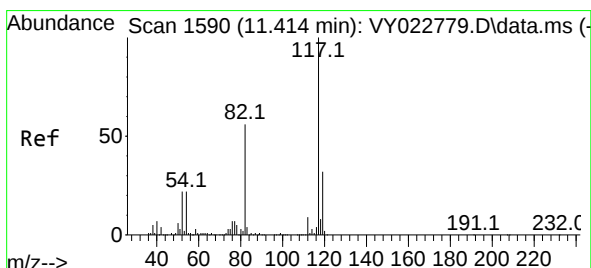
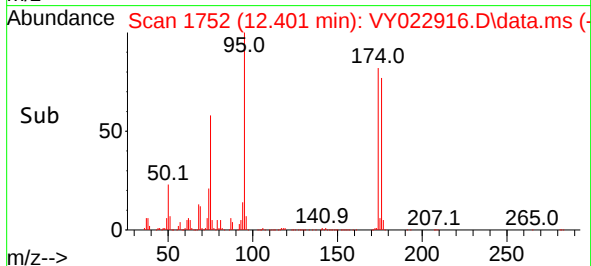
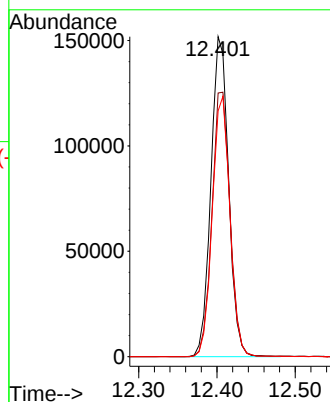
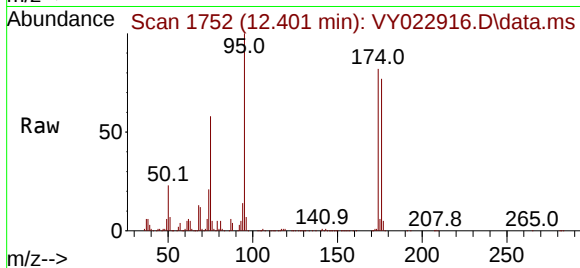




#62
4-Bromofluorobenzene
Concen: 57.036 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

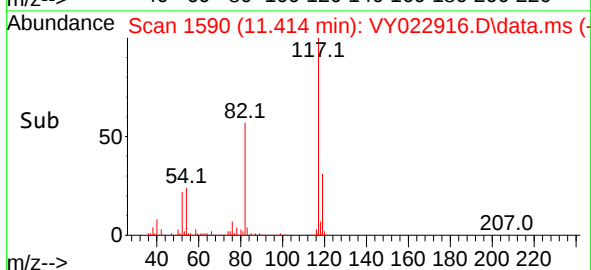
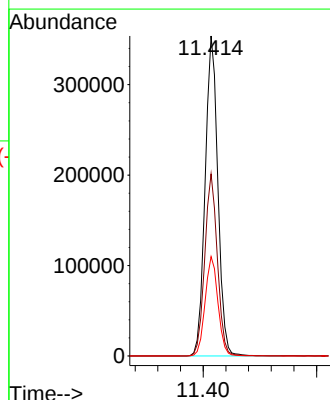
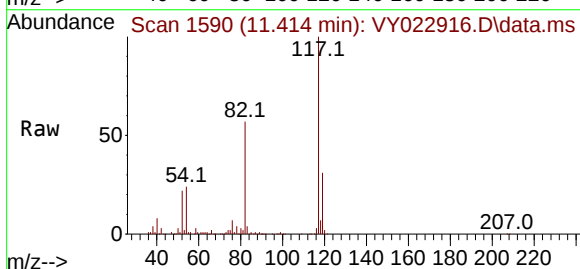
Instrument :
MSVOA_Y
ClientSampleId :
TP-59

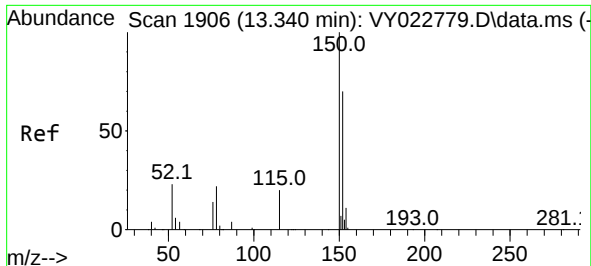
Tgt Ion: 95 Resp: 238321
Ion Ratio Lower Upper
95 100
174 84.2 0.0 170.0
176 81.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

Tgt Ion: 117 Resp: 550757
Ion Ratio Lower Upper
117 100
82 56.9 44.6 66.8
119 31.1 25.4 38.0

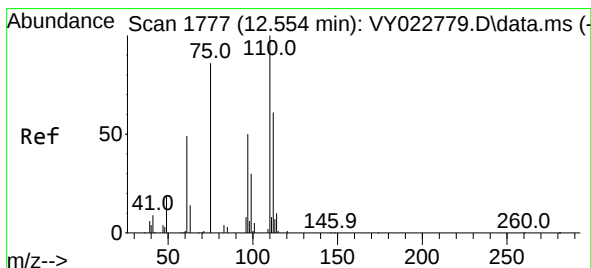
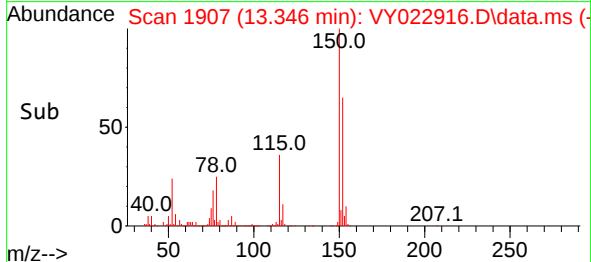
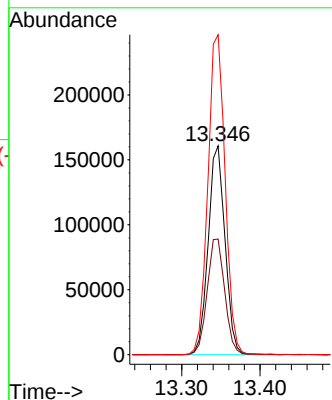
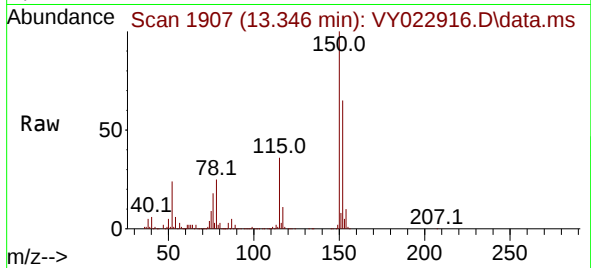




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY022916.D
 Acq: 02 Jul 2025 16:43

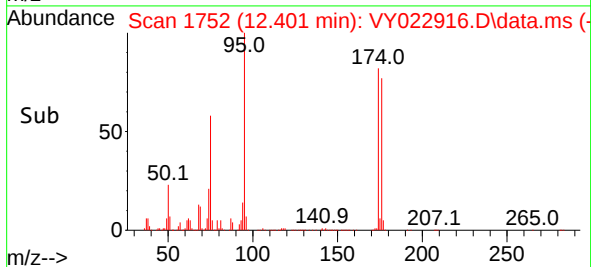
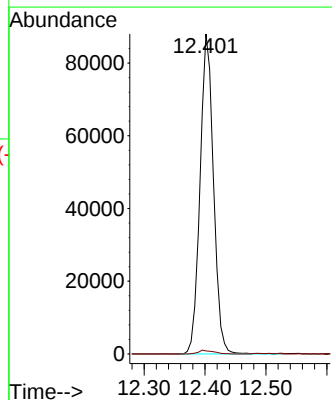
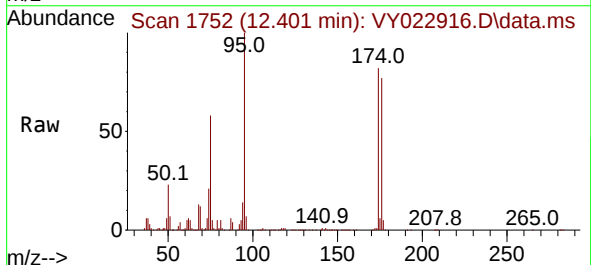
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-59

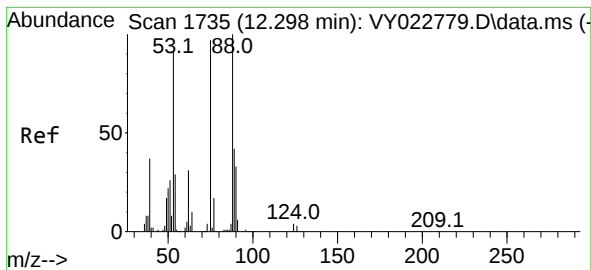
Tgt Ion:152 Resp: 239711
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.9 86.7
 150 157.2 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 55.240 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022916.D
 Acq: 02 Jul 2025 16:43

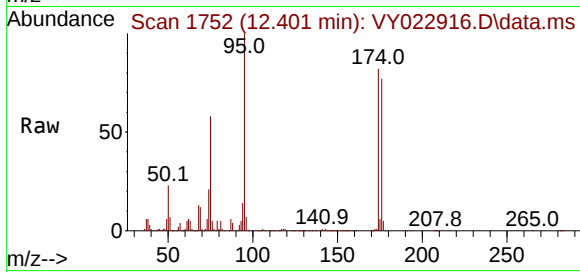
Tgt Ion: 75 Resp: 135185
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.557 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022916.D
 Acq: 02 Jul 2025 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-59



Tgt Ion: 75 Resp: 135185
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 35.7 53.5#

