

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023128.D
 Acq On : 15 Aug 2025 16:21
 Operator : SY/MD
 Sample : Q2844-02
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0224-0225

Quant Time: Aug 18 02:31:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

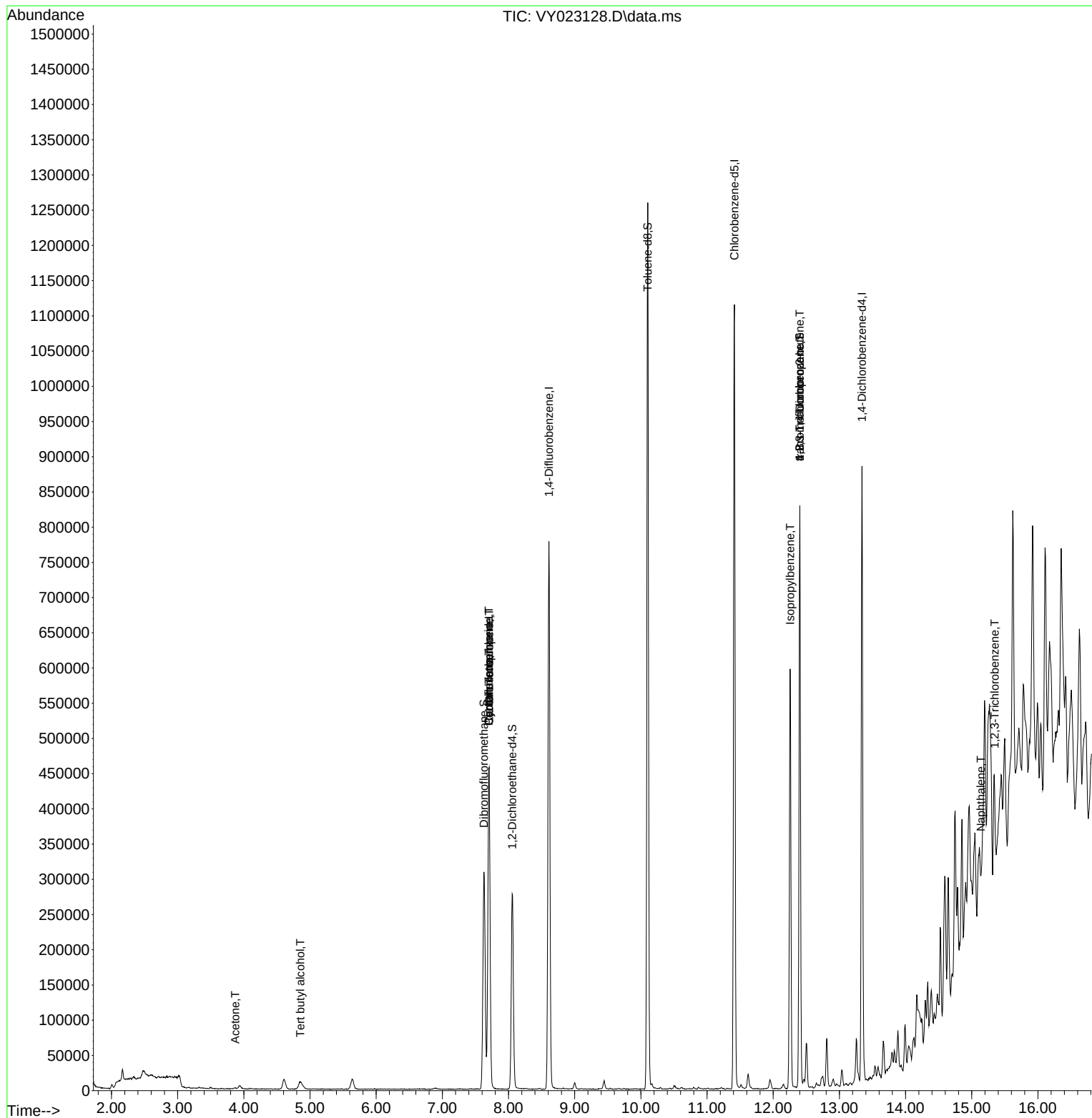
Internal Standards						
1) Pentafluorobenzene	7.701	168	359162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	674159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	586571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	217513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	220117	64.304	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.600%	
35) Dibromofluoromethane	7.628	113	219672	54.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.920%	
50) Toluene-d8	10.103	98	806003	51.146	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.300%	
62) 4-Bromofluorobenzene	12.402	95	241611	47.673	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	18959	80.833	ug/l #	91
16) Acetone	3.873	43	2359	3.181	ug/l #	67
31) Cyclohexane	7.701	56	8039	1.261	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	27883	4.651	ug/l #	50
38) Carbon Tetrachloride	7.701	117	36495	5.605	ug/l #	17
73) Isopropylbenzene	12.255	105	24711	1.610	ug/l #	65
76) 1,2,3-Trichloropropane	12.402	75	129154	61.524	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	129154	148.931	ug/l #	14
95) Naphthalene	15.139	128	13851	2.169	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.346	180	4986	1.545	ug/l #	12

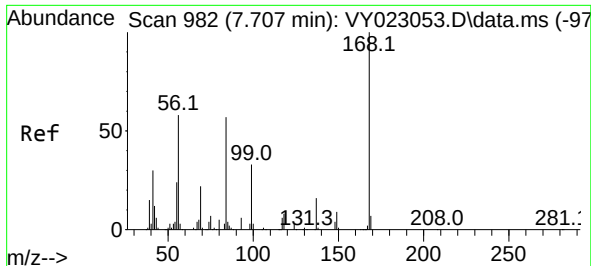
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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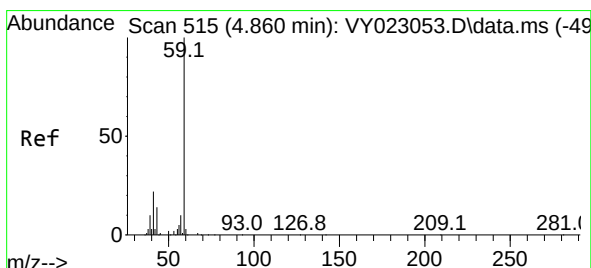
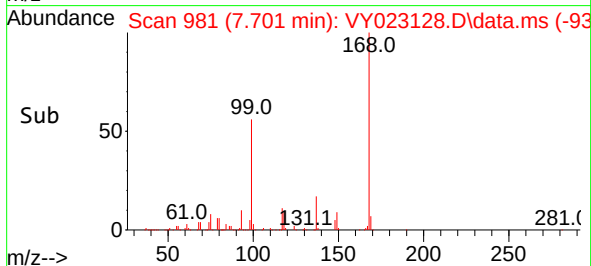
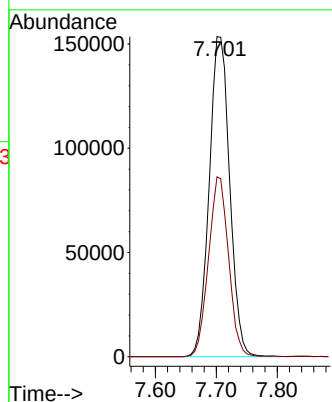
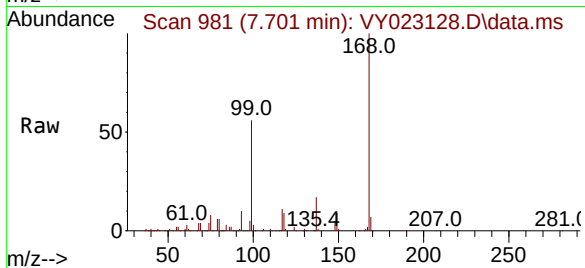




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

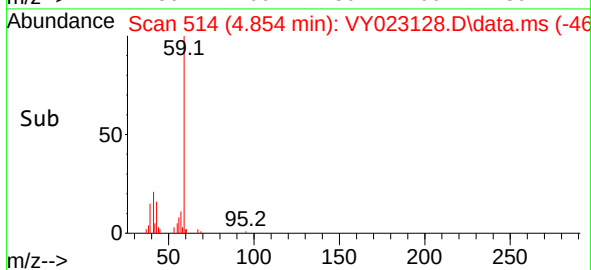
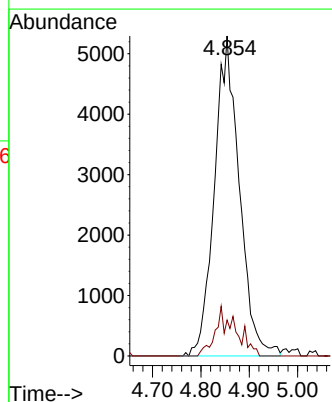
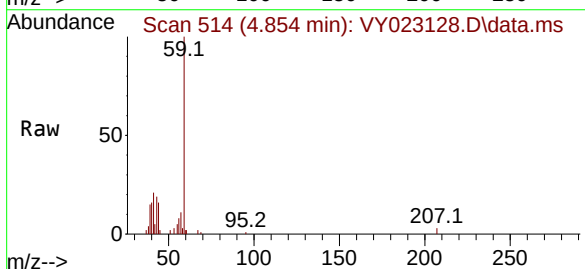
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0224-0225

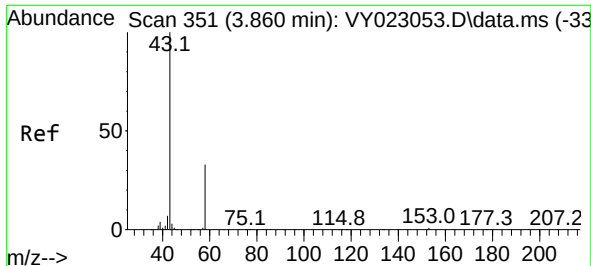
Tgt Ion:168 Resp: 359162
Ion Ratio Lower Upper
168 100
99 56.2 42.8 64.2



#11
Tert butyl alcohol
Concen: 80.833 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

Tgt Ion: 59 Resp: 18959
Ion Ratio Lower Upper
59 100
57 7.5 8.6 13.0#

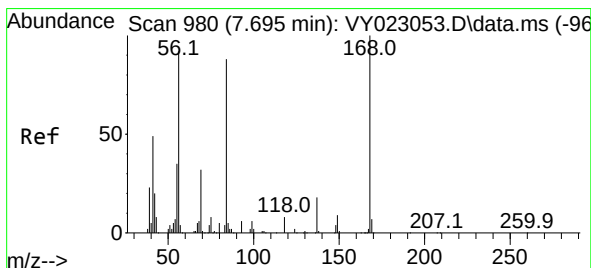
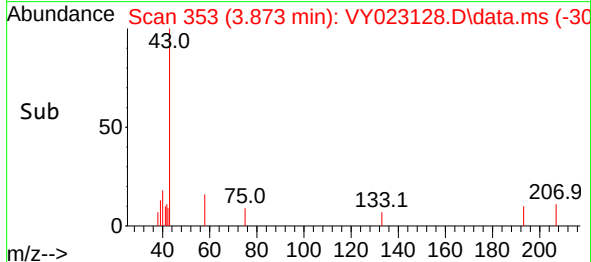
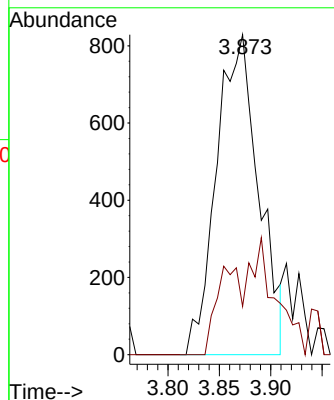
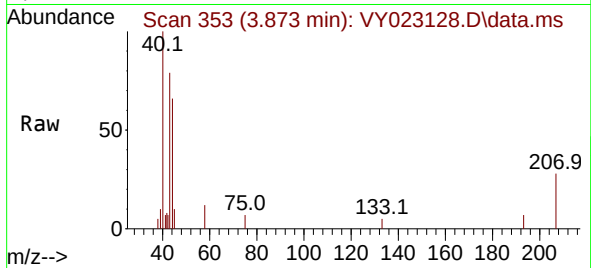




#16
Acetone
Concen: 3.181 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

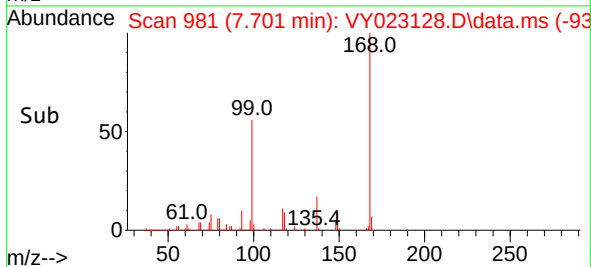
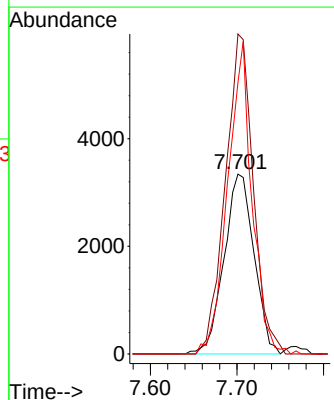
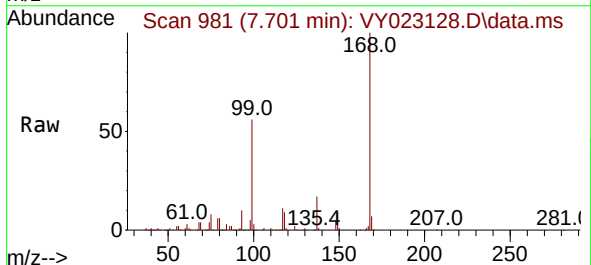
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0224-0225

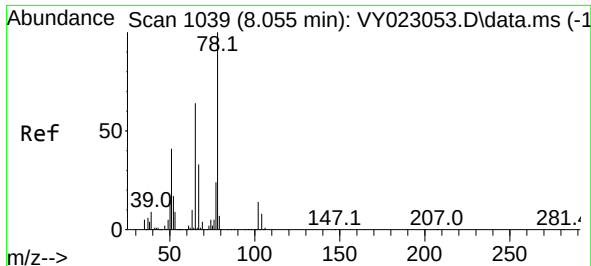
Tgt Ion: 43 Resp: 2359
Ion Ratio Lower Upper
43 100
58 15.1 27.1 40.7#



#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

Tgt Ion: 56 Resp: 8039
Ion Ratio Lower Upper
56 100
69 178.0 28.2 42.2#
84 151.0 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 64.304 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY023128.D

Acq: 15 Aug 2025 16:21

Instrument :

MSVOA_Y

ClientSampleId :

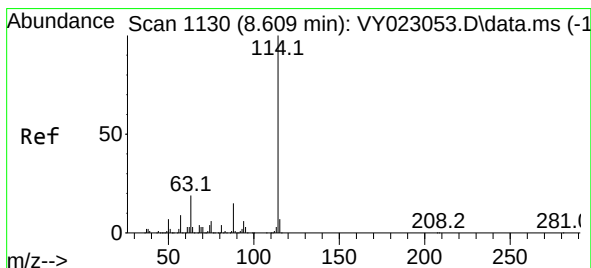
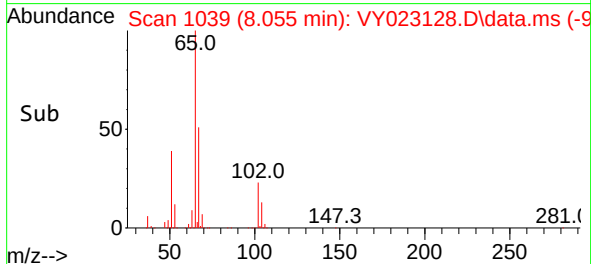
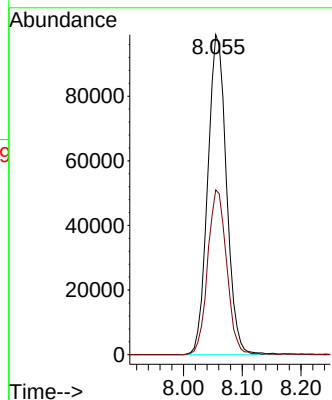
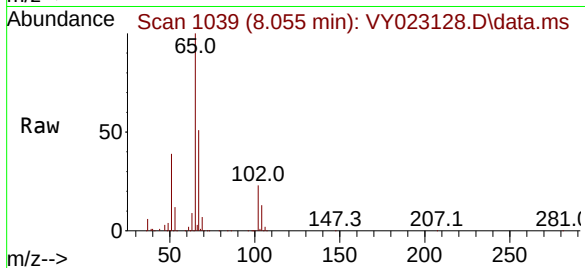
MOO-25-0224-0225

Tgt Ion: 65 Resp: 220117

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023128.D

Acq: 15 Aug 2025 16:21

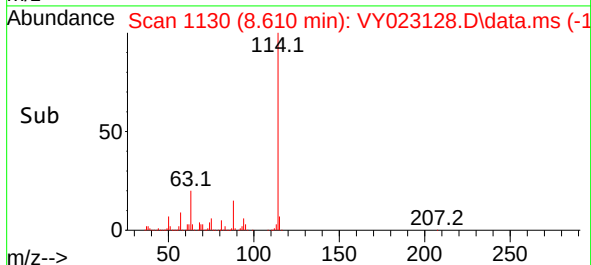
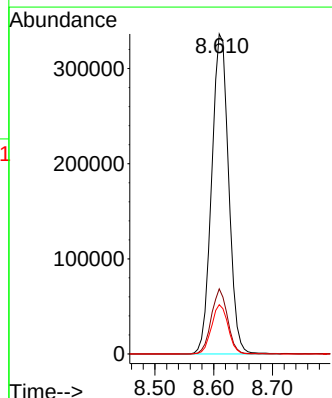
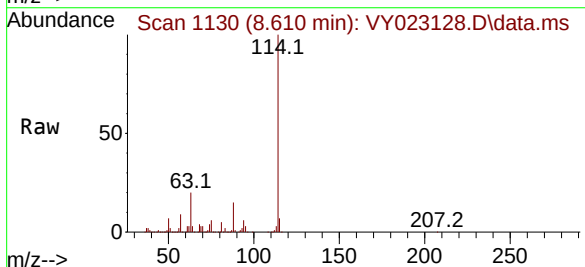
Tgt Ion: 114 Resp: 674159

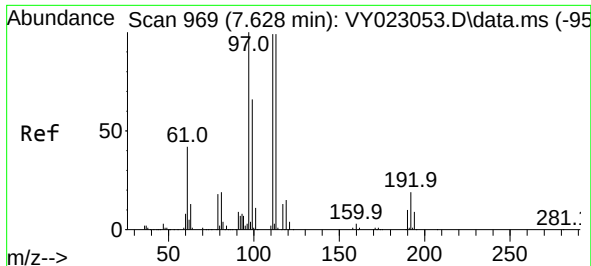
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

88 15.4 0.0 30.0

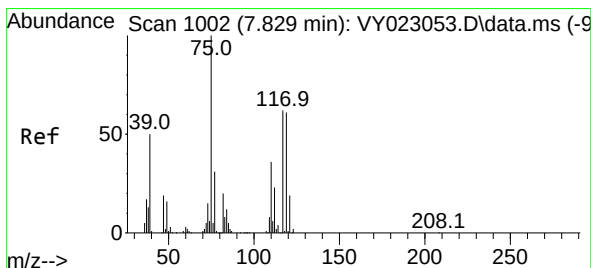
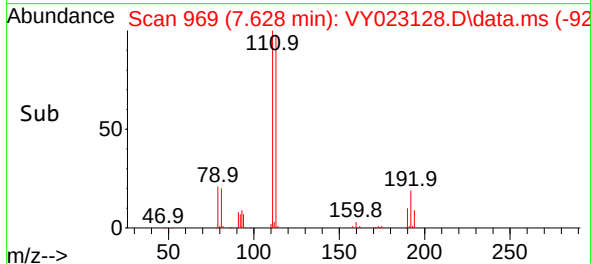
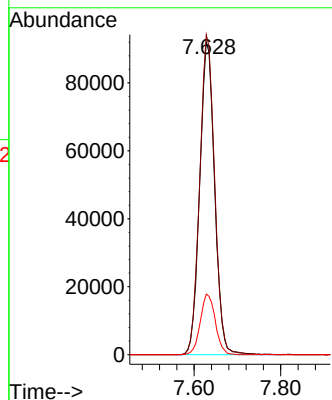
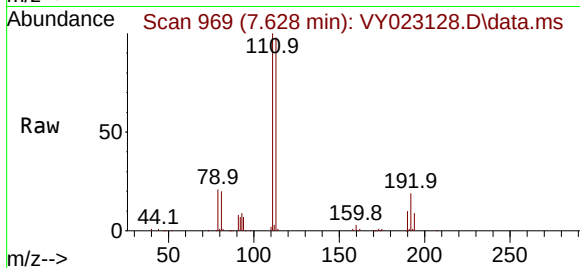




#35
Dibromofluoromethane
Concen: 54.456 ug/l
RT: 7.628 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

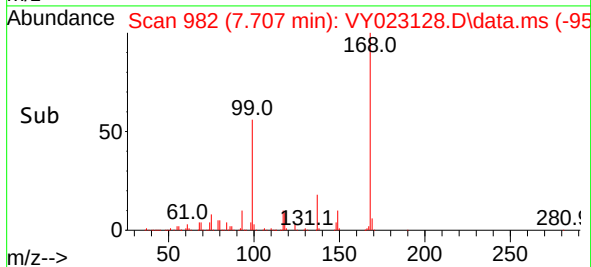
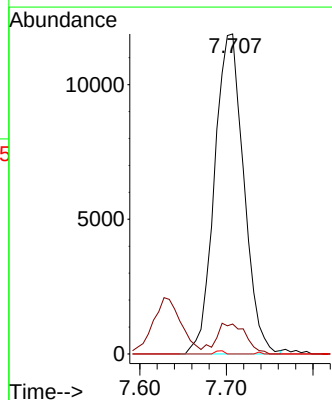
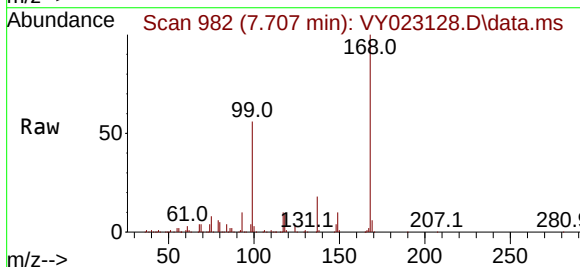
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0224-0225

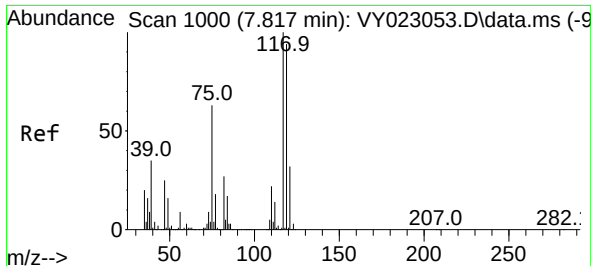
Tgt Ion:113 Resp: 219672
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 19.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.651 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

Tgt Ion: 75 Resp: 27883
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.3 24.6 37.0#

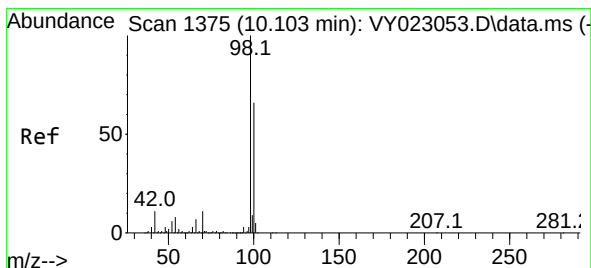
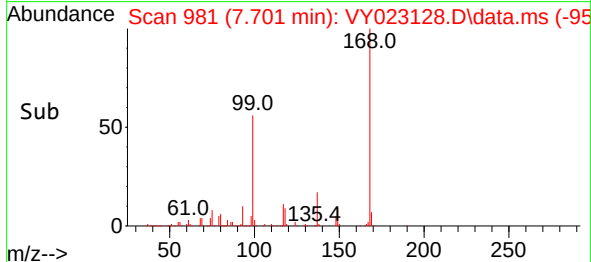
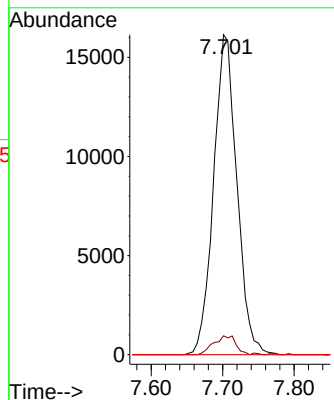
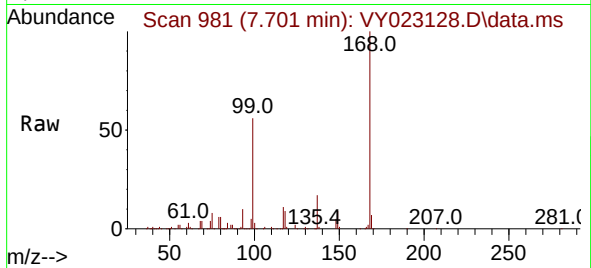




#38
Carbon Tetrachloride
Concen: 5.605 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

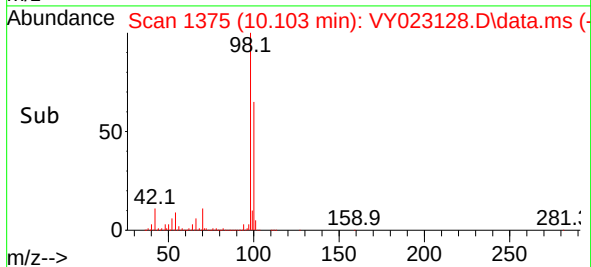
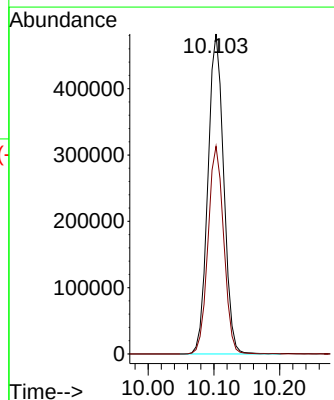
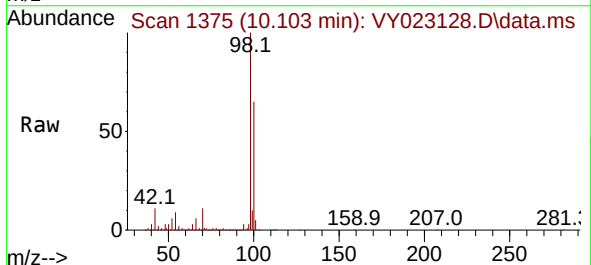
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0224-0225

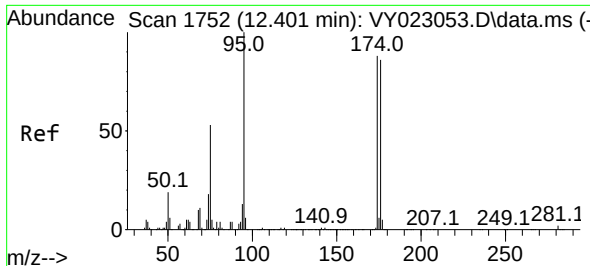
Tgt Ion:117 Resp: 36495
Ion Ratio Lower Upper
117 100
119 5.9 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.146 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

Tgt Ion: 98 Resp: 806003
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 47.673 ug/l

RT: 12.402 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023128.D

Acq: 15 Aug 2025 16:21

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0224-0225

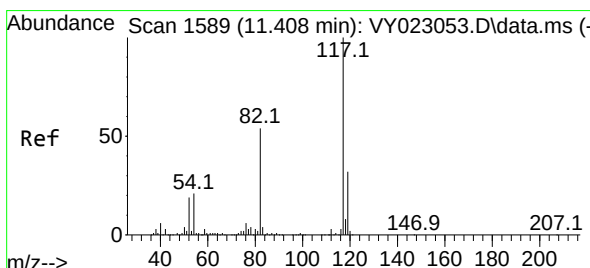
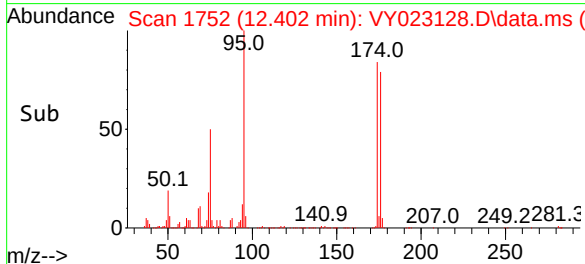
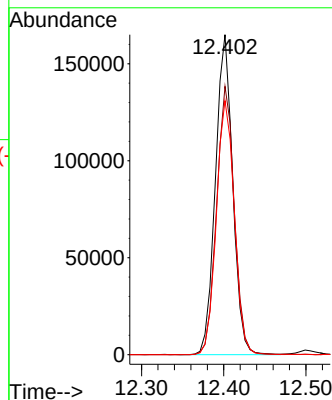
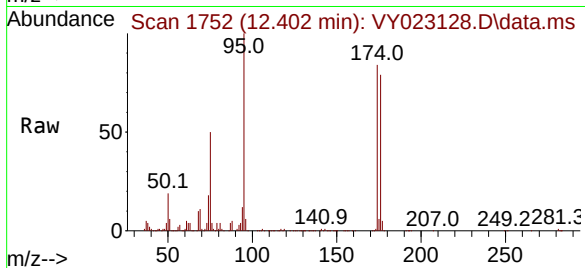
Tgt Ion: 95 Resp: 241611

Ion Ratio Lower Upper

95 100

174 86.0 0.0 171.6

176 82.7 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.006 min

Lab File: VY023128.D

Acq: 15 Aug 2025 16:21

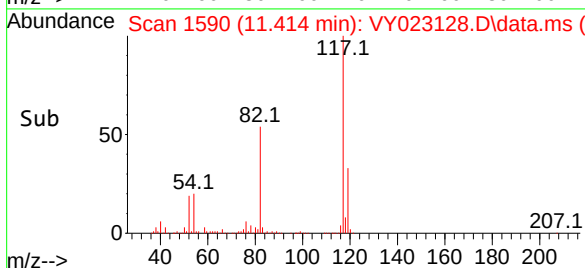
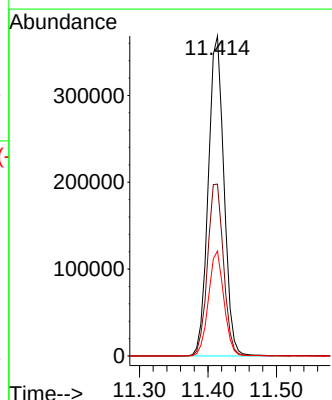
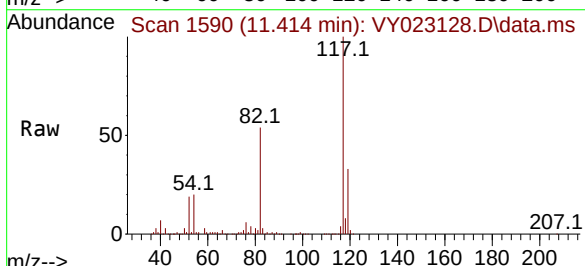
Tgt Ion: 117 Resp: 586571

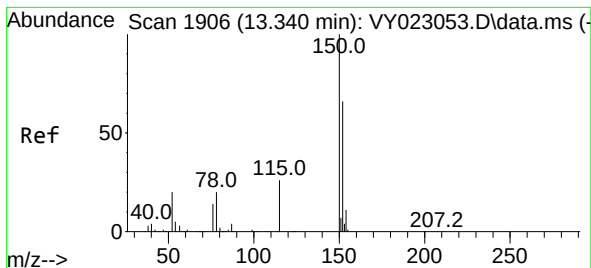
Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 32.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023128.D

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MOO-25-0224-0225

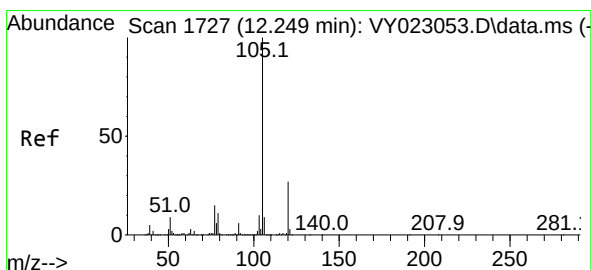
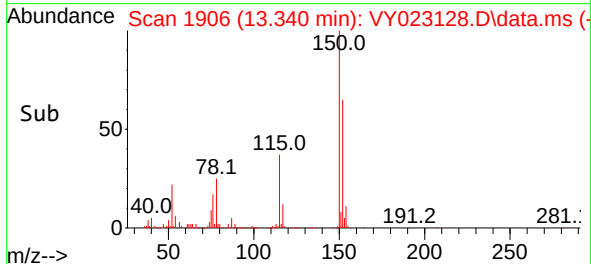
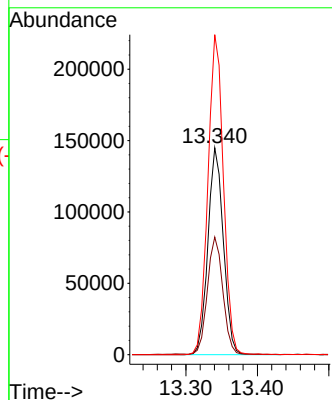
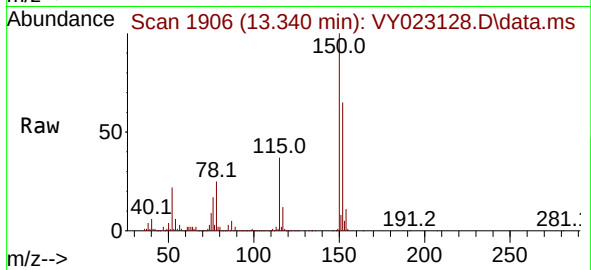
Tgt Ion:152 Resp: 217513

Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.6

150 155.3 0.0 348.0



#73

Isopropylbenzene

Concen: 1.610 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.006 min

Lab File: VY023128.D

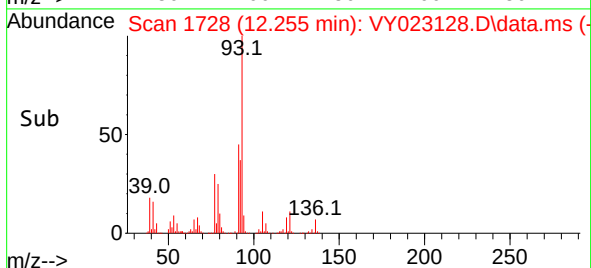
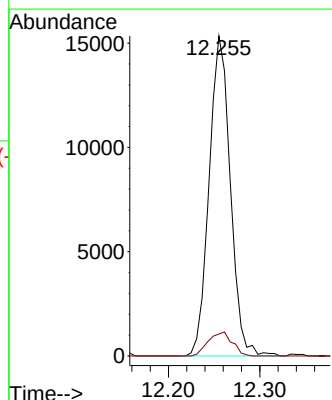
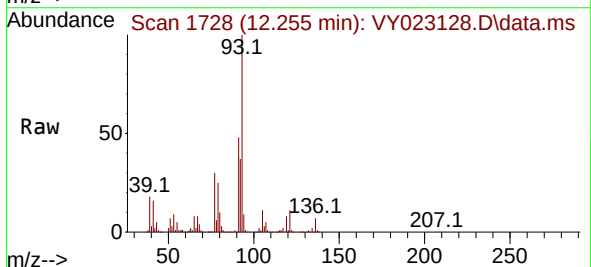
Acq: 15 Aug 2025 16:21

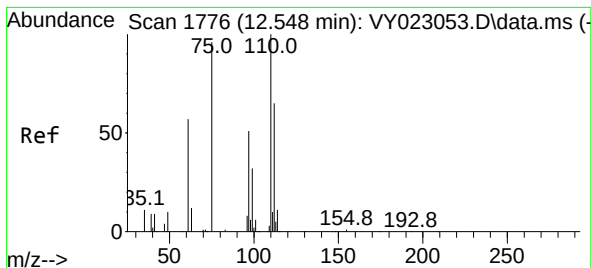
Tgt Ion:105 Resp: 24711

Ion Ratio Lower Upper

105 100

120 8.5 13.4 40.2#





#76

1,2,3-Trichloropropane

Concen: 61.524 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023128.D

Acq: 15 Aug 2025 16:21

Instrument :

MSVOA_Y

ClientSampleId :

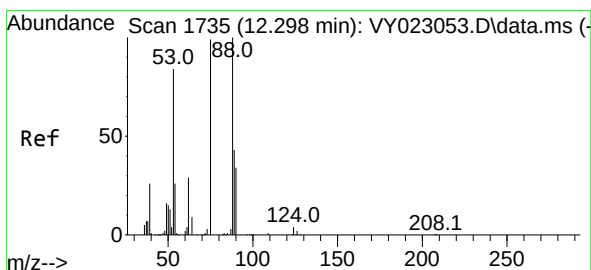
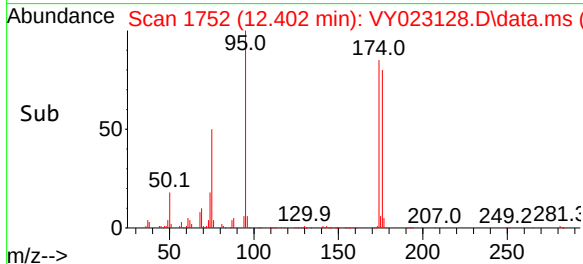
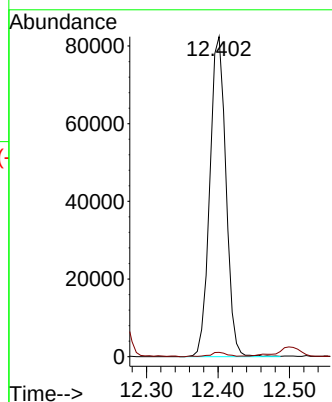
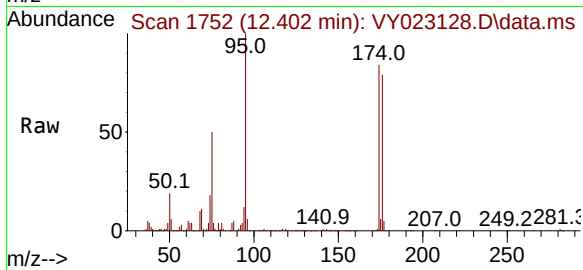
MOO-25-0224-0225

Tgt Ion: 75 Resp: 129154

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 148.931 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023128.D

Acq: 15 Aug 2025 16:21

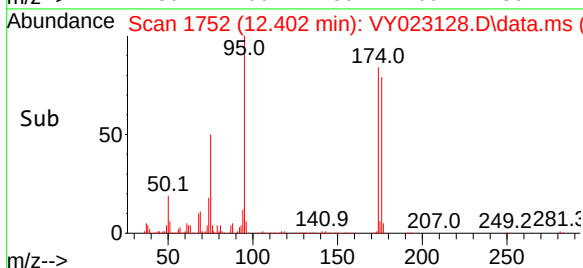
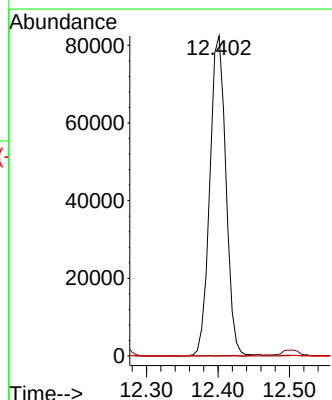
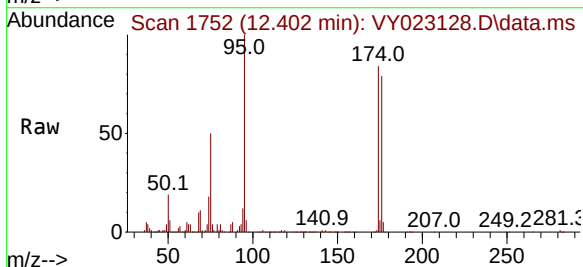
Tgt Ion: 75 Resp: 129154

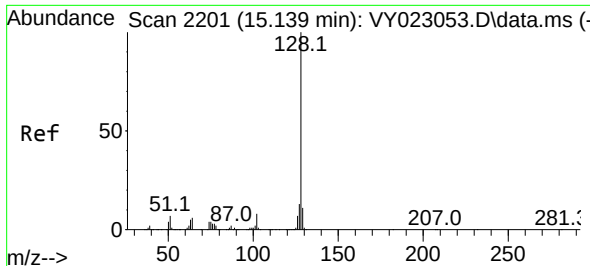
Ion Ratio Lower Upper

75 100

53 0.0 70.8 106.2#

89 0.0 38.1 57.1#

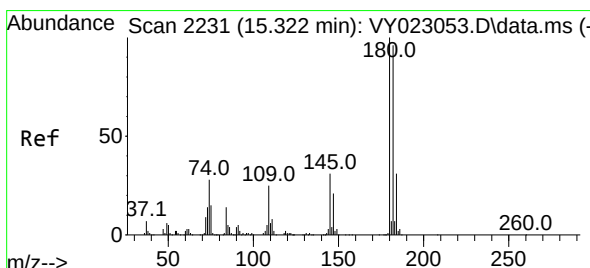
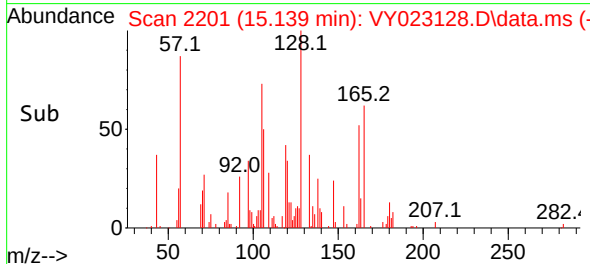
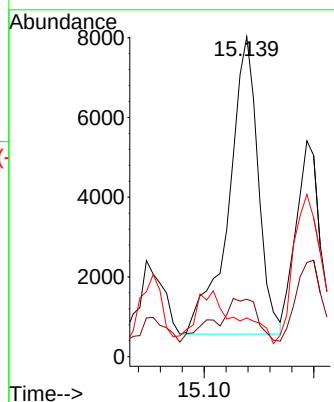
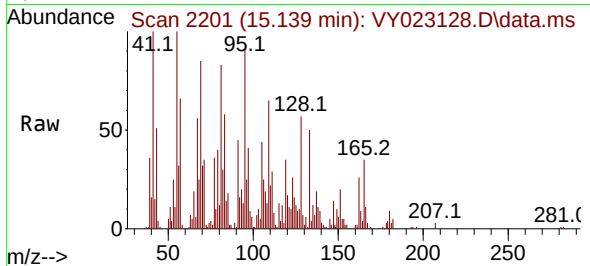




#95
Naphthalene
Concen: 2.169 ug/l
RT: 15.139 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0224-0225

Tgt Ion:128 Resp: 13851
Ion Ratio Lower Upper
128 100
127 21.1 10.4 15.6#
129 0.0 9.0 13.4#



#96
1,2,3-Trichlorobenzene
Concen: 1.545 ug/l
RT: 15.346 min Scan# 2235
Delta R.T. 0.024 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

Tgt Ion:180 Resp: 4986
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.7#
145 0.0 15.9 47.7#

