

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021910.D
 Acq On : 17 Apr 2025 14:52
 Operator : SY/MD
 Sample : Q1825-07
 Misc : 3.76g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-11

Quant Time: Apr 18 03:59:25 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)

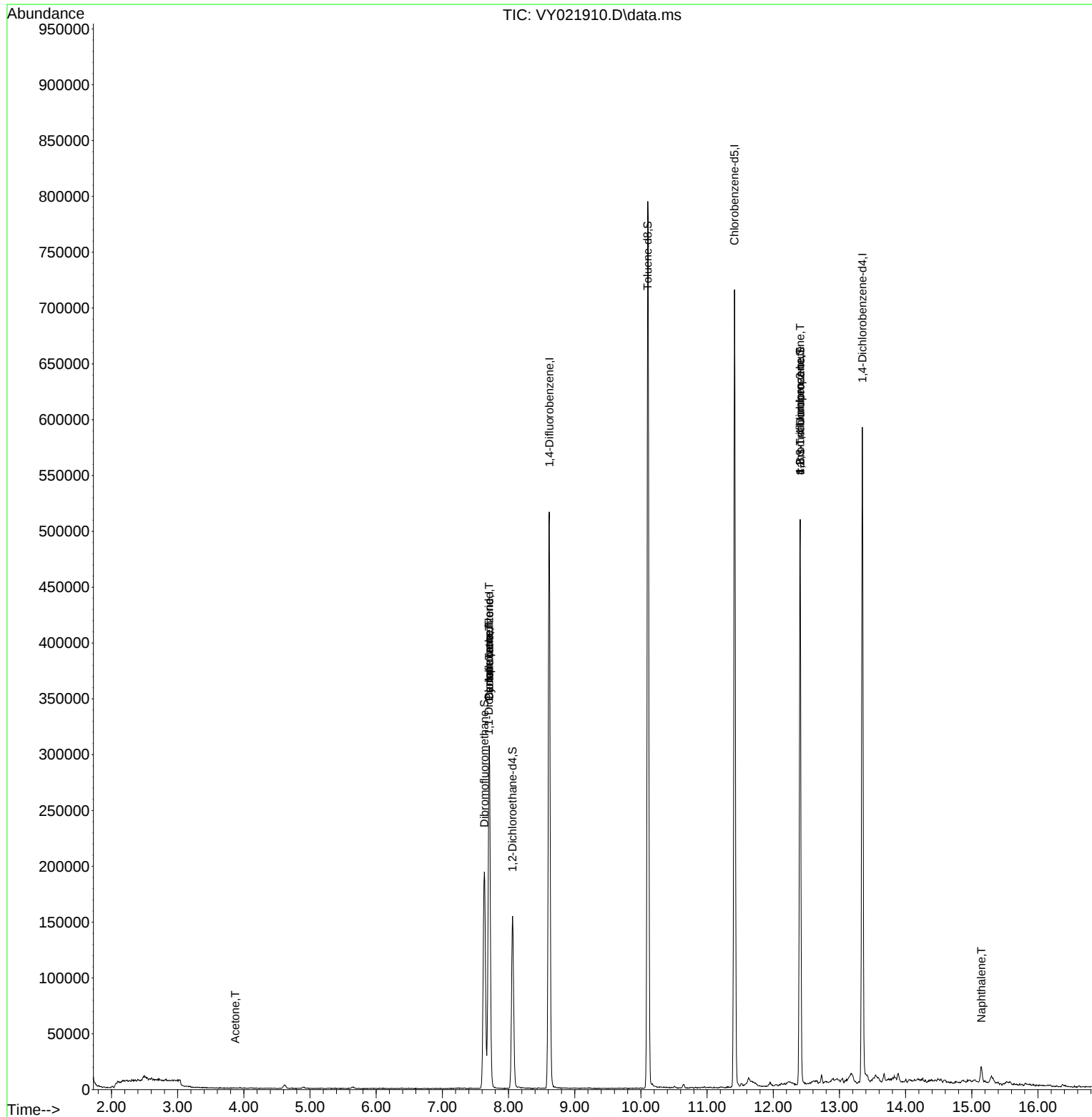
Internal Standards						
1) Pentafluorobenzene	7.707	168	233991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	427743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	369550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	146015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120809	47.652	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.300%
35) Dibromofluoromethane	7.634	113	140779	50.737	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.480%
50) Toluene-d8	10.103	98	516309	48.912	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.820%
62) 4-Bromofluorobenzene	12.408	95	153409	42.966	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.940%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	620	1.195	ug/l #	75
20) Methylene Chloride	4.622	84	2169	Below Cal		90
31) Cyclohexane	7.707	56	4922	1.100	ug/l #	15
36) 1,1-Dichloropropene	7.701	75	19344	4.577	ug/l #	51
38) Carbon Tetrachloride	7.707	117	24133	4.986	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	80958	55.934	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	80958	128.881	ug/l #	12
95) Naphthalene	15.145	128	10216	2.545	ug/l	97

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

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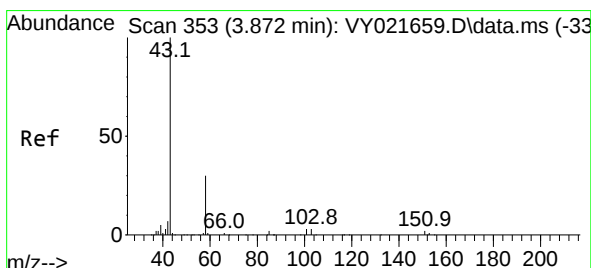
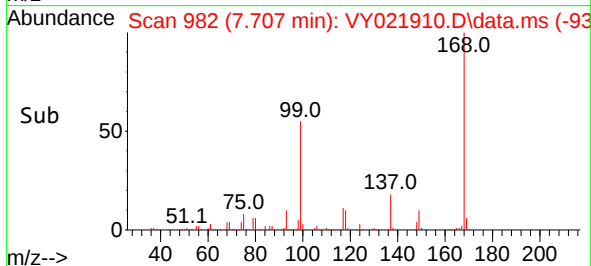
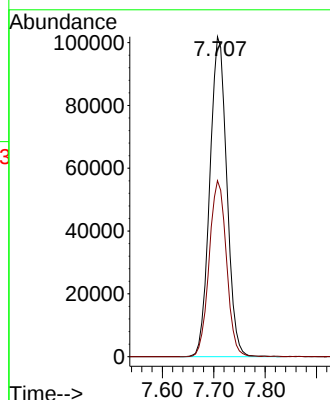
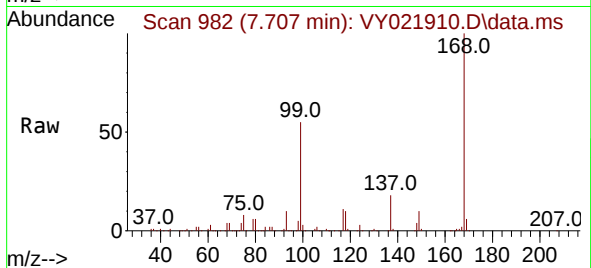




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

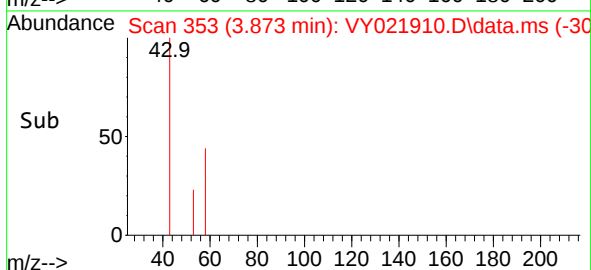
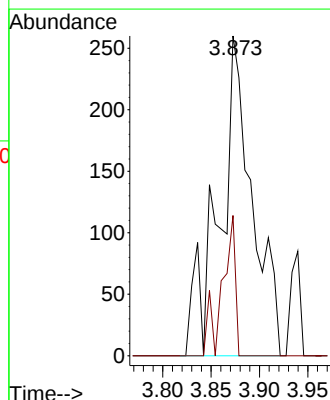
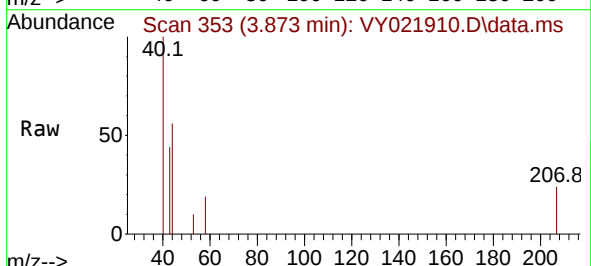
Instrument :
MSVOA_Y
ClientSampleId :
TP-11

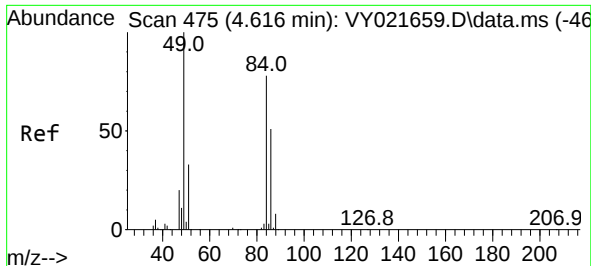
Tgt Ion:168 Resp: 233991
Ion Ratio Lower Upper
168 100
99 55.0 46.7 70.1



#16
Acetone
Concen: 1.195 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
58 43.8 24.2 36.4#



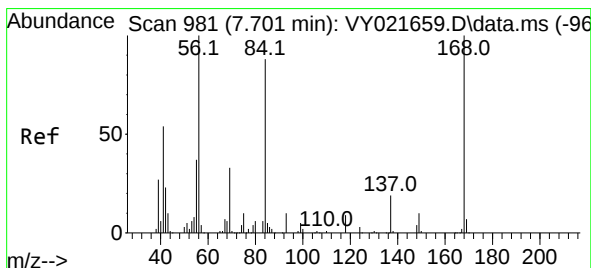
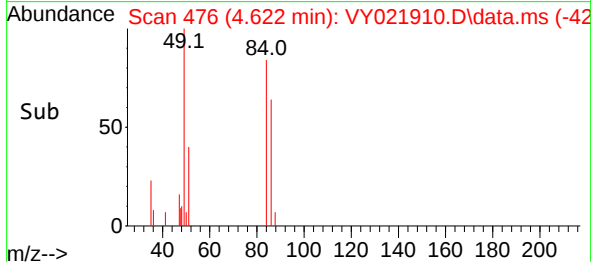
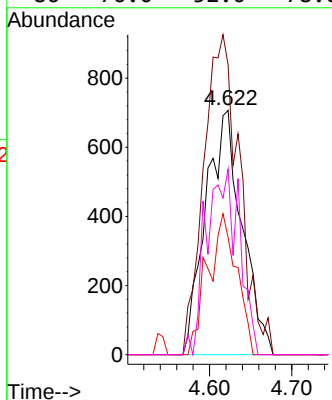
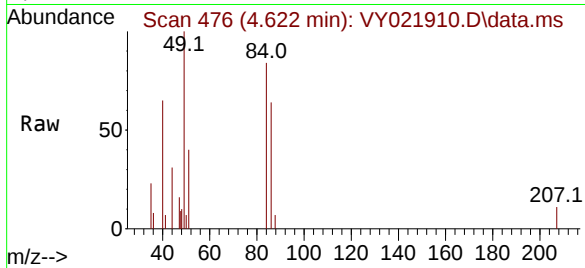


#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

Instrument :
MSVOA_Y
ClientSampleId :
TP-11

Tgt Ion: 84 Resp: 2169

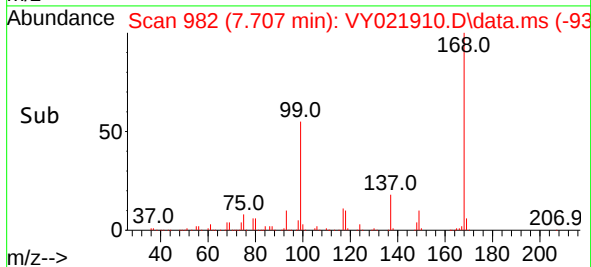
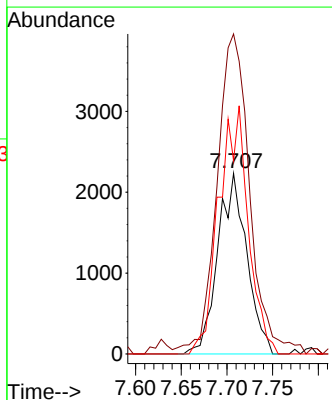
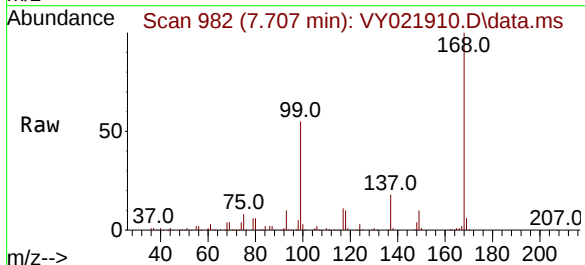
Ion	Ratio	Lower	Upper
84	100		
49	118.5	102.8	154.2
51	47.9	33.5	50.3
86	76.0	52.0	78.0

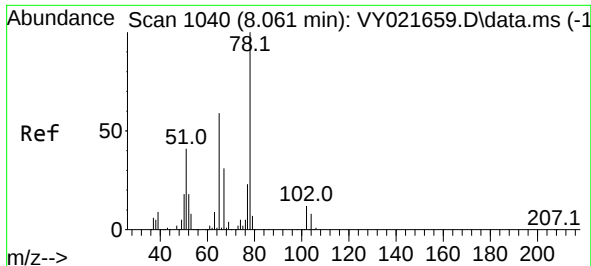


#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

Tgt Ion: 56 Resp: 4922

Ion	Ratio	Lower	Upper
56	100		
69	173.6	26.6	40.0#
84	106.9	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 47.652 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021910.D

Acq: 17 Apr 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

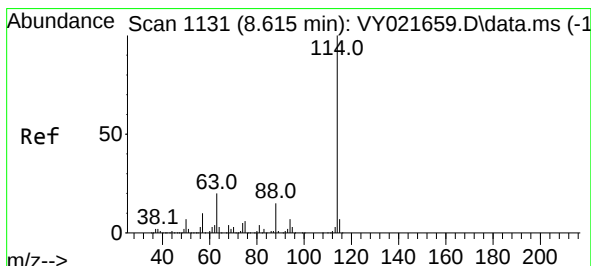
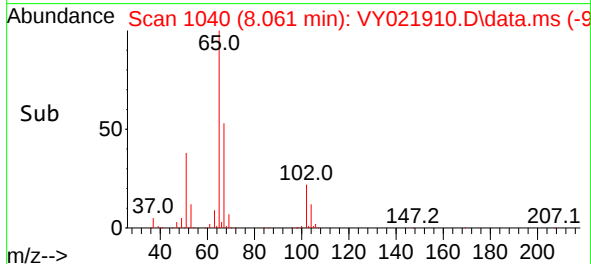
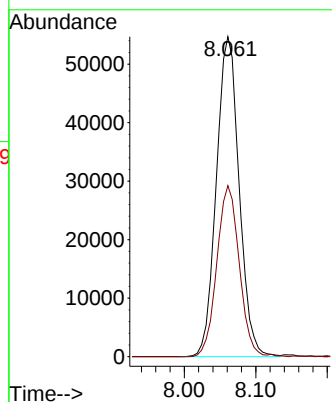
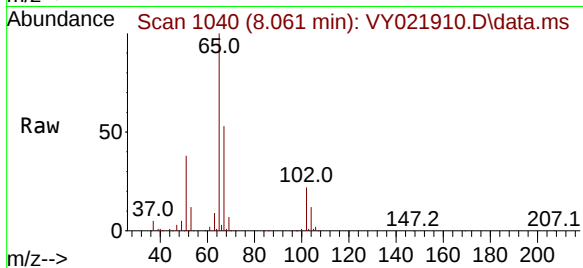
TP-11

Tgt Ion: 65 Resp: 120809

Ion Ratio Lower Upper

65 100

67 52.7 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: VY021910.D

Acq: 17 Apr 2025 14:52

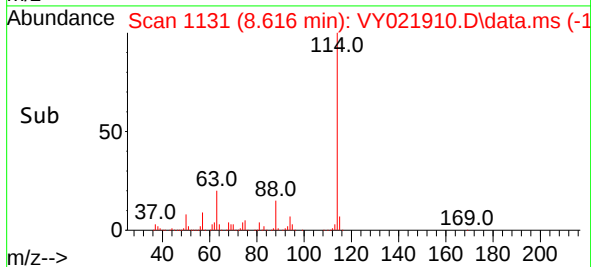
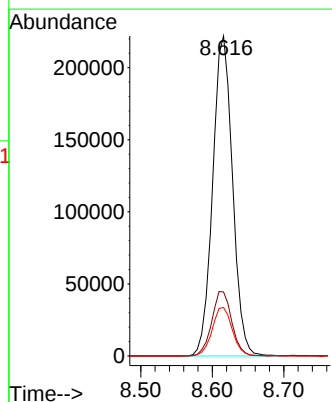
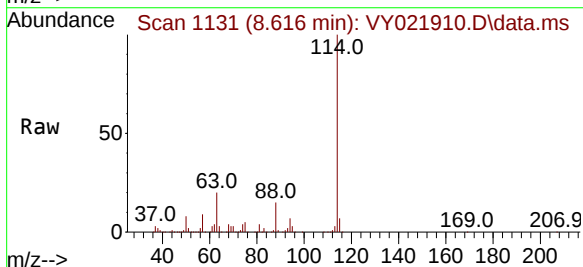
Tgt Ion: 114 Resp: 427743

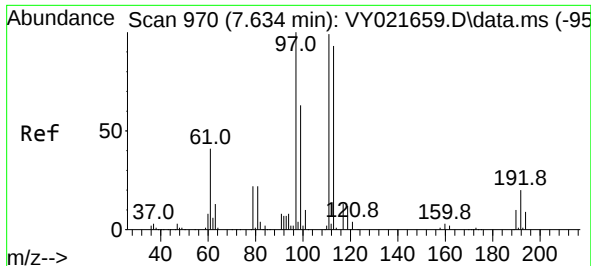
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 15.1 0.0 29.8

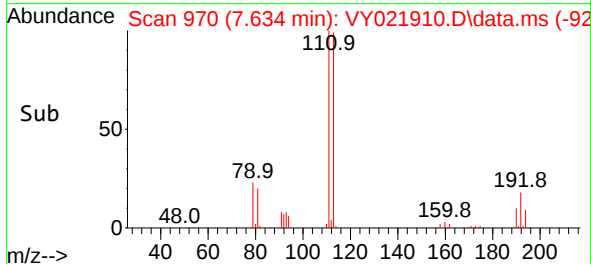
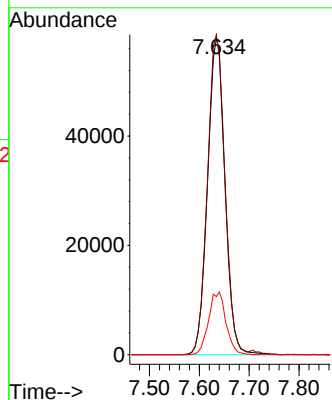
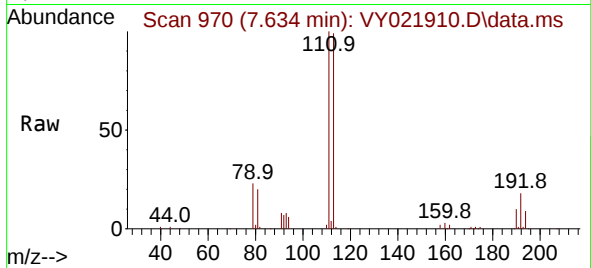




#35
Dibromofluoromethane
Concen: 50.737 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

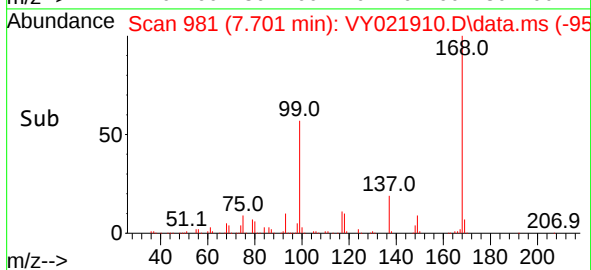
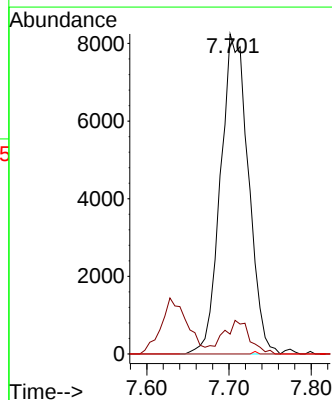
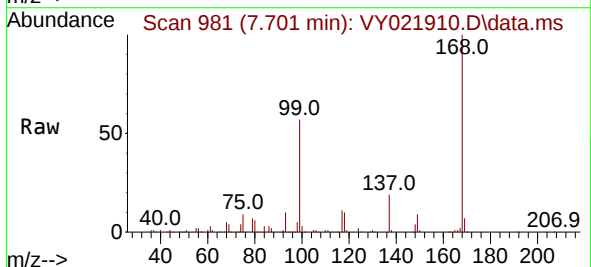
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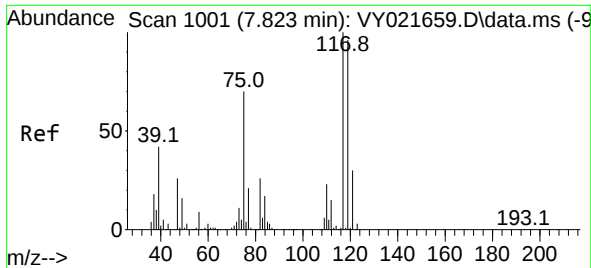
Tgt Ion:113 Resp: 140779
Ion Ratio Lower Upper
113 100
111 100.9 82.6 123.8
192 19.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.577 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

Tgt Ion: 75 Resp: 19344
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.8 37.2#

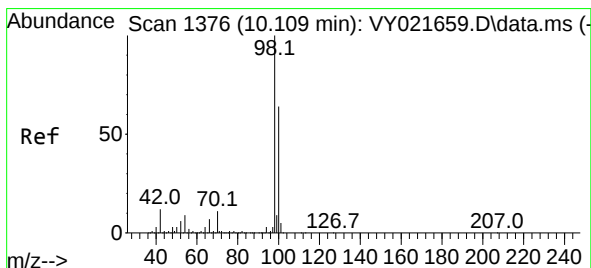
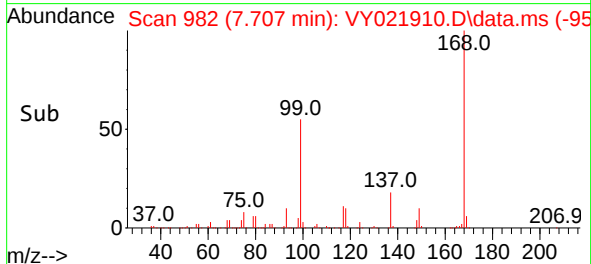
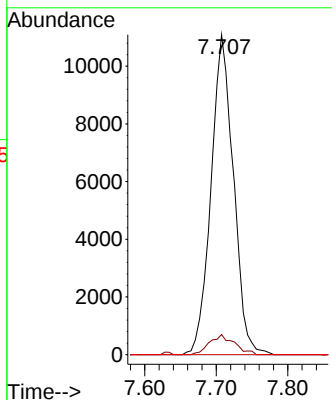
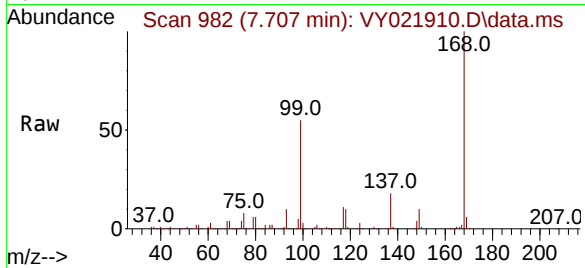




#38
Carbon Tetrachloride
Concen: 4.986 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

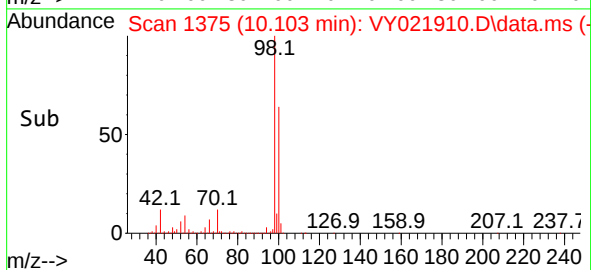
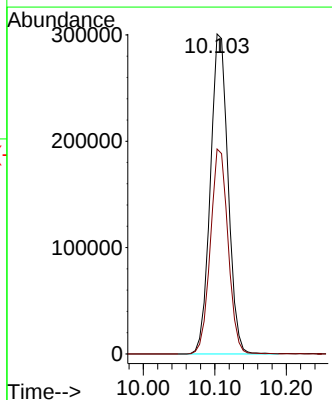
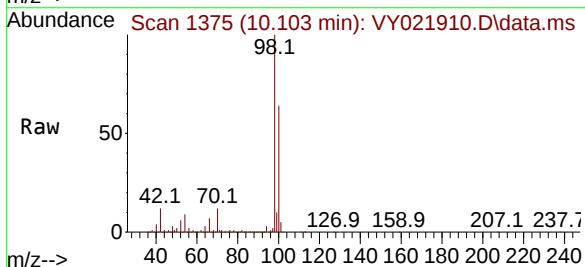
Instrument :
MSVOA_Y
ClientSampleId :
TP-11

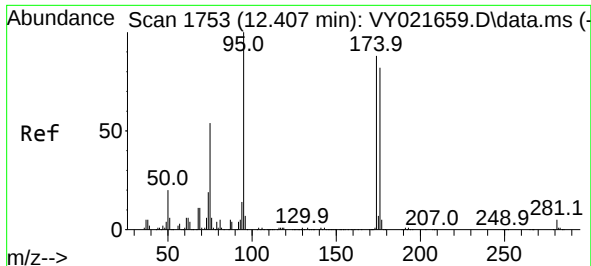
Tgt Ion:117 Resp: 24133
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.912 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

Tgt Ion: 98 Resp: 516309
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1

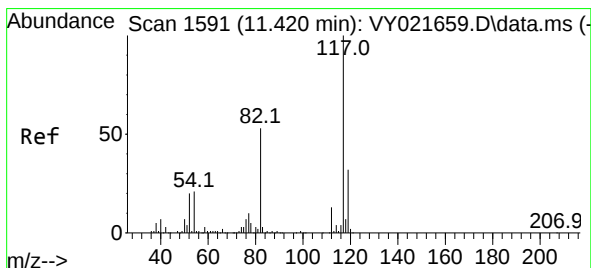
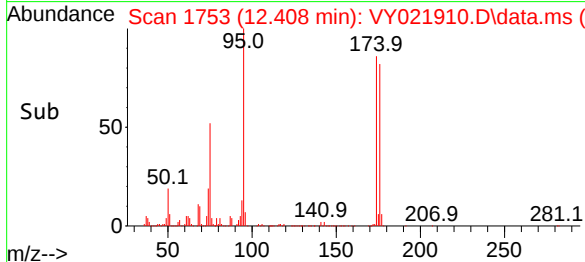
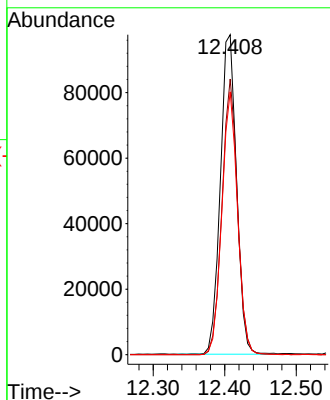
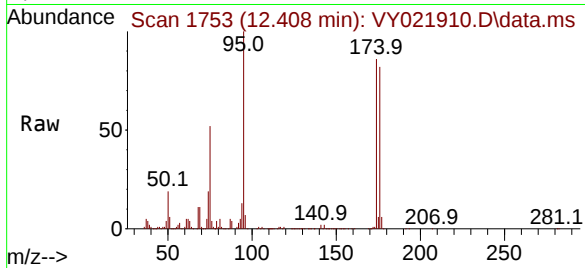




#62
4-Bromofluorobenzene
Concen: 42.966 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

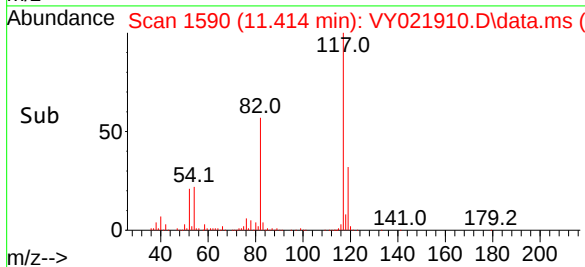
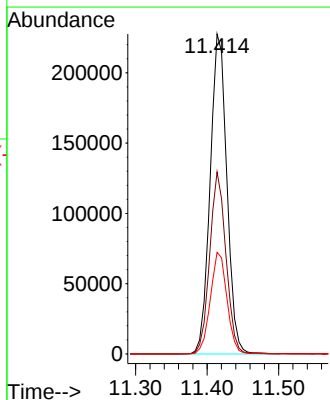
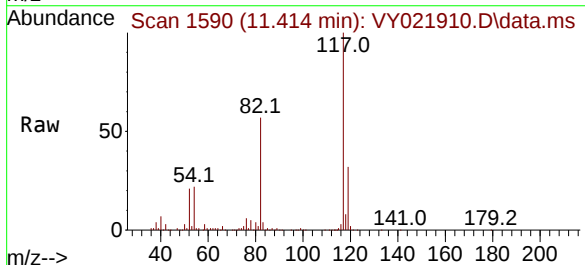
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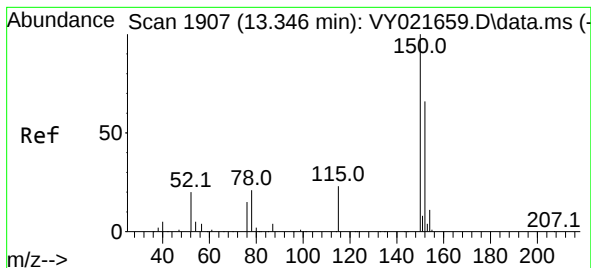
Tgt Ion: 95 Resp: 153409
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.8
176 79.6 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

Tgt Ion: 117 Resp: 369550
Ion Ratio Lower Upper
117 100
82 56.9 42.8 64.2
119 31.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021910.D

Acq: 17 Apr 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-11

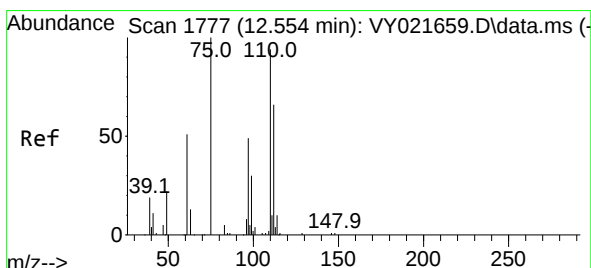
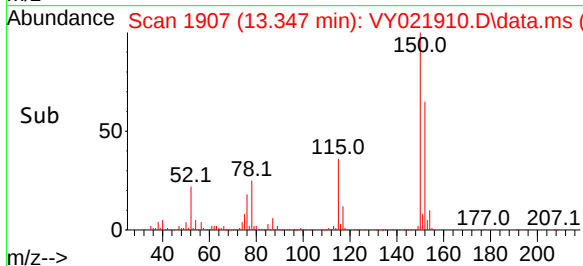
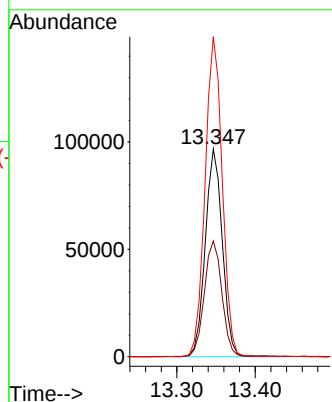
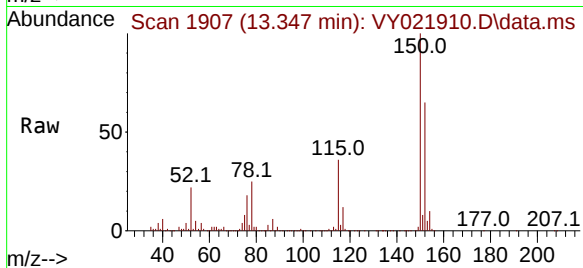
Tgt Ion:152 Resp: 146015

Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 155.0 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 55.934 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021910.D

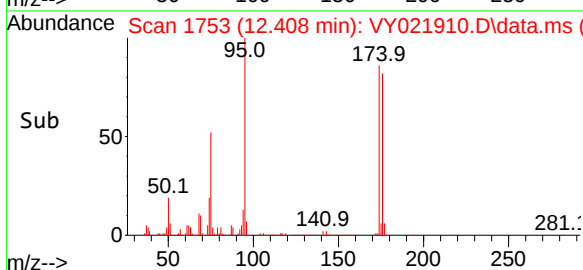
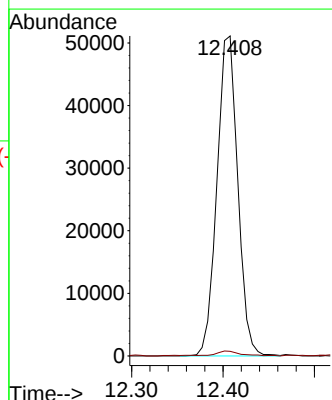
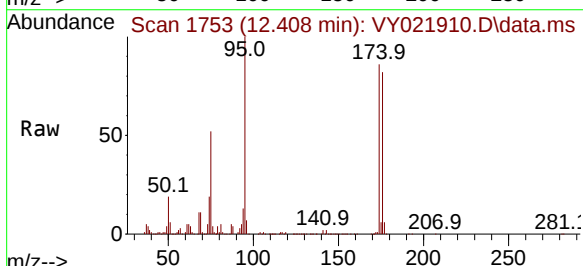
Acq: 17 Apr 2025 14:52

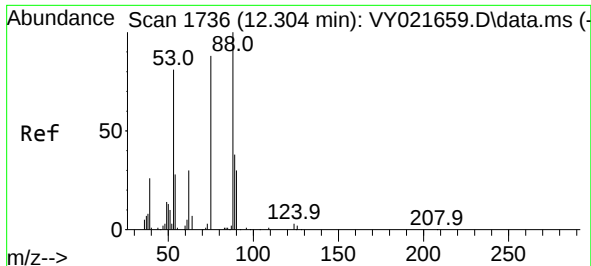
Tgt Ion: 75 Resp: 80958

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

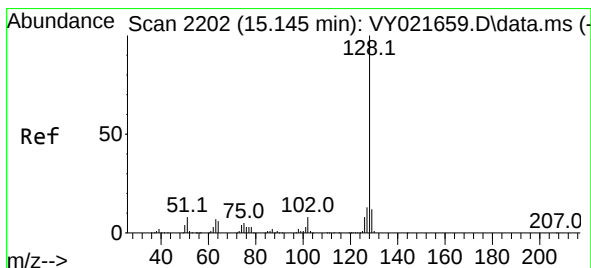
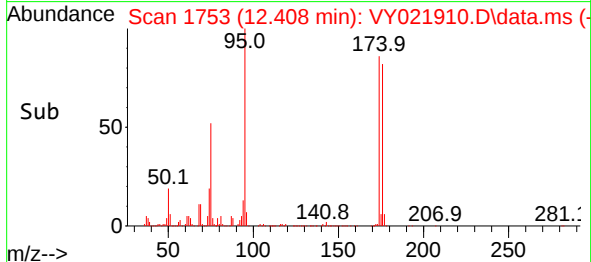
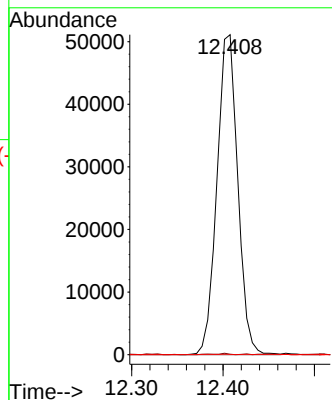
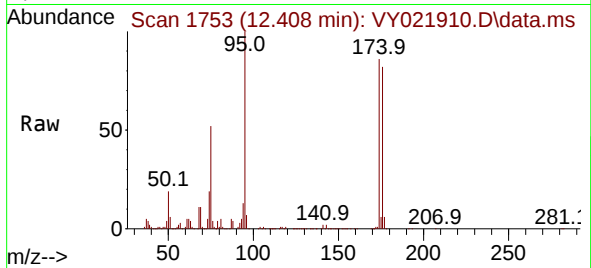




#81
trans-1,4-Dichloro-2-butene
Concen: 128.881 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

Instrument :
MSVOA_Y
ClientSampleId :
TP-11

Tgt Ion: 75 Resp: 80958
Ion Ratio Lower Upper
75 100
53 0.3 76.1 114.1#
89 0.0 36.2 54.4#



#95
Naphthalene
Concen: 2.545 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

Tgt Ion: 128 Resp: 10216
Ion Ratio Lower Upper
128 100
127 13.9 10.8 16.2
129 13.1 8.8 13.2

