

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023770.D
 Acq On : 12 Nov 2025 17:42
 Operator : SY/MD
 Sample : Q3614-03
 Misc : 5.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-3

Quant Time: Nov 14 03:41:50 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)

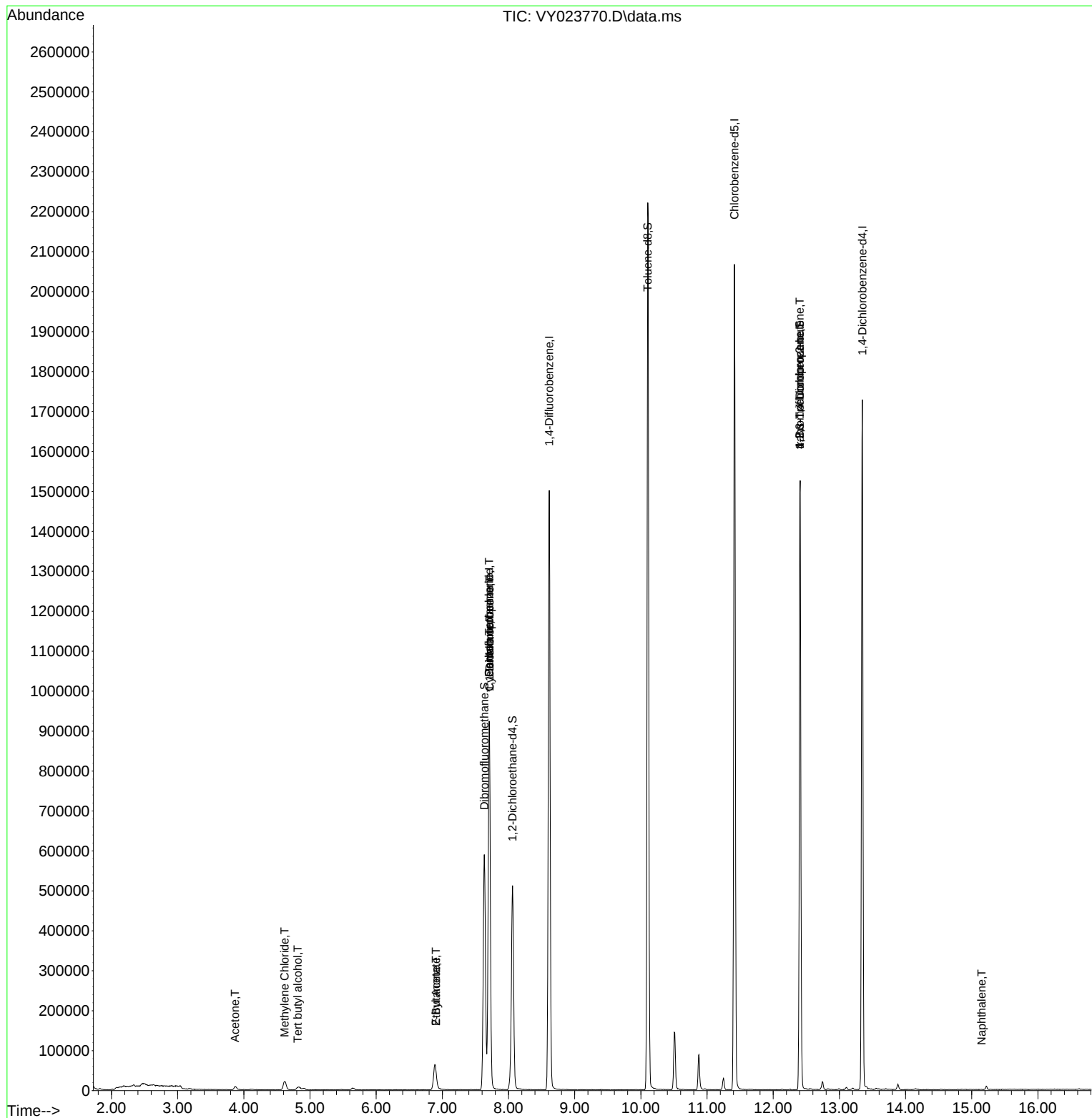
Internal Standards						
1) Pentafluorobenzene	7.707	168	759606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1324033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1144655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	465011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	385139	59.439	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.880%
35) Dibromofluoromethane	7.634	113	421681	50.963	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.920%
50) Toluene-d8	10.103	98	1505208	48.835	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.660%
62) 4-Bromofluorobenzene	12.402	95	449674	45.113	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.811	59	7132	17.070	ug/l #	74
16) Acetone	3.866	43	13136	8.156	ug/l	95
20) Methylene Chloride	4.616	84	17048	2.193	ug/l	94
25) 2-Butanone	6.903	43	7018	3.769	ug/l	100
31) Cyclohexane	7.713	56	12973	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	52669	4.764	ug/l #	47
37) Ethyl Acetate	6.903	43	7018	1.640	ug/l #	38
38) Carbon Tetrachloride	7.707	117	70380	5.403	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	222719	59.180	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	222719	133.744	ug/l #	14
95) Naphthalene	15.151	128	334	5.284	ug/l #	69

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

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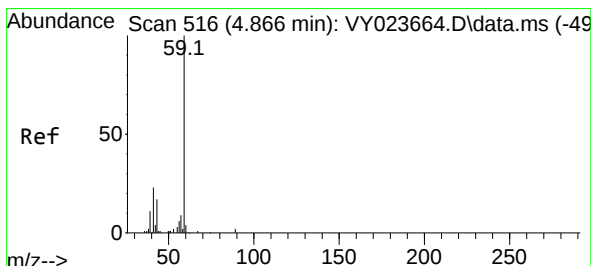
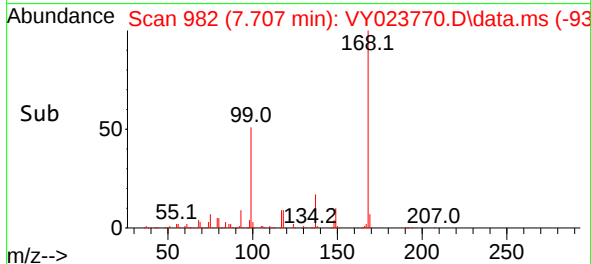
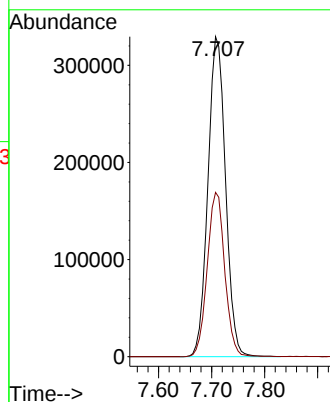
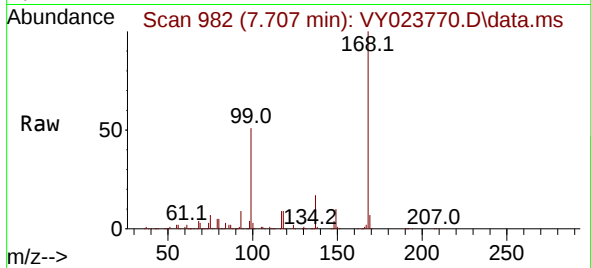




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023770.D
Acq: 12 Nov 2025 17:42

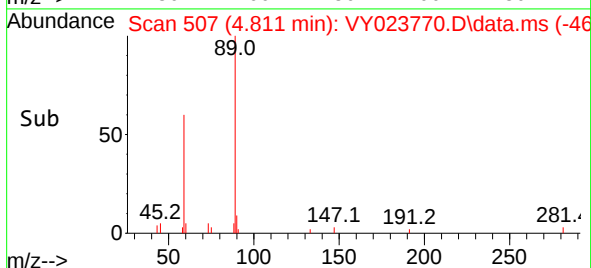
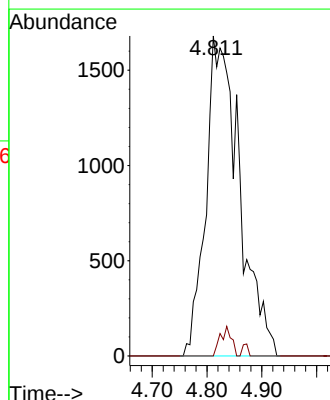
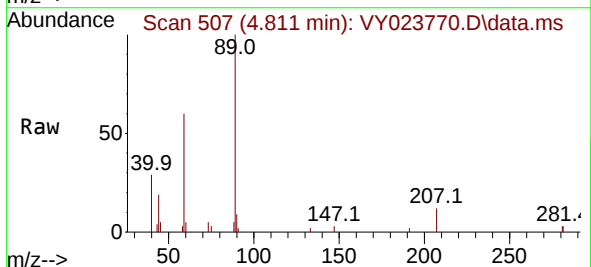
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

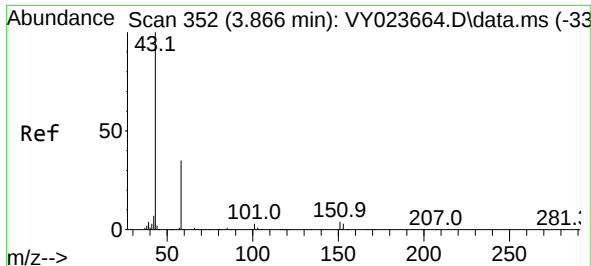
Tgt Ion:168 Resp: 759606
Ion Ratio Lower Upper
168 100
99 51.3 41.0 61.4



#11
Tert butyl alcohol
Concen: 17.070 ug/l
RT: 4.811 min Scan# 507
Delta R.T. -0.055 min
Lab File: VY023770.D
Acq: 12 Nov 2025 17:42

Tgt Ion: 59 Resp: 7132
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 8.156 ug/l

RT: 3.866 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY023770.D

Acq: 12 Nov 2025 17:42

Instrument :

MSVOA_Y

ClientSampleId :

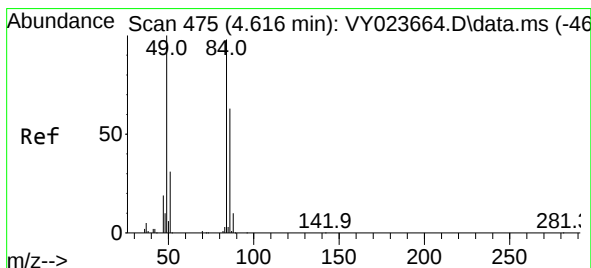
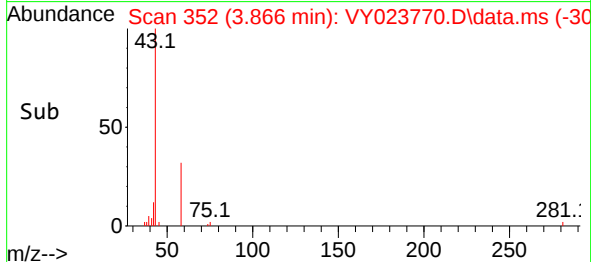
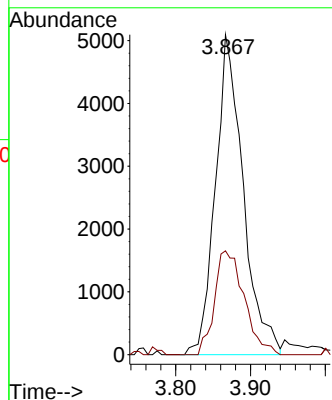
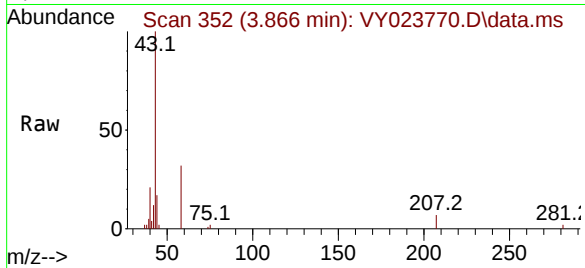
COMP-3

Tgt Ion: 43 Resp: 13136

Ion Ratio Lower Upper

43 100

58 32.5 28.2 42.4



#20

Methylene Chloride

Concen: 2.193 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023770.D

Acq: 12 Nov 2025 17:42

Tgt Ion: 84 Resp: 17048

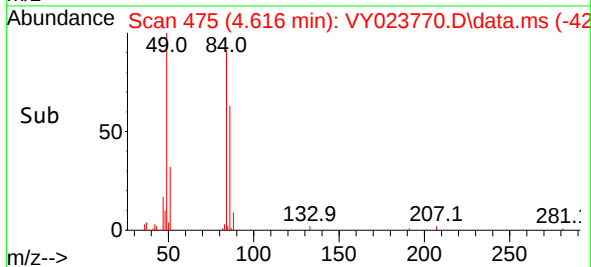
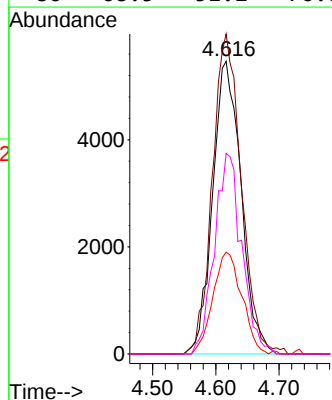
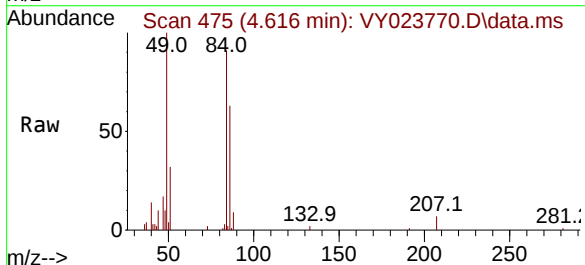
Ion Ratio Lower Upper

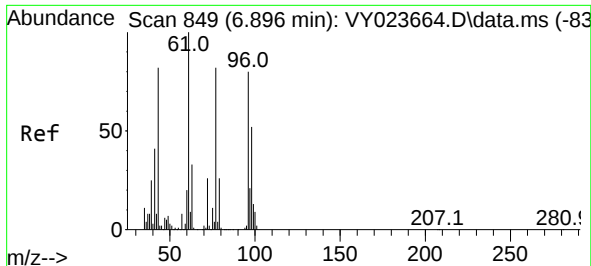
84 100

49 109.3 81.5 122.3

51 34.8 25.5 38.3

86 68.5 51.2 76.8

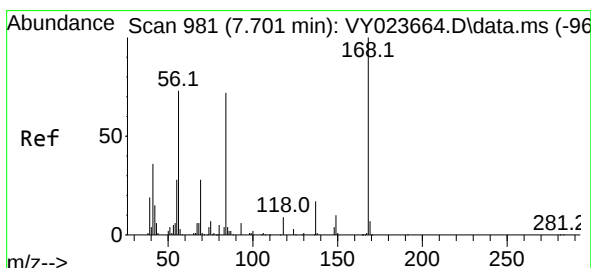
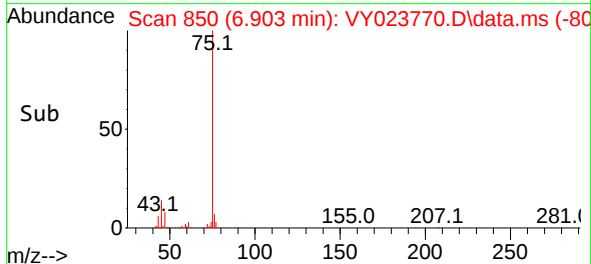
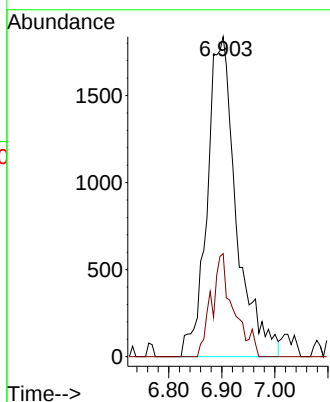
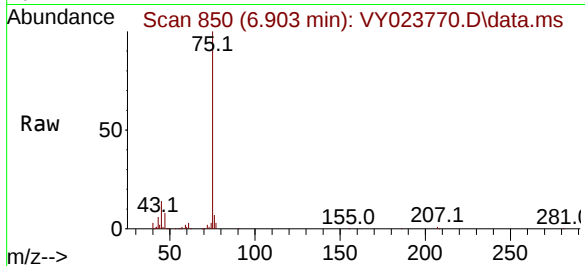




#25
2-Butanone
Concen: 3.769 ug/l
RT: 6.903 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY023770.D
Acq: 12 Nov 2025 17:42

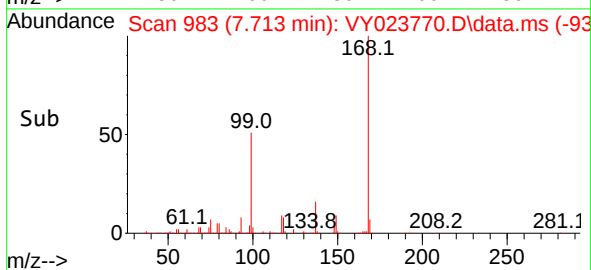
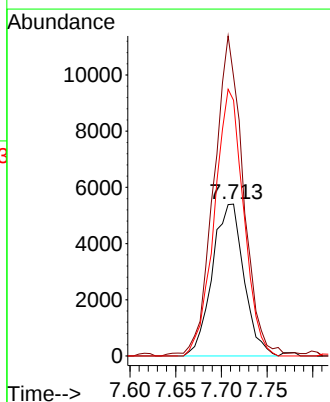
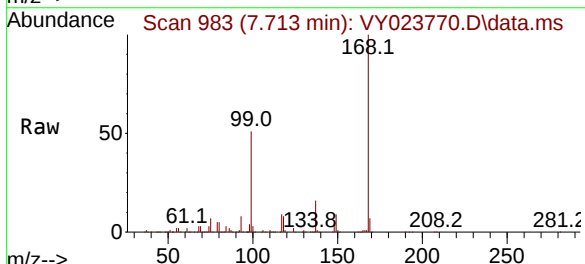
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

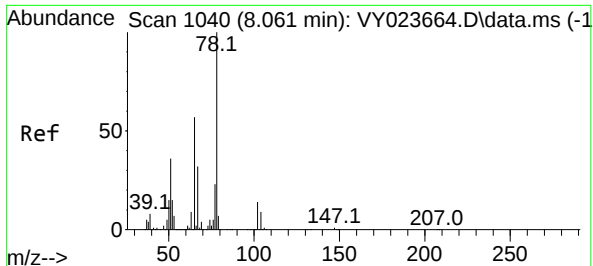
Tgt Ion: 43 Resp: 7018
Ion Ratio Lower Upper
43 100
72 32.2 25.7 38.5



#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023770.D
Acq: 12 Nov 2025 17:42

Tgt Ion: 56 Resp: 12973
Ion Ratio Lower Upper
56 100
69 182.1 30.5 45.7#
84 168.4 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 59.439 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023770.D

Acq: 12 Nov 2025 17:42

Instrument :

MSVOA_Y

ClientSampleId :

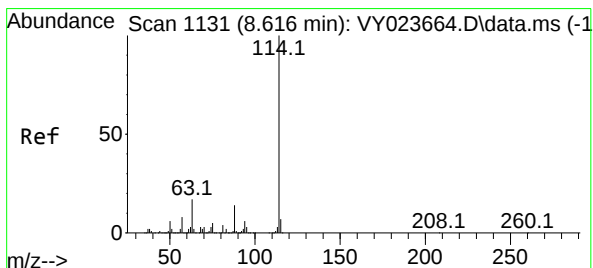
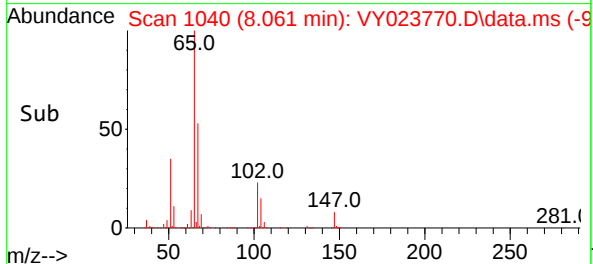
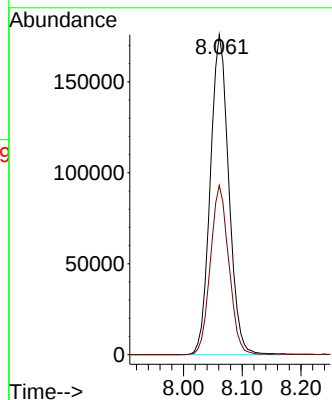
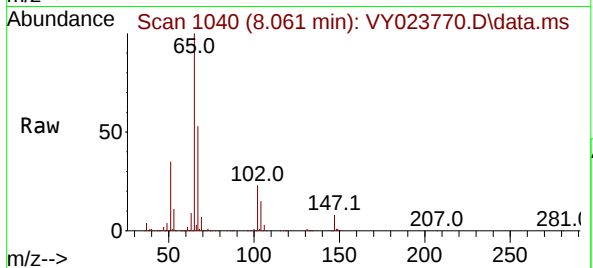
COMP-3

Tgt Ion: 65 Resp: 385139

Ion Ratio Lower Upper

65 100

67 52.7 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: VY023770.D

Acq: 12 Nov 2025 17:42

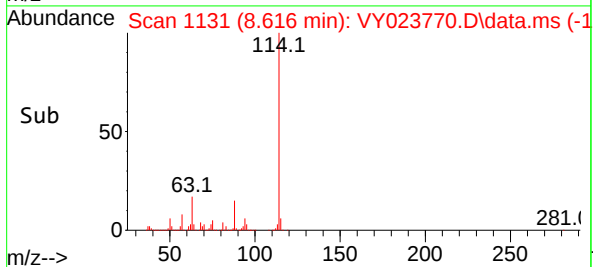
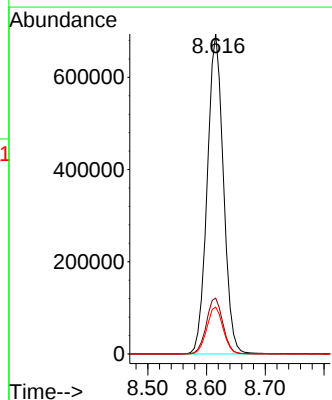
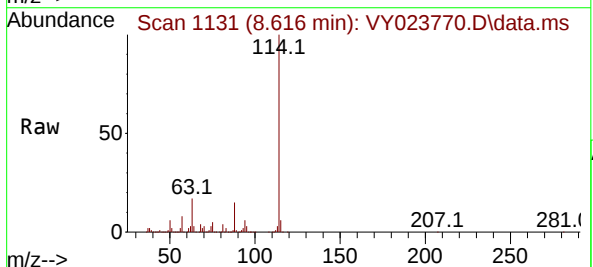
Tgt Ion:114 Resp: 1324033

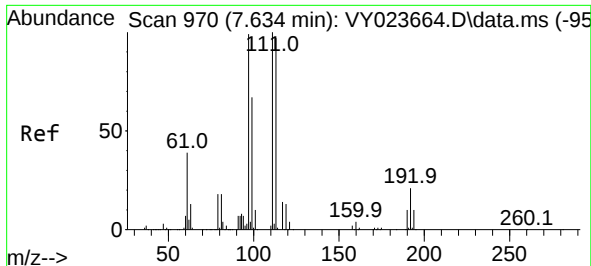
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

88 14.7 0.0 29.0

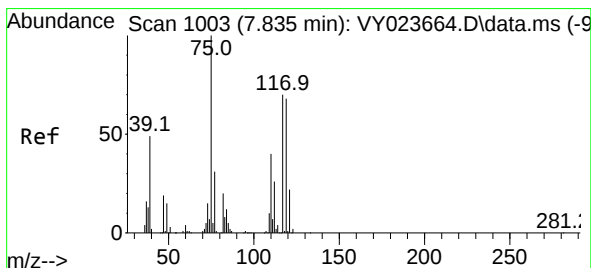
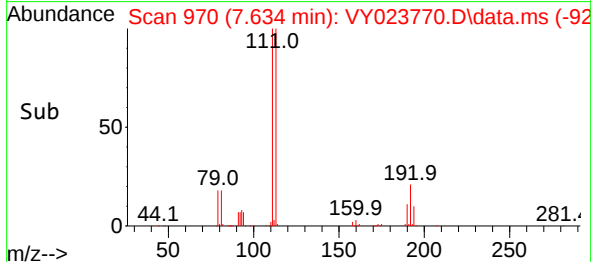
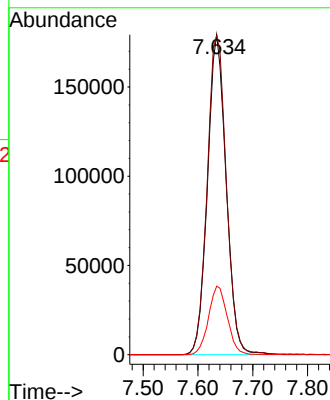
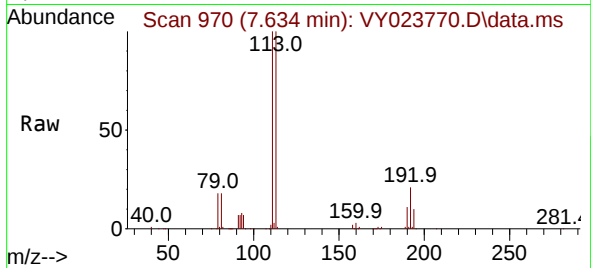




#35
Dibromofluoromethane
Concen: 50.963 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023770.D
Acq: 12 Nov 2025 17:42

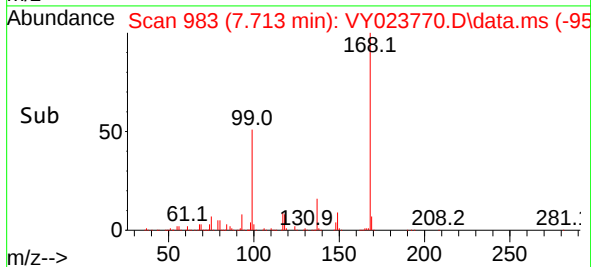
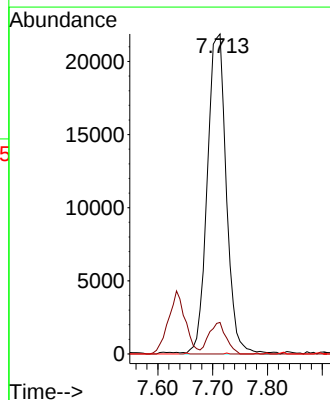
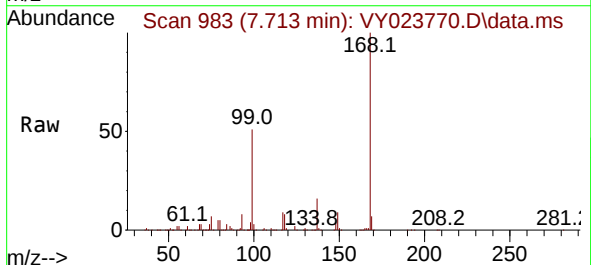
Instrument :
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COMP-3

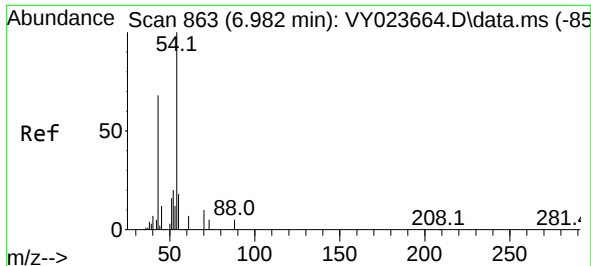
Tgt Ion:113 Resp: 421681
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.4
192 21.7 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.764 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023770.D
Acq: 12 Nov 2025 17:42

Tgt Ion: 75 Resp: 52669
Ion Ratio Lower Upper
75 100
110 8.9 19.7 59.0#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.640 ug/l

RT: 6.903 min Scan# 81

Delta R.T. -0.079 min

Lab File: VY023770.D

Acq: 12 Nov 2025 17:42

Instrument :

MSVOA_Y

ClientSampleId :

COMP-3

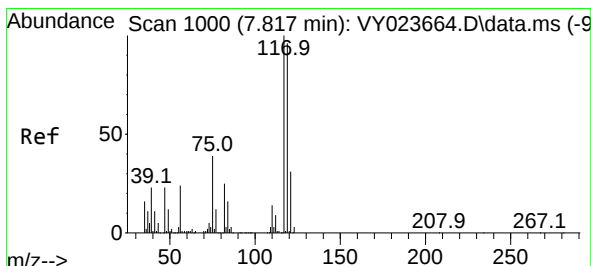
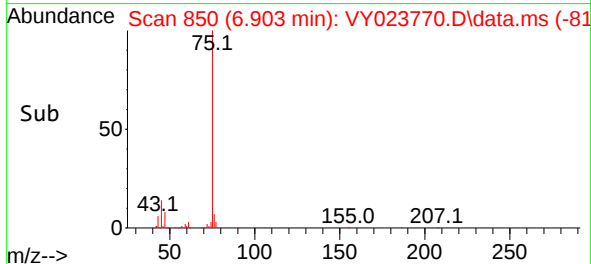
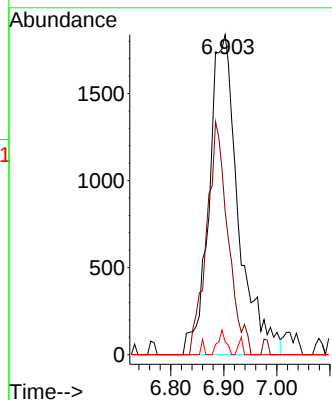
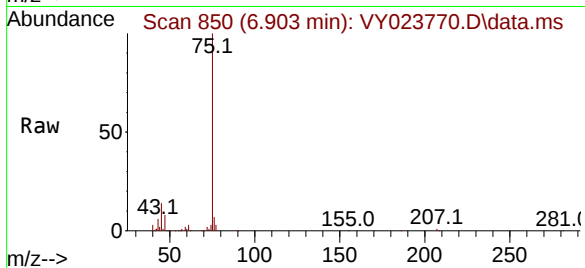
Tgt Ion: 43 Resp: 7018

Ion Ratio Lower Upper

43 100

61 53.5 12.4 18.6#

70 2.1 9.8 14.8#



#38

Carbon Tetrachloride

Concen: 5.403 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023770.D

Acq: 12 Nov 2025 17:42

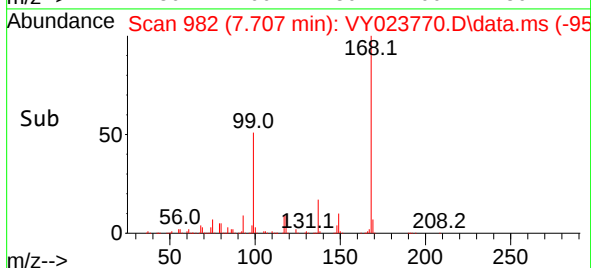
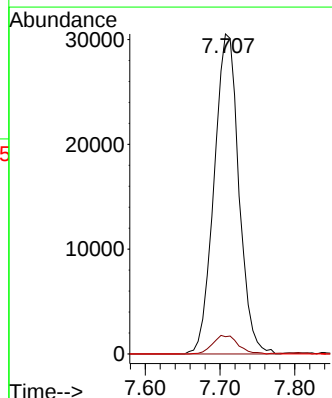
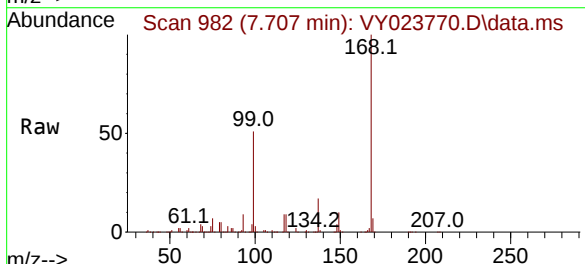
Tgt Ion: 117 Resp: 70380

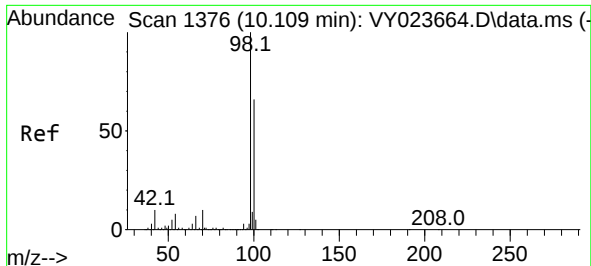
Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

121 0.0 24.8 37.2#

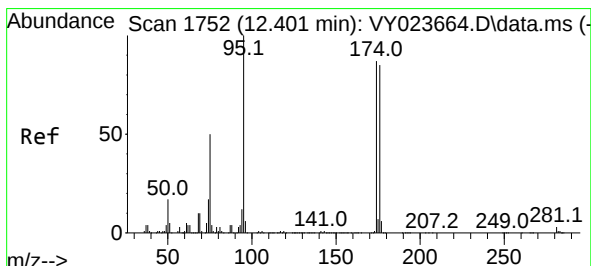
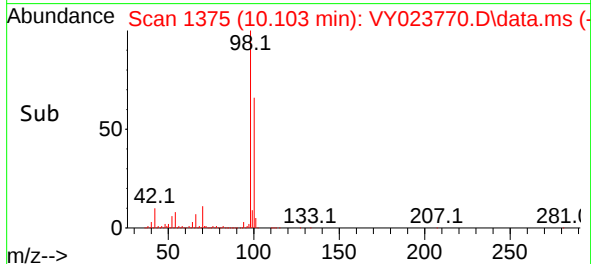
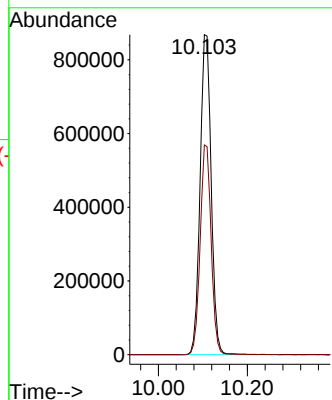
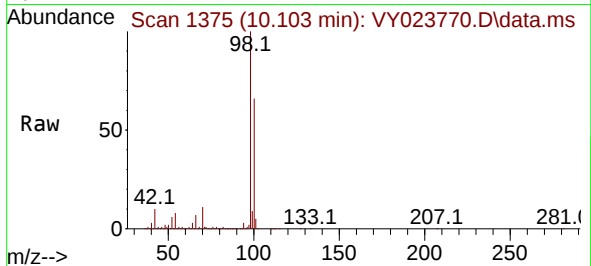




#50
Toluene-d8
Concen: 48.835 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY023770.D
Acq: 12 Nov 2025 17:42

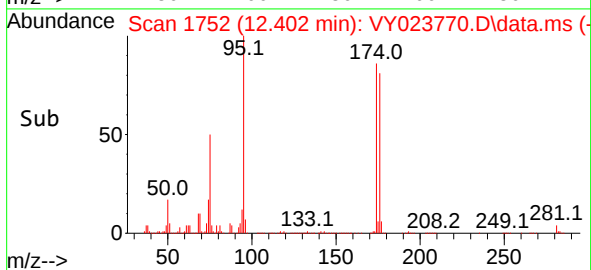
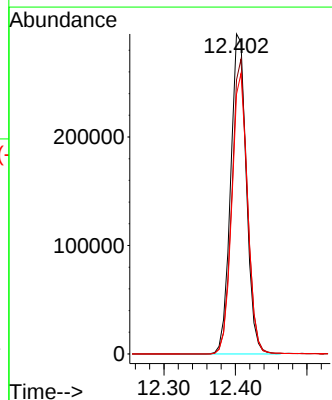
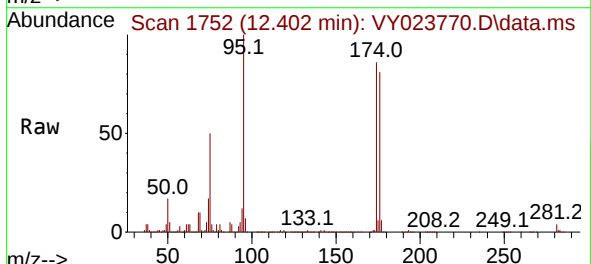
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

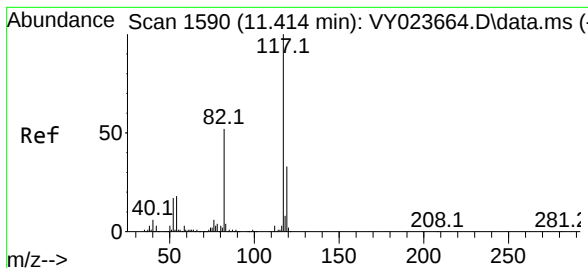
Tgt Ion: 98 Resp: 1505208
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 45.113 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023770.D
Acq: 12 Nov 2025 17:42

Tgt Ion: 95 Resp: 449674
Ion Ratio Lower Upper
95 100
174 91.3 0.0 184.8
176 87.9 0.0 181.6

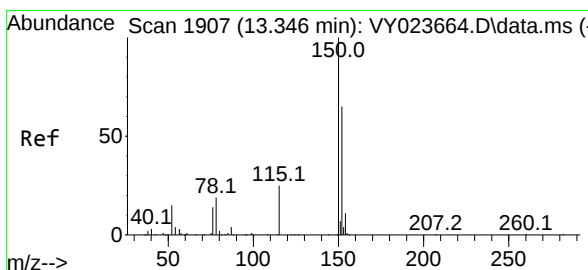
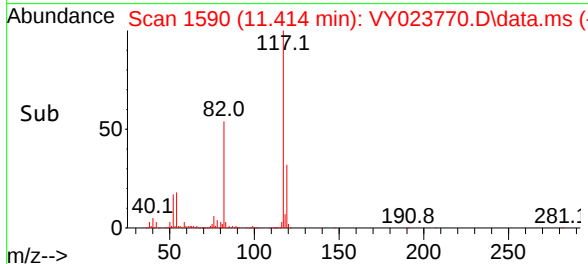
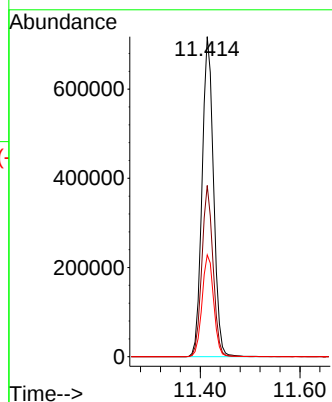
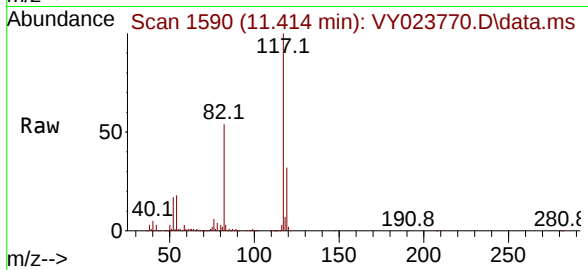




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023770.D
Acq: 12 Nov 2025 17:42

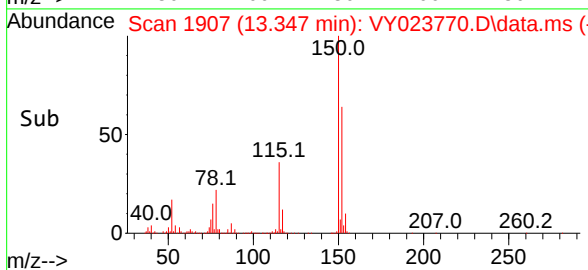
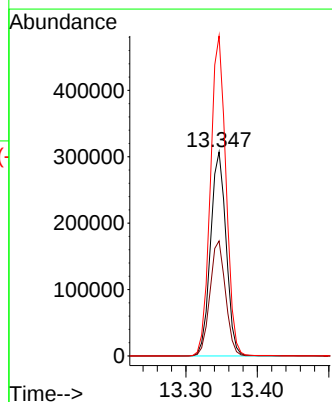
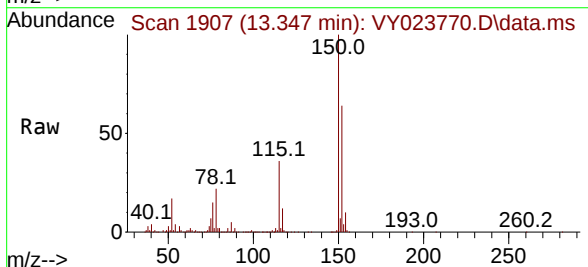
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

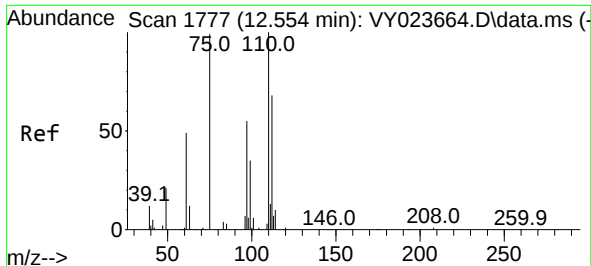
Tgt Ion:117 Resp: 1144655
Ion Ratio Lower Upper
117 100
82 53.5 41.2 61.8
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023770.D
Acq: 12 Nov 2025 17:42

Tgt Ion:152 Resp: 465011
Ion Ratio Lower Upper
152 100
115 56.3 27.5 82.5
150 156.8 0.0 349.0

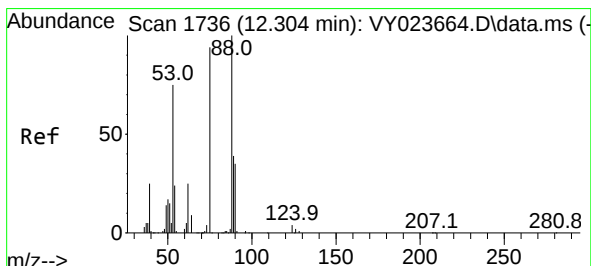
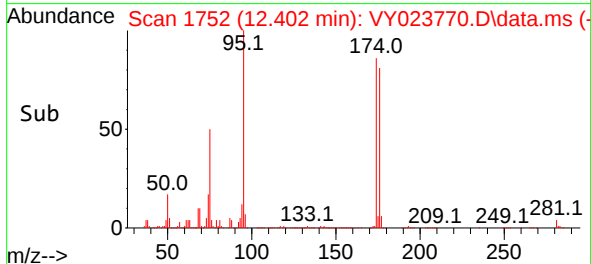
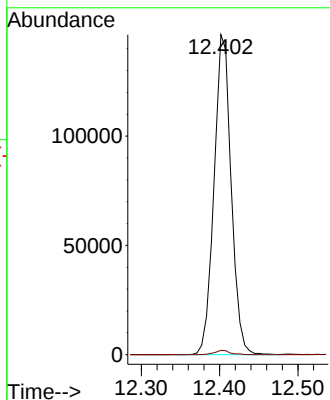
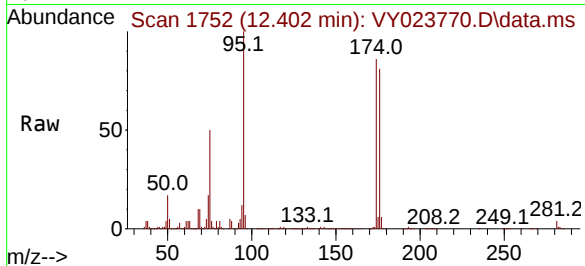




#76
 1,2,3-Trichloropropane
 Concen: 59.180 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023770.D
 Acq: 12 Nov 2025 17:42

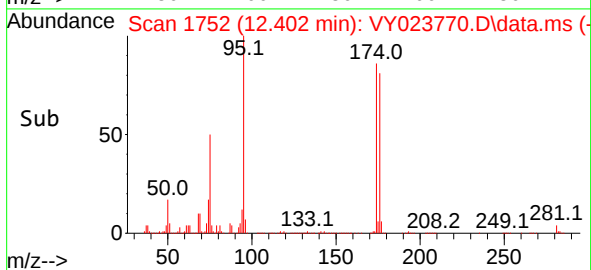
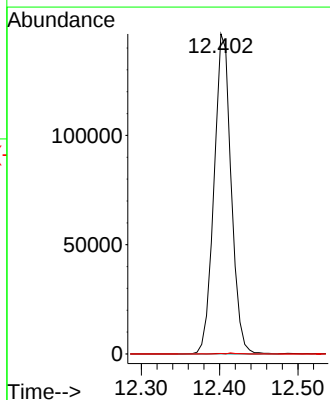
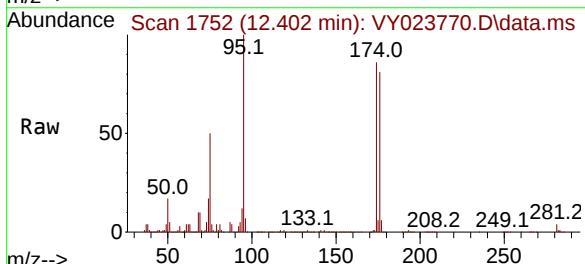
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-3

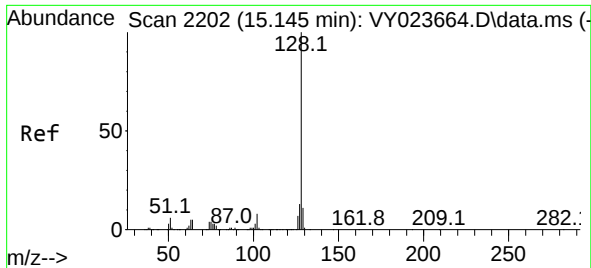
Tgt Ion: 75 Resp: 222719
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.744 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.098 min
 Lab File: VY023770.D
 Acq: 12 Nov 2025 17:42

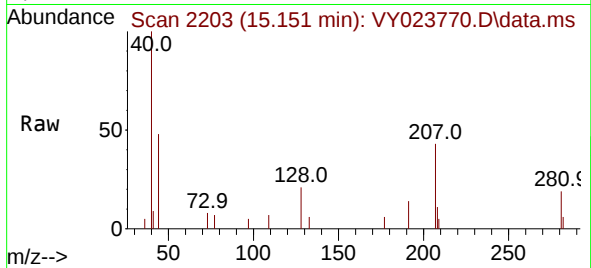
Tgt Ion: 75 Resp: 222719
 Ion Ratio Lower Upper
 75 100
 53 0.2 69.6 104.4#
 89 0.2 38.2 57.4#





#95
Naphthalene
Concen: 5.284 ug/l
RT: 15.151 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY023770.D
Acq: 12 Nov 2025 17:42

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3



Tgt Ion:128 Resp: 334
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.8 13.2#

