

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021912.D
 Acq On : 17 Apr 2025 15:39
 Operator : SY/MD
 Sample : Q1828-01
 Misc : 4.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT4643

Quant Time: Apr 18 04:00:19 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)

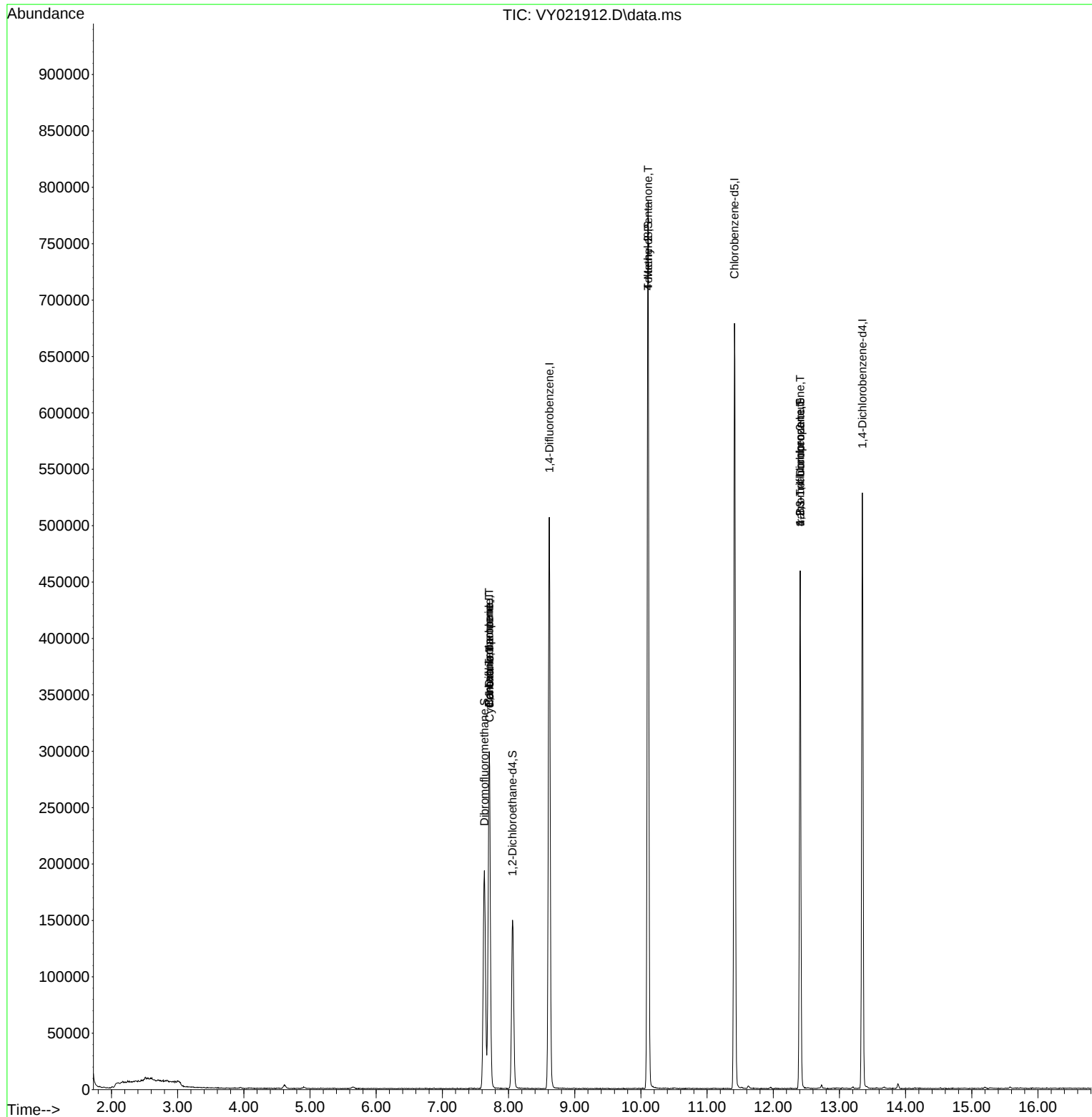
Internal Standards						
1) Pentafluorobenzene	7.707	168	225571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	421901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	354508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119278	48.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.600%		
35) Dibromofluoromethane	7.634	113	136161	49.752	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.500%		
50) Toluene-d8	10.109	98	498529	47.882	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.760%		
62) 4-Bromofluorobenzene	12.407	95	135651	38.519	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	77.040%		
Target Compounds						
20) Methylene Chloride	4.616	84	1917	Below Cal	#	73
31) Cyclohexane	7.713	56	5163	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18224	4.372	ug/l #	52
38) Carbon Tetrachloride	7.707	117	23371	4.895	ug/l #	18
51) 4-Methyl-2-Pentanone	10.109	43	2262	1.166	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	71069	55.739	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	71069	128.432	ug/l #	12

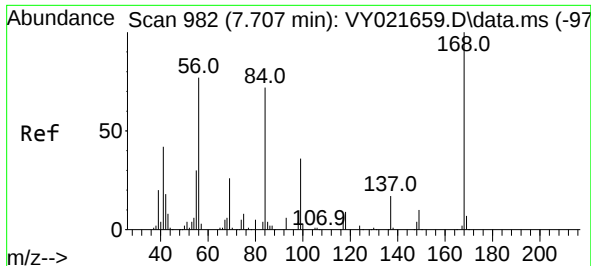
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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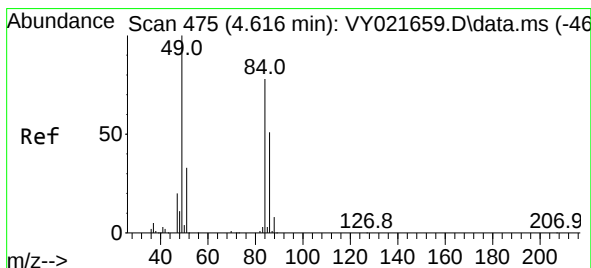
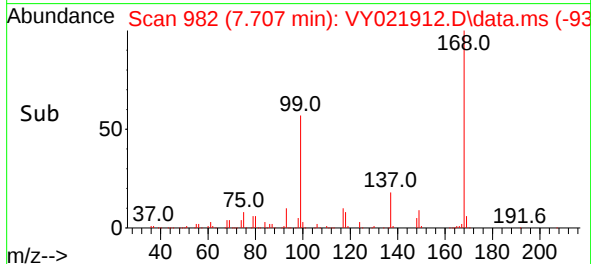
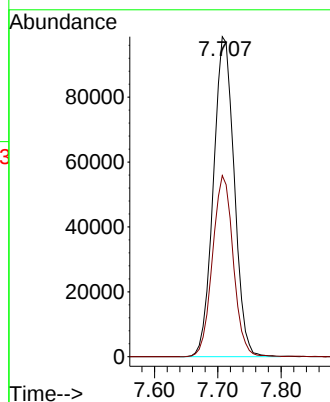
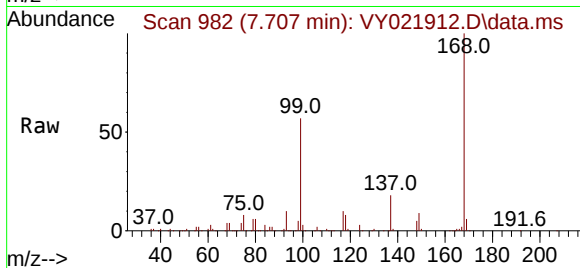




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

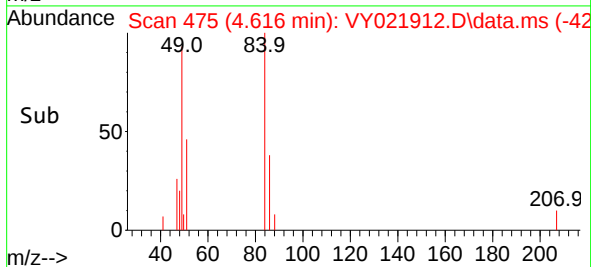
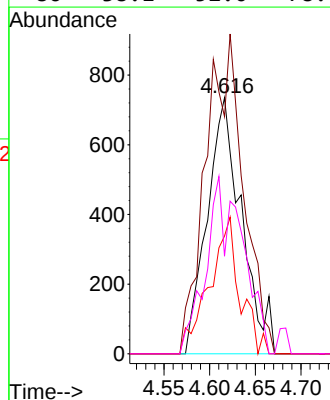
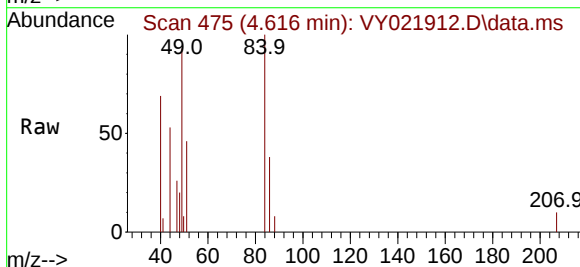
Instrument :
MSVOA_Y
ClientSampleId :
RT4643

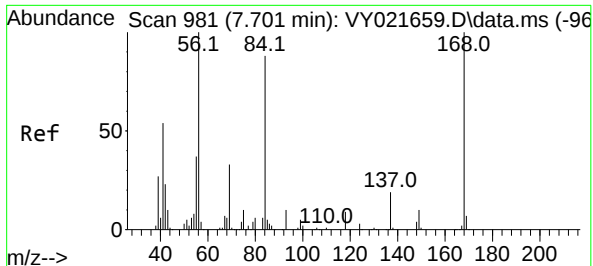
Tgt Ion:168 Resp: 225571
Ion Ratio Lower Upper
168 100
99 56.6 46.7 70.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

Tgt Ion: 84 Resp: 1917
Ion Ratio Lower Upper
84 100
49 92.7 102.8 154.2#
51 46.0 33.5 50.3
86 38.1 52.0 78.0#

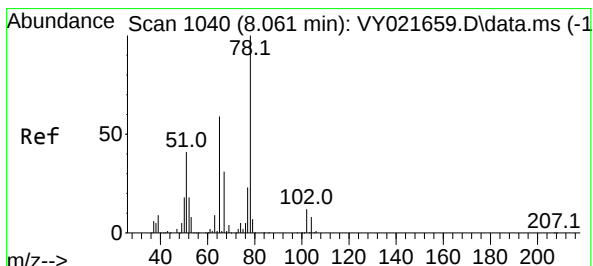
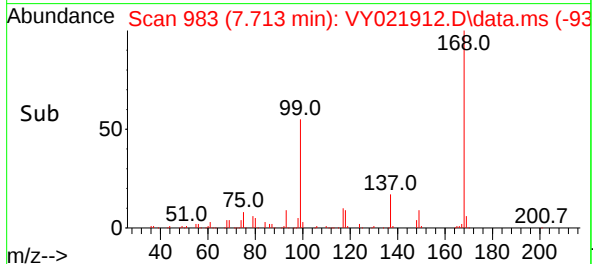
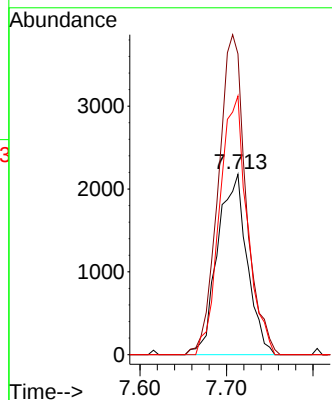
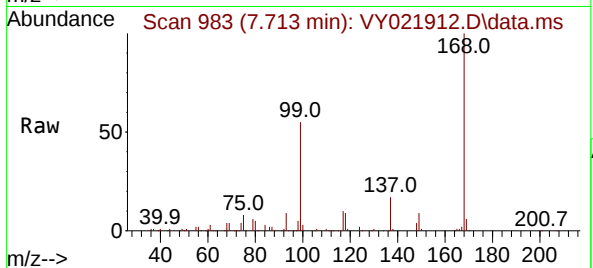




#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

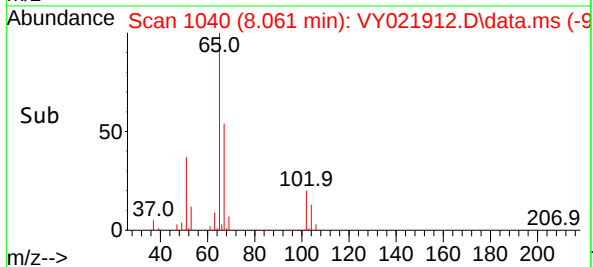
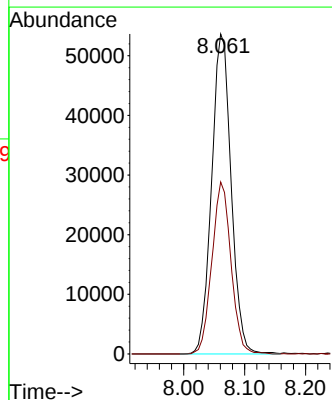
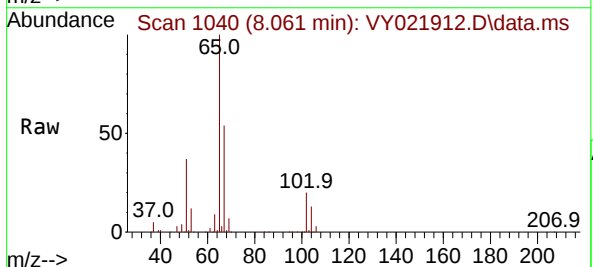
Instrument :
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ClientSampleId :
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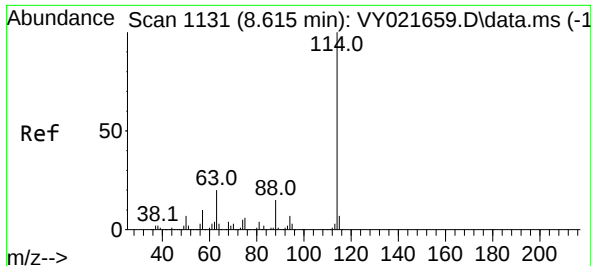
Tgt Ion: 56 Resp: 5163
Ion Ratio Lower Upper
56 100
69 166.8 26.6 40.0#
84 143.5 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 48.805 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

Tgt Ion: 65 Resp: 119278
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021912.D

Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_Y

ClientSampleId :

RT4643

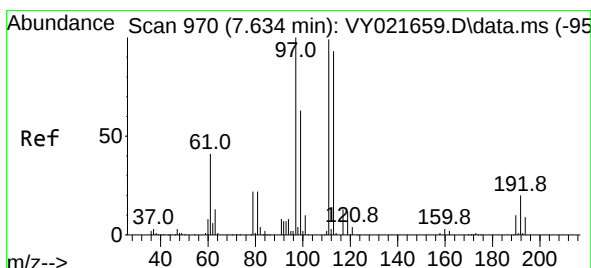
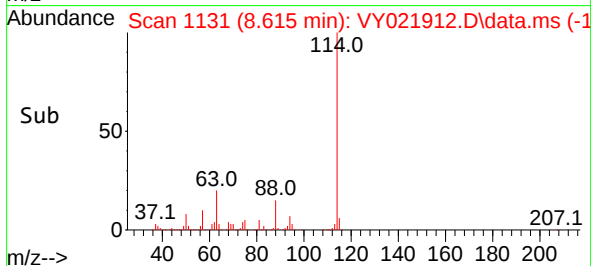
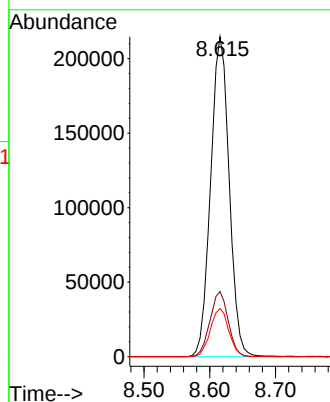
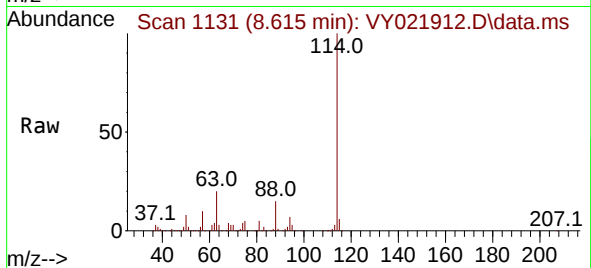
Tgt Ion:114 Resp: 421901

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 49.752 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021912.D

Acq: 17 Apr 2025 15:39

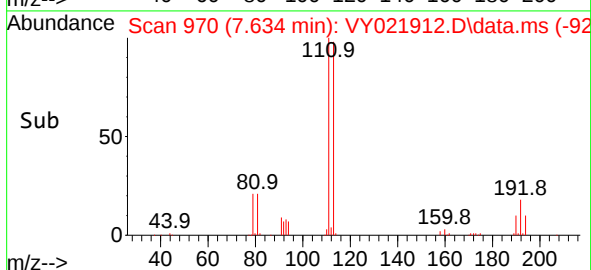
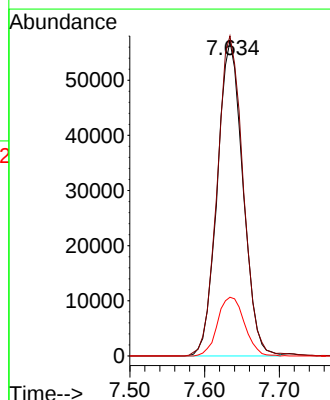
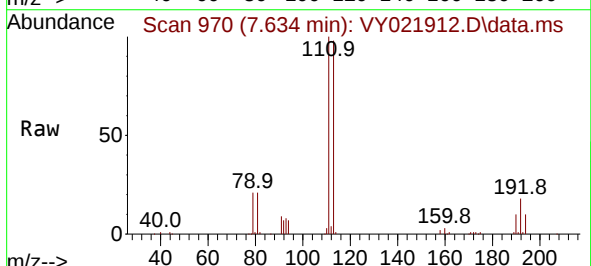
Tgt Ion:113 Resp: 136161

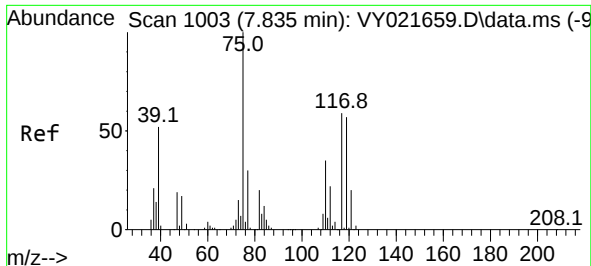
Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 19.6 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.372 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021912.D

Acq: 17 Apr 2025 15:39

Instrument :

MSVOA_Y

ClientSampleId :

RT4643

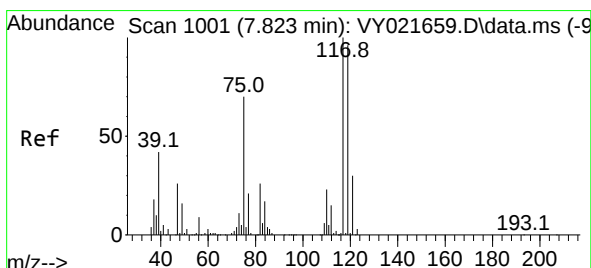
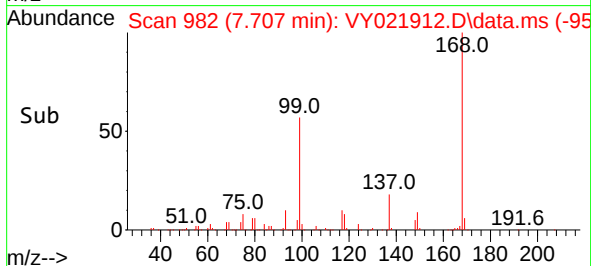
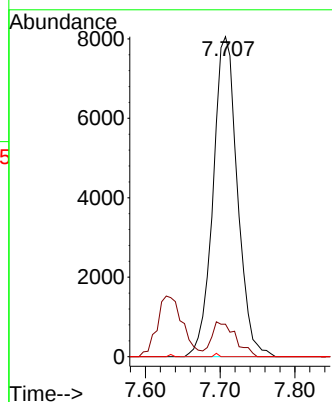
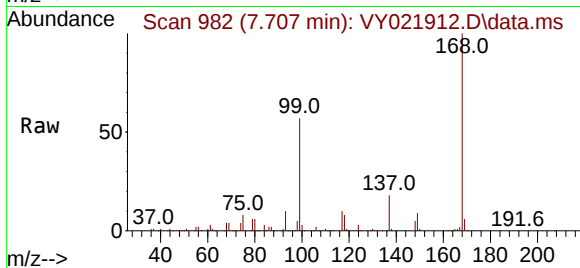
Tgt Ion: 75 Resp: 18224

Ion Ratio Lower Upper

75 100

110 10.6 17.0 50.9#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.895 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021912.D

Acq: 17 Apr 2025 15:39

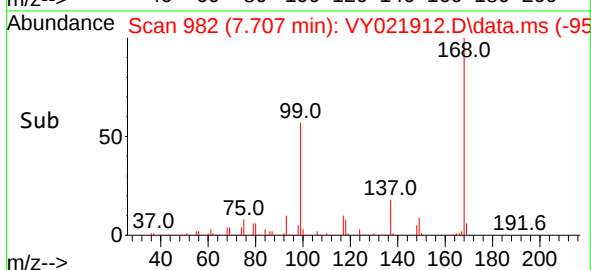
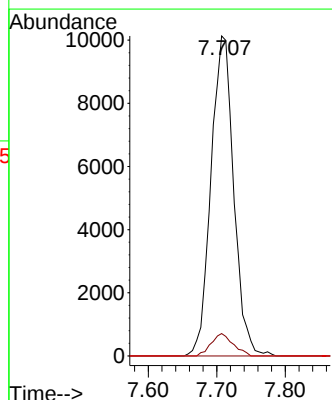
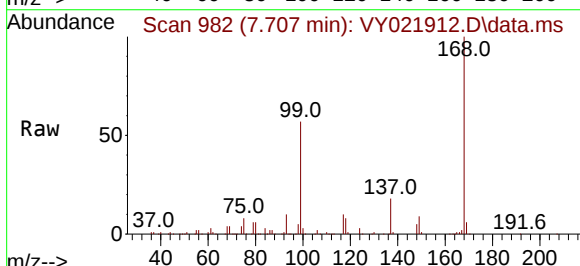
Tgt Ion: 117 Resp: 23371

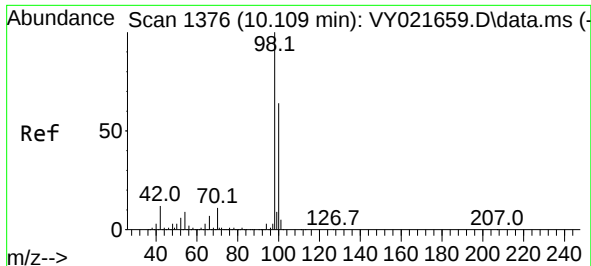
Ion Ratio Lower Upper

117 100

119 7.0 76.2 114.4#

121 0.0 24.2 36.4#

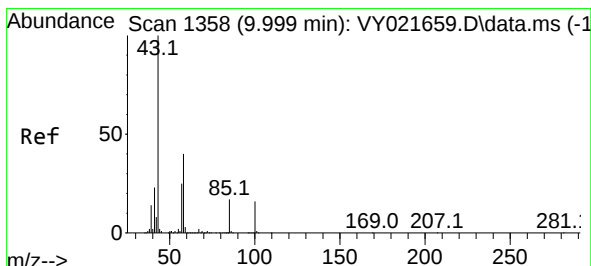
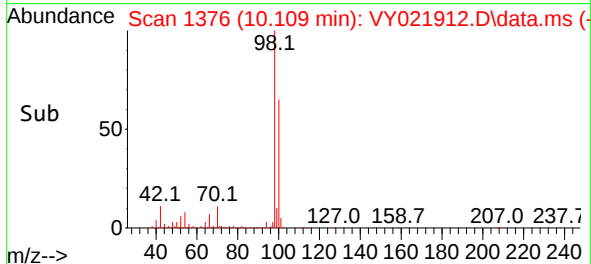
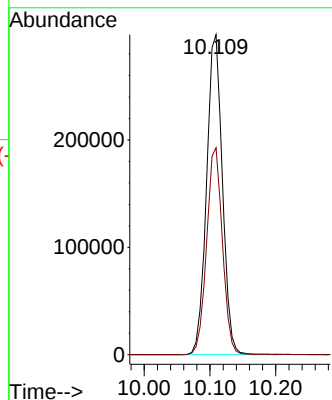
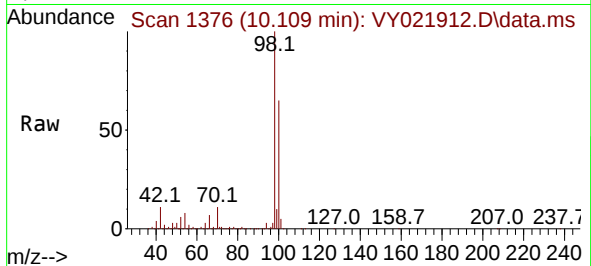




#50
Toluene-d8
Concen: 47.882 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

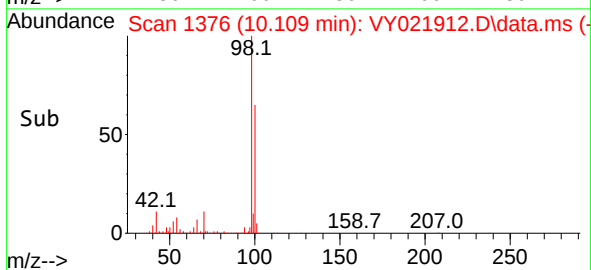
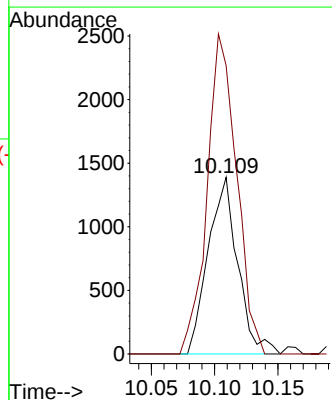
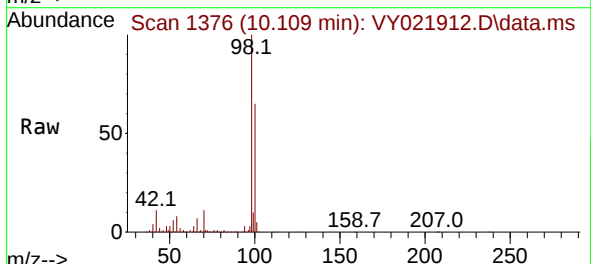
Instrument :
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ClientSampleId :
RT4643

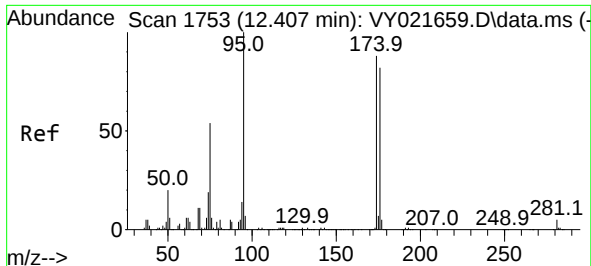
Tgt Ion: 98 Resp: 498529
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.166 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

Tgt Ion: 43 Resp: 2262
Ion Ratio Lower Upper
43 100
58 180.2 31.5 47.3

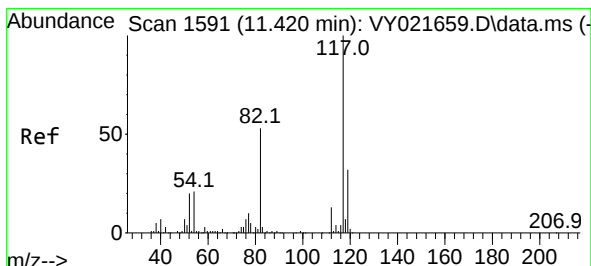
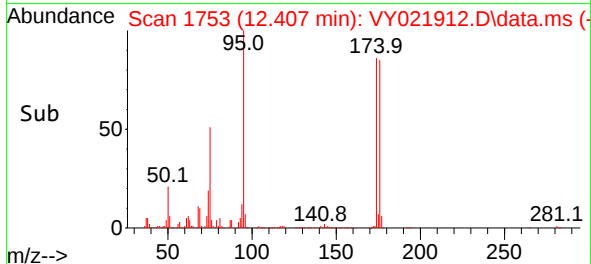
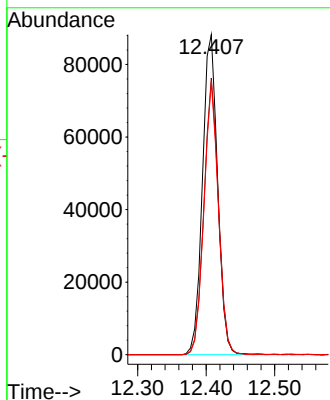
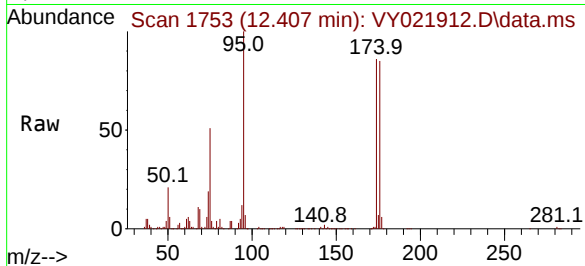




#62
4-Bromofluorobenzene
Concen: 38.519 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

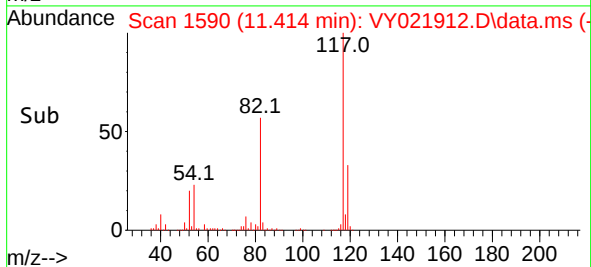
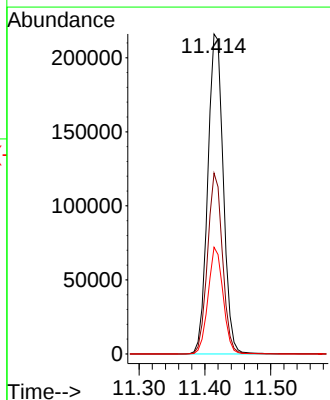
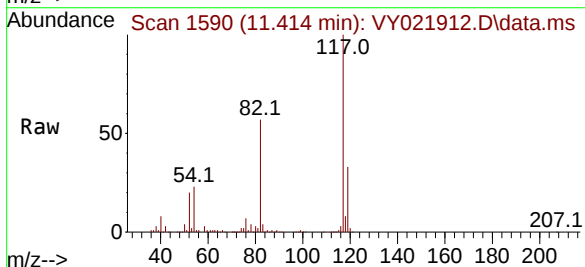
Instrument :
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RT4643

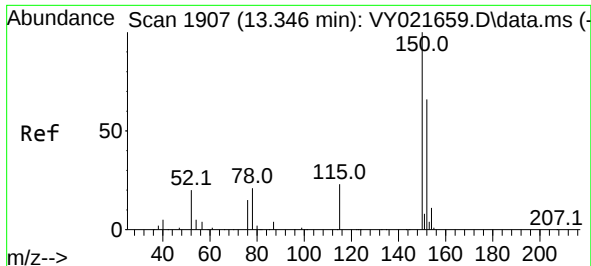
Tgt Ion: 95 Resp: 135651
Ion Ratio Lower Upper
95 100
174 83.5 0.0 170.8
176 81.0 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

Tgt Ion: 117 Resp: 354508
Ion Ratio Lower Upper
117 100
82 56.5 42.8 64.2
119 33.3 25.7 38.5

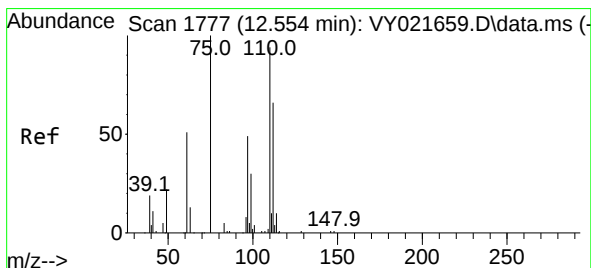
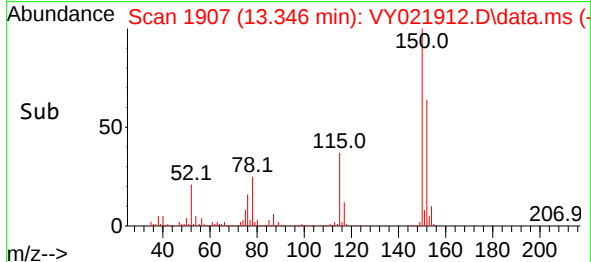
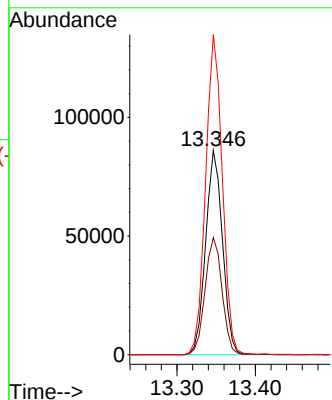
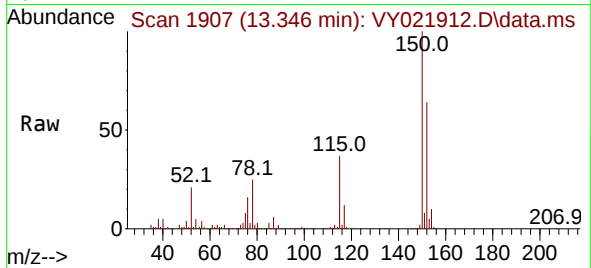




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021912.D
 Acq: 17 Apr 2025 15:39

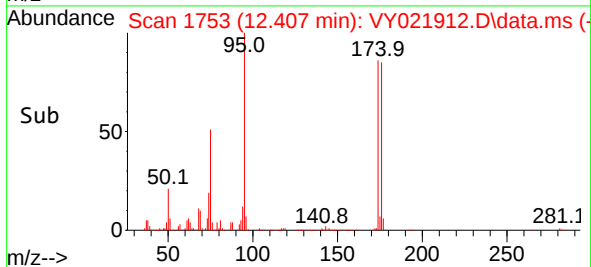
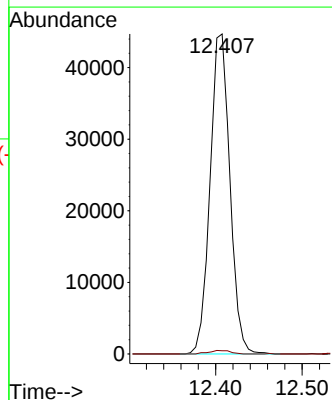
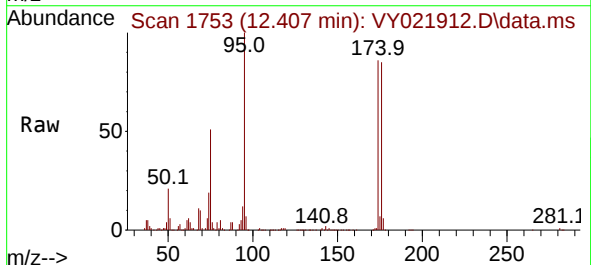
Instrument :
 MSVOA_Y
 ClientSampleId :
 RT4643

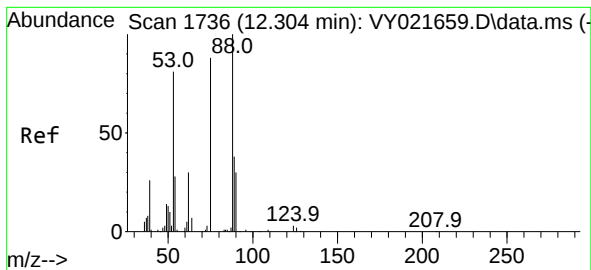
Tgt Ion:152 Resp: 128628
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.8 86.5
 150 154.7 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 55.739 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021912.D
 Acq: 17 Apr 2025 15:39

Tgt Ion: 75 Resp: 71069
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.432 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021912.D
 Acq: 17 Apr 2025 15:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT4643

Tgt Ion: 75 Resp: 71069
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.0 36.2 54.4#

