

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022552.D
 Acq On : 04 Jun 2025 15:47
 Operator : SY/MD
 Sample : Q2198-01
 Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-202-SB02

Quant Time: Jun 05 04:17:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

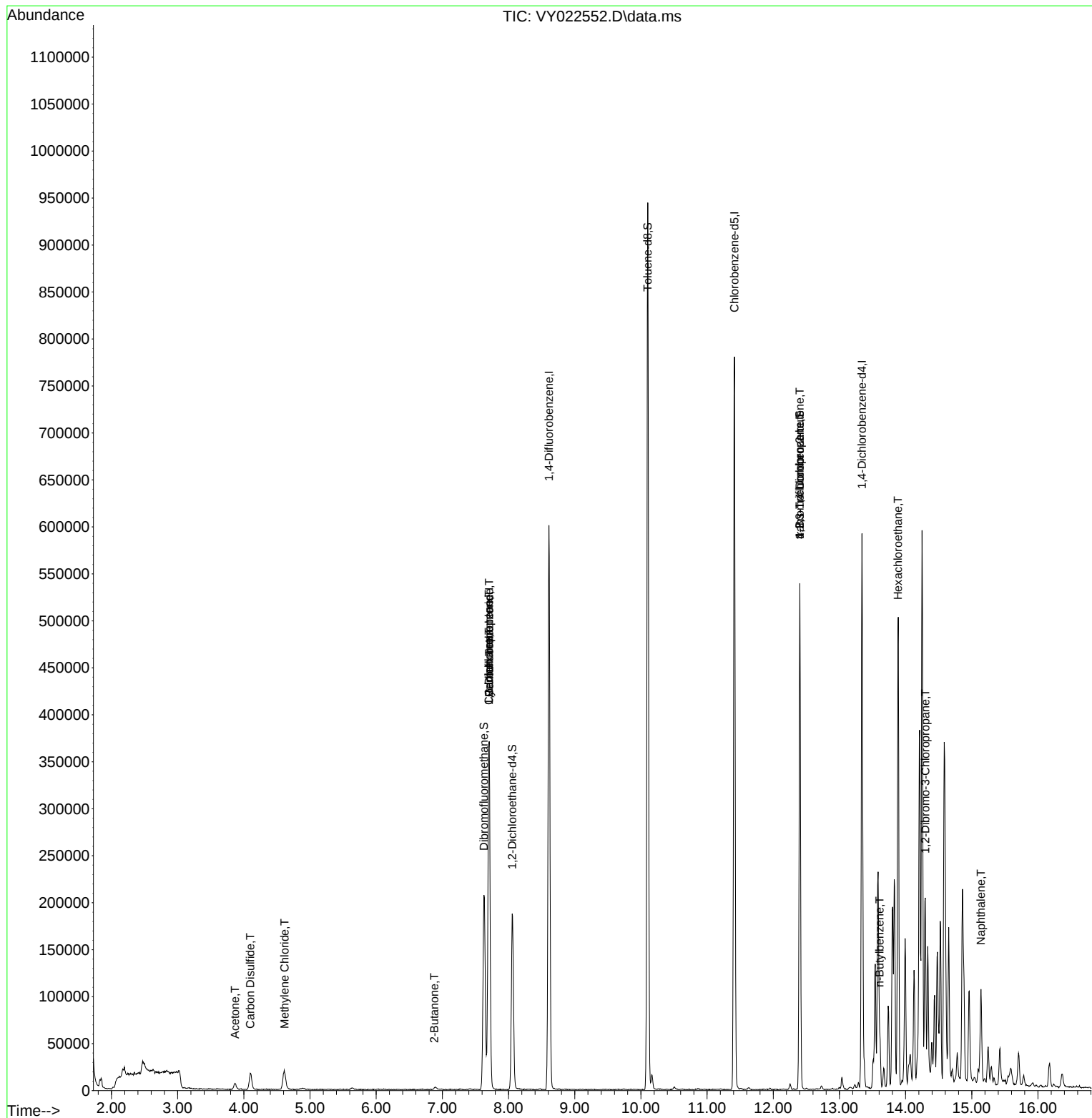
Internal Standards						
1) Pentafluorobenzene	7.707	168	276393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	491823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	374782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	132509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	138625	44.844	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.680%
35) Dibromofluoromethane	7.628	113	142837	48.657	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.320%
50) Toluene-d8	10.103	98	583018	49.151	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.300%
62) 4-Bromofluorobenzene	12.402	95	141487	40.034	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.060%
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	10330	16.454	ug/l	95
17) Carbon Disulfide	4.098	76	33091	3.566	ug/l	97
20) Methylene Chloride	4.616	84	14348	4.023	ug/l	92
25) 2-Butanone	6.878	43	2338	2.582	ug/l #	77
31) Cyclohexane	7.701	56	8039	1.353	ug/l #	50
36) 1,1-Dichloropropene	7.701	75	24677	5.179	ug/l #	49
38) Carbon Tetrachloride	7.707	117	28361	5.803	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	83172	54.865	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	83172	132.495	ug/l #	10
89) n-Butylbenzene	13.609	91	23297	2.537	ug/l #	70
90) Hexachloroethane	13.883	117	21890	11.619	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.298	75	938	3.608	ug/l #	2
95) Naphthalene	15.139	128	72437	17.525	ug/l	100

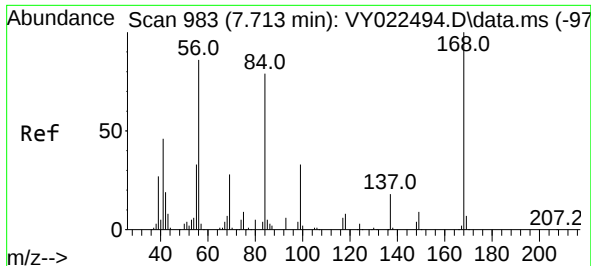
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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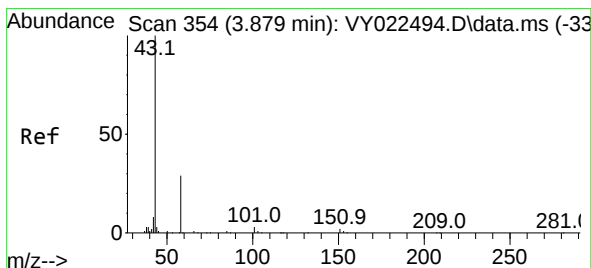
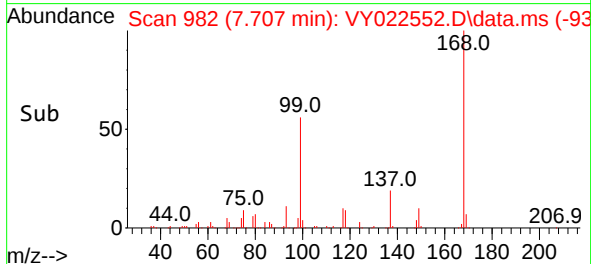
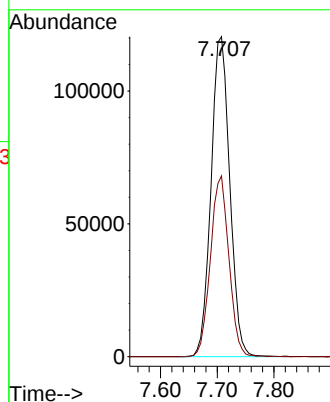
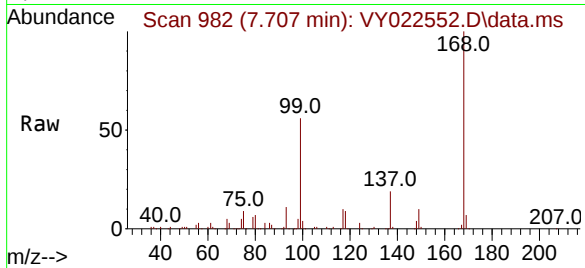




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

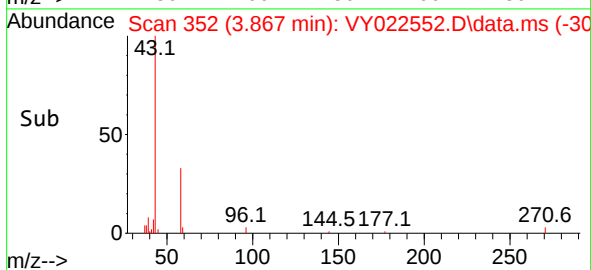
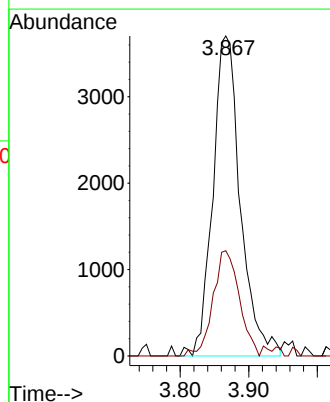
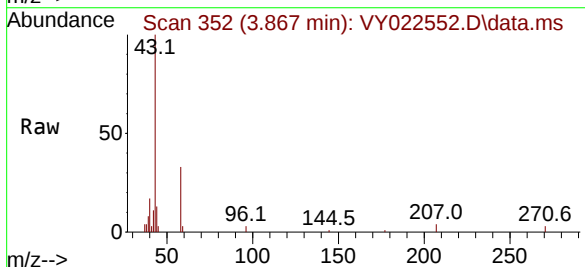
Instrument :
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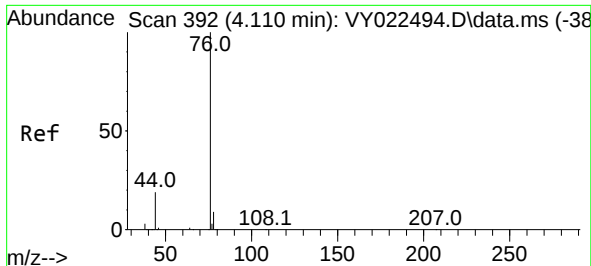
Tgt Ion:168 Resp: 276393
Ion Ratio Lower Upper
168 100
99 56.5 44.3 66.5



#16
Acetone
Concen: 16.454 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion: 43 Resp: 10330
Ion Ratio Lower Upper
43 100
58 32.9 24.0 36.0

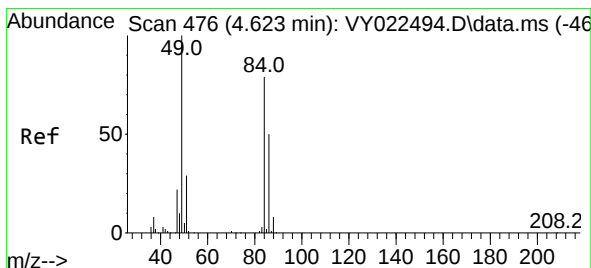
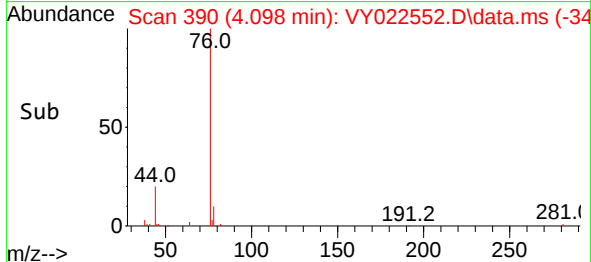
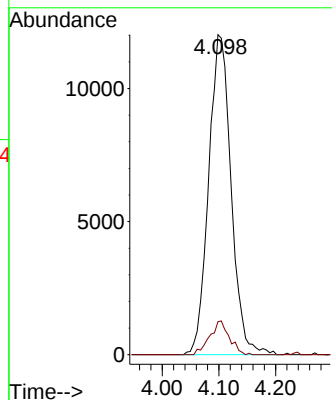
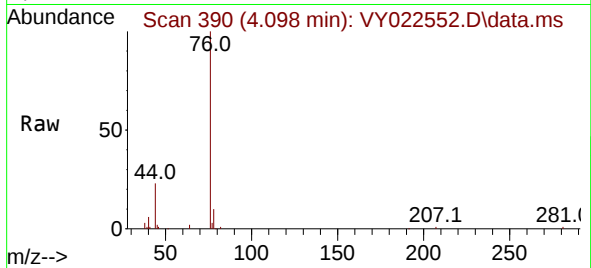




#17
Carbon Disulfide
Concen: 3.566 ug/l
RT: 4.098 min Scan# 391
Delta R.T. -0.012 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

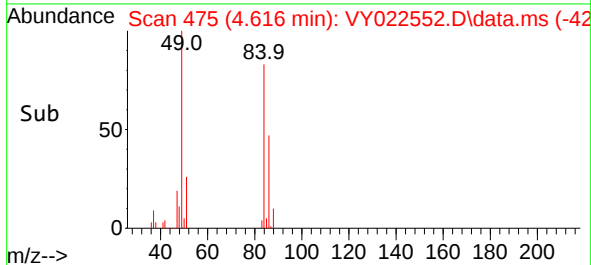
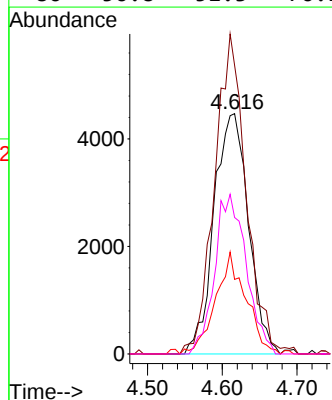
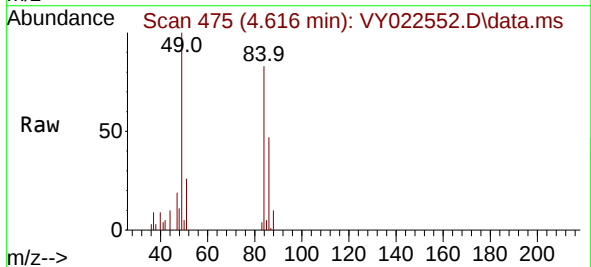
Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

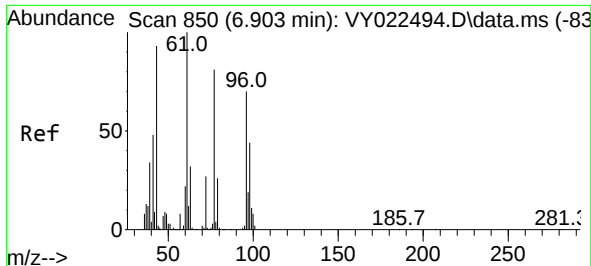
Tgt Ion: 76 Resp: 33091
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.2



#20
Methylene Chloride
Concen: 4.023 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion: 84 Resp: 14348
Ion Ratio Lower Upper
84 100
49 120.2 101.9 152.9
51 31.0 29.8 44.8
86 56.8 51.3 76.9

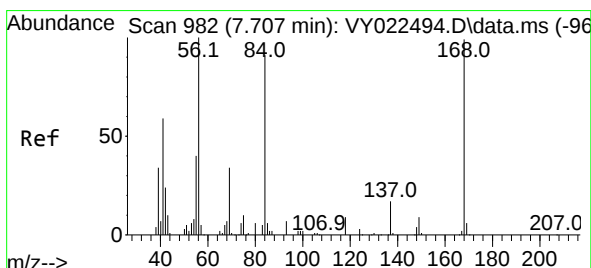
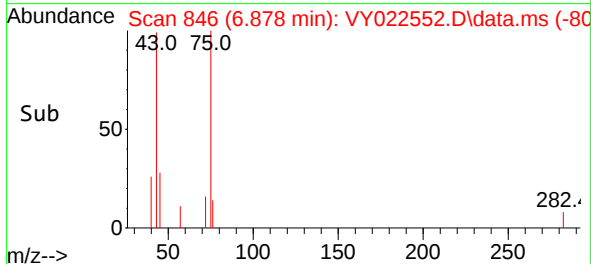
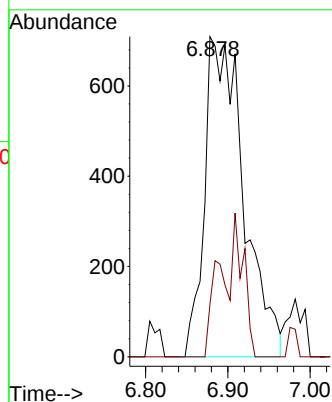
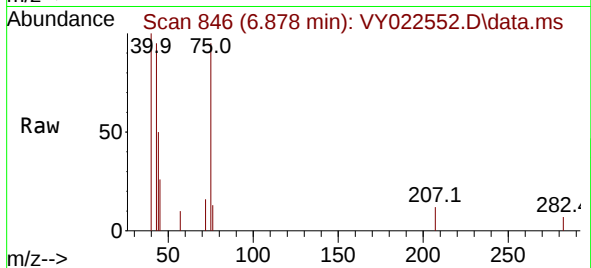




#25
2-Butanone
Concen: 2.582 ug/l
RT: 6.878 min Scan# 84
Delta R.T. -0.024 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

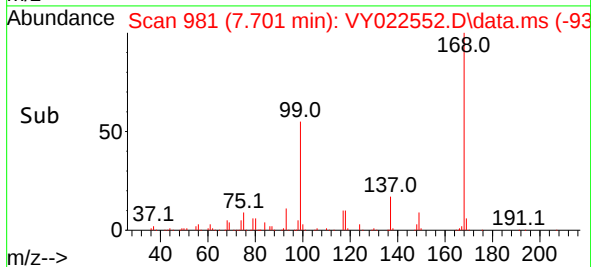
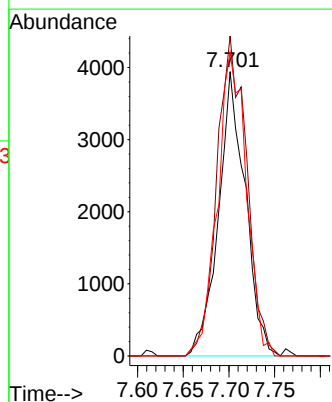
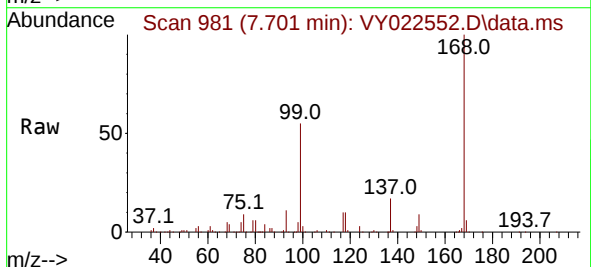
Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

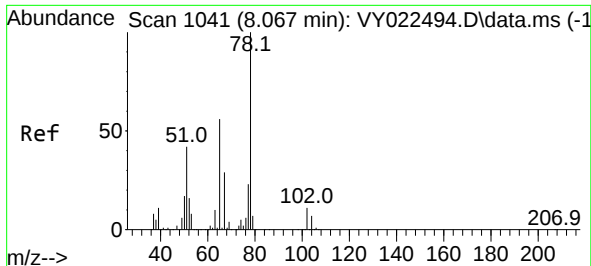
Tgt Ion: 43 Resp: 2338
Ion Ratio Lower Upper
43 100
72 16.5 22.9 34.3#



#31
Cyclohexane
Concen: 1.353 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion: 56 Resp: 8039
Ion Ratio Lower Upper
56 100
69 112.5 27.0 40.6#
84 106.8 72.6 109.0





#33

1,2-Dichloroethane-d4

Concen: 44.844 ug/l

RT: 8.055 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022552.D

Acq: 04 Jun 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

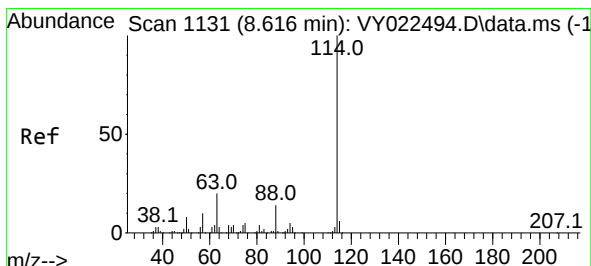
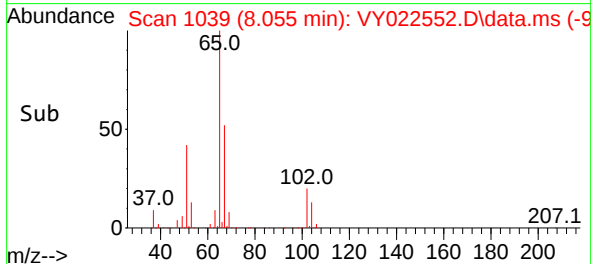
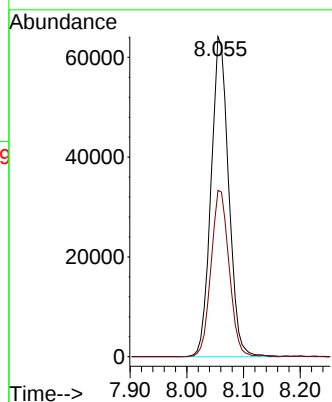
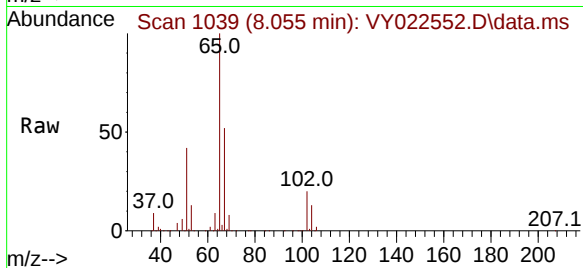
B-202-SB02

Tgt Ion: 65 Resp: 138625

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022552.D

Acq: 04 Jun 2025 15:47

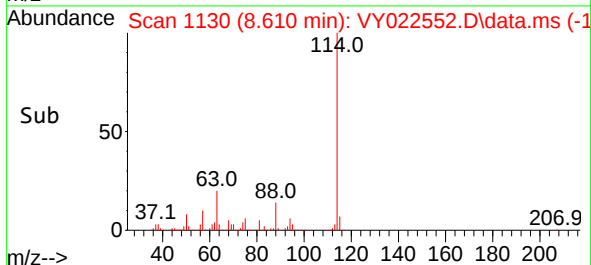
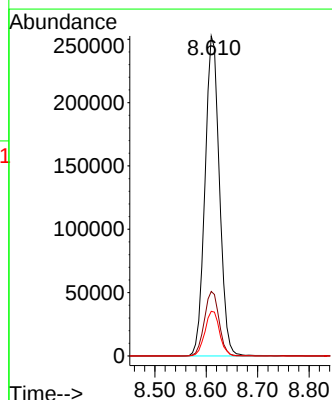
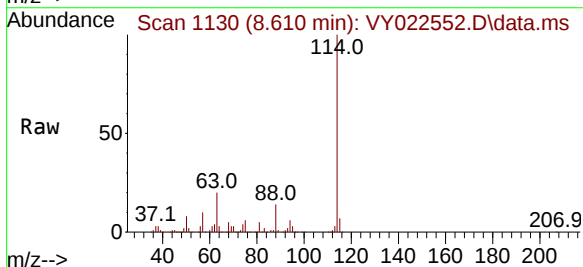
Tgt Ion: 114 Resp: 491823

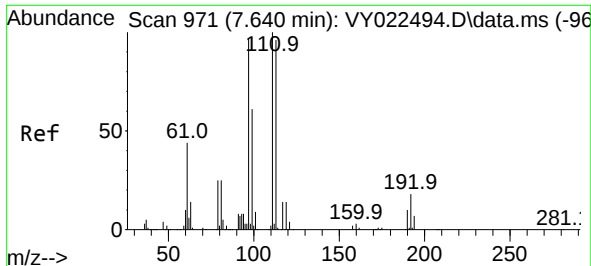
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.0 0.0 27.8

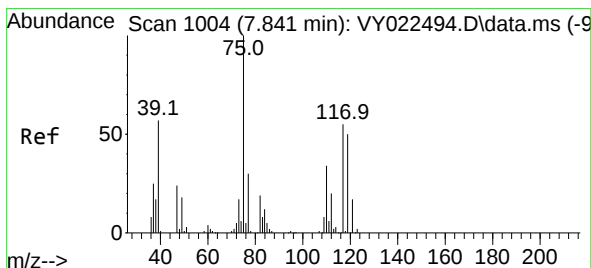
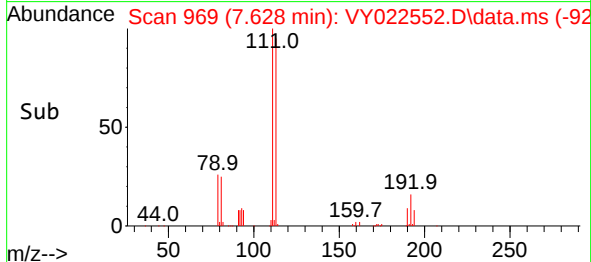
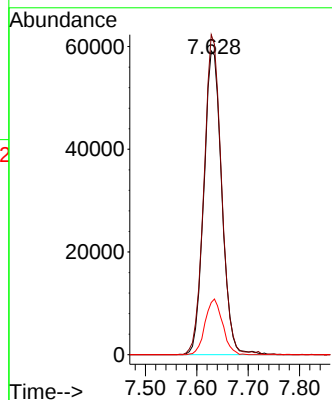
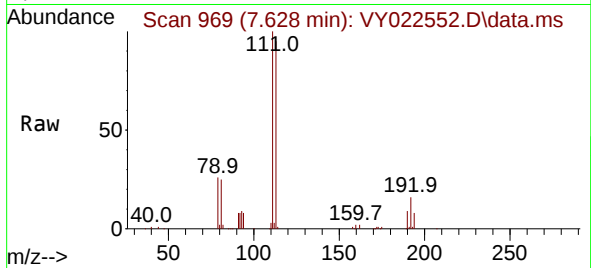




#35
Dibromofluoromethane
Concen: 48.657 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

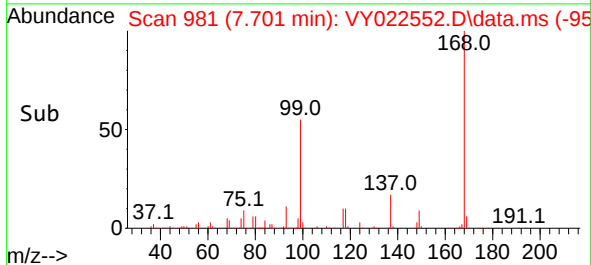
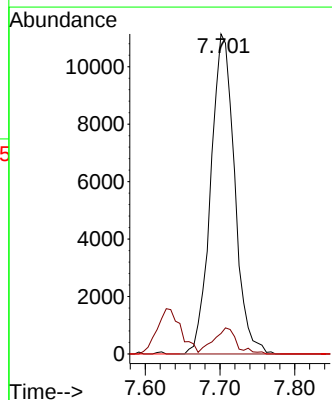
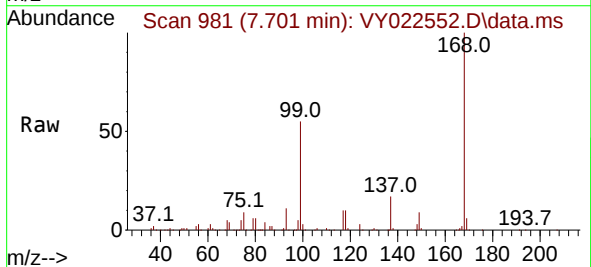
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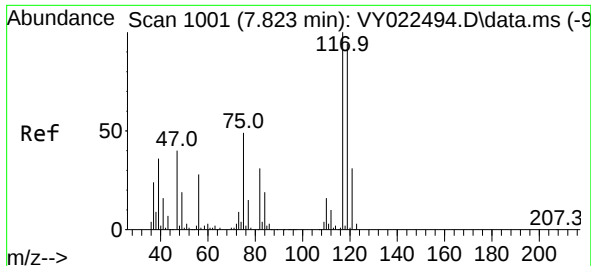
Tgt Ion:113 Resp: 142837
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 17.9 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.179 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion: 75 Resp: 24677
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.7#
77 0.0 24.8 37.2#

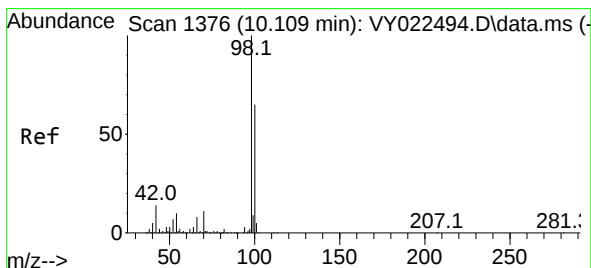
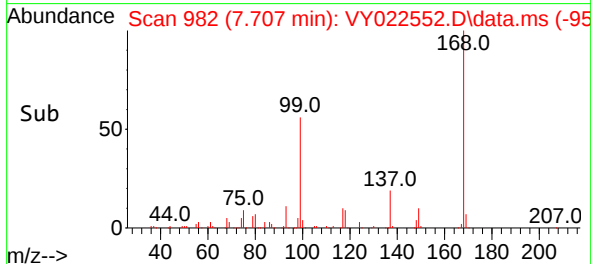
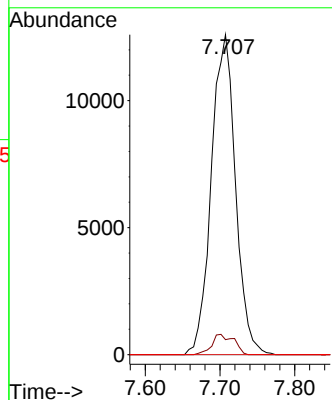
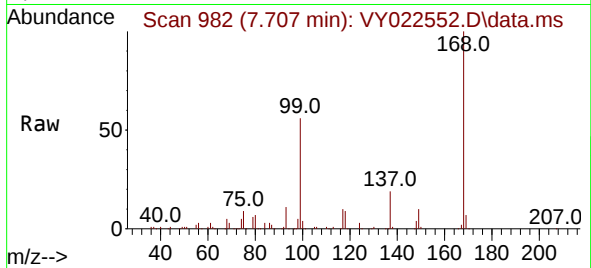




#38
Carbon Tetrachloride
Concen: 5.803 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

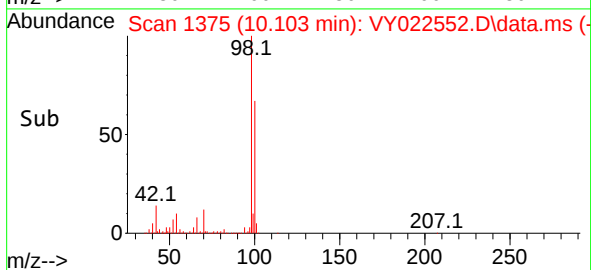
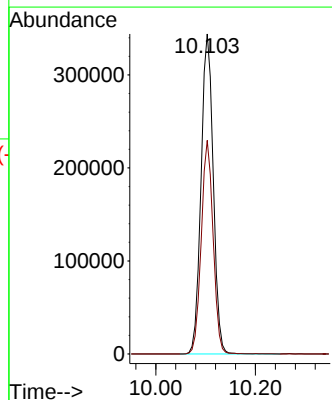
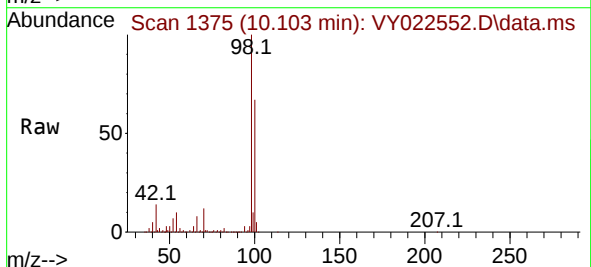
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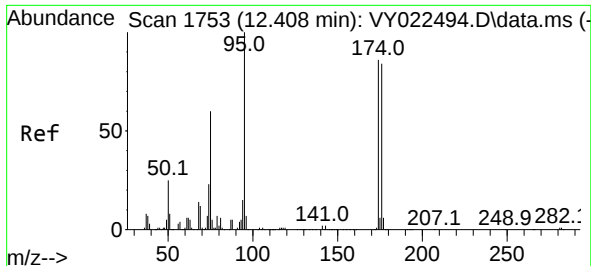
Tgt Ion:117 Resp: 28361
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.151 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion: 98 Resp: 583018
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0

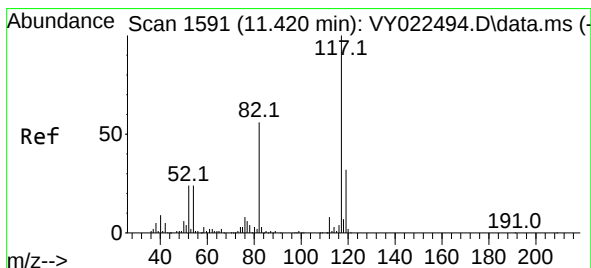
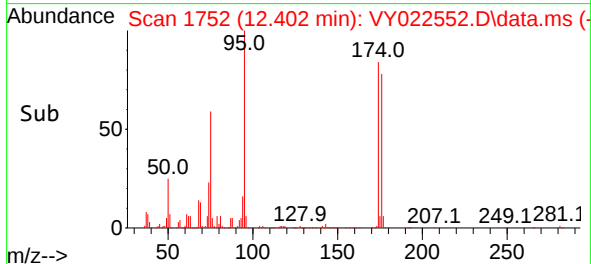
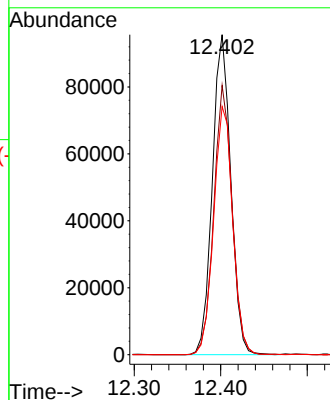
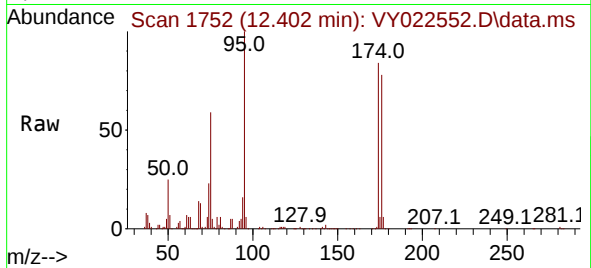




#62
4-Bromofluorobenzene
Concen: 40.034 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

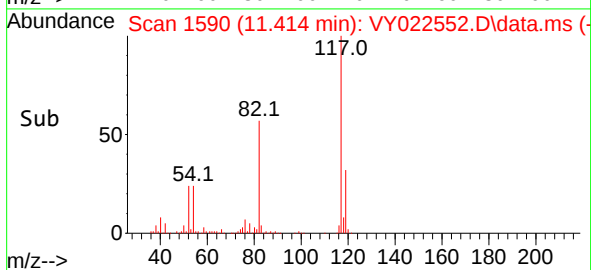
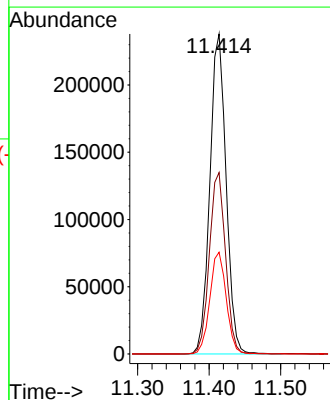
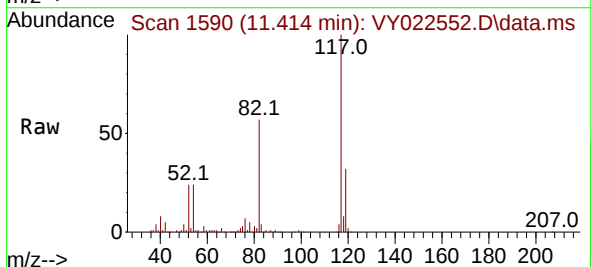
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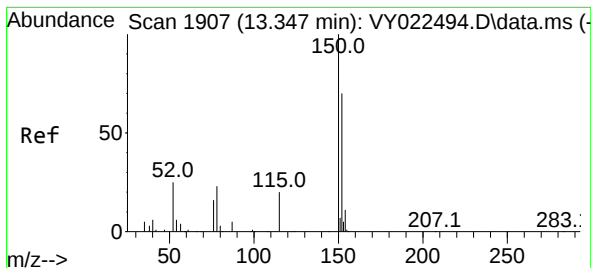
Tgt Ion: 95 Resp: 141487
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.0
176 80.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion: 117 Resp: 374782
Ion Ratio Lower Upper
117 100
82 56.7 44.6 66.8
119 31.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY022552.D

Acq: 04 Jun 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

B-202-SB02

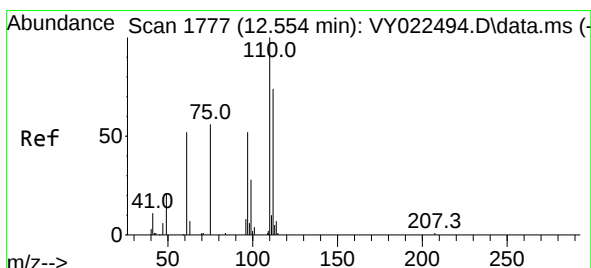
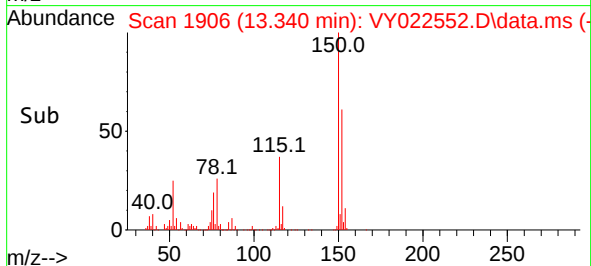
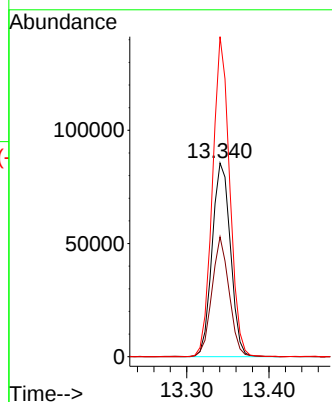
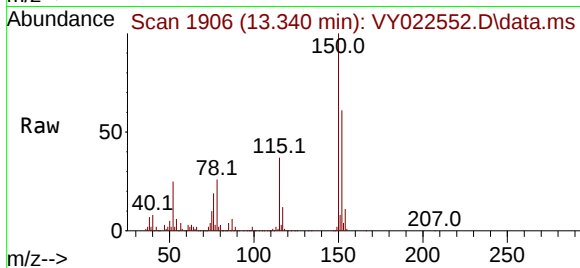
Tgt Ion:152 Resp: 132509

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 154.8 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 54.865 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022552.D

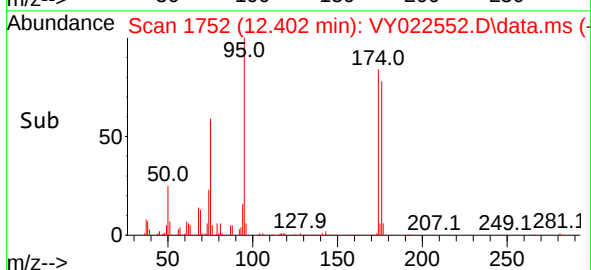
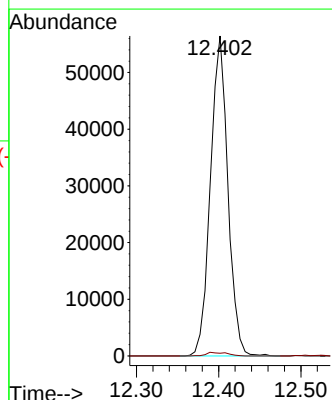
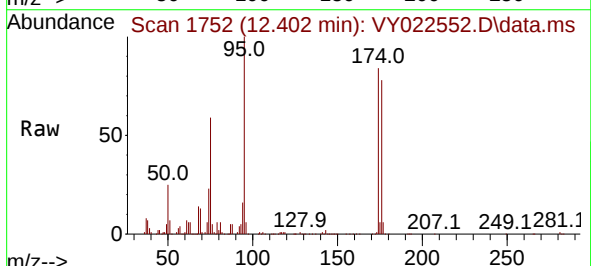
Acq: 04 Jun 2025 15:47

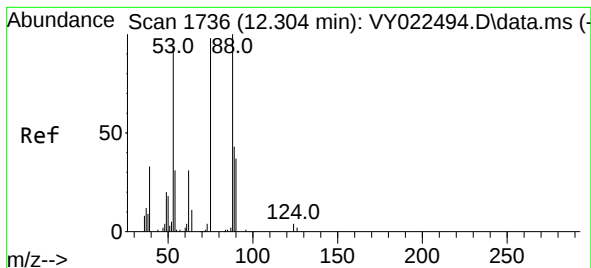
Tgt Ion: 75 Resp: 83172

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

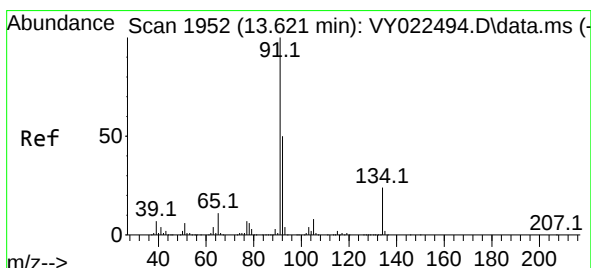
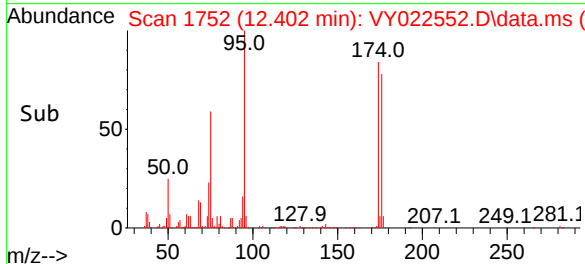
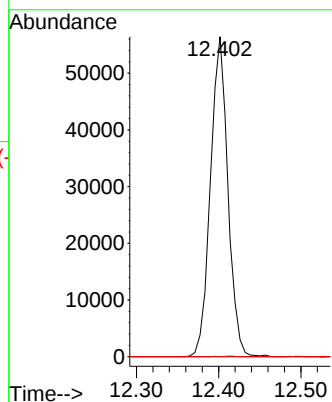
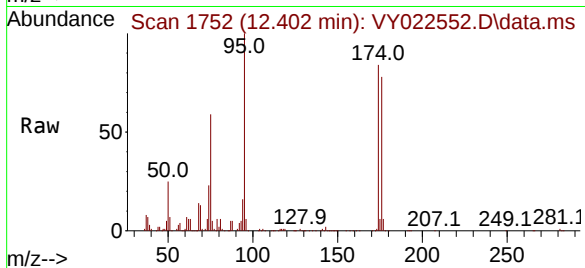




#81
trans-1,4-Dichloro-2-butene
Concen: 132.495 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

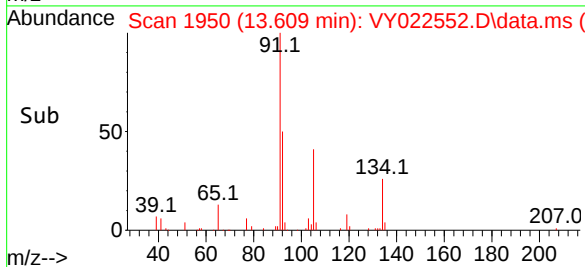
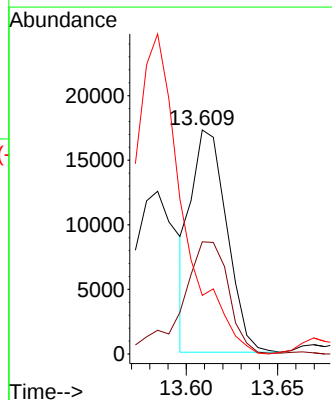
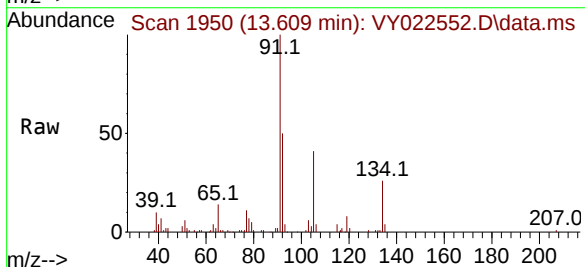
Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

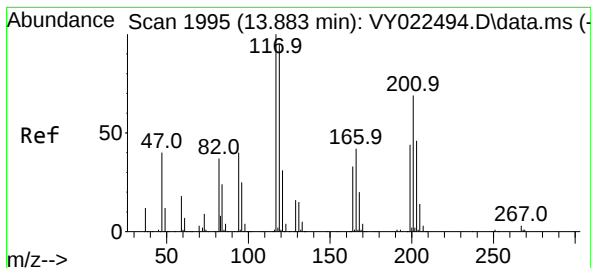
Tgt Ion: 75 Resp: 83172
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.1 35.7 53.5#



#89
n-Butylbenzene
Concen: 2.537 ug/l
RT: 13.609 min Scan# 1950
Delta R.T. -0.012 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion: 91 Resp: 23297
Ion Ratio Lower Upper
91 100
92 66.5 25.9 77.8
134 0.0 12.0 36.1#





#90

Hexachloroethane

Concen: 11.619 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. -0.000 min

Lab File: VY022552.D

Acq: 04 Jun 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

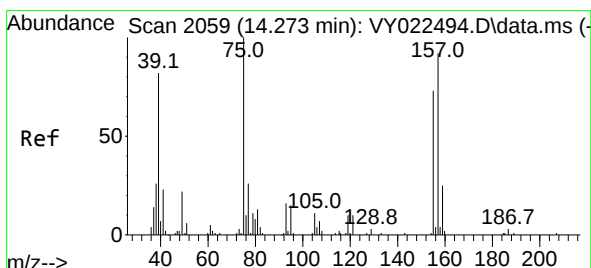
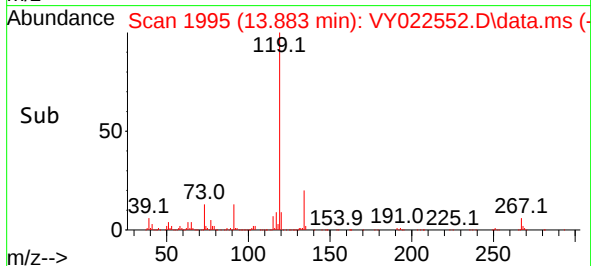
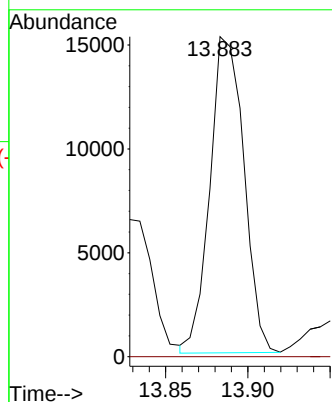
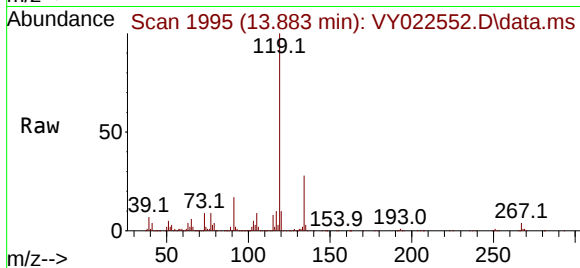
B-202-SB02

Tgt Ion:117 Resp: 21890

Ion Ratio Lower Upper

117 100

201 0.0 34.0 102.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.608 ug/l

RT: 14.298 min Scan# 2063

Delta R.T. 0.024 min

Lab File: VY022552.D

Acq: 04 Jun 2025 15:47

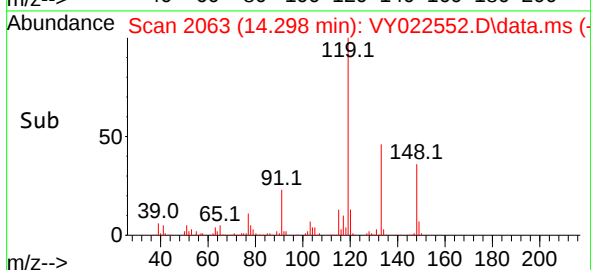
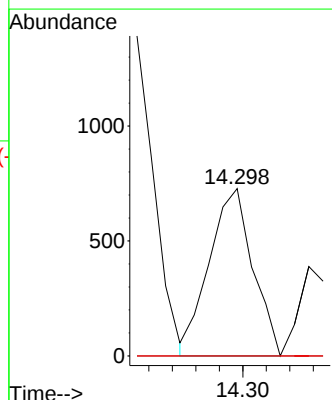
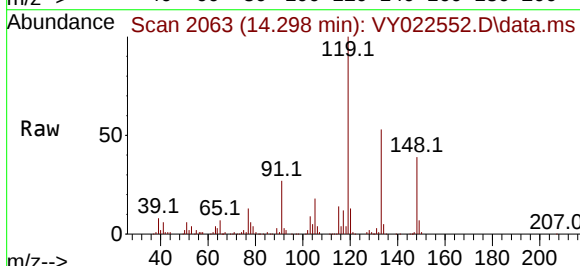
Tgt Ion: 75 Resp: 938

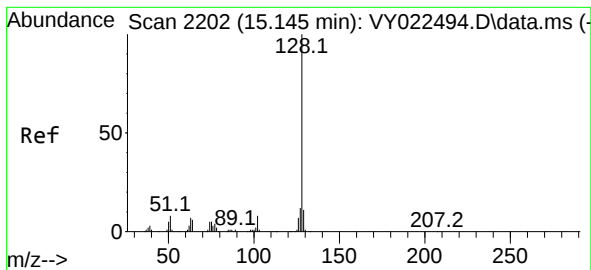
Ion Ratio Lower Upper

75 100

155 0.0 39.9 119.6#

157 0.0 54.0 162.0#





#95

Naphthalene

Concen: 17.525 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY022552.D

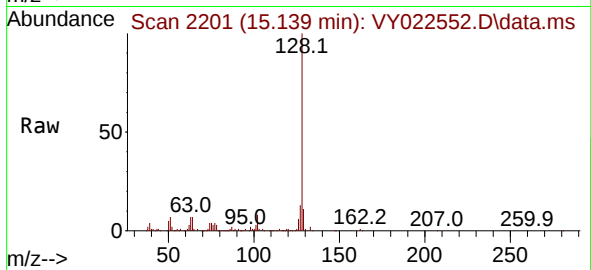
Acq: 04 Jun 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

B-202-SB02



Tgt Ion:128 Resp: 72437

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.1 8.9 13.3

