

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
 Data File : VY021879.D
 Acq On : 14 Apr 2025 18:57
 Operator : SY/MD
 Sample : Q1785-03
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-041125

Quant Time: Apr 14 23:35:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

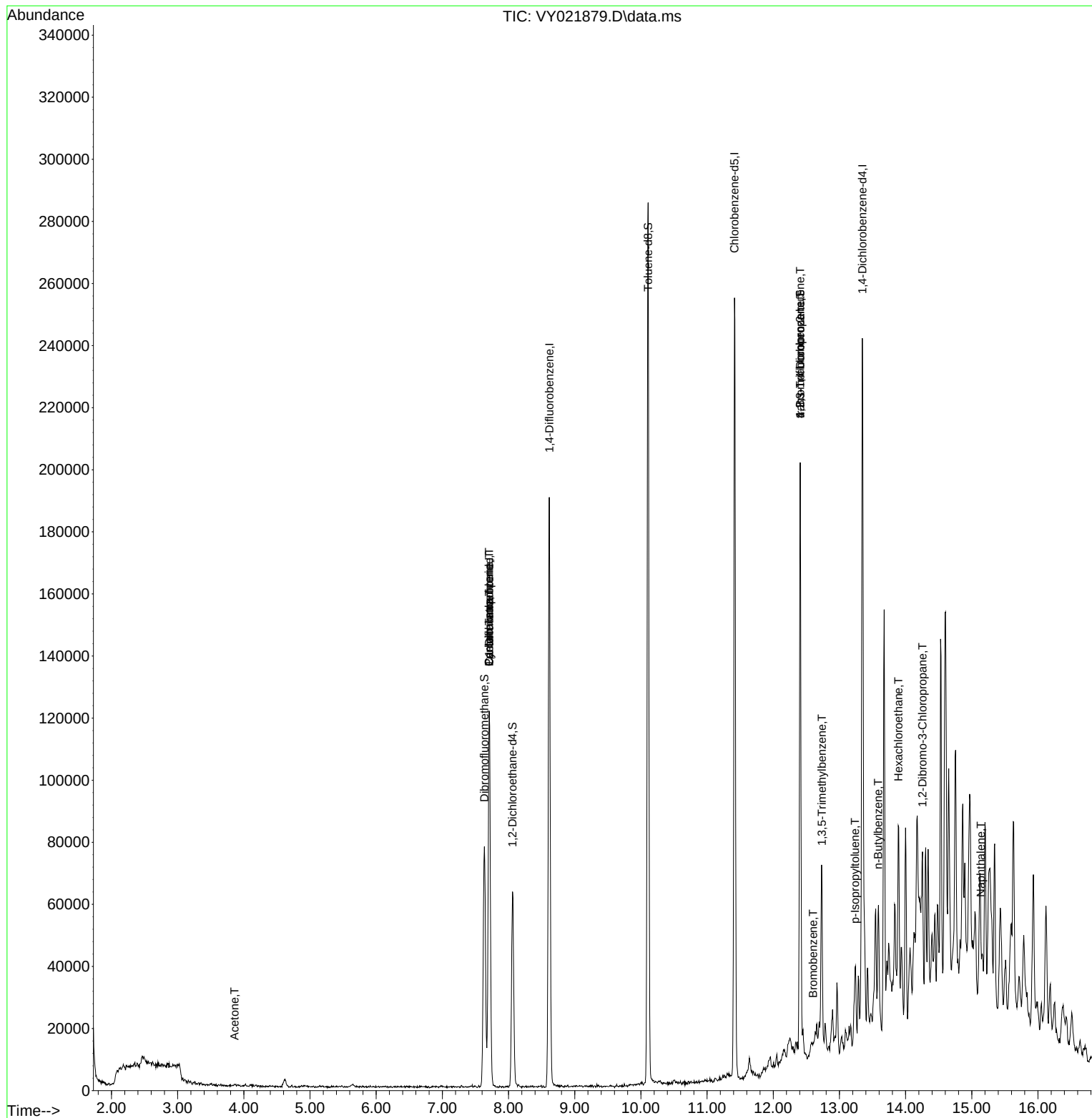
Internal Standards						
1) Pentafluorobenzene	7.707	168	92882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	154648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	134367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	54446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	51624	51.298	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.600%	
35) Dibromofluoromethane	7.634	113	55839	55.662	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.320%	
50) Toluene-d8	10.109	98	183867	48.178	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.360%	
62) 4-Bromofluorobenzene	12.408	95	57234	44.337	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.680%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	698	3.389	ug/l #	58
20) Methylene Chloride	4.610	84	1759	Below Cal	#	73
31) Cyclohexane	7.707	56	2169	1.221	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	7704	5.042	ug/l #	51
38) Carbon Tetrachloride	7.707	117	9642	5.509	ug/l #	19
76) 1,2,3-Trichloropropane	12.408	75	30001	55.588	ug/l #	100
77) Bromobenzene	12.603	156	4991	5.140	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.737	105	5478	1.657	ug/l	83
81) trans-1,4-Dichloro-2-b...	12.408	75	30001	128.085	ug/l #	12
86) p-Isopropyltoluene	13.237	119	4418	1.243	ug/l	90
89) n-Butylbenzene	13.584	91	5331	1.621	ug/l #	1
90) Hexachloroethane	13.889	117	2274	2.918	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.255	75	199	1.766	ug/l #	26
95) Naphthalene	15.139	128	2610	1.744	ug/l #	78

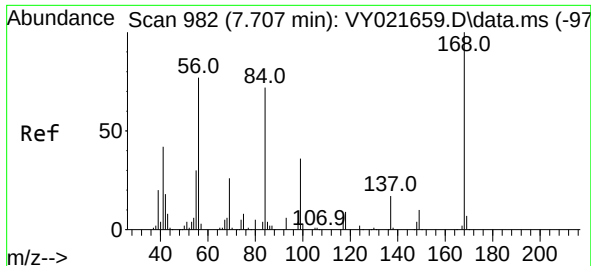
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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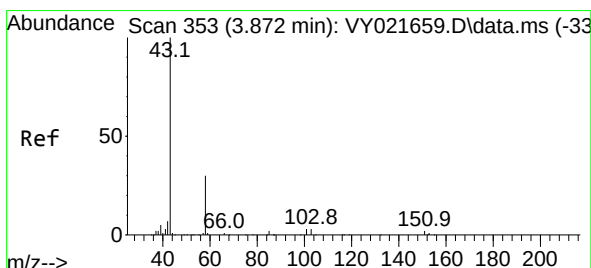
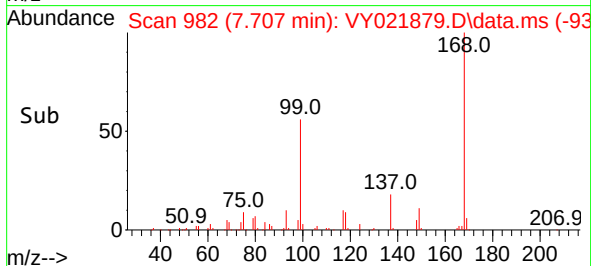
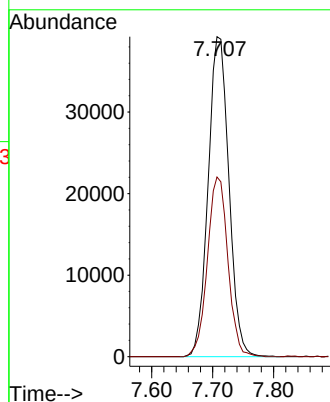
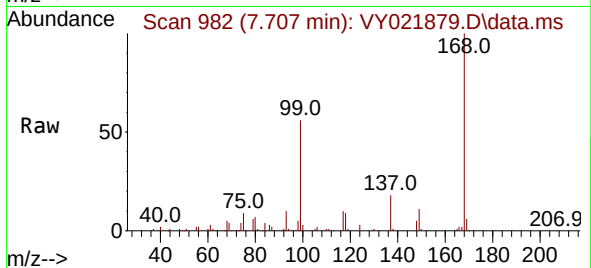




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

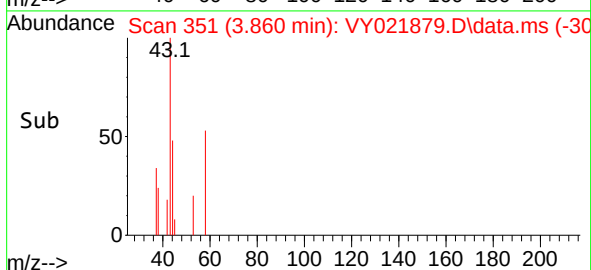
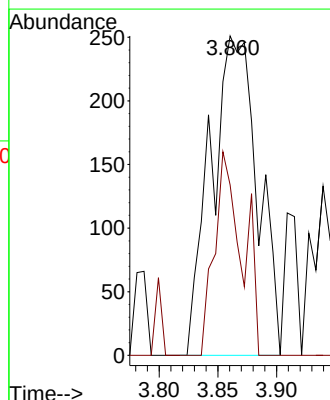
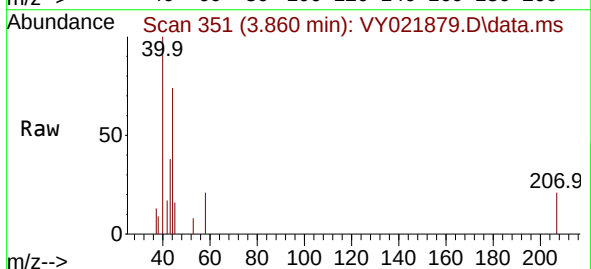
Instrument :
MSVOA_Y
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HR-03-041125

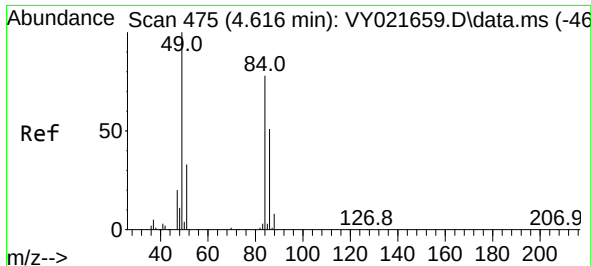
Tgt Ion:168 Resp: 92882
Ion Ratio Lower Upper
168 100
99 56.2 46.7 70.1



#16
Acetone
Concen: 3.389 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
58 53.4 24.2 36.4#

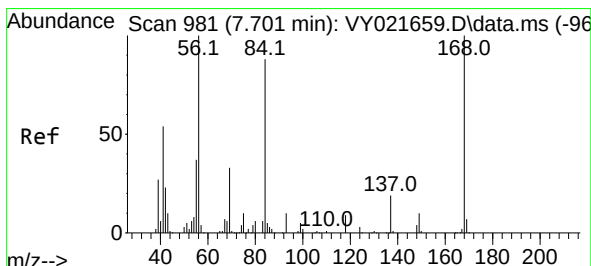
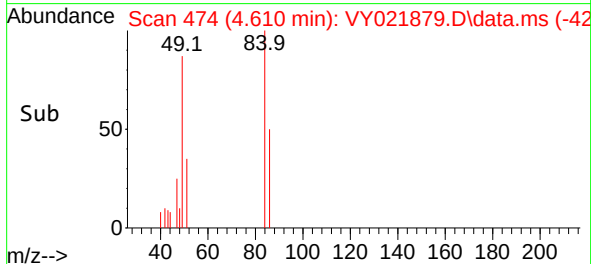
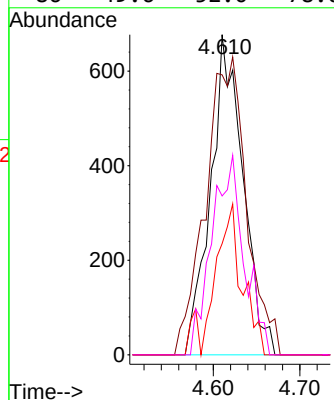
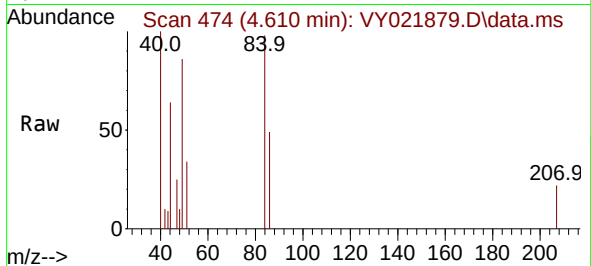




#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

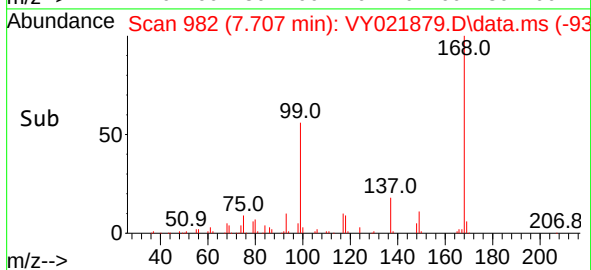
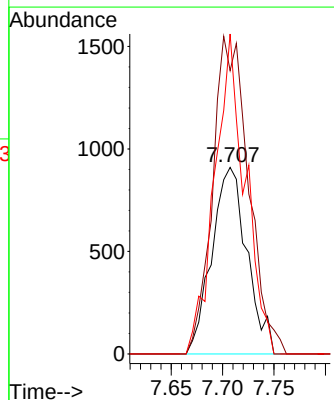
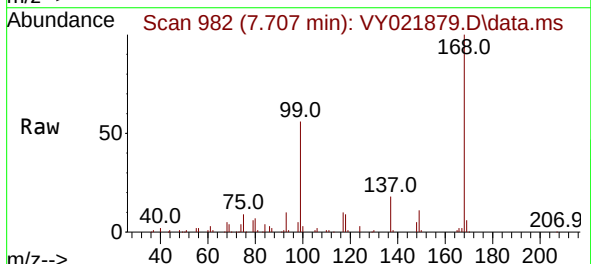
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-041125

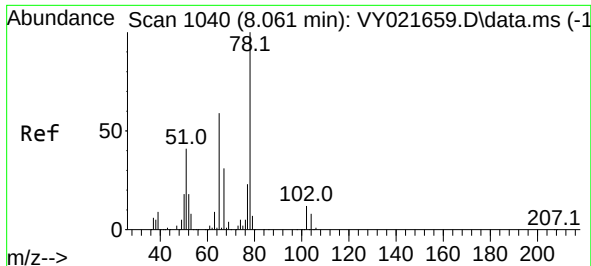
Tgt Ion:	84	Resp:	1759
Ion	Ratio	Lower	Upper
84	100		
49	87.4	102.8	154.2#
51	34.7	33.5	50.3
86	49.6	52.0	78.0#



#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

Tgt Ion:	56	Resp:	2169
Ion	Ratio	Lower	Upper
56	100		
69	151.9	26.6	40.0#
84	171.5	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 51.298 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021879.D

Acq: 14 Apr 2025 18:57

Instrument :

MSVOA_Y

ClientSampleId :

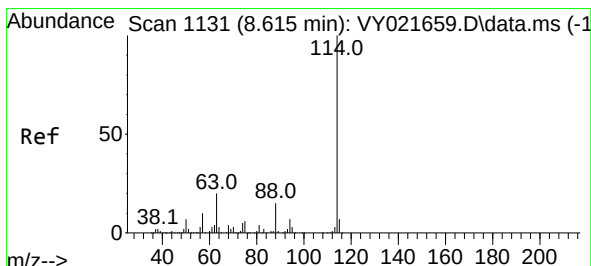
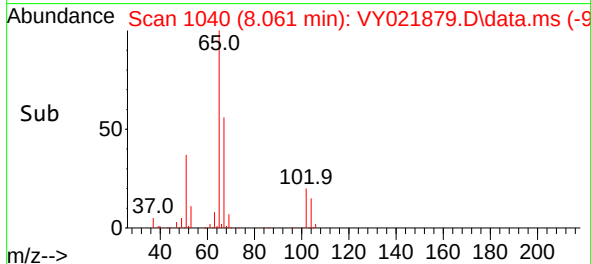
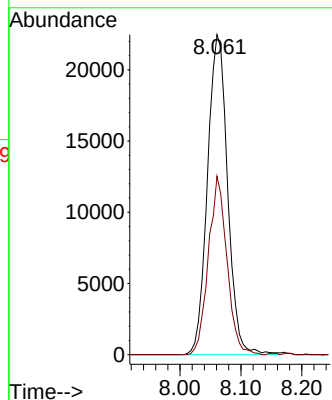
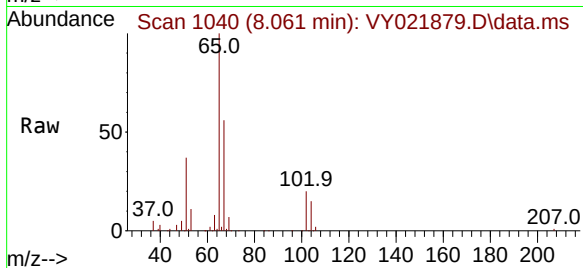
HR-03-041125

Tgt Ion: 65 Resp: 51624

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021879.D

Acq: 14 Apr 2025 18:57

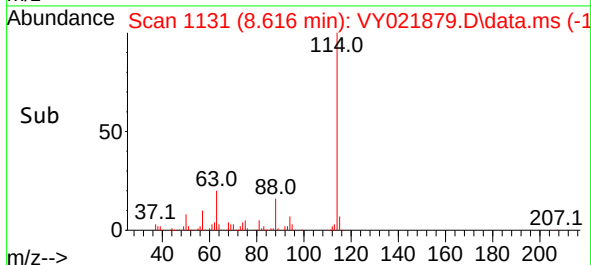
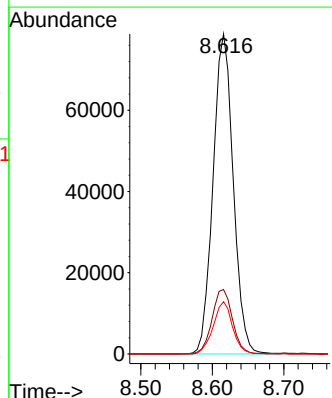
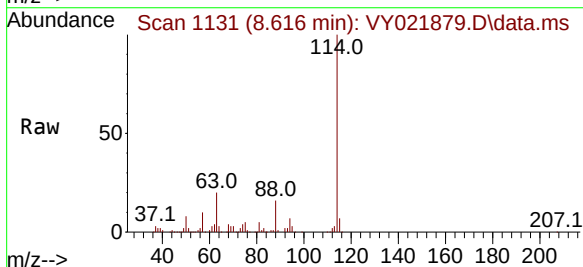
Tgt Ion: 114 Resp: 154648

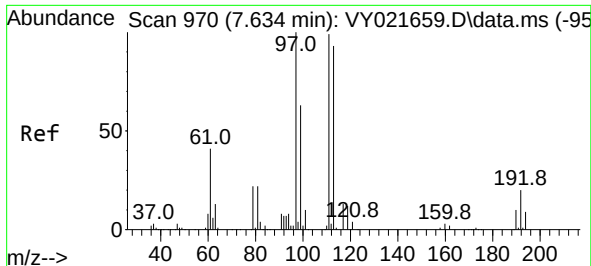
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

88 16.3 0.0 29.8

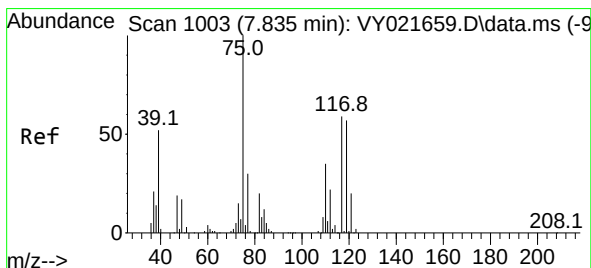
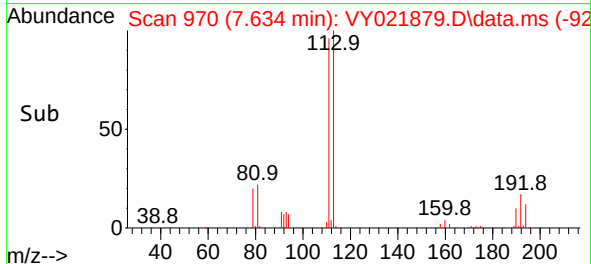
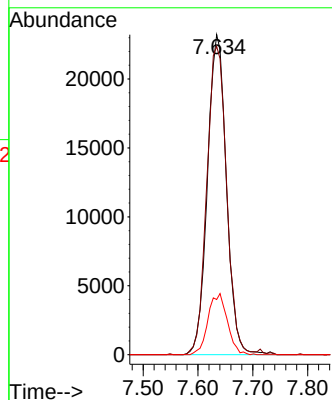
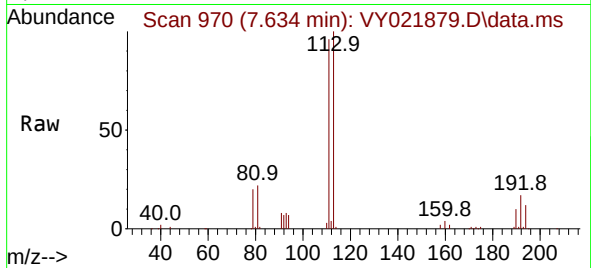




#35
Dibromofluoromethane
Concen: 55.662 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

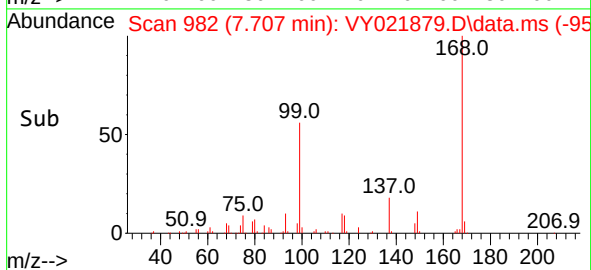
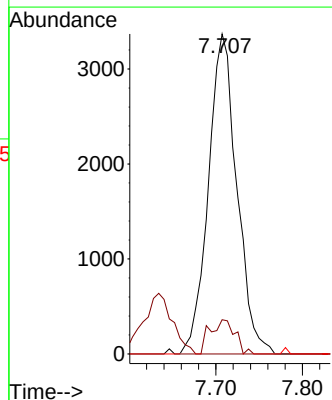
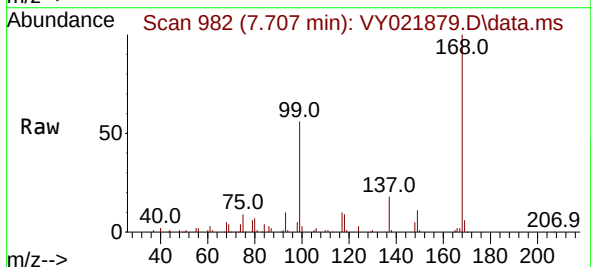
Instrument :
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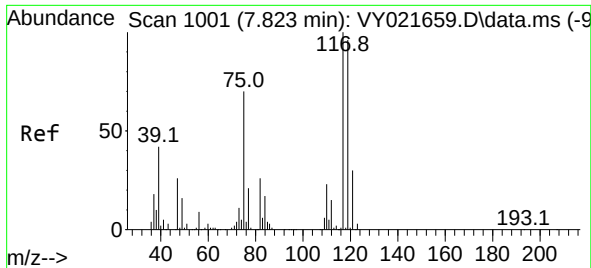
Tgt Ion:113 Resp: 55839
Ion Ratio Lower Upper
113 100
111 99.9 82.6 123.8
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.042 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

Tgt Ion: 75 Resp: 7704
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.8 37.2#

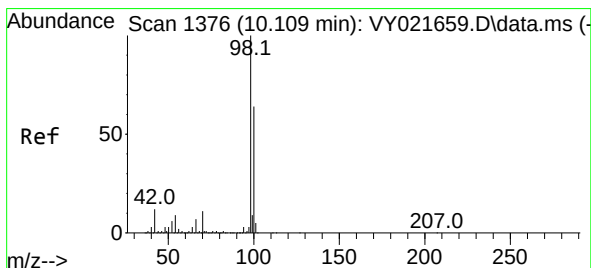
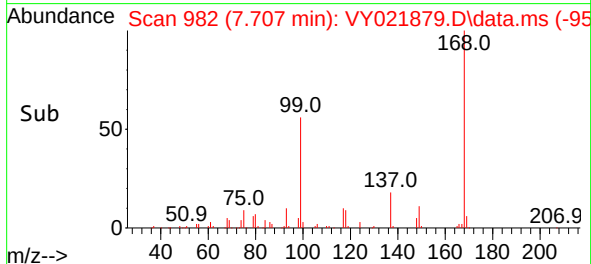
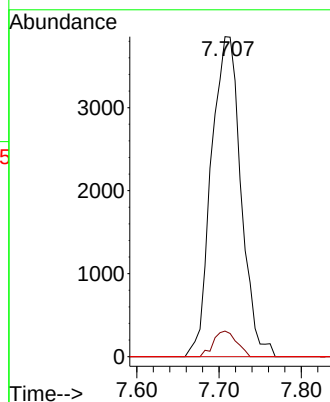
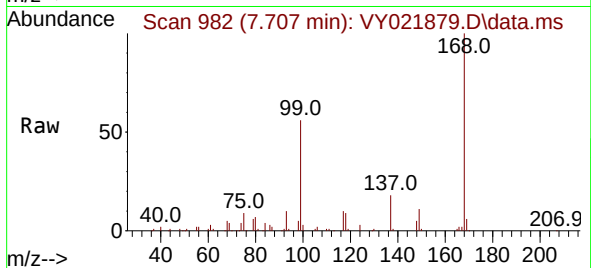




#38
Carbon Tetrachloride
Concen: 5.509 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

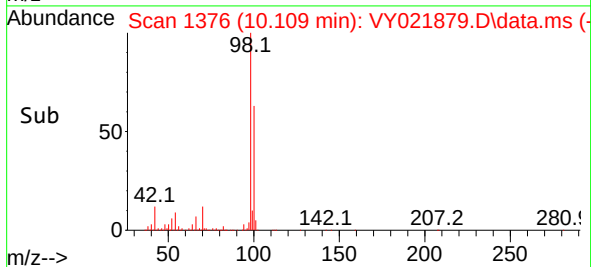
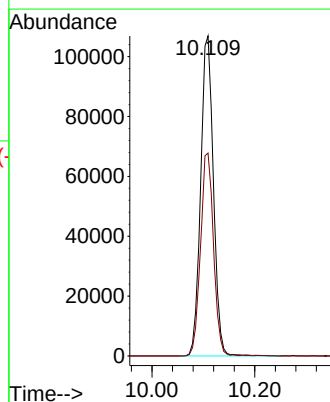
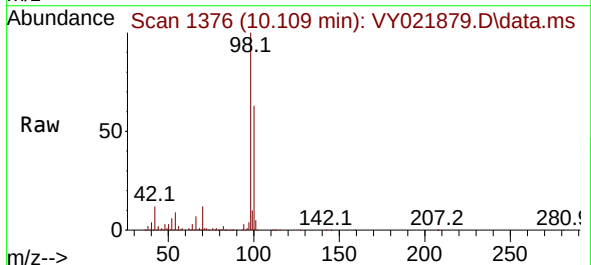
Instrument :
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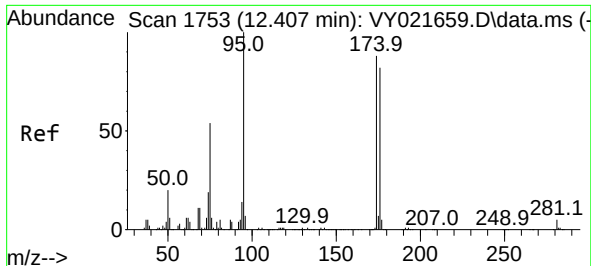
Tgt Ion:117 Resp: 9642
Ion Ratio Lower Upper
117 100
119 8.0 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.178 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

Tgt Ion: 98 Resp: 183867
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

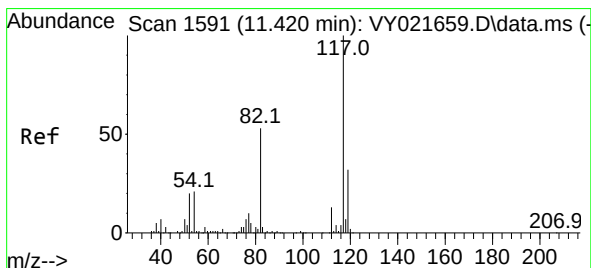
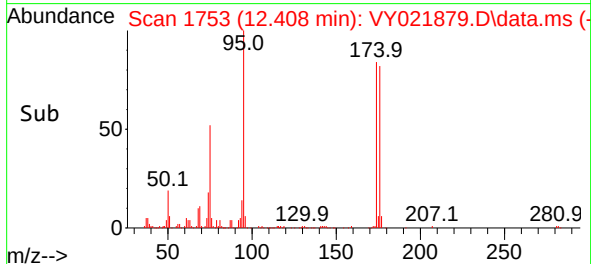
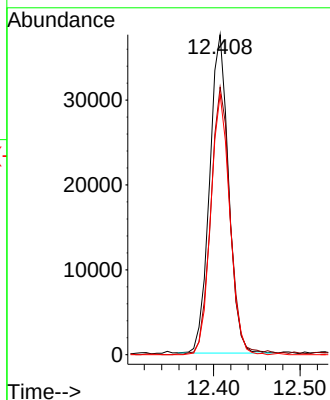
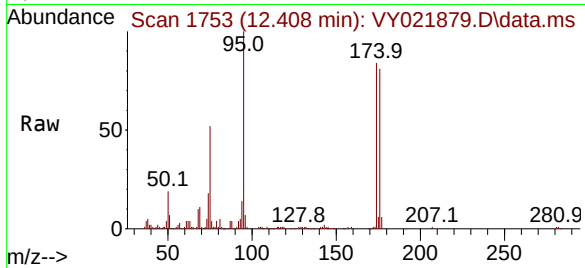




#62
4-Bromofluorobenzene
Concen: 44.337 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

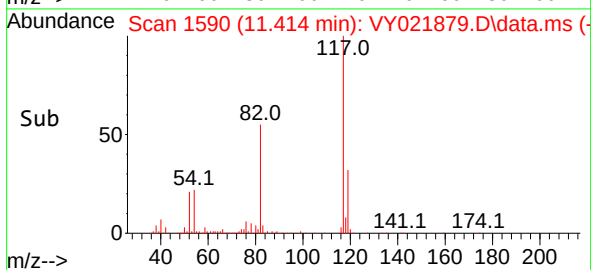
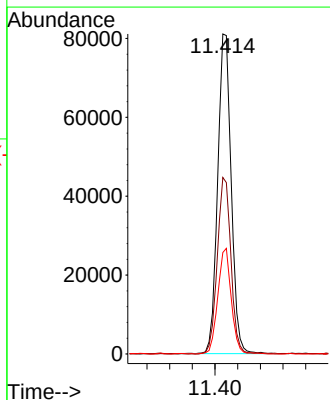
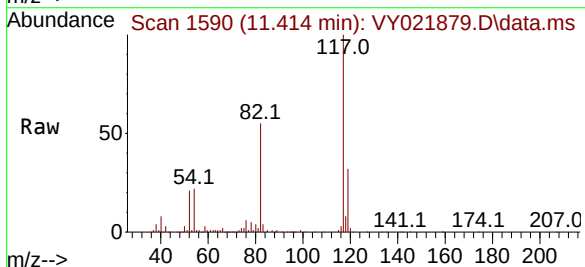
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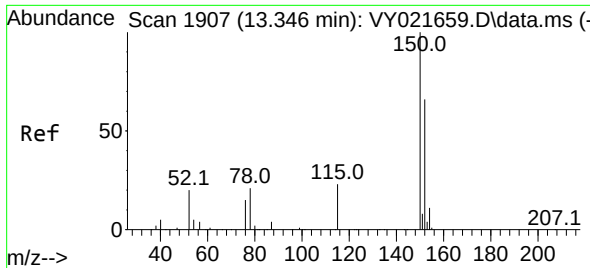
Tgt Ion: 95 Resp: 57234
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.8
176 81.9 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

Tgt Ion: 117 Resp: 134367
Ion Ratio Lower Upper
117 100
82 55.2 42.8 64.2
119 31.7 25.7 38.5

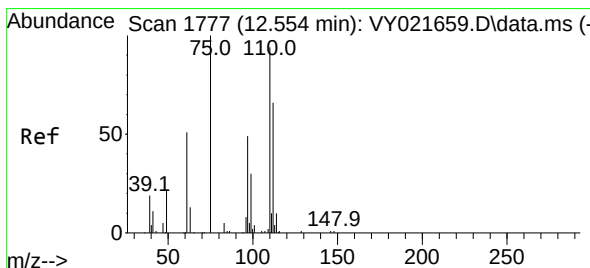
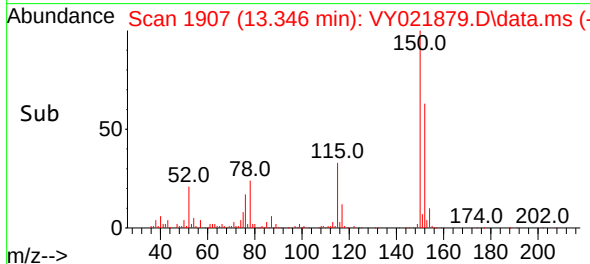
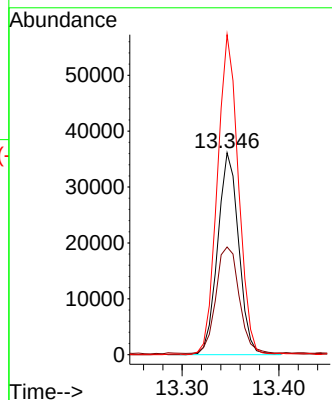
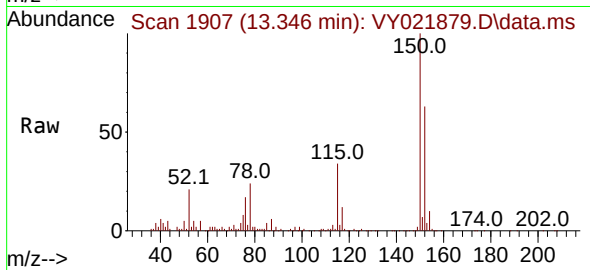




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021879.D
 Acq: 14 Apr 2025 18:57

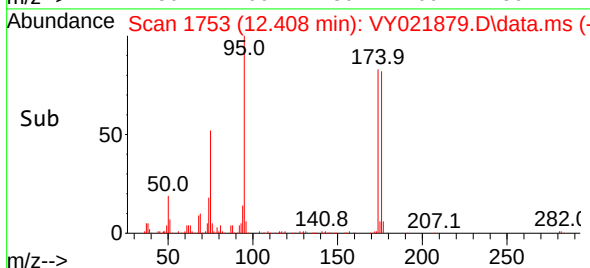
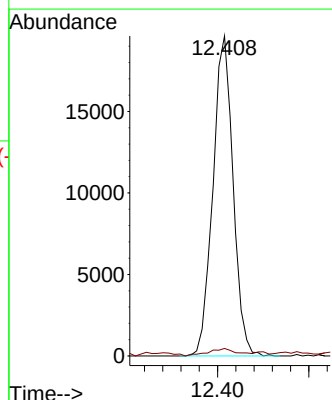
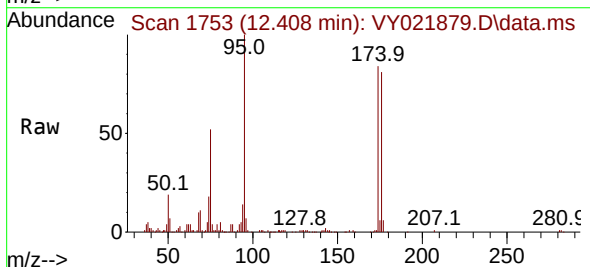
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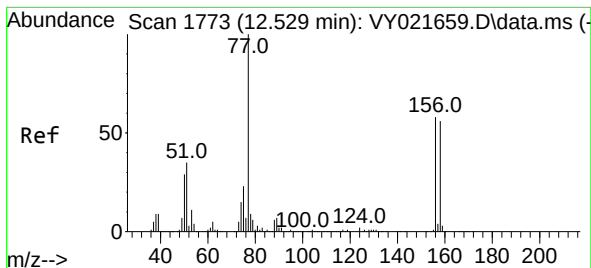
Tgt Ion:152 Resp: 54446
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.8 86.5
 150 158.5 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 55.588 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021879.D
 Acq: 14 Apr 2025 18:57

Tgt Ion: 75 Resp: 30001
 Ion Ratio Lower Upper
 75 100
 77 3.4 0.0 0.0#





#77

Bromobenzene

Concen: 5.140 ug/l

RT: 12.603 min Scan# 11

Delta R.T. 0.073 min

Lab File: VY021879.D

Acq: 14 Apr 2025 18:57

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-041125

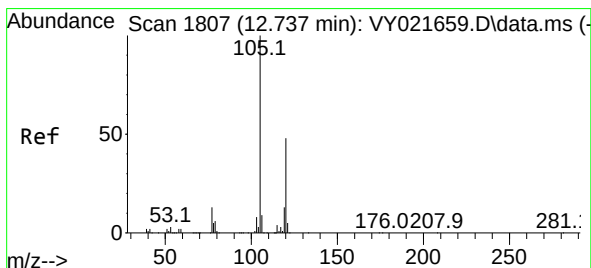
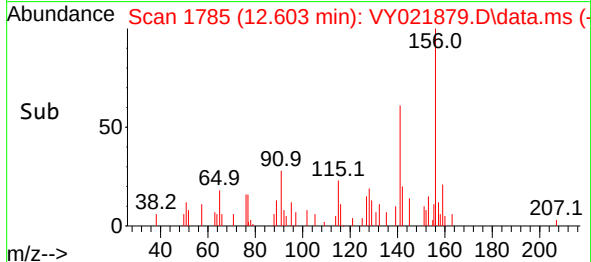
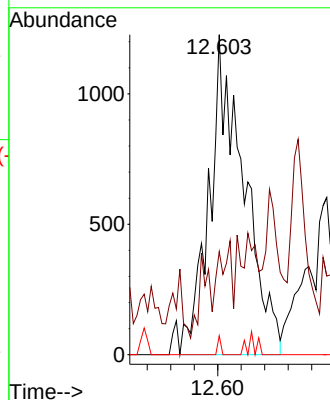
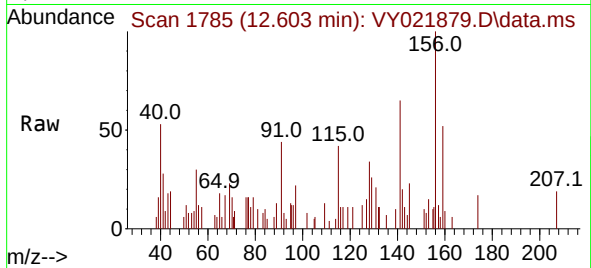
Tgt Ion:156 Resp: 4991

Ion Ratio Lower Upper

156 100

77 5.0 92.8 278.3#

158 0.5 48.5 145.6#



#80

1,3,5-Trimethylbenzene

Concen: 1.657 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021879.D

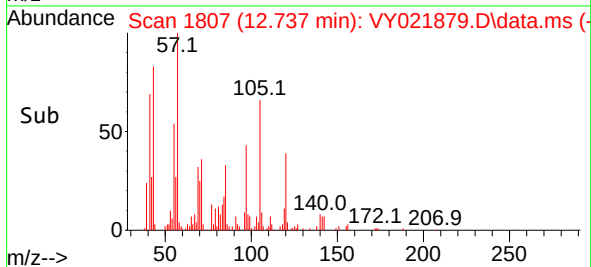
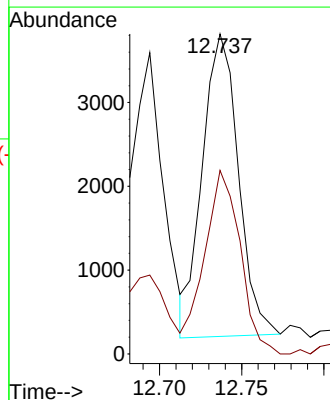
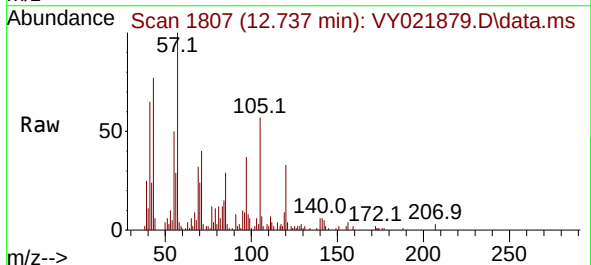
Acq: 14 Apr 2025 18:57

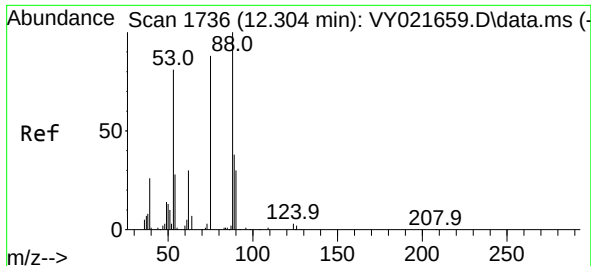
Tgt Ion:105 Resp: 5478

Ion Ratio Lower Upper

105 100

120 60.4 24.5 73.5

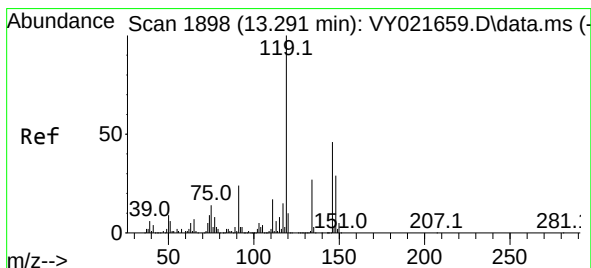
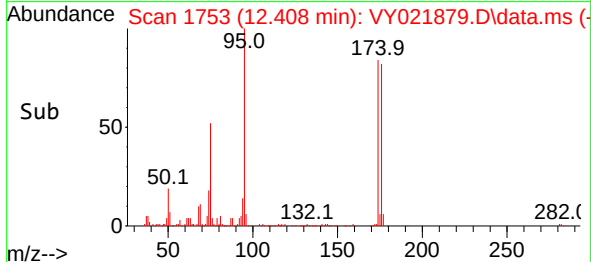
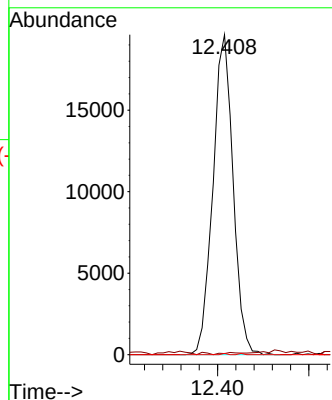
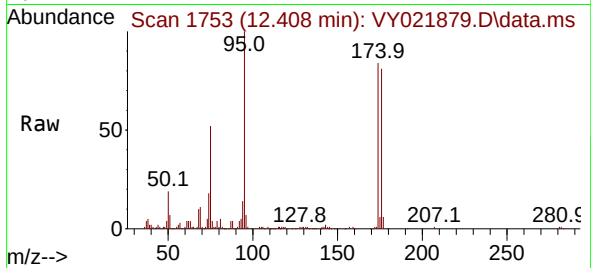




#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.085 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021879.D
 Acq: 14 Apr 2025 18:57

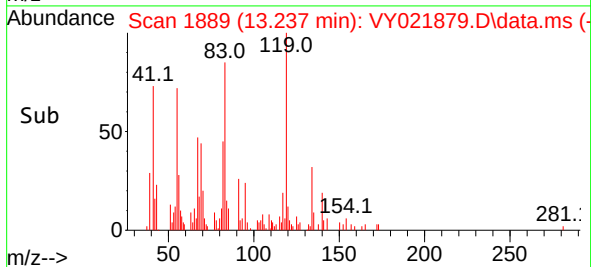
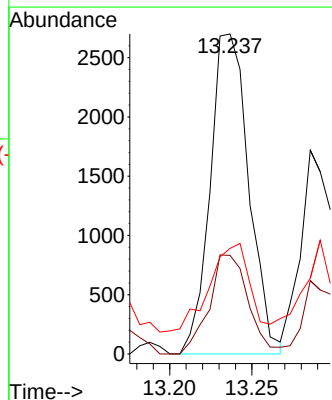
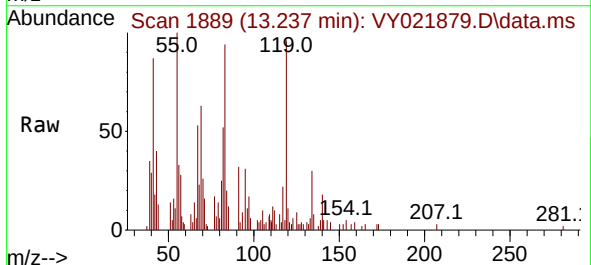
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-041125

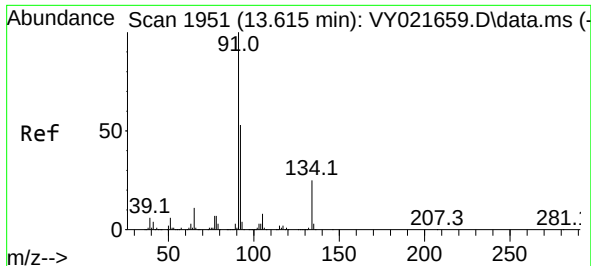
Tgt Ion: 75 Resp: 30001
 Ion Ratio Lower Upper
 75 100
 53 0.6 76.1 114.1#
 89 0.1 36.2 54.4#



#86
 p-Isopropyltoluene
 Concen: 1.243 ug/l
 RT: 13.237 min Scan# 1889
 Delta R.T. -0.055 min
 Lab File: VY021879.D
 Acq: 14 Apr 2025 18:57

Tgt Ion: 119 Resp: 4418
 Ion Ratio Lower Upper
 119 100
 134 31.3 13.2 39.5
 91 28.5 12.0 36.0

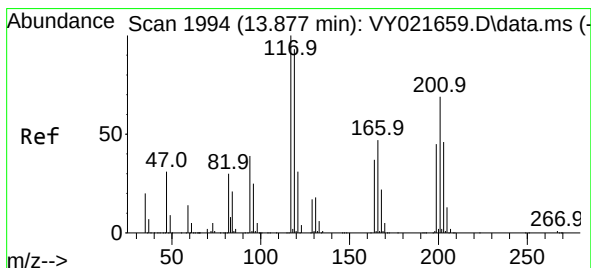
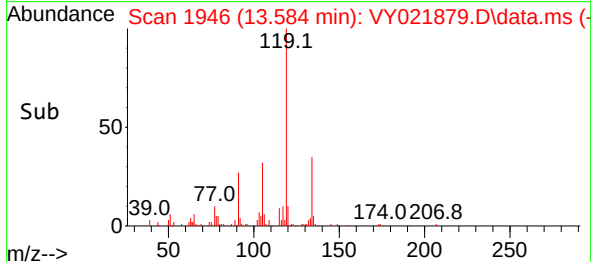
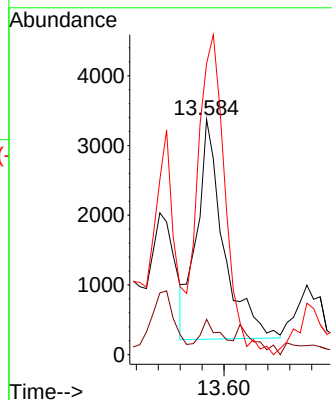
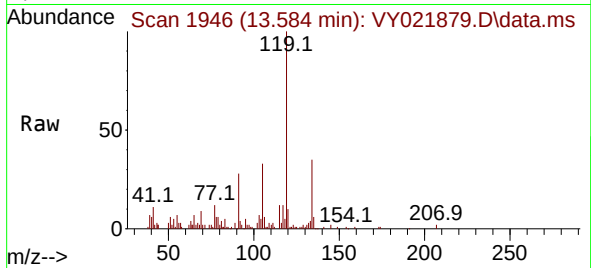




#89
n-Butylbenzene
Concen: 1.621 ug/l
RT: 13.584 min Scan# 1946
Delta R.T. -0.030 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

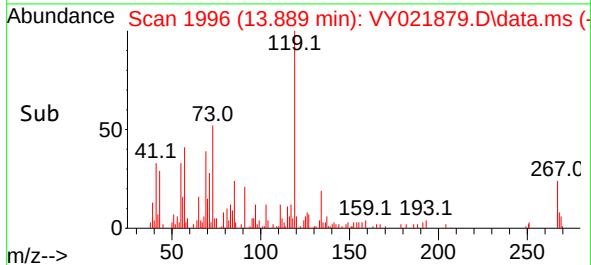
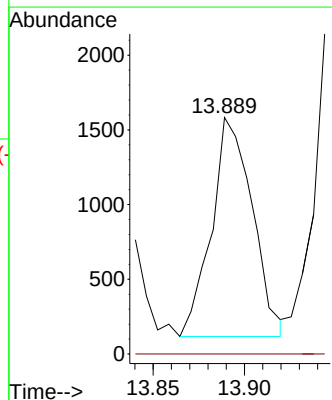
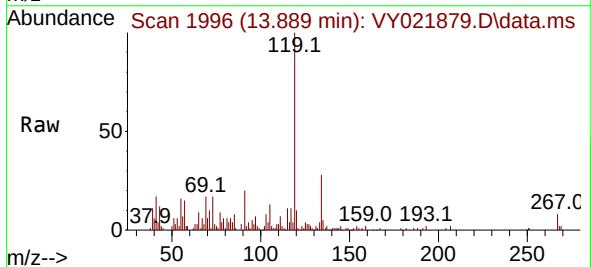
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-041125

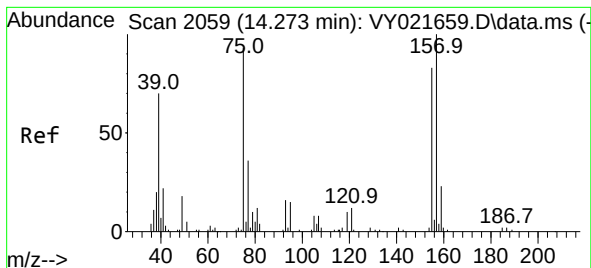
Tgt Ion: 91 Resp: 5331
Ion Ratio Lower Upper
91 100
92 13.6 26.4 79.2#
134 144.9 12.8 38.4#



#90
Hexachloroethane
Concen: 2.918 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.012 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

Tgt Ion: 117 Resp: 2274
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.1#

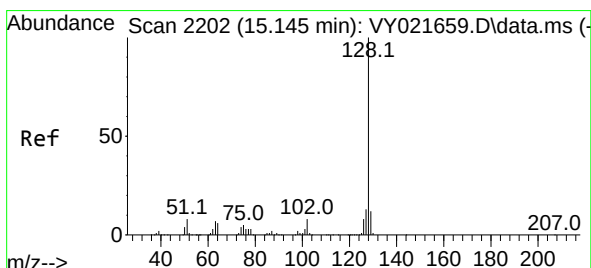
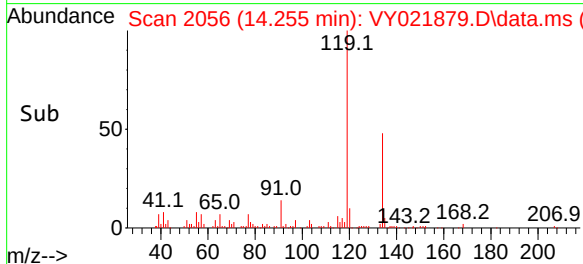
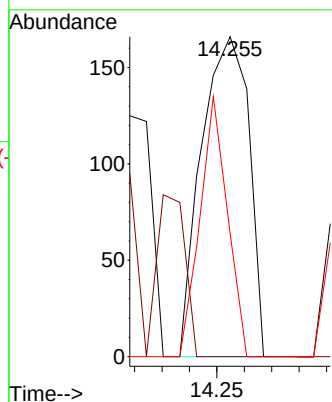
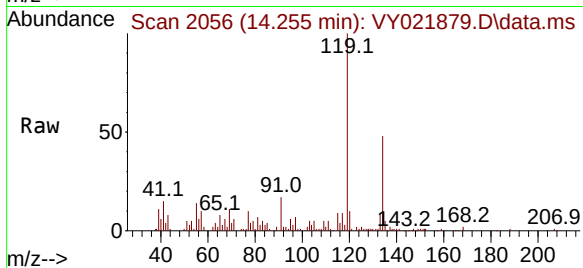




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.766 ug/l
RT: 14.255 min Scan# 2056
Delta R.T. -0.018 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-041125

Tgt Ion: 75 Resp: 199
Ion Ratio Lower Upper
75 100
155 0.0 43.0 128.8#
157 47.2 54.0 162.0#



#95
Naphthalene
Concen: 1.744 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY021879.D
Acq: 14 Apr 2025 18:57

Tgt Ion: 128 Resp: 2610
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 13.8 8.8 13.2#

