

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023700.D
 Acq On : 06 Nov 2025 14:54
 Operator : SY/MD
 Sample : Q3564-01
 Misc : 7.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-11062025

Quant Time: Nov 07 04:16:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

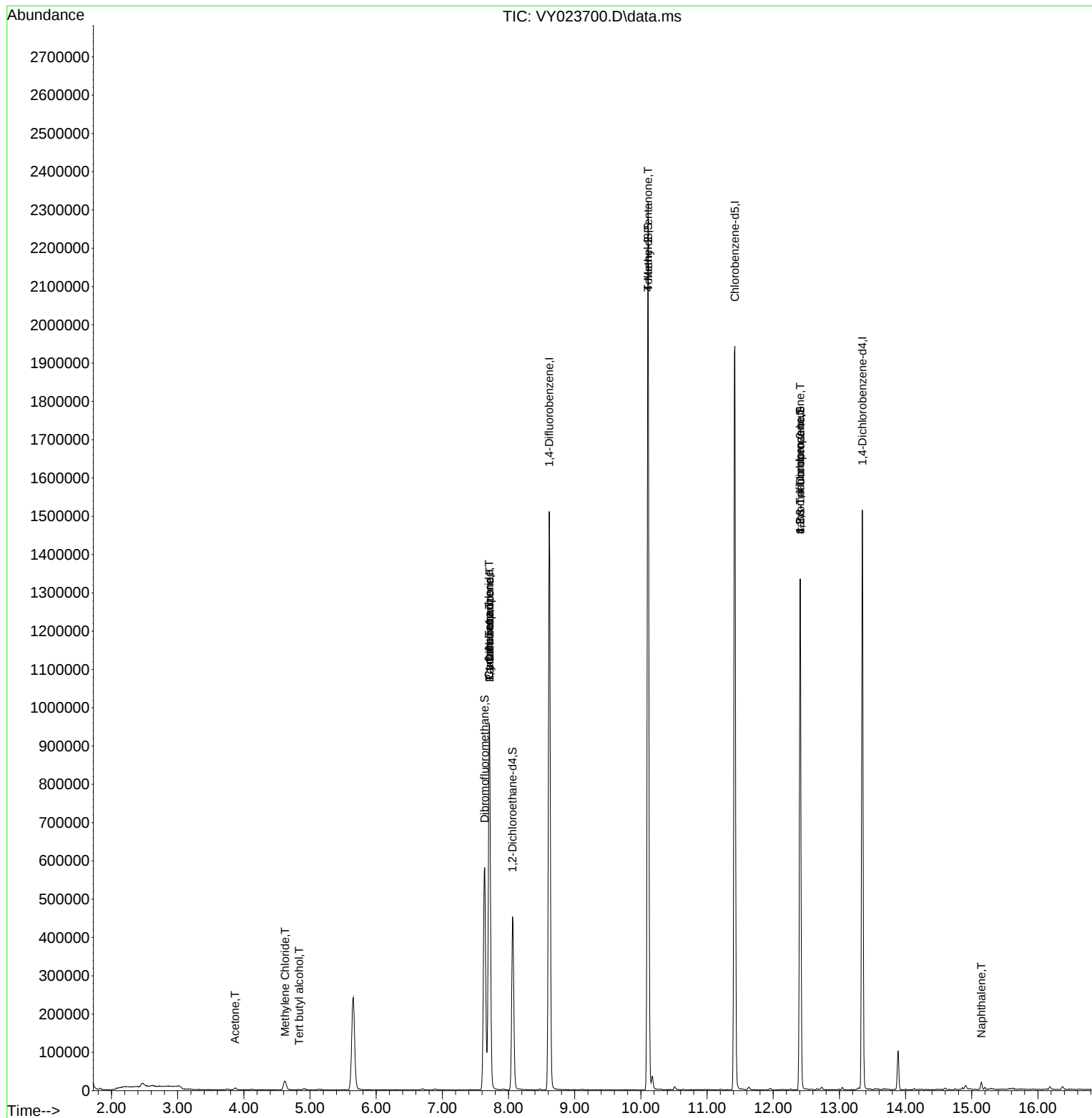
Internal Standards						
1) Pentafluorobenzene	7.713	168	790271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1352816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1107610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	400964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	358985	53.253	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.500%			
35) Dibromofluoromethane	7.640	113	419992	49.679	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.360%			
50) Toluene-d8	10.109	98	1521259	48.306	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.620%			
62) 4-Bromofluorobenzene	12.408	95	409998	40.257	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.520%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	1191	2.740	ug/l #	74
16) Acetone	3.866	43	8196	4.891	ug/l #	81
20) Methylene Chloride	4.622	84	19270	2.382	ug/l	97
31) Cyclohexane	7.707	56	14308	1.288	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	53715	4.755	ug/l #	48
38) Carbon Tetrachloride	7.707	117	74991	5.634	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	5830	1.334	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	202948	62.541	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	202948	141.339	ug/l #	14
95) Naphthalene	15.145	128	15668	6.450	ug/l	97

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

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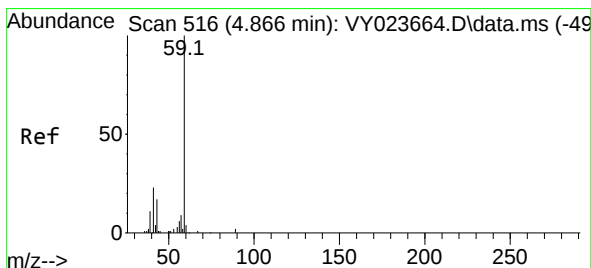
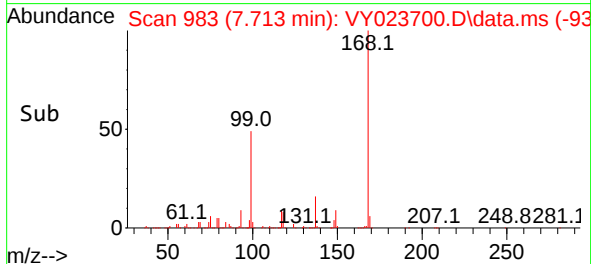
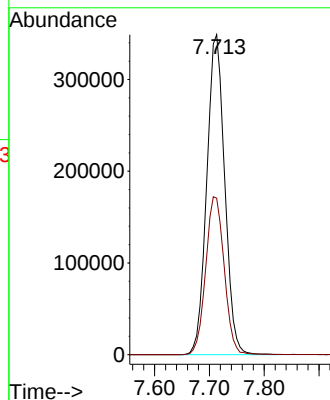
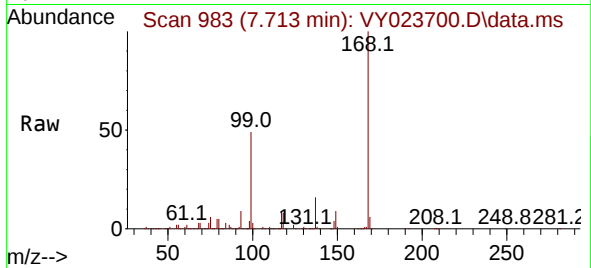




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

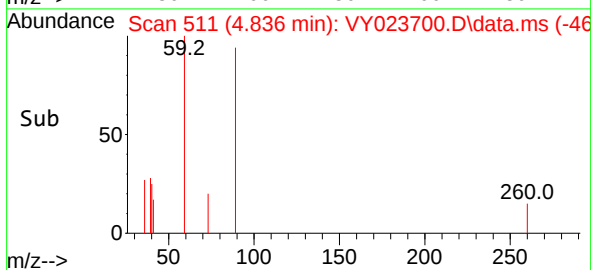
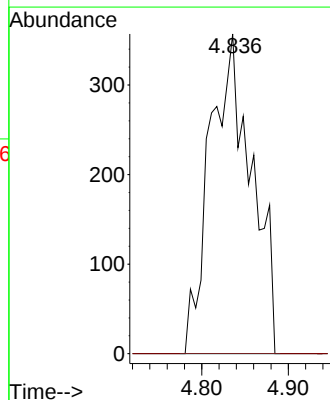
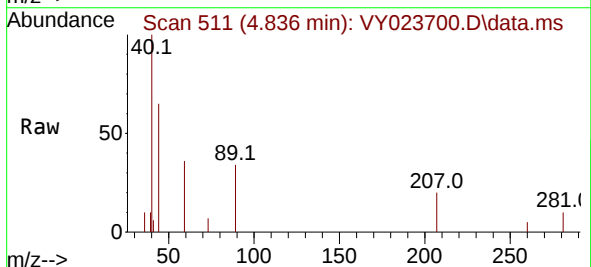
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-11062025

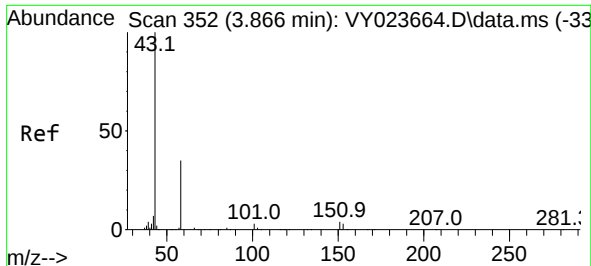
Tgt Ion:168 Resp: 790271
Ion Ratio Lower Upper
168 100
99 48.9 41.0 61.4



#11
Tert butyl alcohol
Concen: 2.740 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.031 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 59 Resp: 1191
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

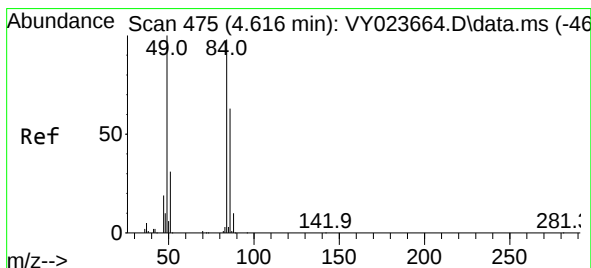
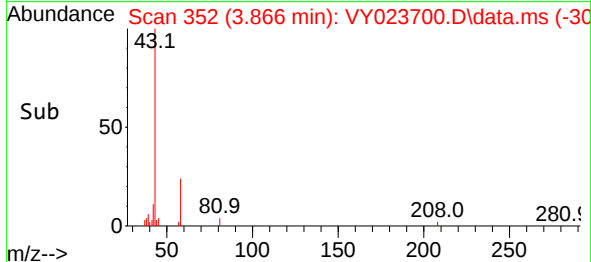
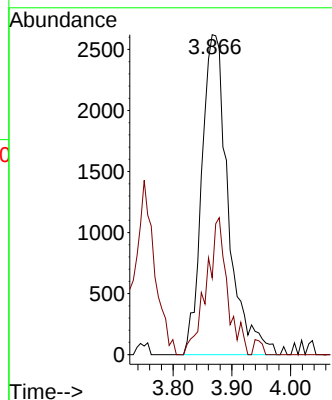
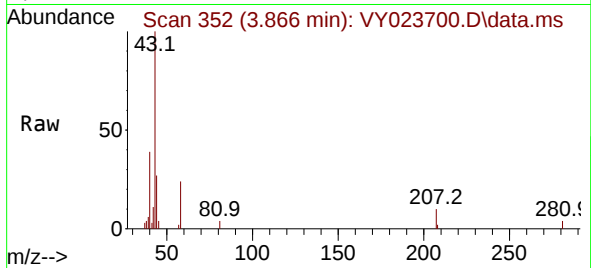




#16
Acetone
Concen: 4.891 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

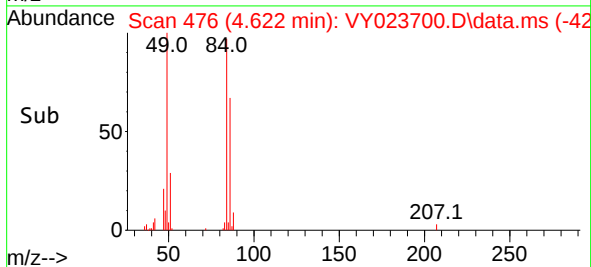
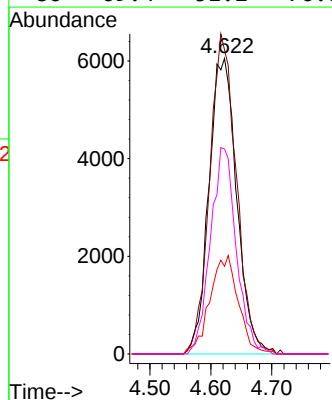
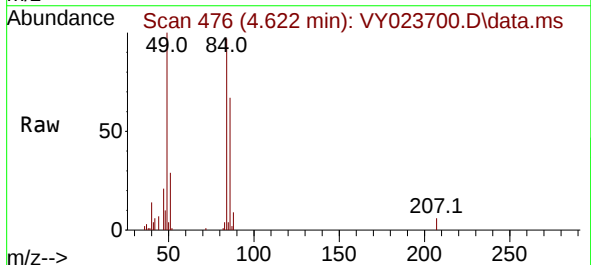
Instrument :
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ClientSampleId :
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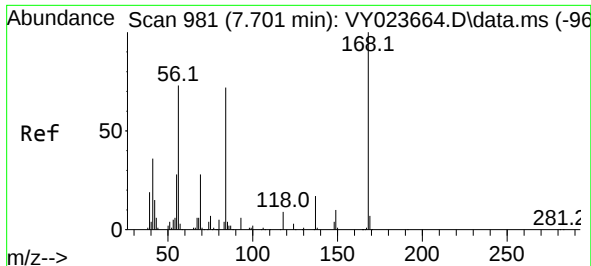
Tgt Ion: 43 Resp: 8196
Ion Ratio Lower Upper
43 100
58 24.0 28.2 42.4#



#20
Methylene Chloride
Concen: 2.382 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 84 Resp: 19270
Ion Ratio Lower Upper
84 100
49 102.9 81.5 122.3
51 29.7 25.5 38.3
86 69.4 51.2 76.8

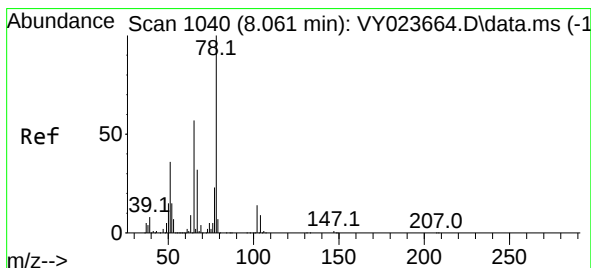
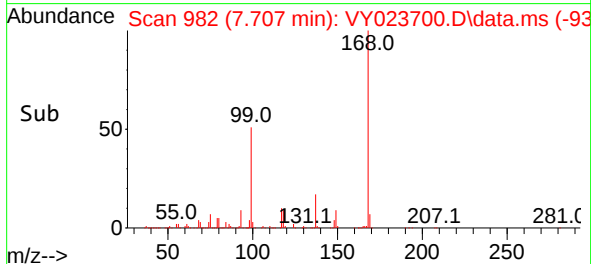
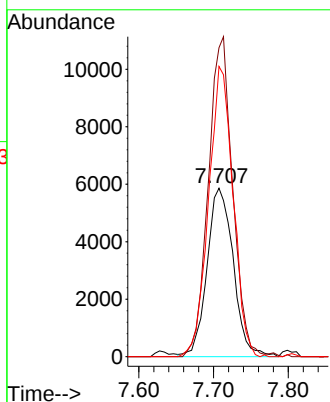
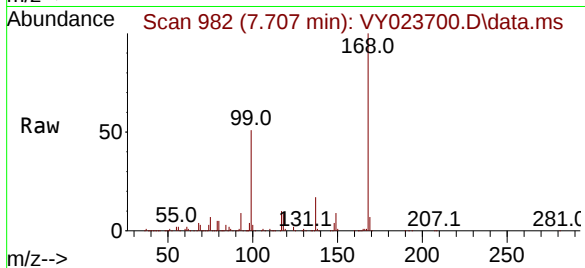




#31
Cyclohexane
Concen: 1.288 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

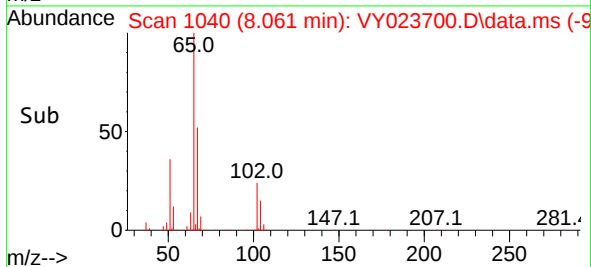
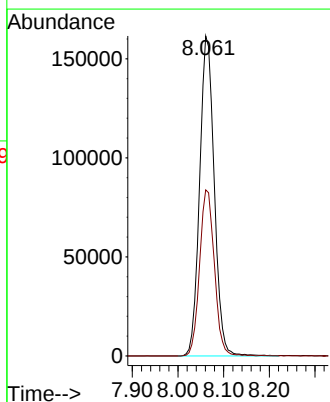
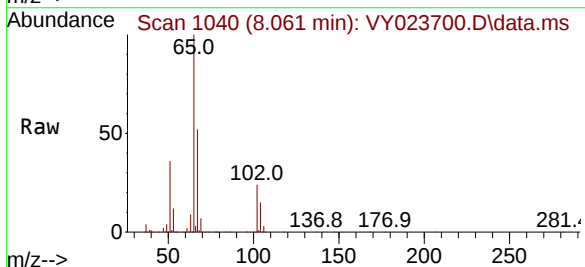
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-11062025

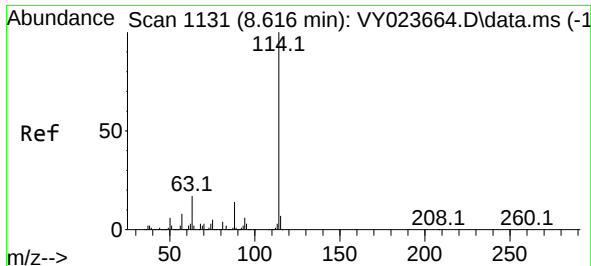
Tgt Ion: 56 Resp: 14308
Ion Ratio Lower Upper
56 100
69 183.3 30.5 45.7#
84 172.2 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 53.253 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 65 Resp: 358985
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

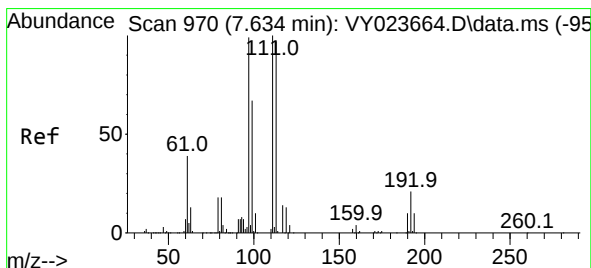
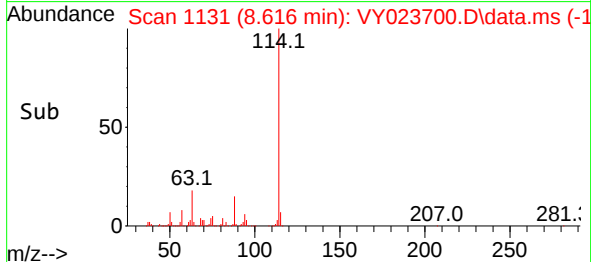
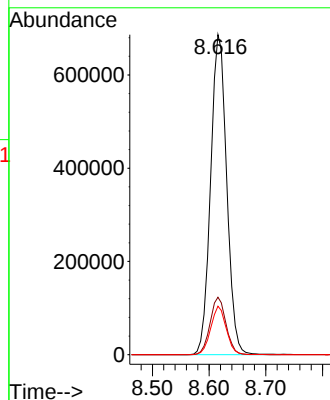
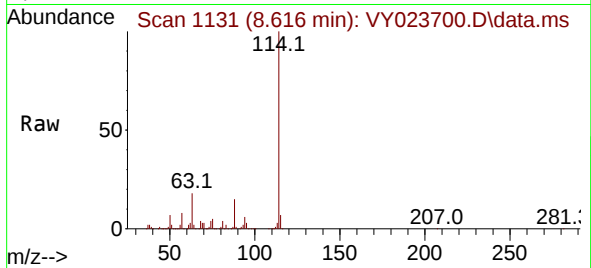




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

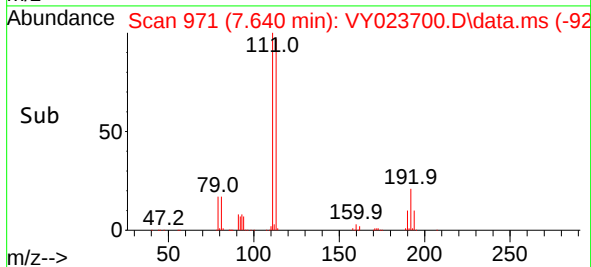
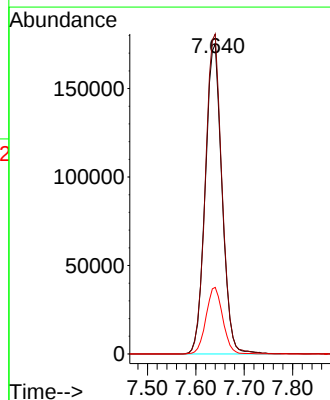
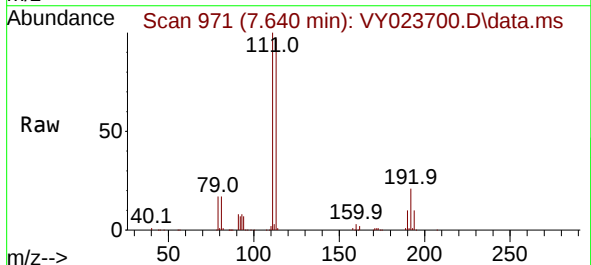
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-11062025

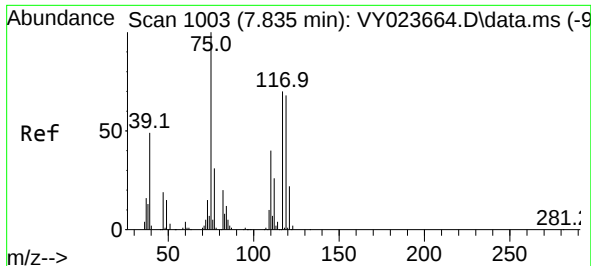
Tgt Ion:114 Resp: 1352816
Ion Ratio Lower Upper
114 100
63 18.0 0.0 33.8
88 15.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 49.679 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

Tgt Ion:113 Resp: 419992
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.4
192 21.5 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.755 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023700.D

Acq: 06 Nov 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-11062025

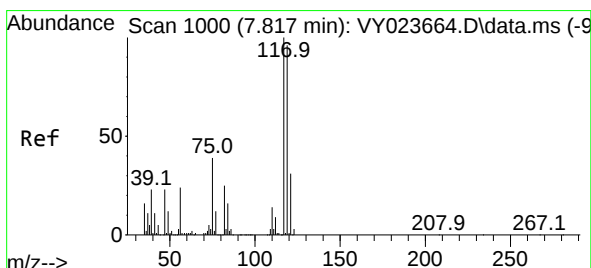
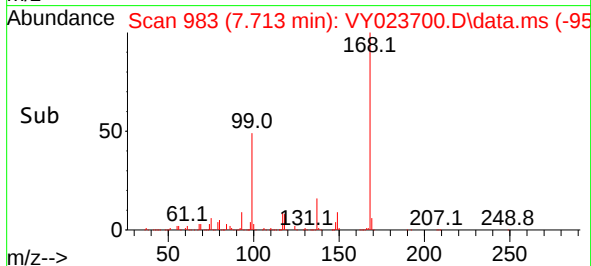
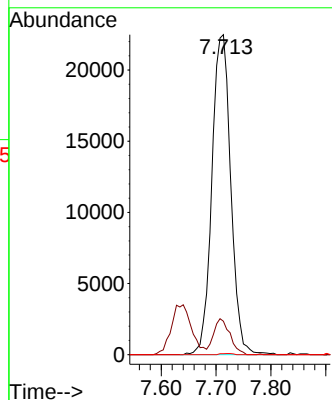
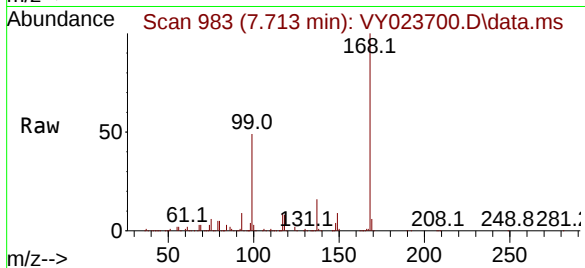
Tgt Ion: 75 Resp: 53715

Ion Ratio Lower Upper

75 100

110 9.7 19.7 59.0#

77 0.2 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.634 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023700.D

Acq: 06 Nov 2025 14:54

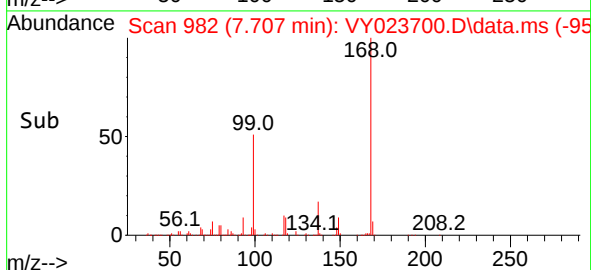
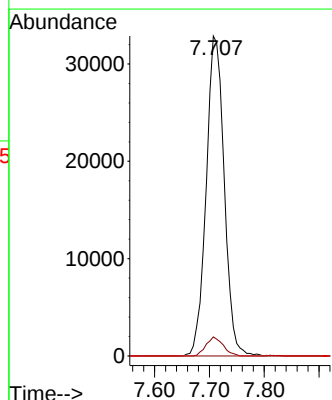
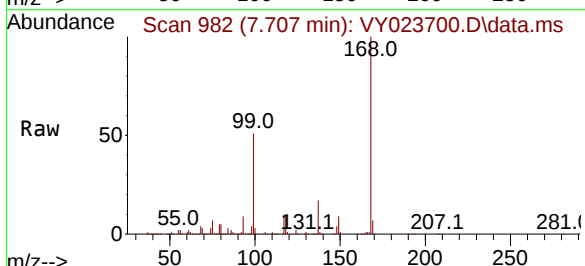
Tgt Ion: 117 Resp: 74991

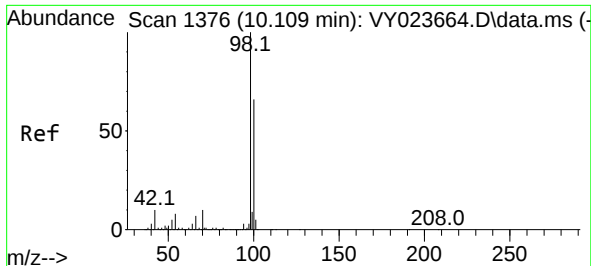
Ion Ratio Lower Upper

117 100

119 5.9 76.3 114.5#

121 0.0 24.8 37.2#

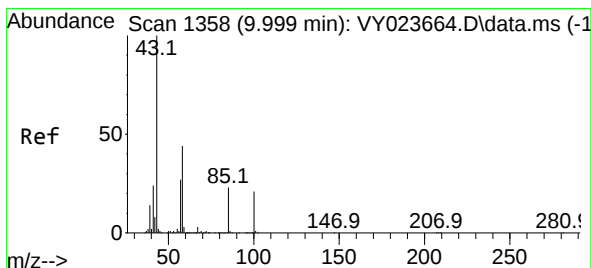
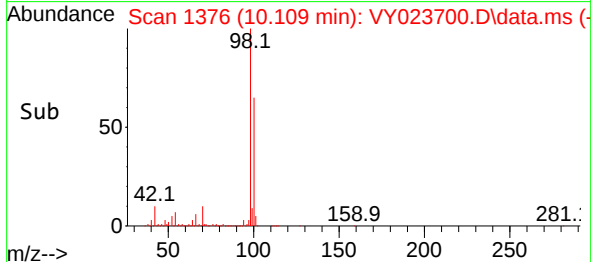
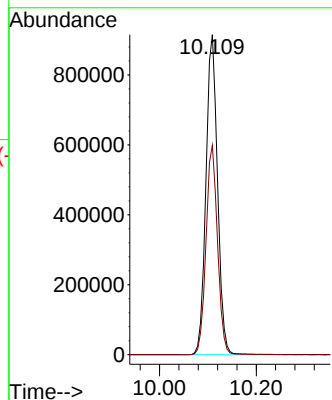
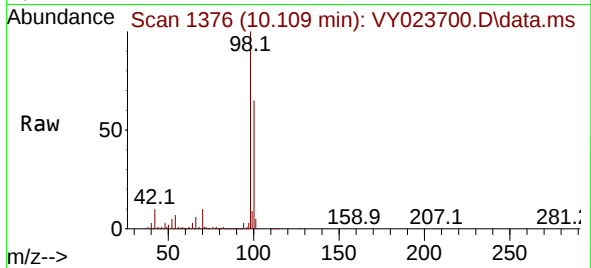




#50
Toluene-d8
Concen: 48.306 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

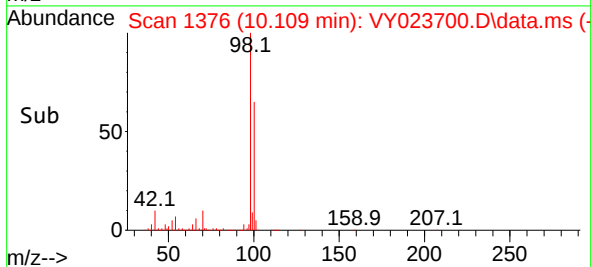
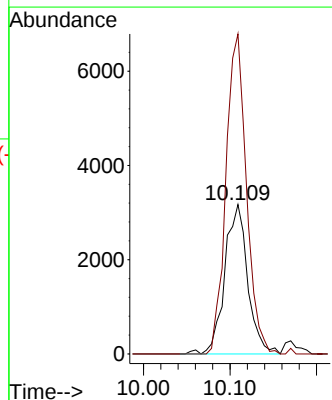
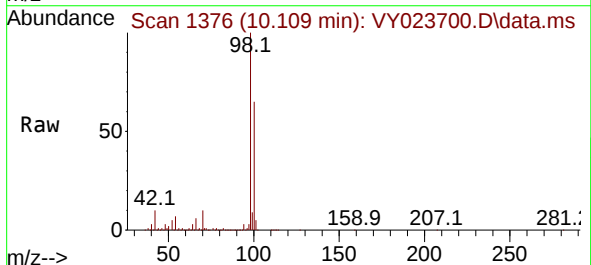
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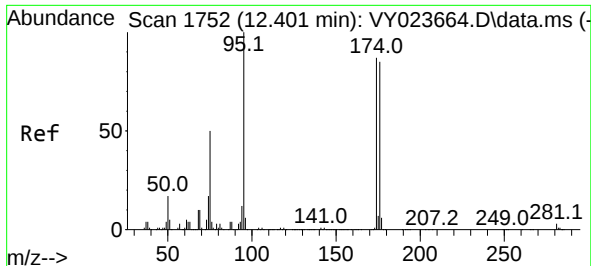
Tgt Ion: 98 Resp: 1521259
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.334 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 43 Resp: 5830
Ion Ratio Lower Upper
43 100
58 191.8 34.8 52.2#

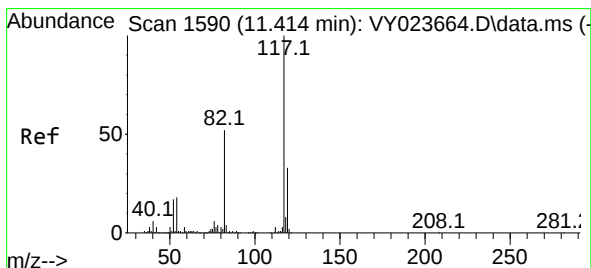
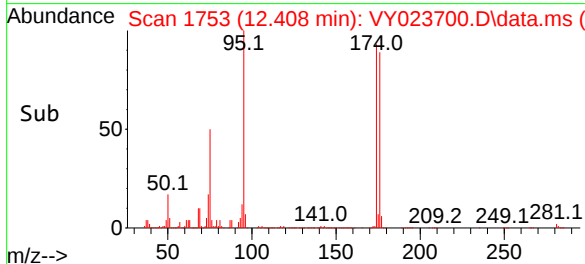
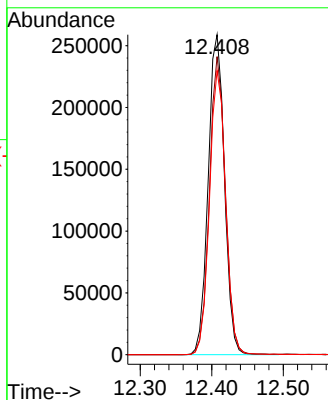
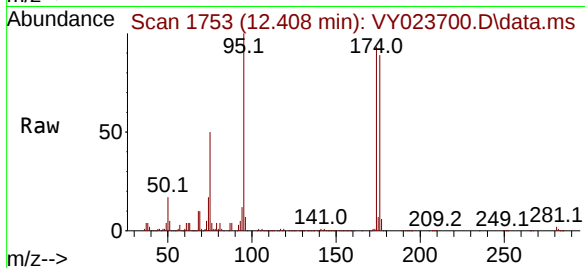




#62
4-Bromofluorobenzene
Concen: 40.257 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

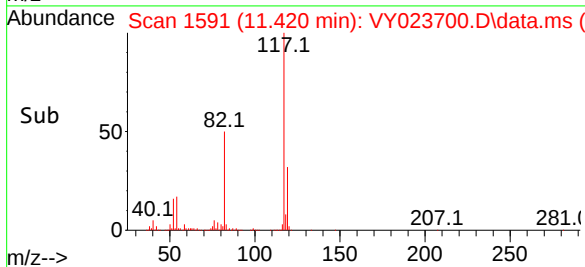
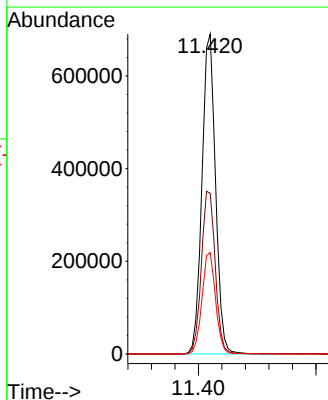
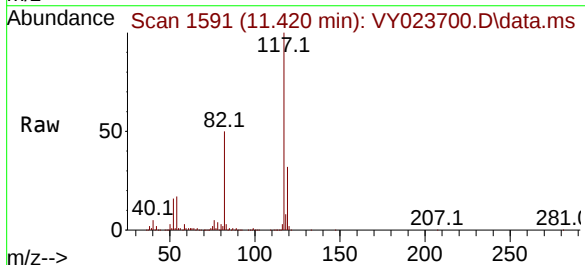
Instrument :
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ClientSampleId :
OR-03-11062025

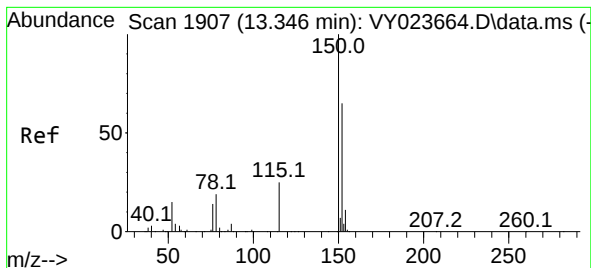
Tgt Ion: 95 Resp: 409998
Ion Ratio Lower Upper
95 100
174 91.3 0.0 184.8
176 88.0 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 117 Resp: 1107610
Ion Ratio Lower Upper
117 100
82 50.2 41.2 61.8
119 31.7 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023700.D

Acq: 06 Nov 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-11062025

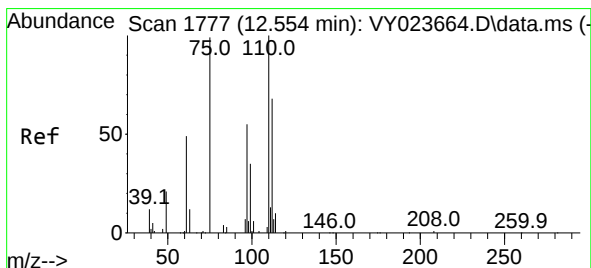
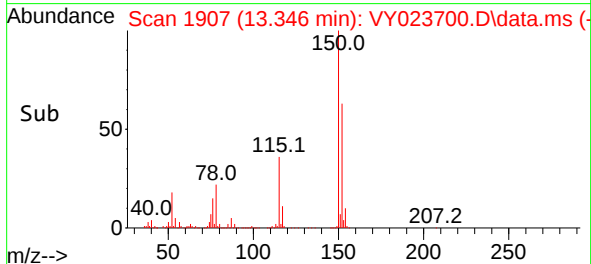
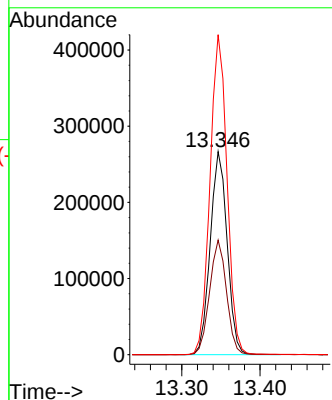
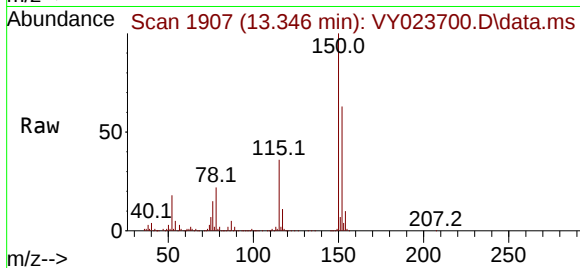
Tgt Ion:152 Resp: 400964

Ion Ratio Lower Upper

152 100

115 56.4 27.5 82.5

150 158.1 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 62.541 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023700.D

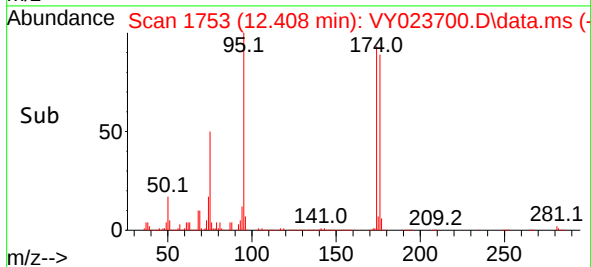
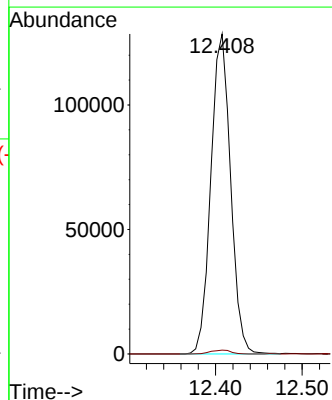
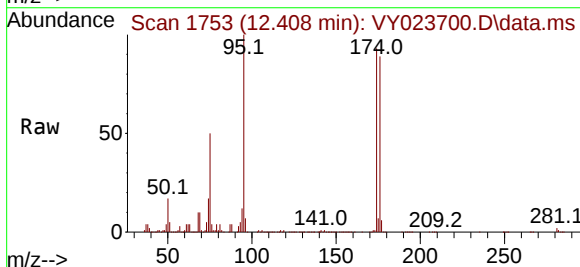
Acq: 06 Nov 2025 14:54

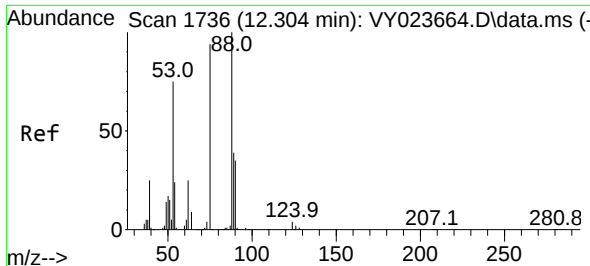
Tgt Ion: 75 Resp: 202948

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

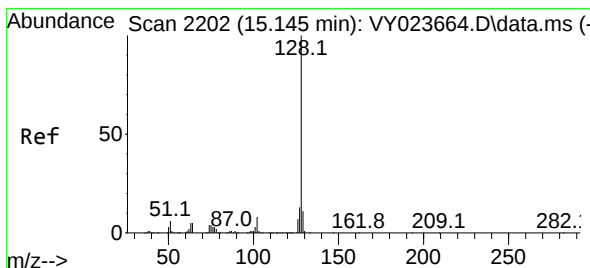
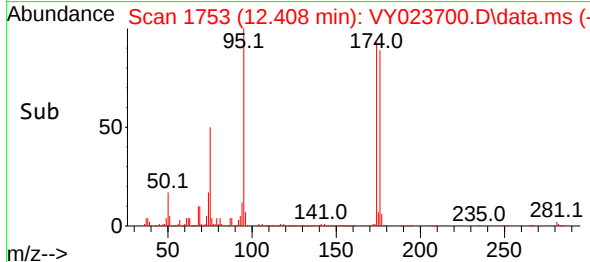
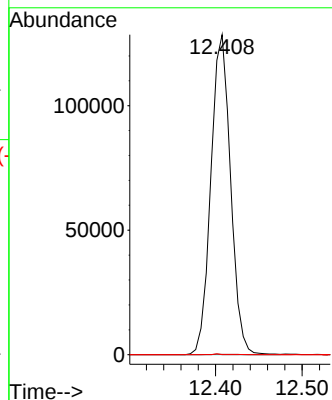
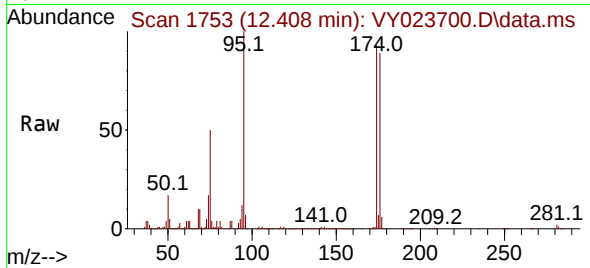




#81
trans-1,4-Dichloro-2-butene
Concen: 141.339 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-11062025

Tgt Ion: 75 Resp: 202948
Ion Ratio Lower Upper
75 100
53 0.2 69.6 104.4#
89 0.1 38.2 57.4#



#95
Naphthalene
Concen: 6.450 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 128 Resp: 15668
Ion Ratio Lower Upper
128 100
127 14.9 10.5 15.7
129 11.0 8.8 13.2

