

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023894.D
 Acq On : 04 Dec 2025 15:06
 Operator : SY/MD
 Sample : Q3742-07
 Misc : 4.97g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-18

Quant Time: Dec 05 01:47:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

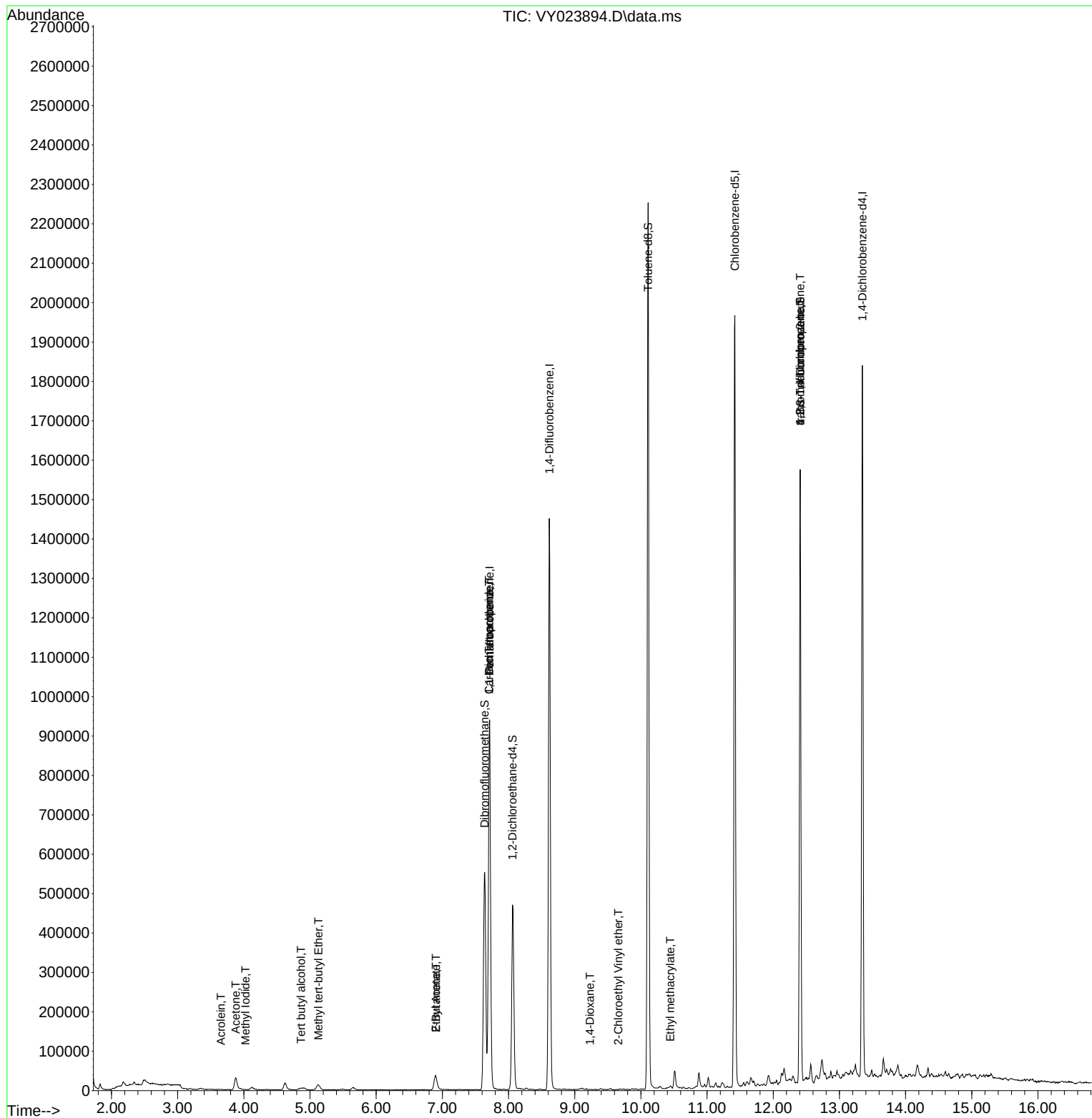
Internal Standards						
1) Pentafluorobenzene	7.713	168	781859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1291434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1105691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	482687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	367481	46.984	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.960%		
35) Dibromofluoromethane	7.640	113	400845	48.394	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.780%		
50) Toluene-d8	10.109	98	1471058	45.640	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.280%		
62) 4-Bromofluorobenzene	12.408	95	459268	41.776	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.560%		
Target Compounds						Qvalue
10) Methyl Iodide	4.025	142	395	2.482	ug/l #	39
11) Tert butyl alcohol	4.866	59	7581	1.053	ug/l #	92
13) Acrolein	3.653	56	586	1.200	ug/l #	13
16) Acetone	3.879	43	56042	23.912	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	21884	1.157	ug/l	93
20) Methylene Chloride	4.622	84	12301	Below Cal		94
25) 2-Butanone	6.902	43	19201	6.796	ug/l	95
36) 1,1-Dichloropropene	7.707	75	50310	4.119	ug/l #	51
37) Ethyl Acetate	6.902	43	19201	3.405	ug/l #	81
38) Carbon Tetrachloride	7.707	117	70116	5.202	ug/l #	17
49) 1,4-Dioxane	9.231	88	75	1.425	ug/l #	30
56) Ethyl methacrylate	10.445	69	769	4.227	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.658	63	22	14.723	ug/l #	47
76) 1,2,3-Trichloropropane	12.408	75	227880	47.622	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	227880	114.058	ug/l #	14

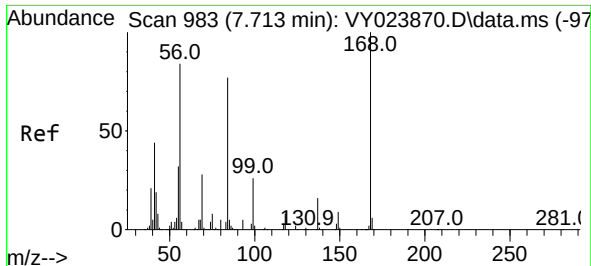
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 05 01:47:55 2025
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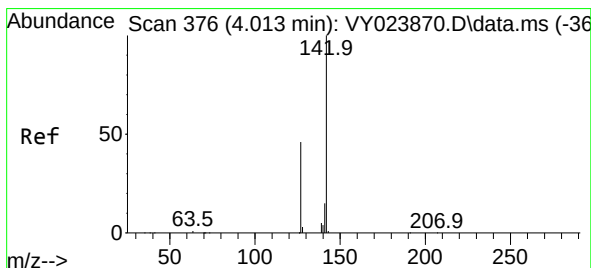
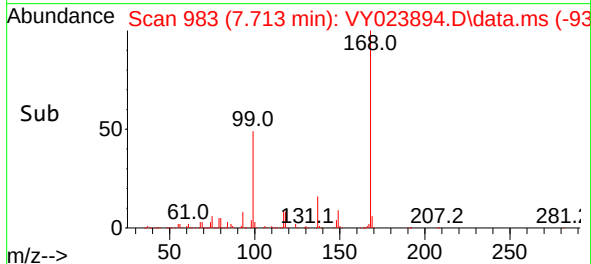
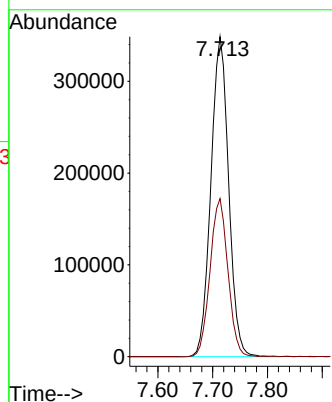
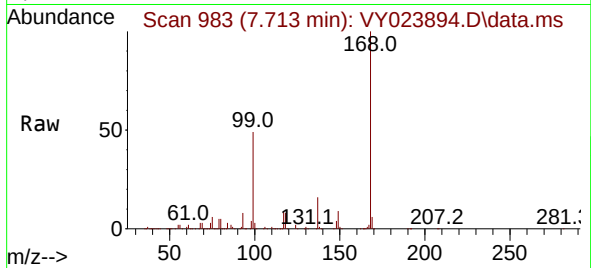




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

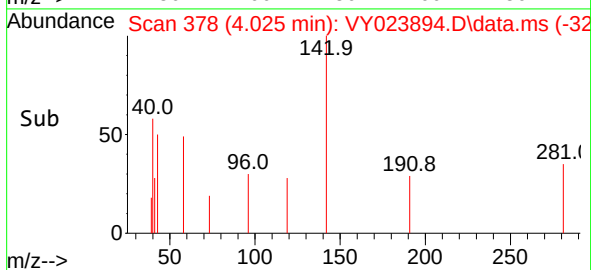
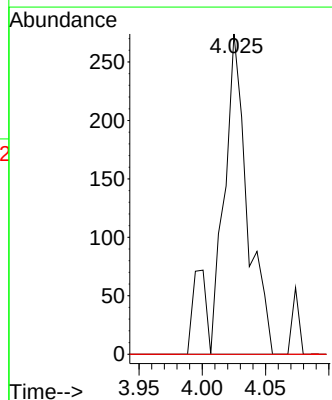
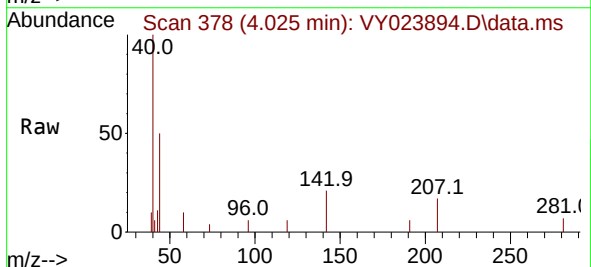
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

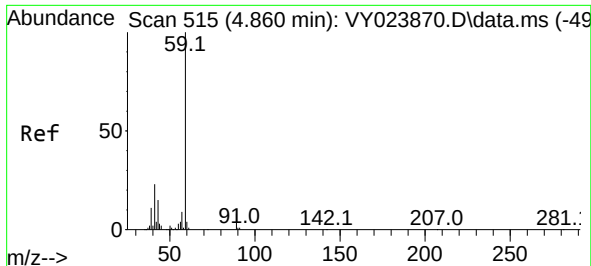
Tgt Ion:168 Resp: 781859
Ion Ratio Lower Upper
168 100
99 49.4 42.5 63.7



#10
Methyl Iodide
Concen: 2.482 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion:142 Resp: 395
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.8 17.8#

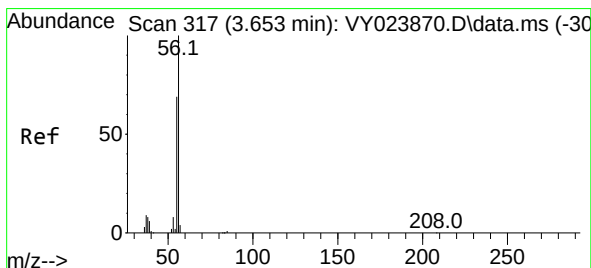
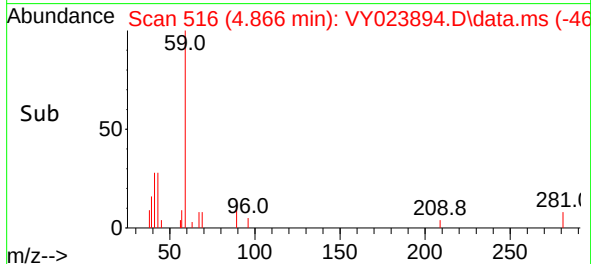
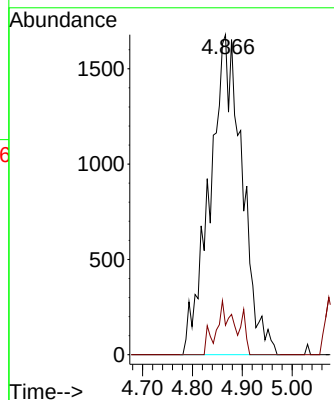
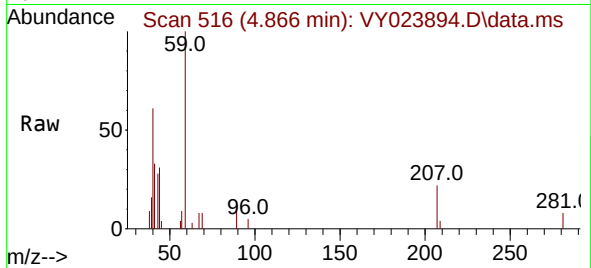




#11
Tert butyl alcohol
Concen: 1.053 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

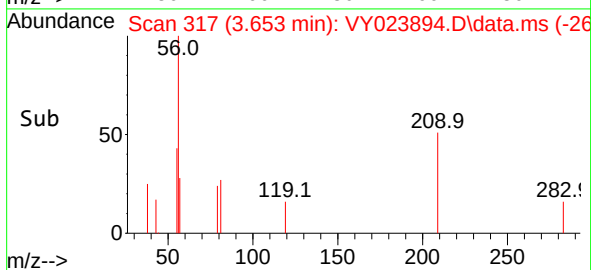
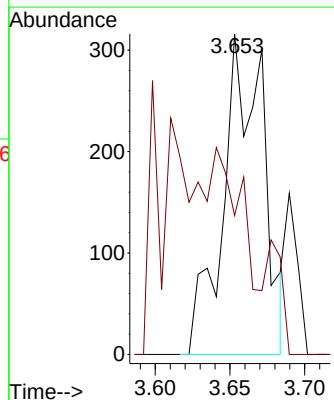
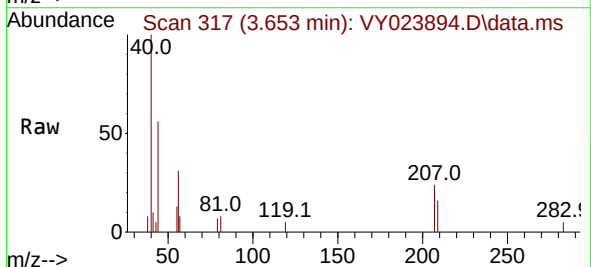
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

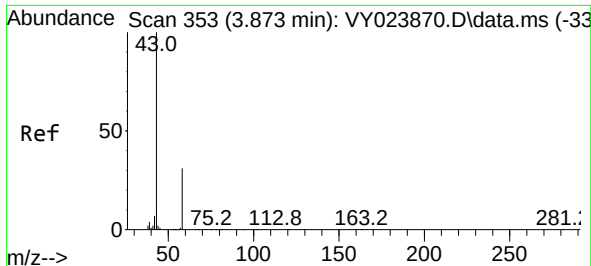
Tgt Ion: 59 Resp: 7581
Ion Ratio Lower Upper
59 100
57 6.7 7.7 11.5#



#13
Acrolein
Concen: 1.200 ug/l
RT: 3.653 min Scan# 317
Delta R.T. -0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion: 56 Resp: 586
Ion Ratio Lower Upper
56 100
55 0.0 59.0 88.6#

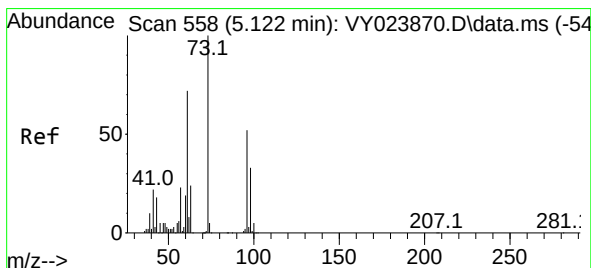
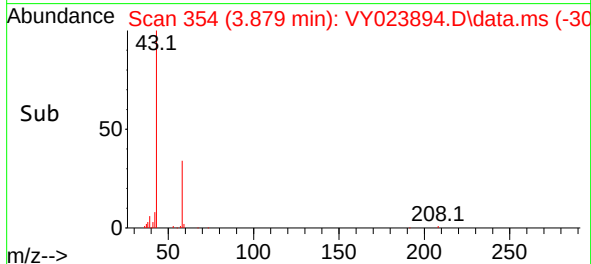
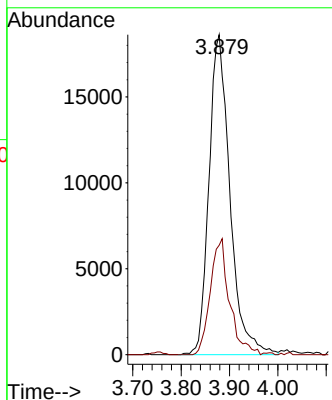
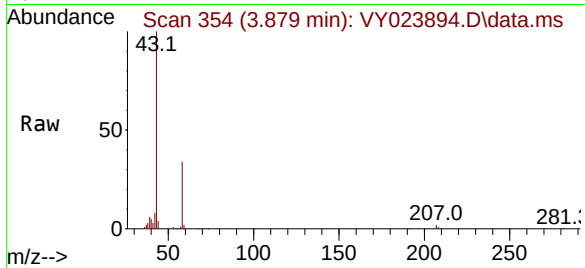




#16
Acetone
Concen: 23.912 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

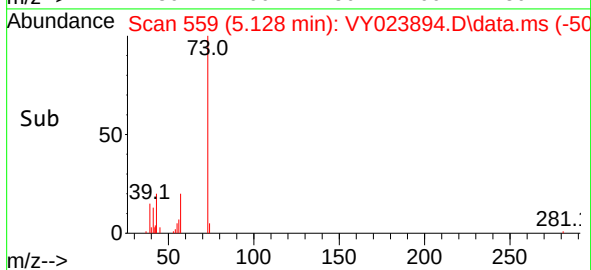
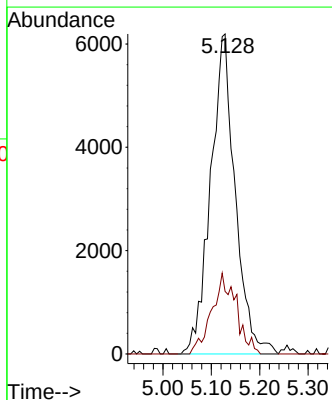
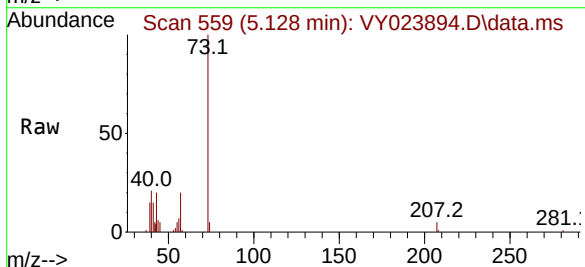
Instrument :
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ClientSampleId :
SB-1125-18

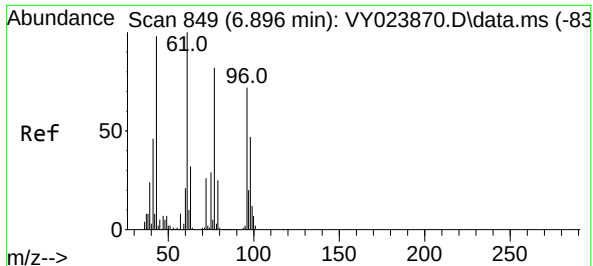
Tgt Ion: 43 Resp: 56042
Ion Ratio Lower Upper
43 100
58 34.2 25.1 37.7



#19
Methyl tert-butyl Ether
Concen: 1.157 ug/l
RT: 5.128 min Scan# 559
Delta R.T. 0.006 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion: 73 Resp: 21884
Ion Ratio Lower Upper
73 100
57 19.6 18.2 27.2

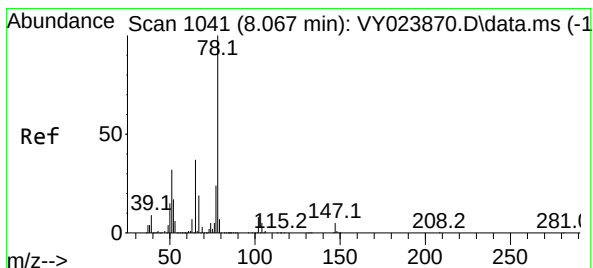
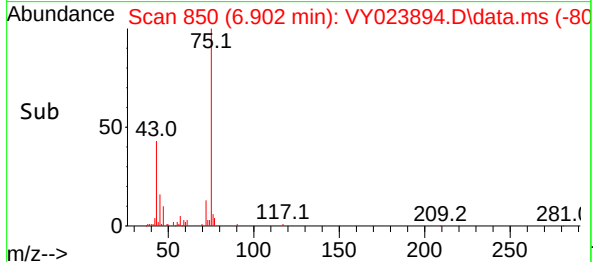
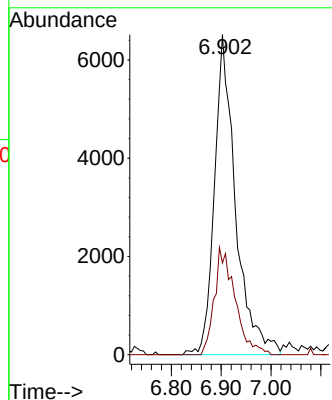
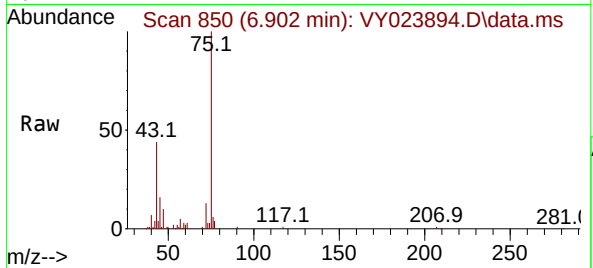




#25
2-Butanone
Concen: 6.796 ug/l
RT: 6.902 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

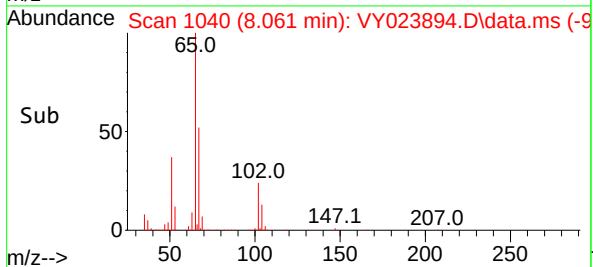
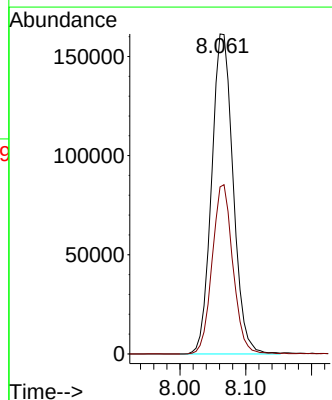
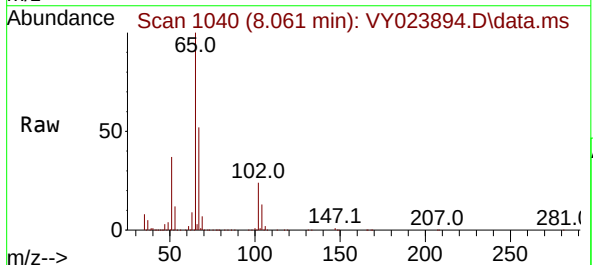
Instrument :
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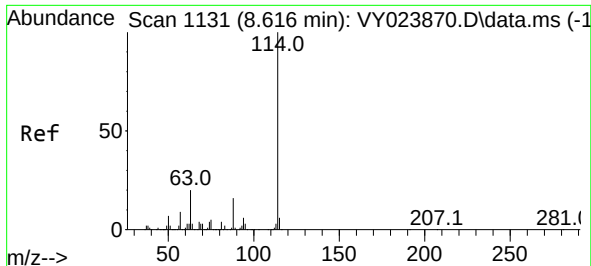
Tgt Ion: 43 Resp: 19201
Ion Ratio Lower Upper
43 100
72 28.7 21.0 31.6



#33
1,2-Dichloroethane-d4
Concen: 46.984 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion: 65 Resp: 367481
Ion Ratio Lower Upper
65 100
67 51.0 0.0 107.2

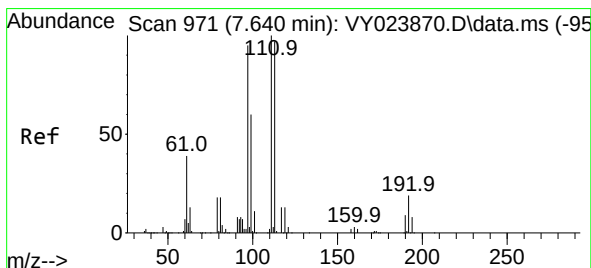
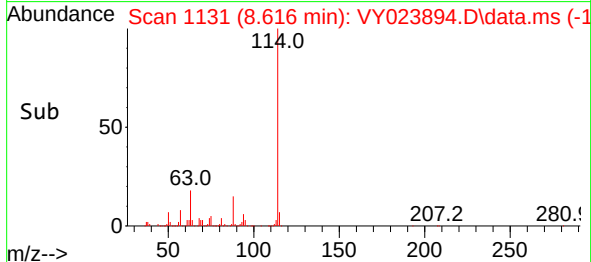
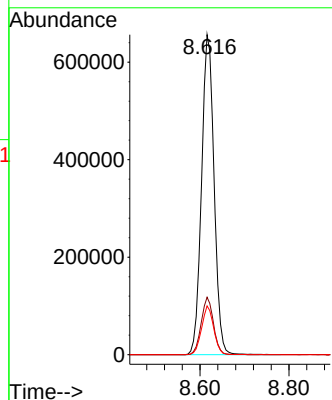
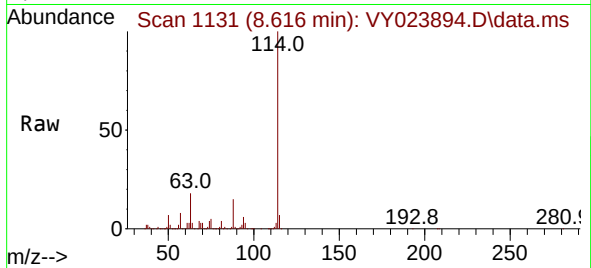




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

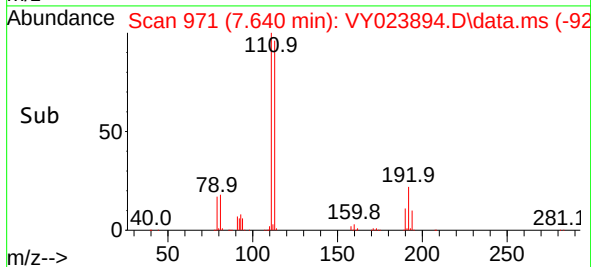
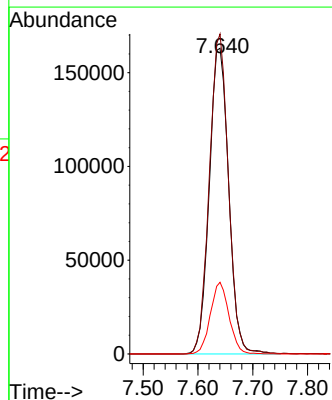
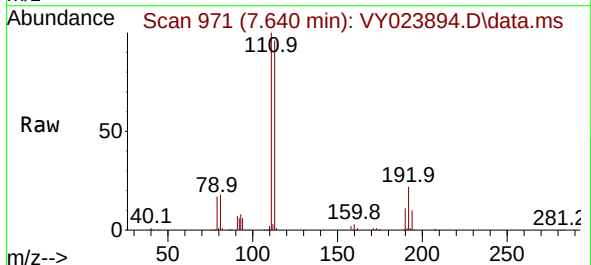
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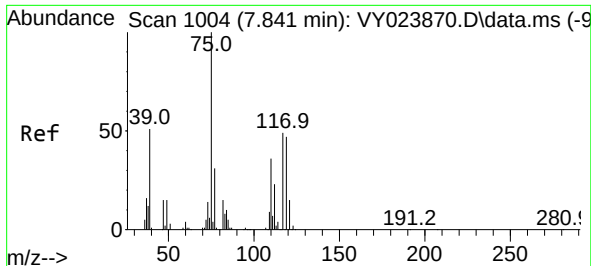
Tgt Ion:114 Resp: 1291434
Ion Ratio Lower Upper
114 100
63 18.0 0.0 39.2
88 15.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.394 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion:113 Resp: 400845
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 22.5 15.8 23.8

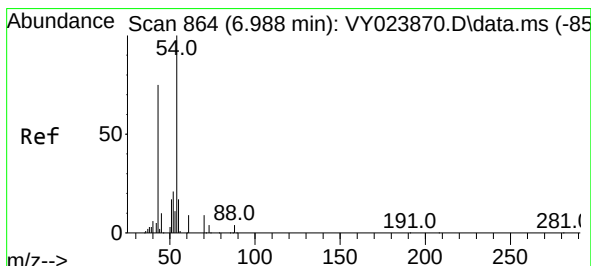
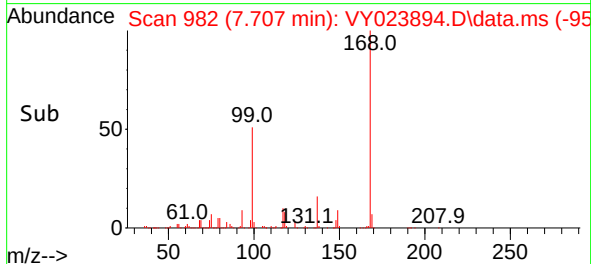
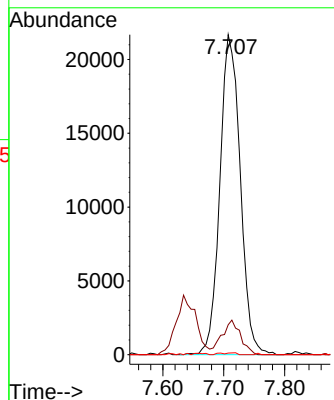
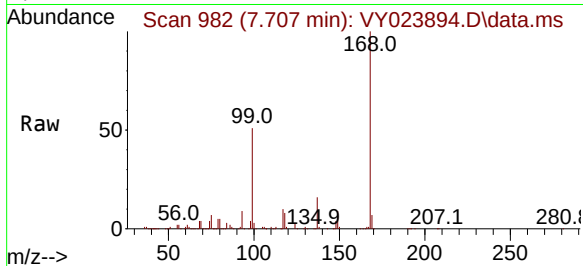




#36
 1,1-Dichloropropene
 Concen: 4.119 ug/l
 RT: 7.707 min Scan# 911
 Delta R.T. -0.134 min
 Lab File: VY023894.D
 Acq: 04 Dec 2025 15:06

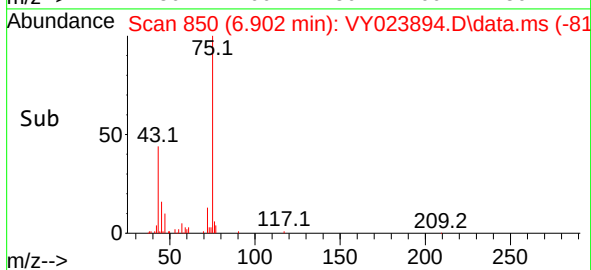
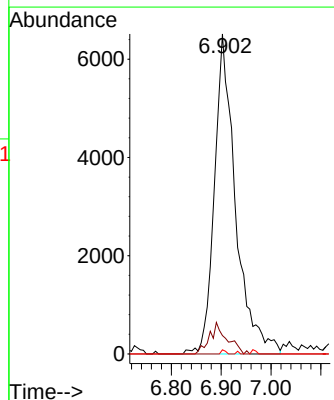
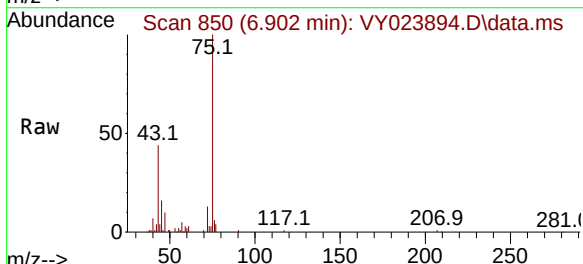
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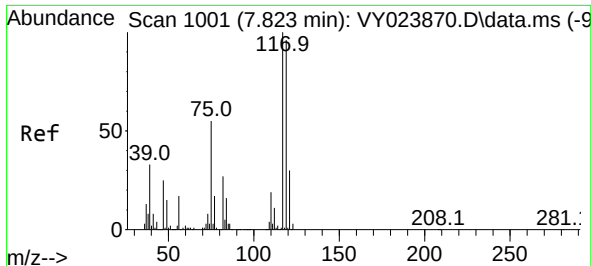
Tgt Ion: 75 Resp: 50310
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.6 52.9#
 77 0.3 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 3.405 ug/l
 RT: 6.902 min Scan# 850
 Delta R.T. -0.085 min
 Lab File: VY023894.D
 Acq: 04 Dec 2025 15:06

Tgt Ion: 43 Resp: 19201
 Ion Ratio Lower Upper
 43 100
 61 8.1 11.0 16.4#
 70 0.3 8.1 12.1#

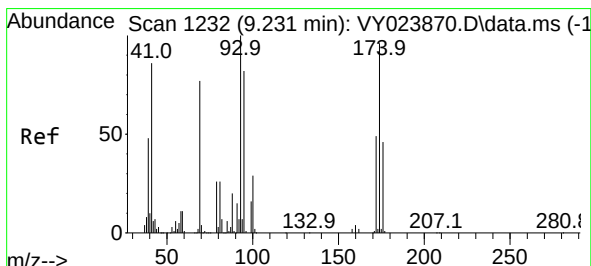
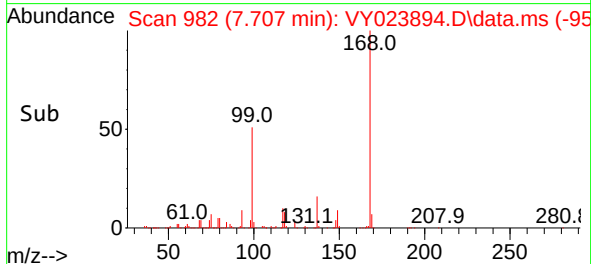
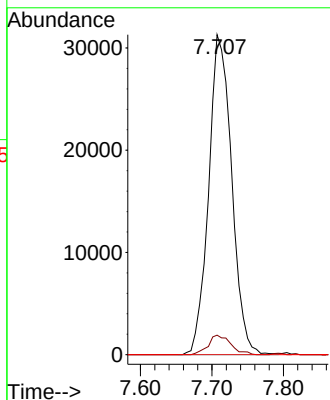
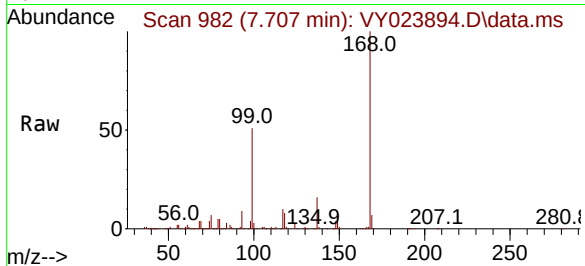




#38
Carbon Tetrachloride
Concen: 5.202 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

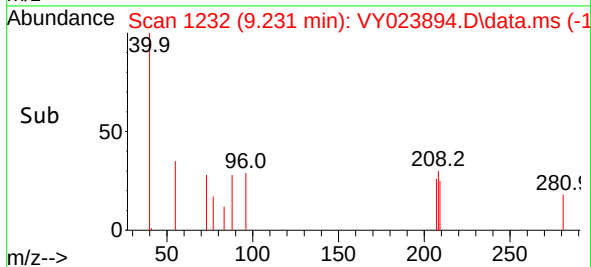
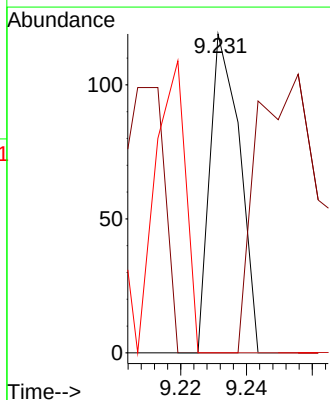
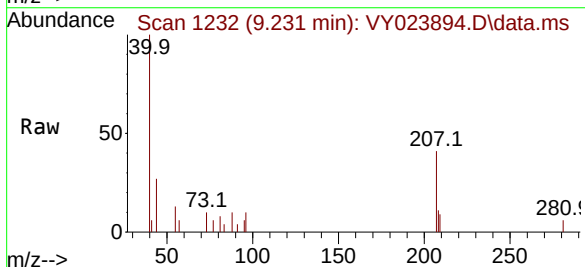
Instrument :
MSVOA_Y
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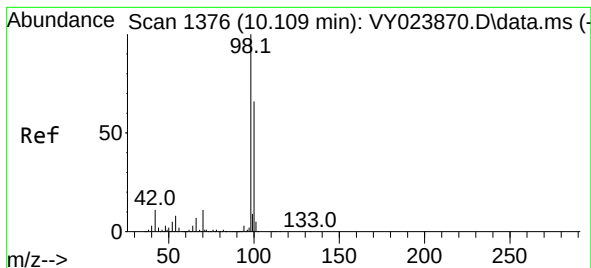
Tgt Ion:117 Resp: 70116
Ion Ratio Lower Upper
117 100
119 6.1 77.0 115.6#
121 0.0 23.9 35.9#



#49
1,4-Dioxane
Concen: 1.425 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 0.0 26.8 40.2#
58 125.3 52.4 78.6#

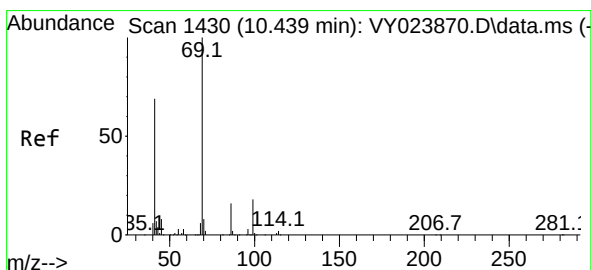
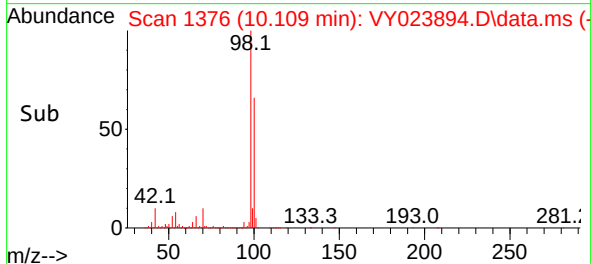
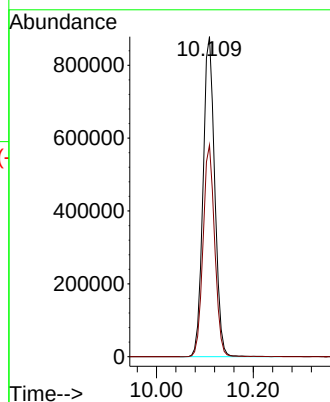
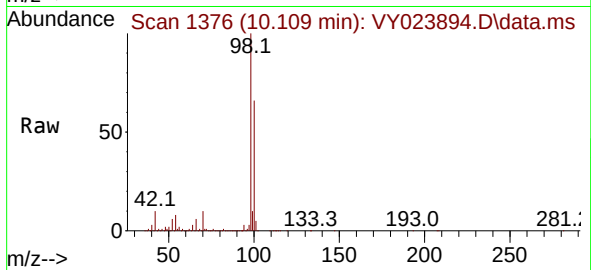




#50
Toluene-d8
Concen: 45.640 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

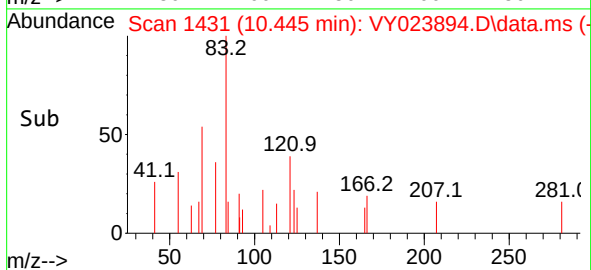
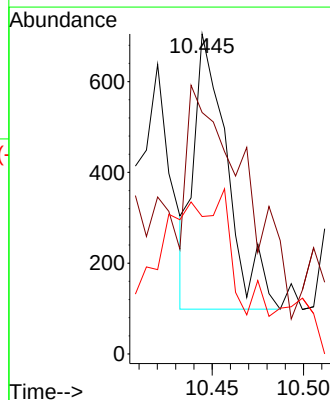
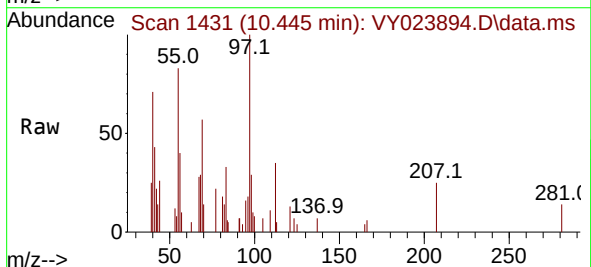
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

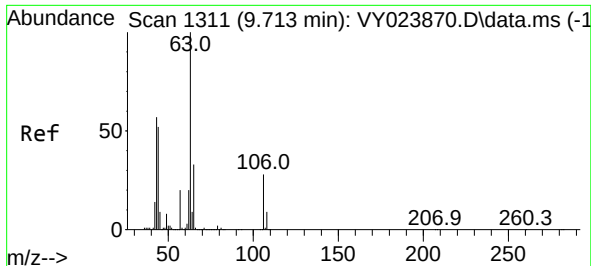
Tgt Ion: 98 Resp: 1471058
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#56
Ethyl methacrylate
Concen: 4.227 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion: 69 Resp: 769
Ion Ratio Lower Upper
69 100
41 144.3 52.5 78.7#
39 90.6 27.1 40.7#

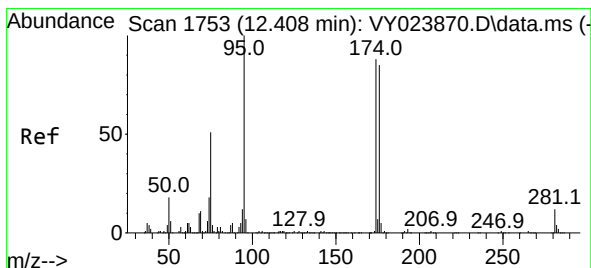
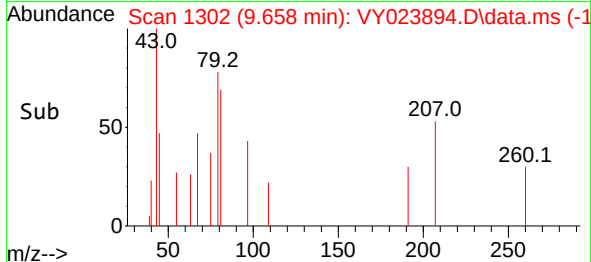
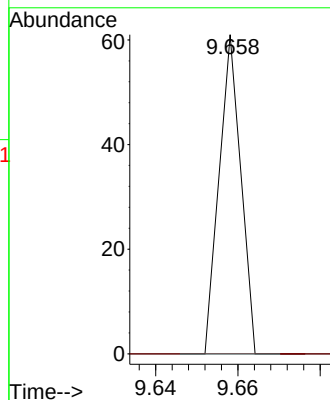
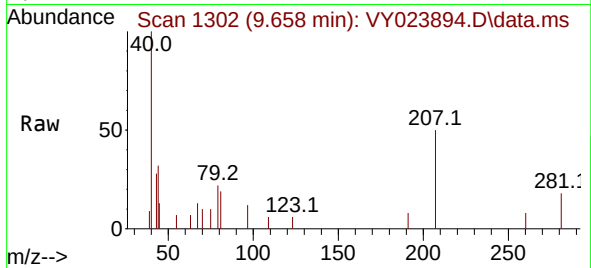




#58
2-Chloroethyl Vinyl ether
Concen: 14.723 ug/l
RT: 9.658 min Scan# 11
Delta R.T. -0.055 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

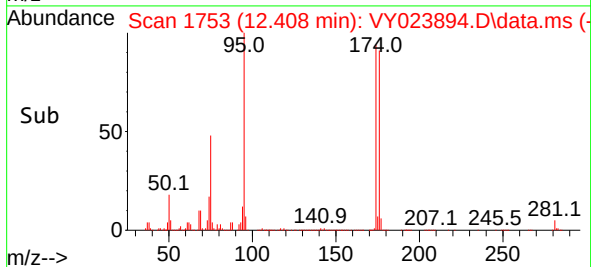
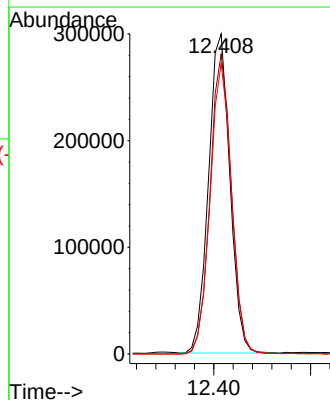
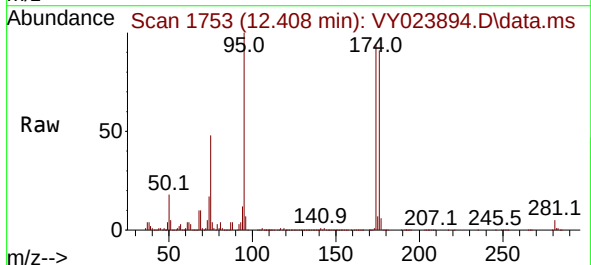
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

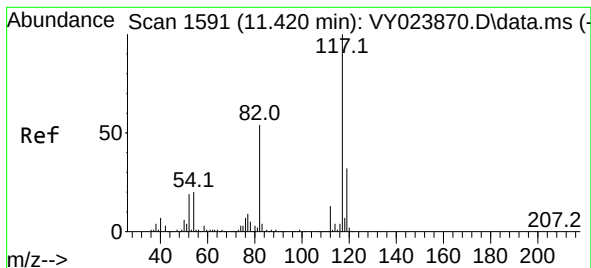
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 41.776 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion: 95 Resp: 459268
Ion Ratio Lower Upper
95 100
174 93.5 0.0 169.6
176 91.1 0.0 164.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023894.D

Acq: 04 Dec 2025 15:06

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-18

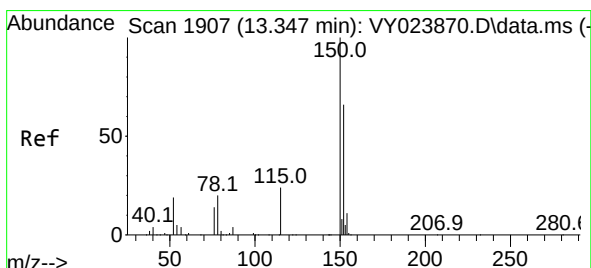
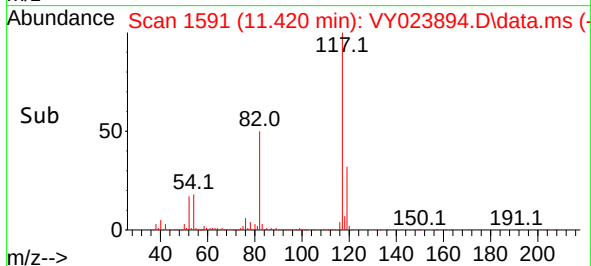
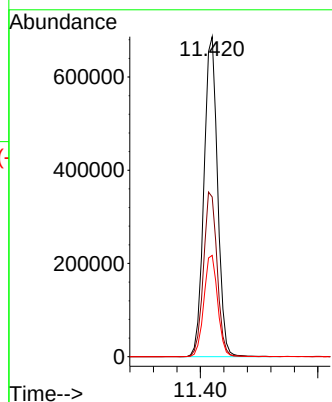
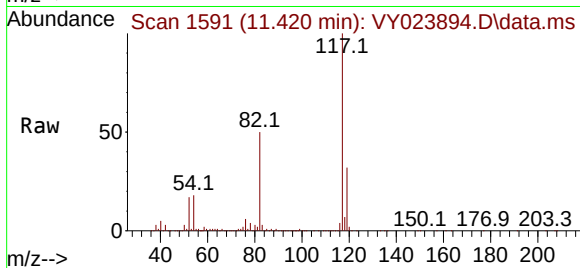
Tgt Ion:117 Resp: 1105691

Ion Ratio Lower Upper

117 100

82 49.9 43.1 64.7

119 31.7 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023894.D

Acq: 04 Dec 2025 15:06

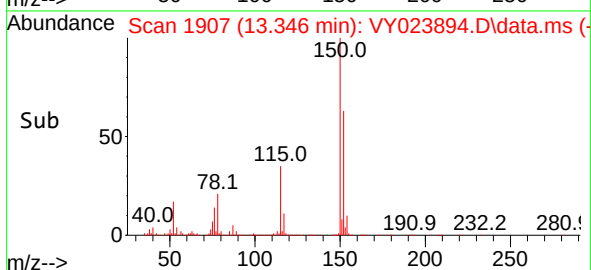
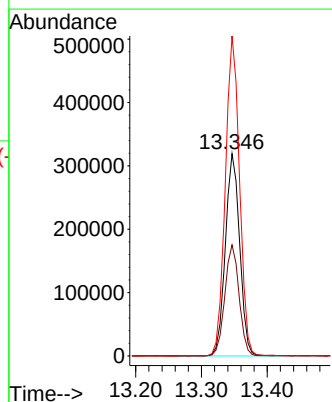
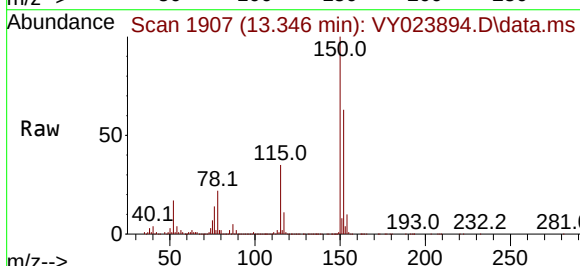
Tgt Ion:152 Resp: 482687

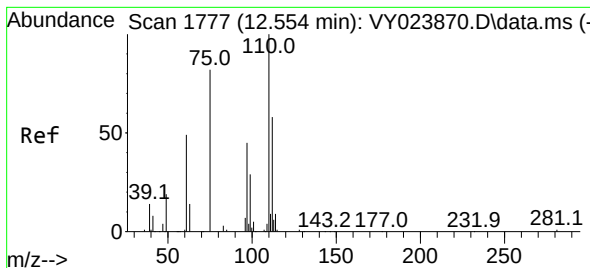
Ion Ratio Lower Upper

152 100

115 54.7 28.8 86.4

150 157.1 0.0 352.2

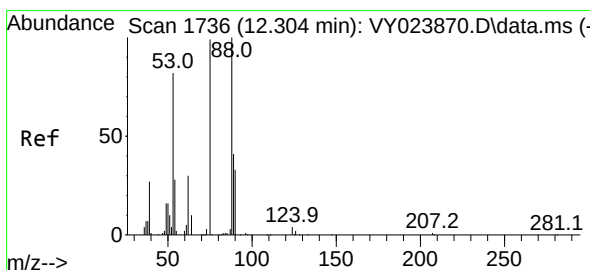
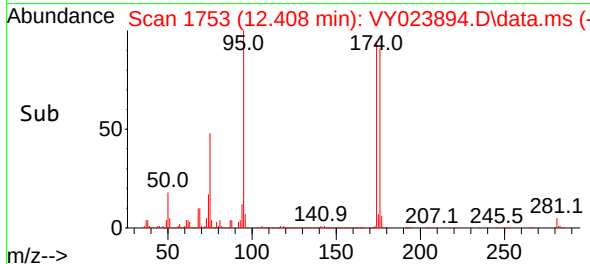
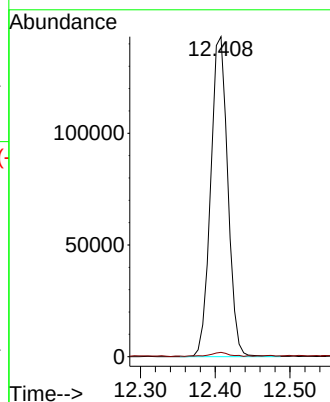
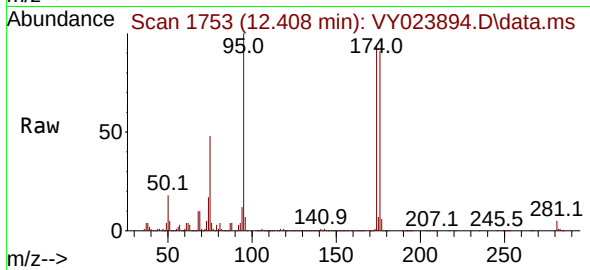




#76
1,2,3-Trichloropropane
Concen: 47.622 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-18

Tgt Ion: 75 Resp: 227880
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.058 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023894.D
Acq: 04 Dec 2025 15:06

Tgt Ion: 75 Resp: 227880
Ion Ratio Lower Upper
75 100
53 0.1 71.1 106.7#
89 0.0 36.3 54.5#

