

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022087.D
 Acq On : 30 Apr 2025 17:05
 Operator : SY/MD
 Sample : Q1901-02
 Misc : 7.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-167-SB01

Quant Time: May 01 01:38:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

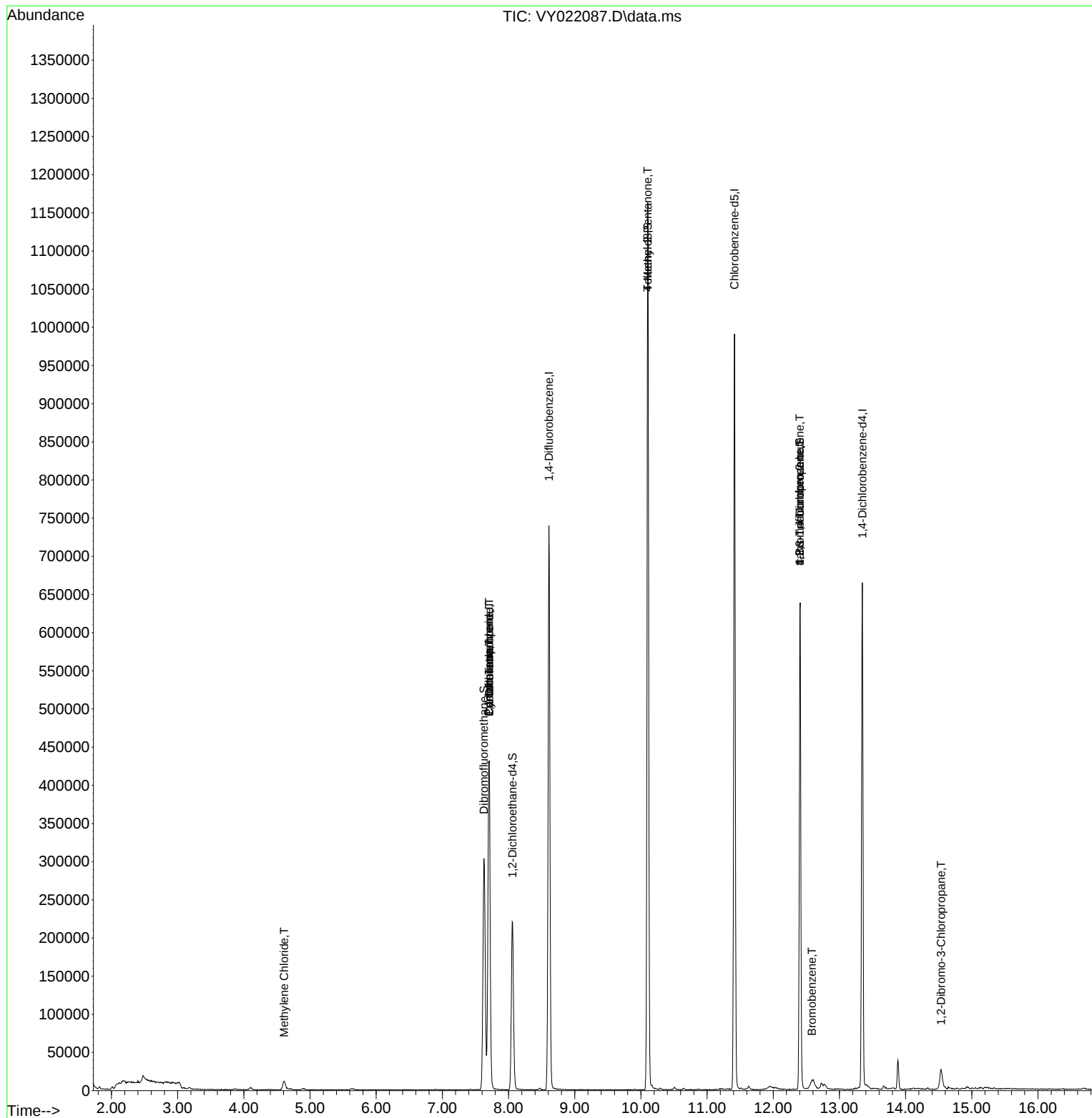
Internal Standards						
1) Pentafluorobenzene	7.707	168	348376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	652384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	556238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	176600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171544	53.310	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 106.620%		
35) Dibromofluoromethane	7.628	113	220356	51.127	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 102.260%		
50) Toluene-d8	10.103	98	774744	47.680	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 95.360%		
62) 4-Bromofluorobenzene	12.402	95	197352	36.079	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery	= 72.160%		
Target Compounds						Qvalue
16) Acetone	3.873	43	1637	Below Cal		92
20) Methylene Chloride	4.610	84	9274	2.279 ug/l	#	91
31) Cyclohexane	7.707	56	6381	1.200 ug/l	#	1
36) 1,1-Dichloropropene	7.707	75	24841	4.291 ug/l	#	47
38) Carbon Tetrachloride	7.707	117	33563	4.852 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.103	43	2742	1.310 ug/l	#	1
76) 1,2,3-Trichloropropane	12.402	75	93157	61.585 ug/l	#	100
77) Bromobenzene	12.584	156	13893	4.660 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.402	75	93157	148.305 ug/l	#	16
92) 1,2-Dibromo-3-Chloropr...	14.535	75	1266	4.000 ug/l	#	30

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

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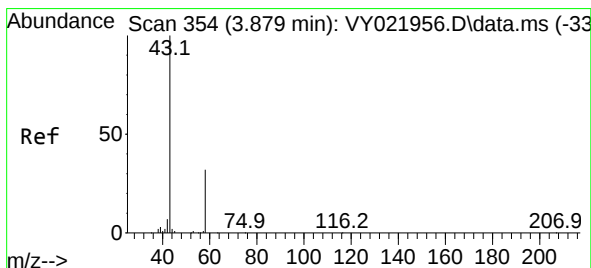
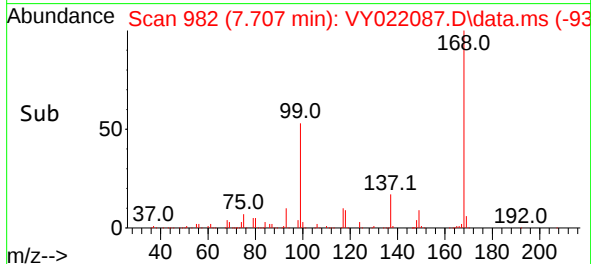
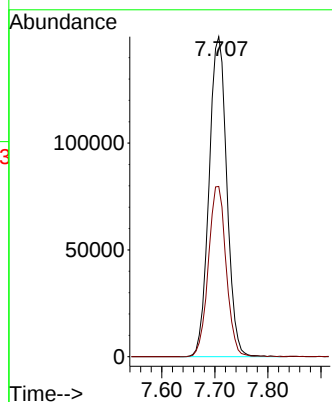
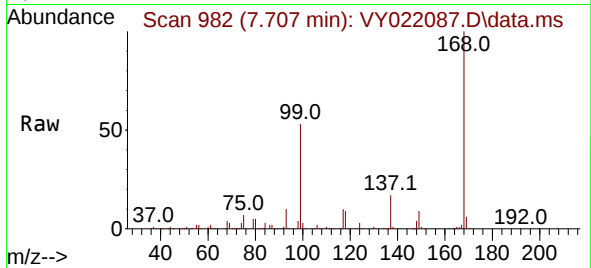




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

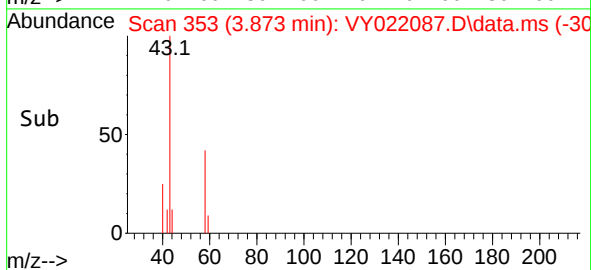
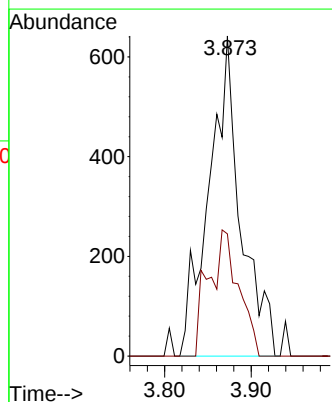
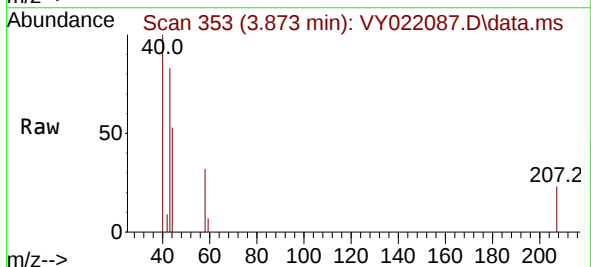
Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB01

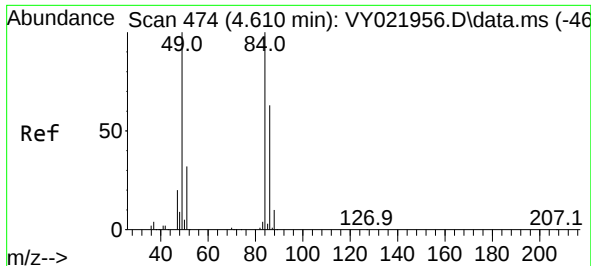
Tgt Ion:168 Resp: 348376
Ion Ratio Lower Upper
168 100
99 53.2 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

Tgt Ion: 43 Resp: 1637
Ion Ratio Lower Upper
43 100
58 38.2 27.0 40.4

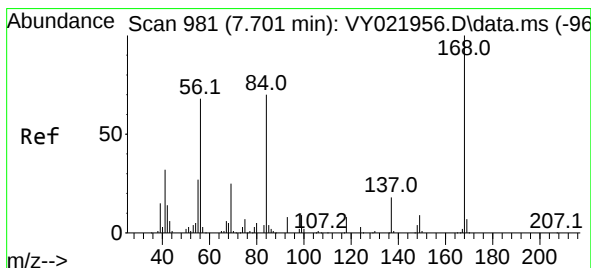
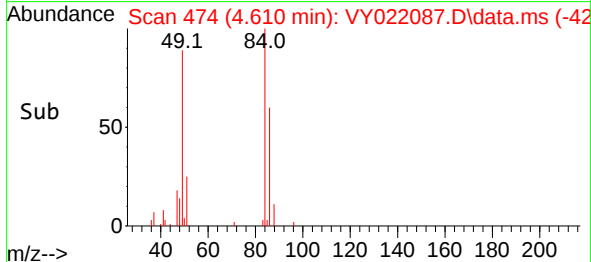
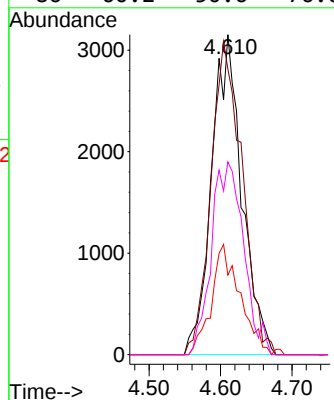
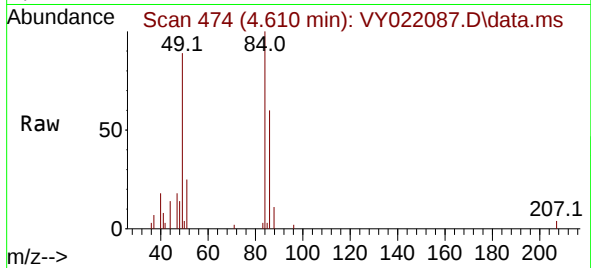




#20
Methylene Chloride
Concen: 2.279 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

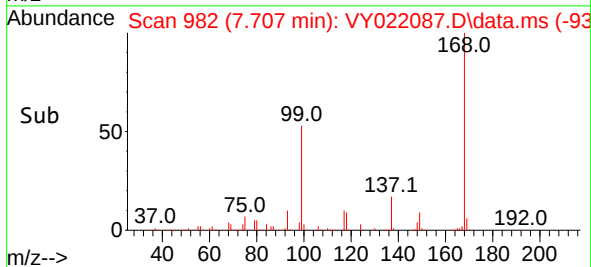
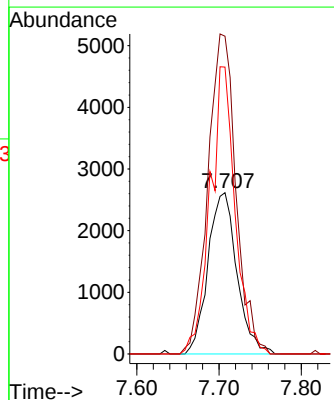
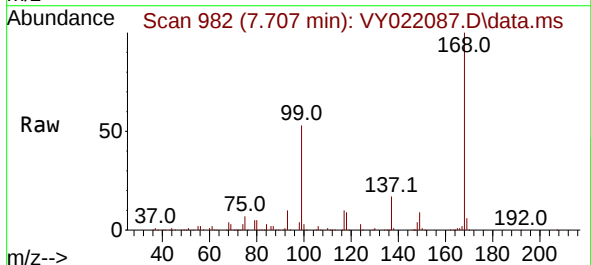
Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB01

Tgt Ion:	84	Resp:	9274
Ion	Ratio	Lower	Upper
84	100		
49	89.2	79.9	119.9
51	24.9	25.4	38.0#
86	60.2	50.6	76.0



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

Tgt Ion:	56	Resp:	6381
Ion	Ratio	Lower	Upper
56	100		
69	197.1	29.4	44.2#
84	177.9	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 53.310 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022087.D

Acq: 30 Apr 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

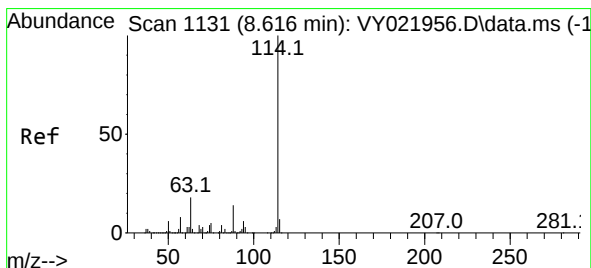
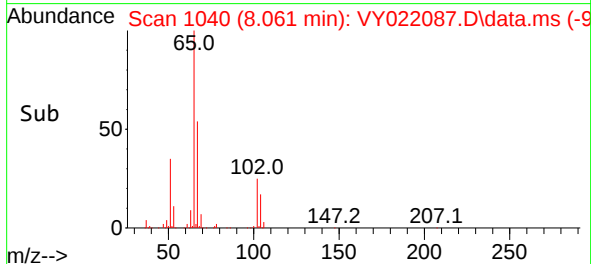
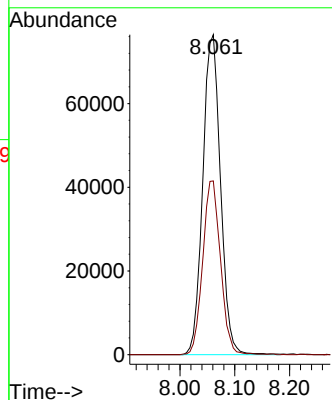
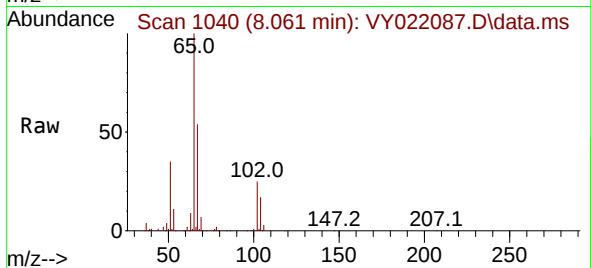
B-167-SB01

Tgt Ion: 65 Resp: 171544

Ion Ratio Lower Upper

65 100

67 54.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022087.D

Acq: 30 Apr 2025 17:05

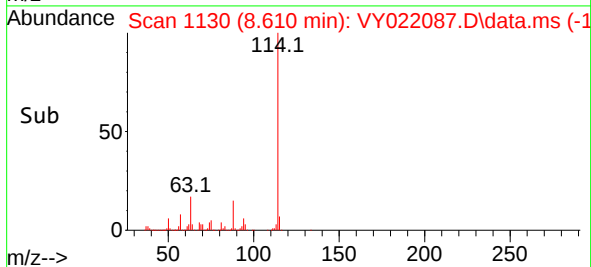
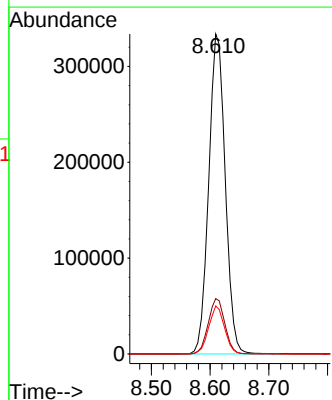
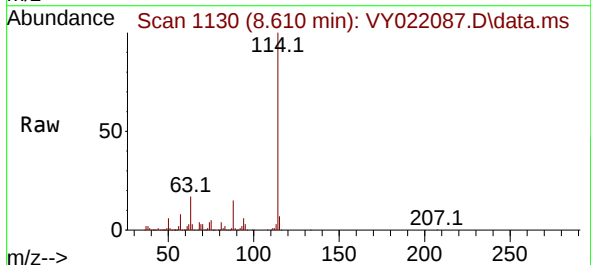
Tgt Ion: 114 Resp: 652384

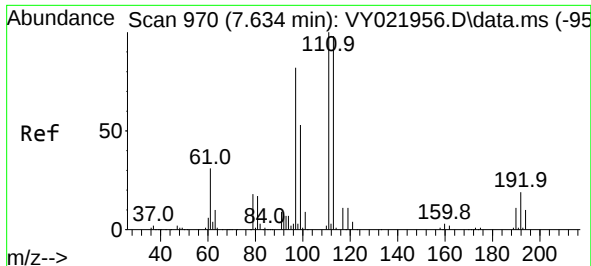
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

88 15.0 0.0 28.2

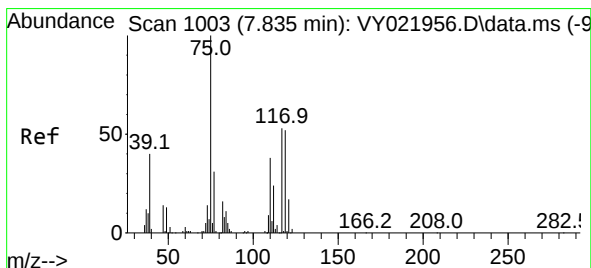
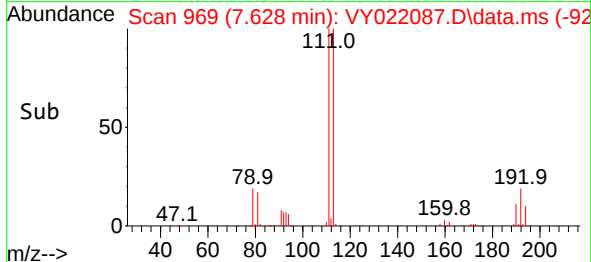
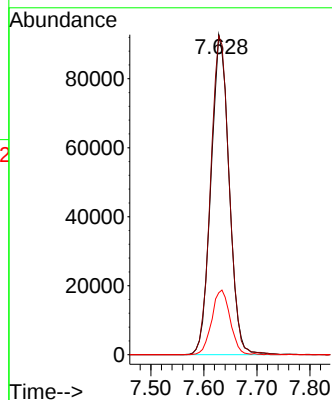
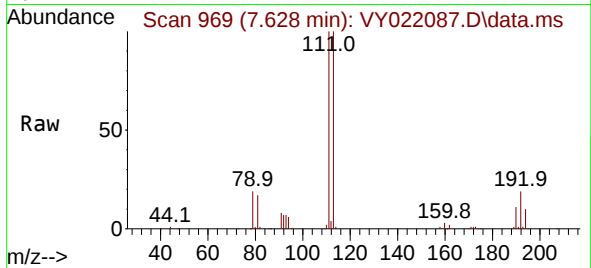




#35
 Dibromofluoromethane
 Concen: 51.127 ug/l
 RT: 7.628 min Scan# 910
 Delta R.T. -0.006 min
 Lab File: VY022087.D
 Acq: 30 Apr 2025 17:05

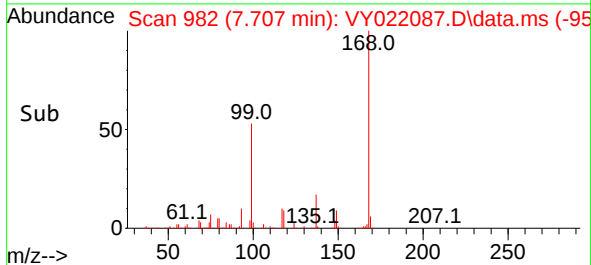
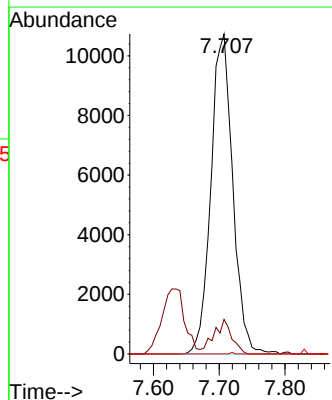
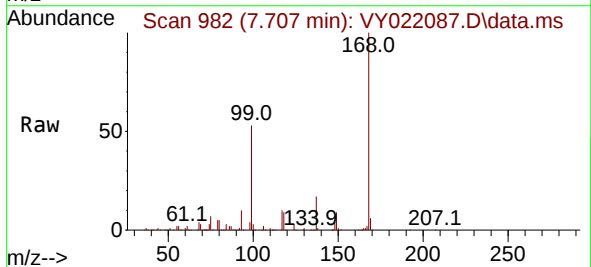
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-167-SB01

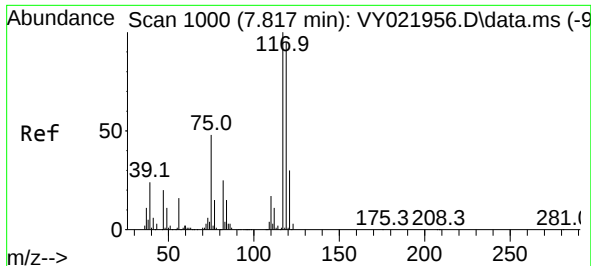
Tgt Ion:113 Resp: 220356
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.8 122.8
 192 20.5 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.291 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY022087.D
 Acq: 30 Apr 2025 17:05

Tgt Ion: 75 Resp: 24841
 Ion Ratio Lower Upper
 75 100
 110 8.8 19.1 57.3#
 77 0.0 25.5 38.3#

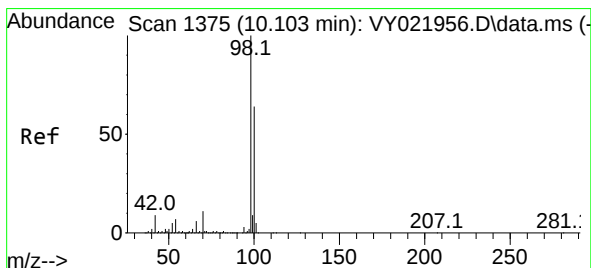
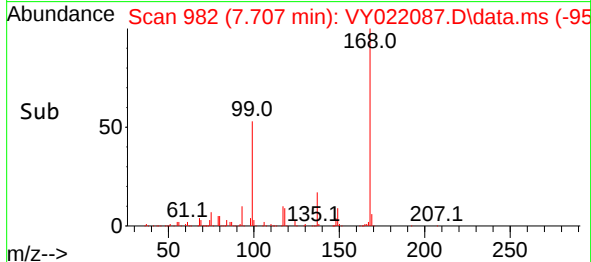
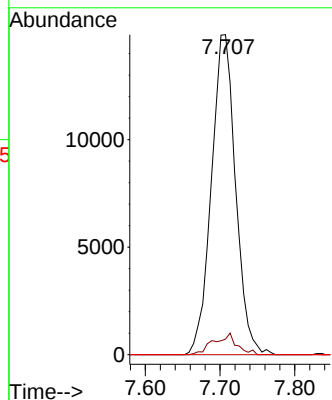
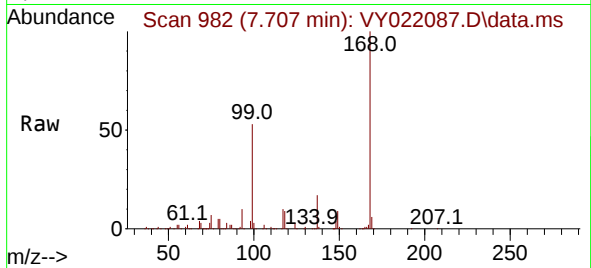




#38
Carbon Tetrachloride
Concen: 4.852 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

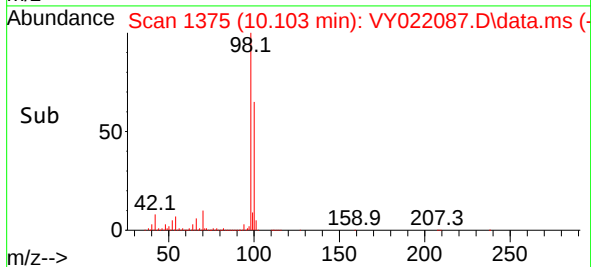
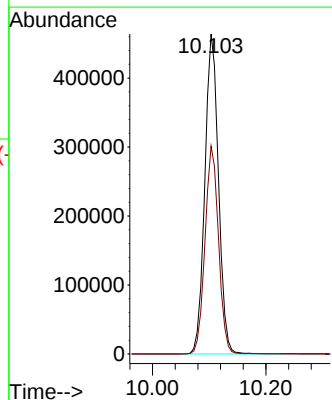
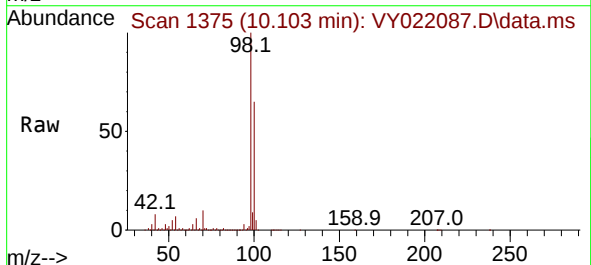
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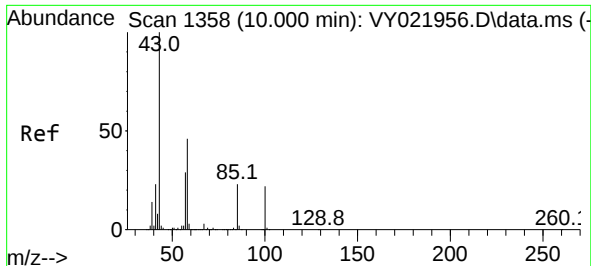
Tgt Ion:117 Resp: 33563
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.680 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

Tgt Ion: 98 Resp: 774744
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

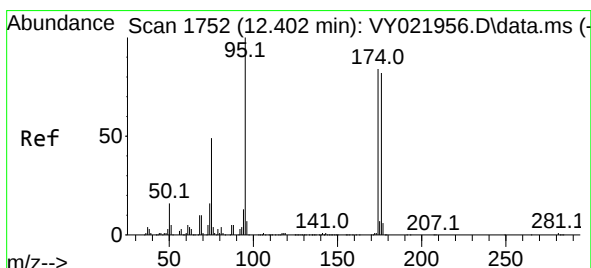
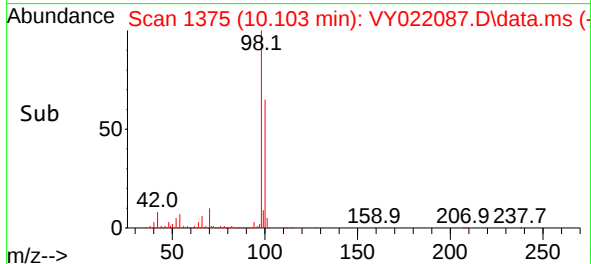
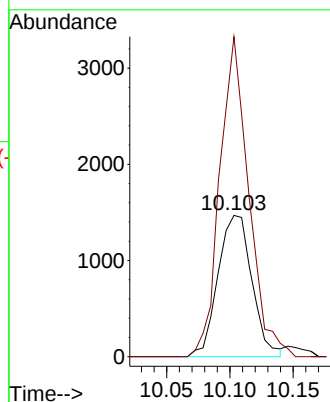
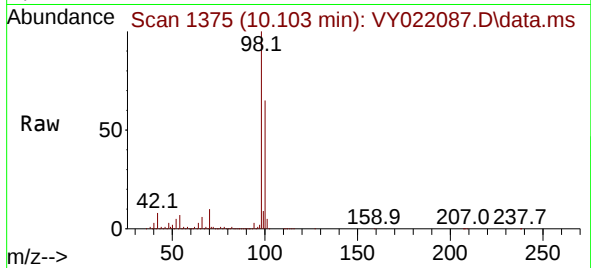




#51
4-Methyl-2-Pentanone
Concen: 1.310 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

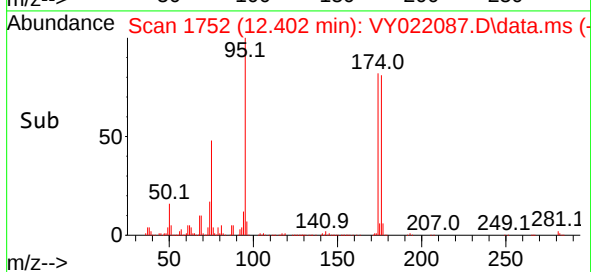
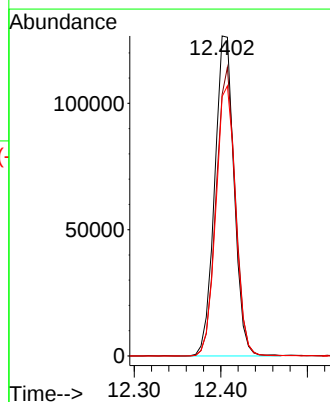
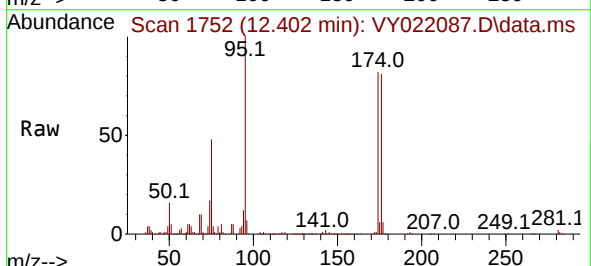
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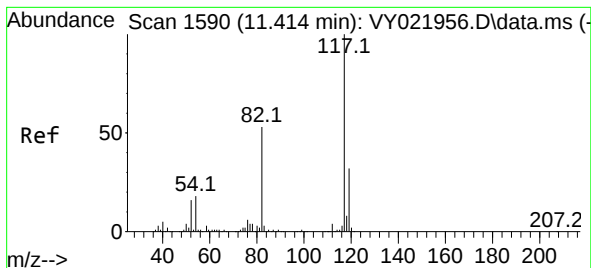
Tgt Ion: 43 Resp: 2742
Ion Ratio Lower Upper
43 100
58 192.9 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 36.079 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

Tgt Ion: 95 Resp: 197352
Ion Ratio Lower Upper
95 100
174 89.1 0.0 179.0
176 85.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022087.D

Acq: 30 Apr 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

B-167-SB01

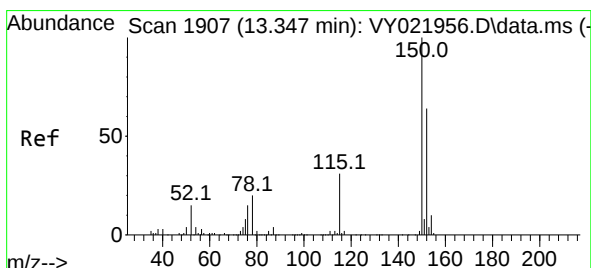
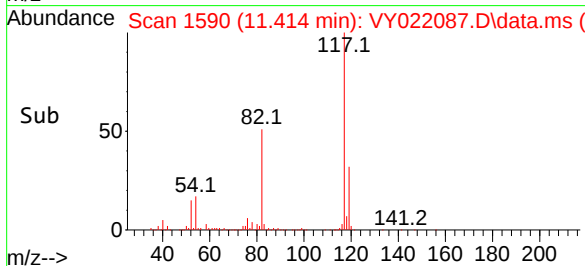
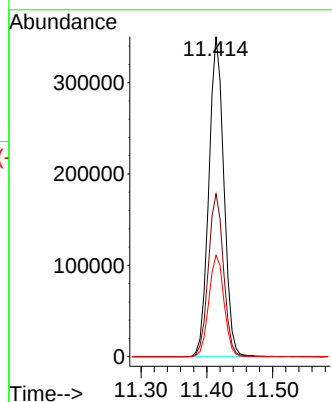
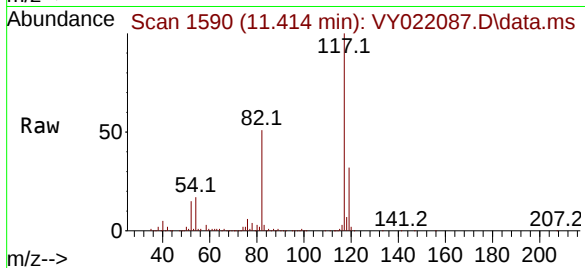
Tgt Ion:117 Resp: 556238

Ion Ratio Lower Upper

117 100

82 50.8 42.1 63.1

119 31.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022087.D

Acq: 30 Apr 2025 17:05

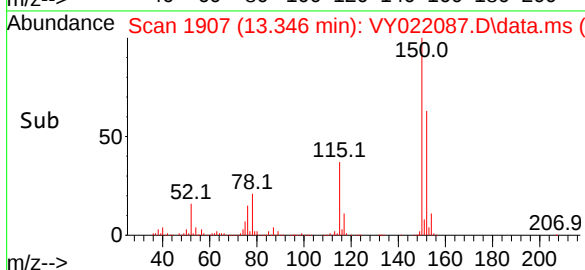
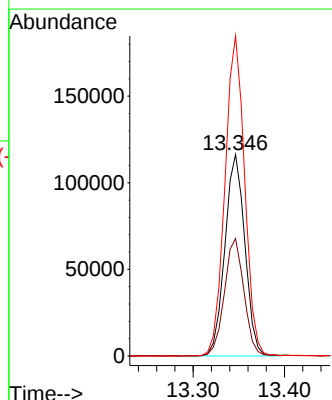
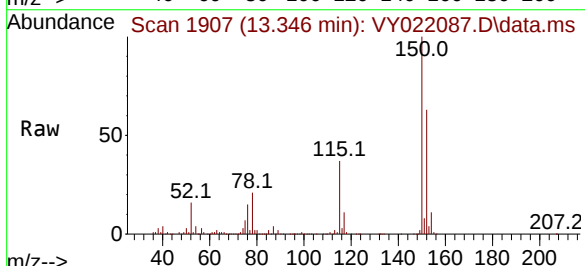
Tgt Ion:152 Resp: 176600

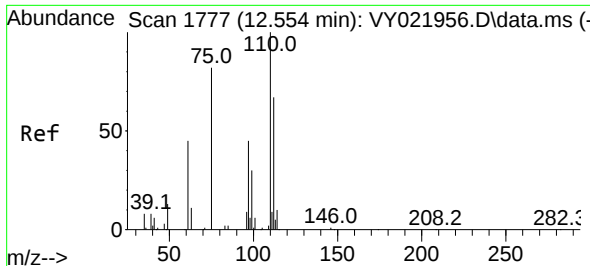
Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 156.7 0.0 345.6

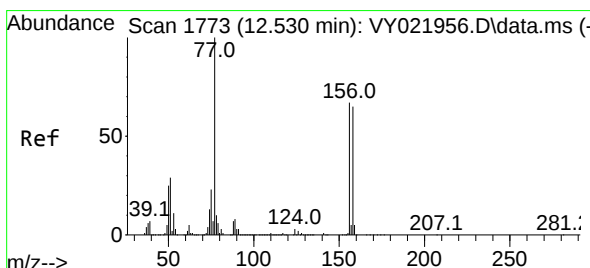
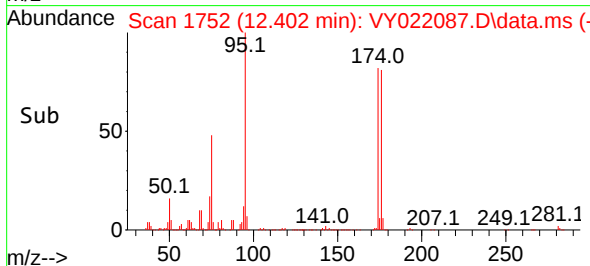
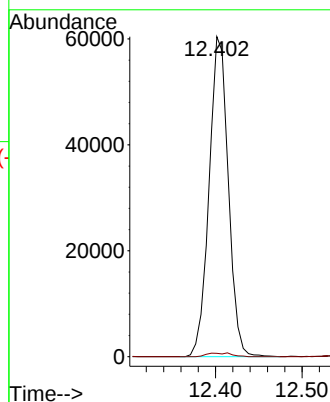
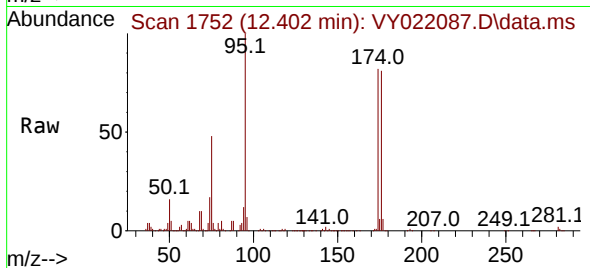




#76
1,2,3-Trichloropropane
Concen: 61.585 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

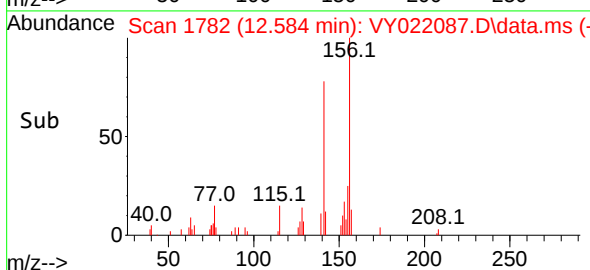
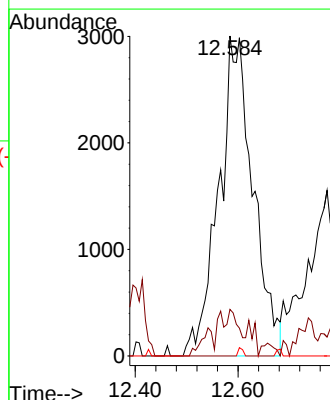
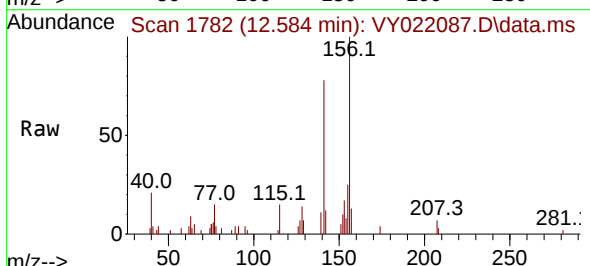
Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB01

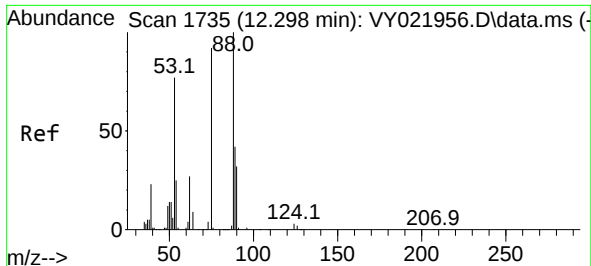
Tgt Ion: 75 Resp: 93157
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#77
Bromobenzene
Concen: 4.660 ug/l
RT: 12.584 min Scan# 1782
Delta R.T. 0.055 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

Tgt Ion: 156 Resp: 13893
Ion Ratio Lower Upper
156 100
77 4.1 82.7 248.1#
158 0.0 48.1 144.4#

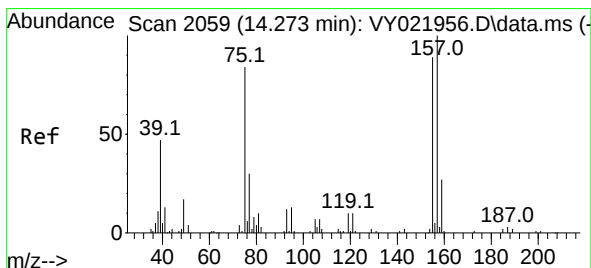
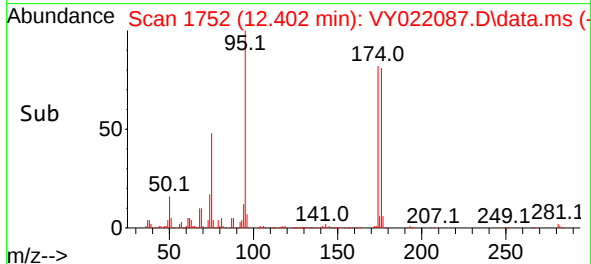
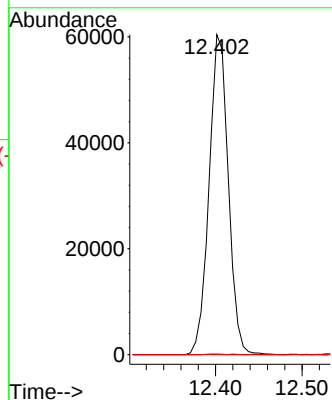
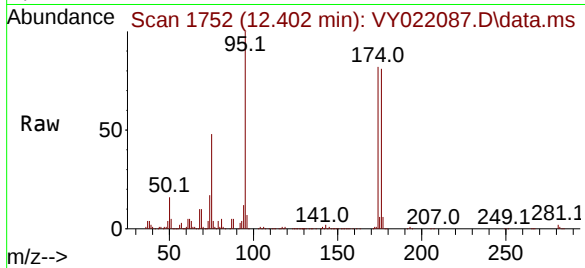




#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.305 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022087.D
 Acq: 30 Apr 2025 17:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-167-SB01

Tgt Ion: 75 Resp: 93157
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.0 37.2 55.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.000 ug/l
 RT: 14.535 min Scan# 2102
 Delta R.T. 0.262 min
 Lab File: VY022087.D
 Acq: 30 Apr 2025 17:05

Tgt Ion: 75 Resp: 1266
 Ion Ratio Lower Upper
 75 100
 155 121.9 50.7 152.3
 157 0.0 62.6 187.8#

