

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021913.D
 Acq On : 17 Apr 2025 16:02
 Operator : SY/MD
 Sample : Q1828-03
 Misc : 3.36g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT5417

Quant Time: Apr 18 04:00:43 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)

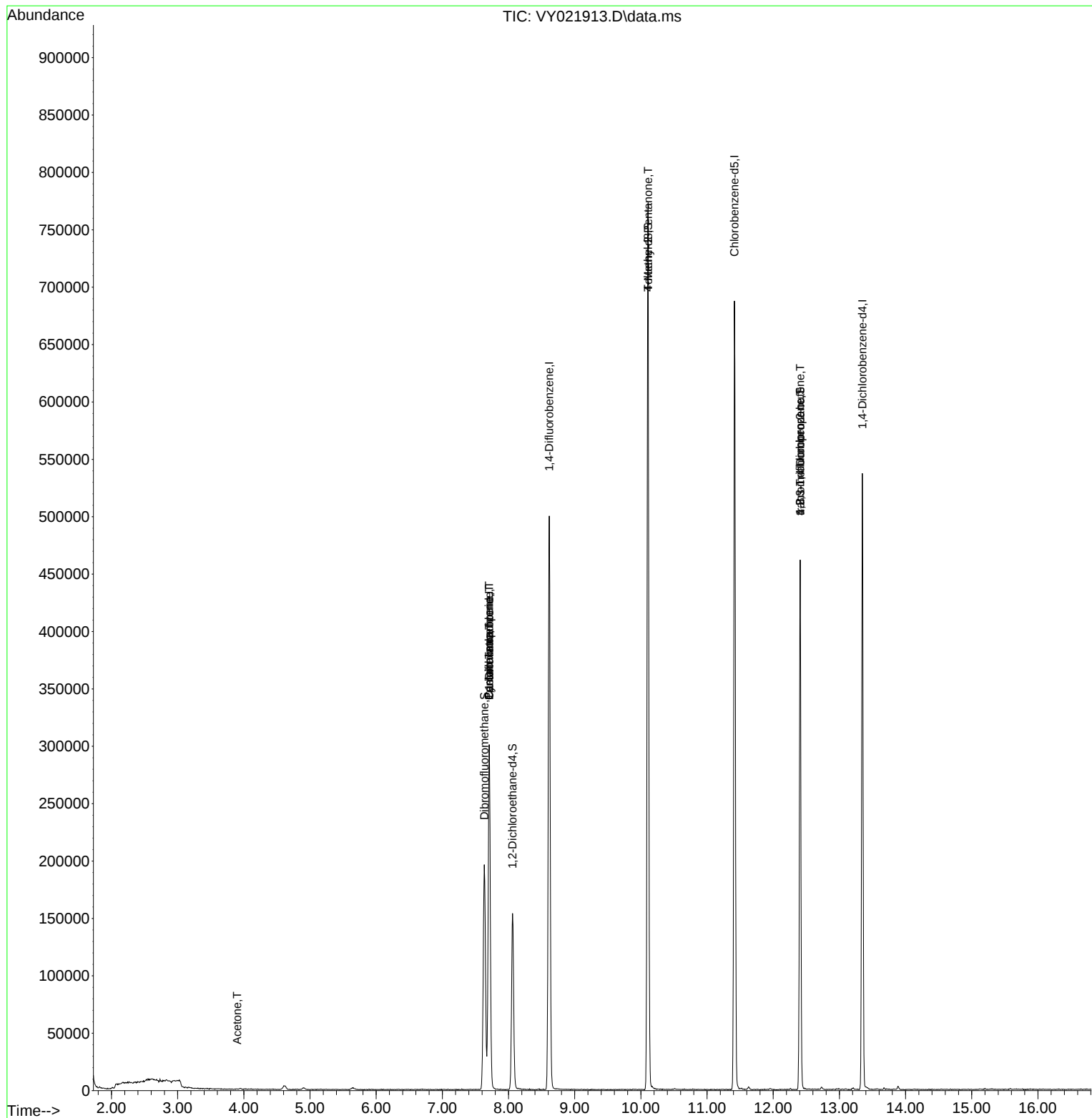
Internal Standards						
1) Pentafluorobenzene	7.707	168	222968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	419226	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	351747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	129612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122115	50.549	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.100%
35) Dibromofluoromethane	7.634	113	136045	50.027	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.060%
50) Toluene-d8	10.109	98	497998	48.136	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.280%
62) 4-Bromofluorobenzene	12.408	95	133345	38.105	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.220%
Target Compounds						
					Qvalue	
16) Acetone	3.897	43	535	1.082	ug/l #	44
20) Methylene Chloride	4.616	84	2642	Below Cal	#	82
31) Cyclohexane	7.707	56	4985	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18552	4.479	ug/l #	50
38) Carbon Tetrachloride	7.707	117	22674	4.779	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2444	1.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	70493	54.867	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	70493	126.424	ug/l #	12

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

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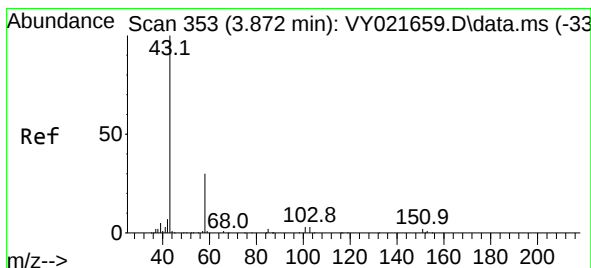
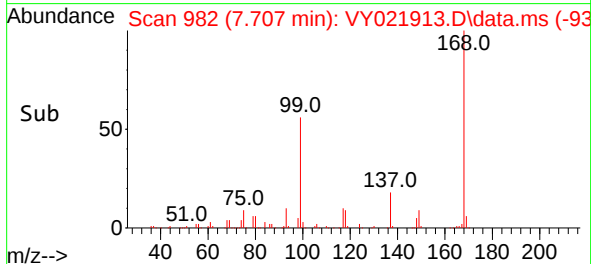
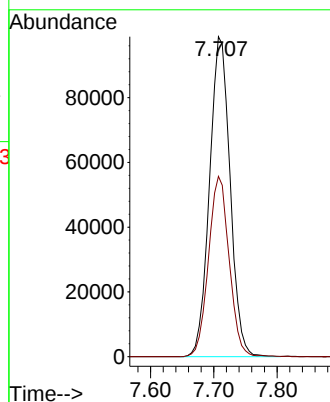
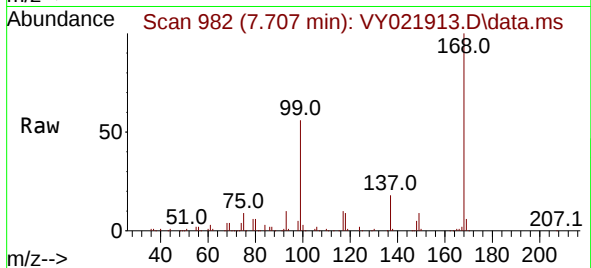




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021913.D
Acq: 17 Apr 2025 16:02

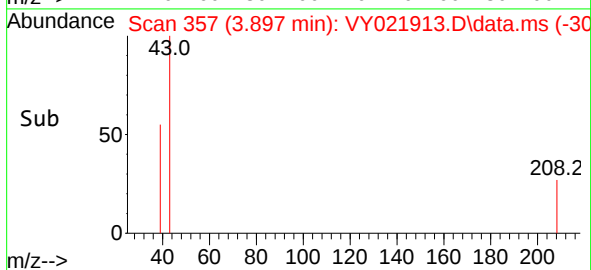
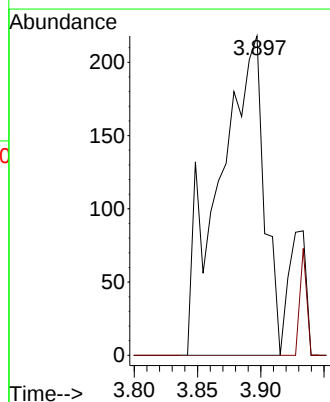
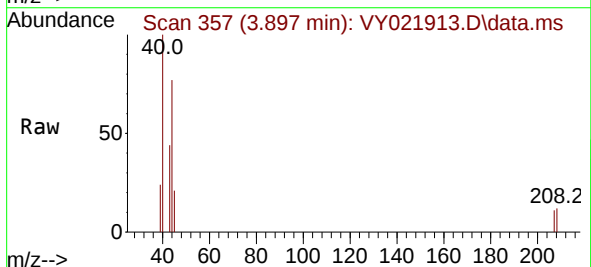
Instrument :
MSVOA_Y
ClientSampleId :
RT5417

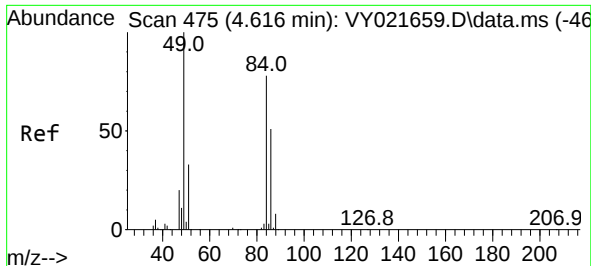
Tgt Ion:168 Resp: 222968
Ion Ratio Lower Upper
168 100
99 56.4 46.7 70.1



#16
Acetone
Concen: 1.082 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.025 min
Lab File: VY021913.D
Acq: 17 Apr 2025 16:02

Tgt Ion: 43 Resp: 535
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#

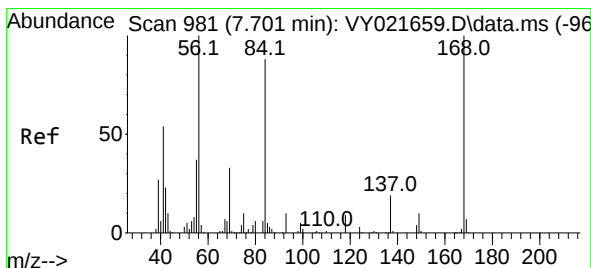
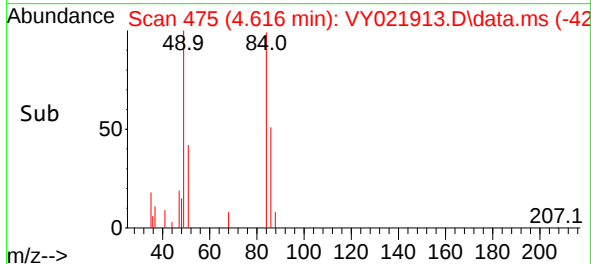
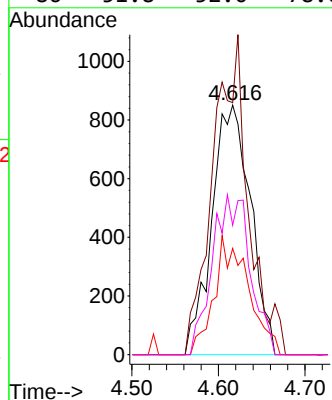
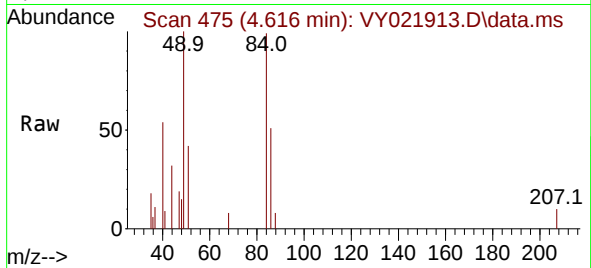




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021913.D
Acq: 17 Apr 2025 16:02

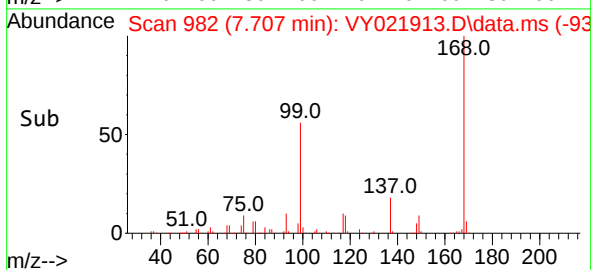
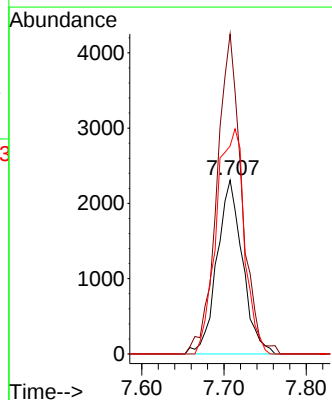
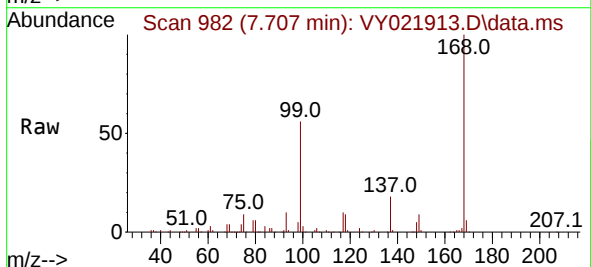
Instrument :
MSVOA_Y
ClientSampleId :
RT5417

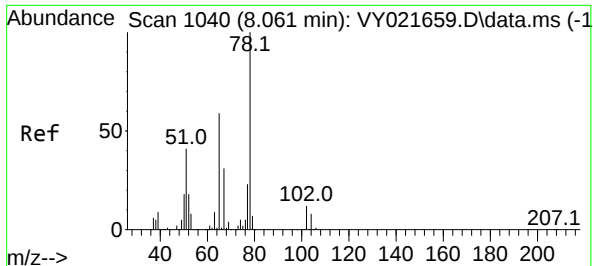
Tgt Ion:	84	Resp:	2642
Ion	Ratio	Lower	Upper
84	100		
49	100.9	102.8	154.2#
51	42.5	33.5	50.3
86	51.8	52.0	78.0#



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021913.D
Acq: 17 Apr 2025 16:02

Tgt Ion:	56	Resp:	4985
Ion	Ratio	Lower	Upper
56	100		
69	184.1	26.6	40.0#
84	119.7	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 50.549 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY021913.D

Acq: 17 Apr 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

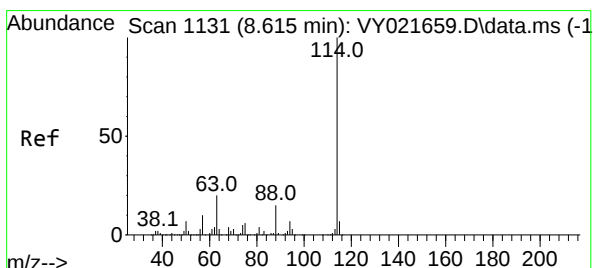
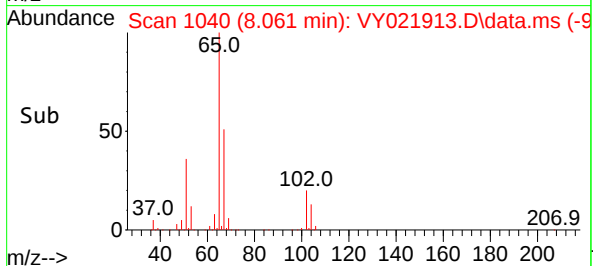
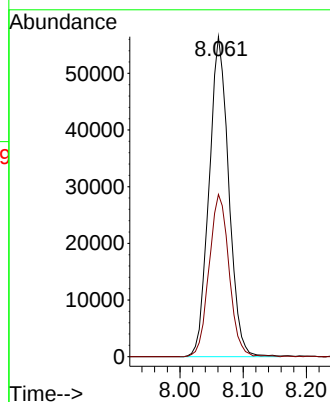
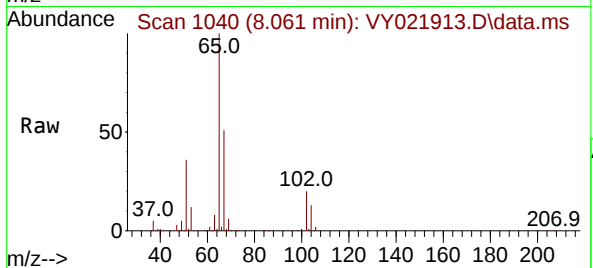
RT5417

Tgt Ion: 65 Resp: 122115

Ion Ratio Lower Upper

65 100

67 51.5 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: VY021913.D

Acq: 17 Apr 2025 16:02

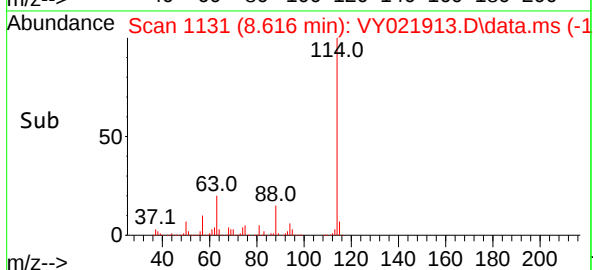
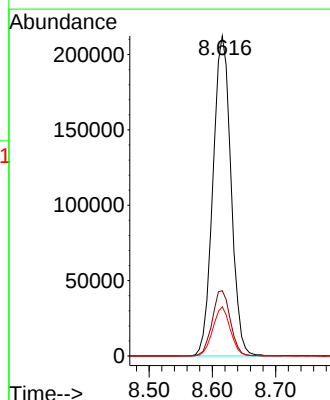
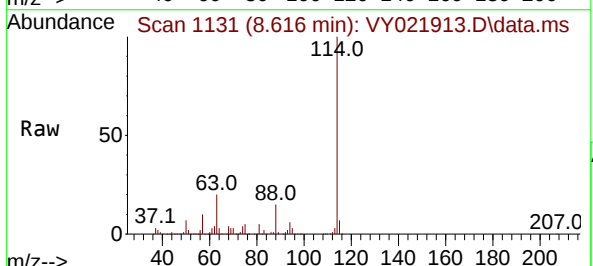
Tgt Ion: 114 Resp: 419226

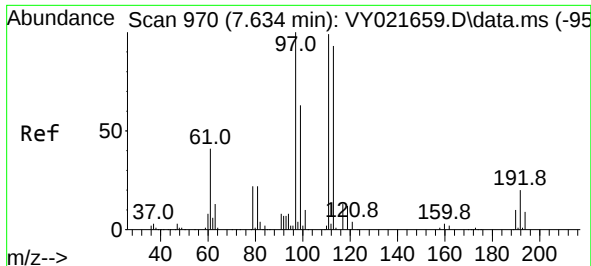
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.4 0.0 29.8

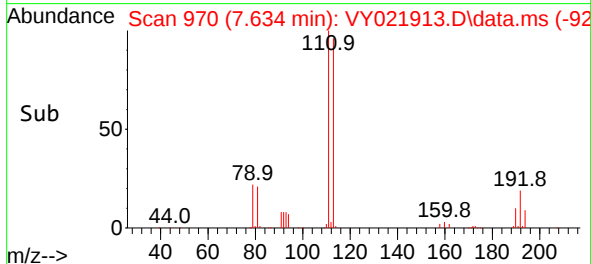
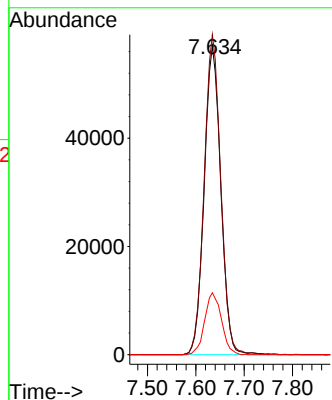
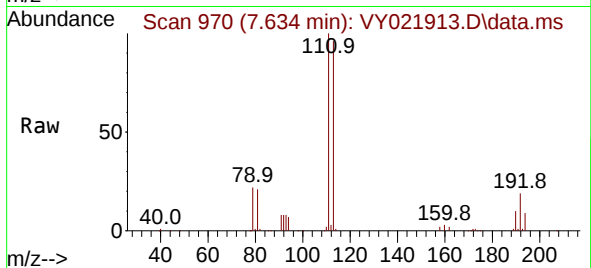




#35
Dibromofluoromethane
Concen: 50.027 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021913.D
Acq: 17 Apr 2025 16:02

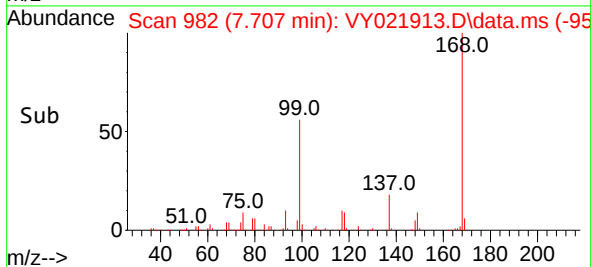
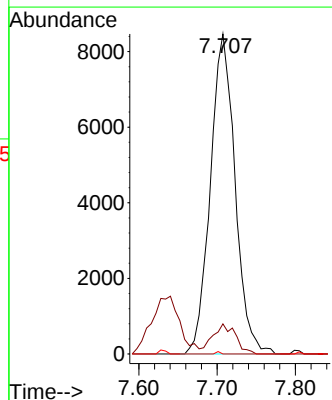
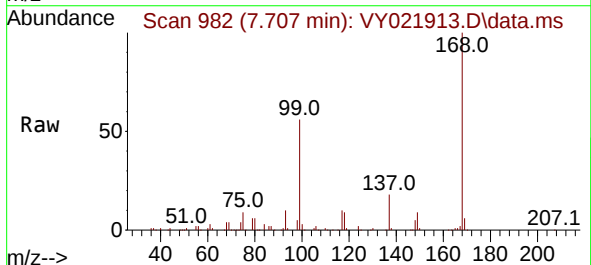
Instrument :
MSVOA_Y
ClientSampleId :
RT5417

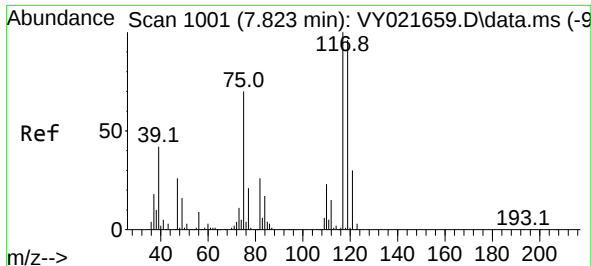
Tgt Ion:113 Resp: 136045
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 20.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.479 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021913.D
Acq: 17 Apr 2025 16:02

Tgt Ion: 75 Resp: 18552
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.1 24.8 37.2#

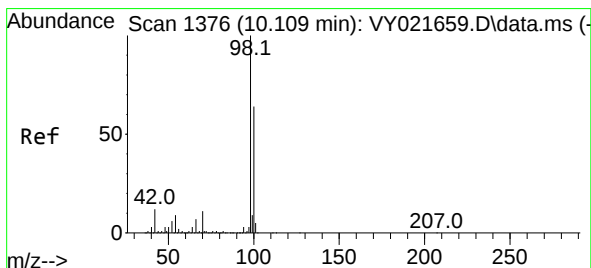
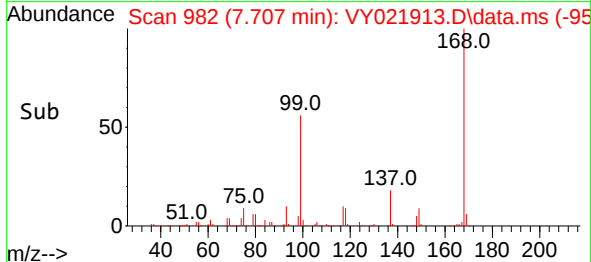
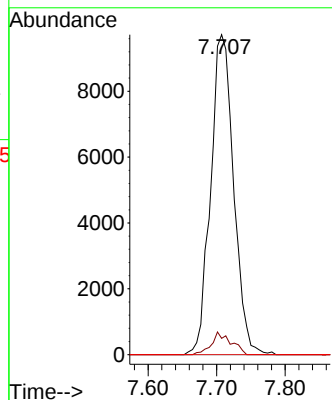
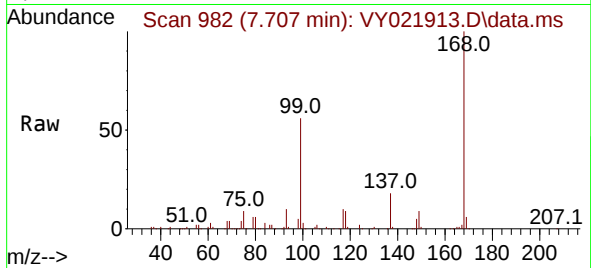




#38
Carbon Tetrachloride
Concen: 4.779 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021913.D
Acq: 17 Apr 2025 16:02

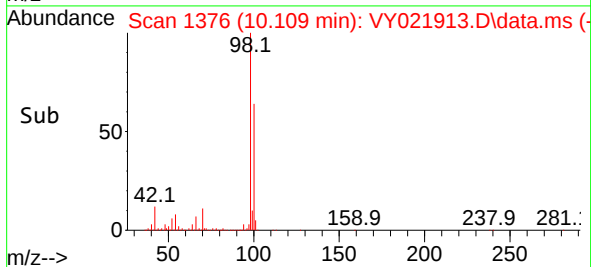
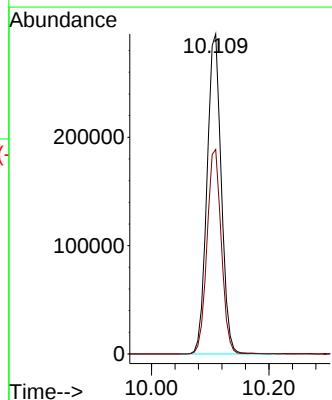
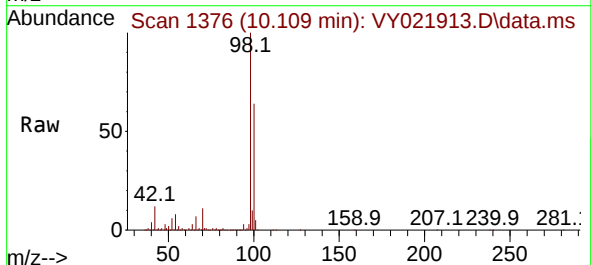
Instrument :
MSVOA_Y
ClientSampleId :
RT5417

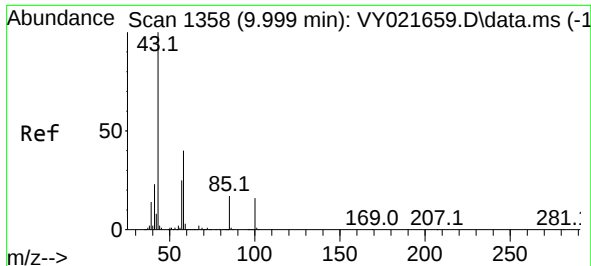
Tgt Ion:117 Resp: 22674
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.136 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021913.D
Acq: 17 Apr 2025 16:02

Tgt Ion: 98 Resp: 497998
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.268 ug/l

RT: 10.109 min Scan# 1358

Delta R.T. 0.110 min

Lab File: VY021913.D

Acq: 17 Apr 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

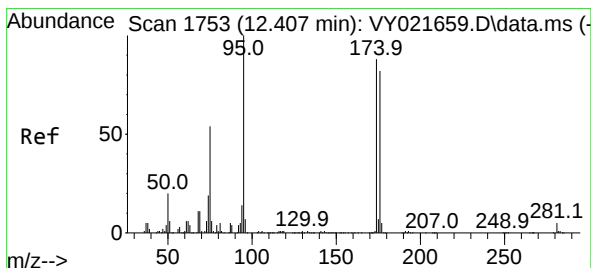
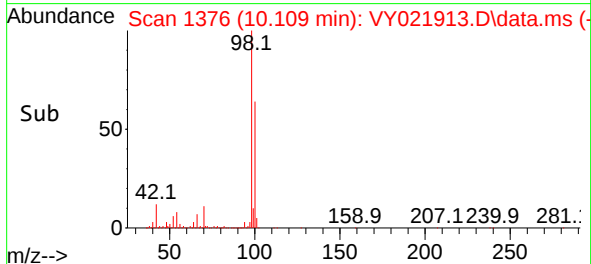
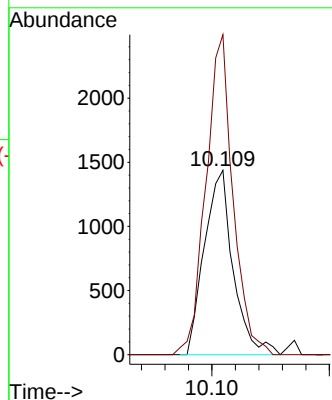
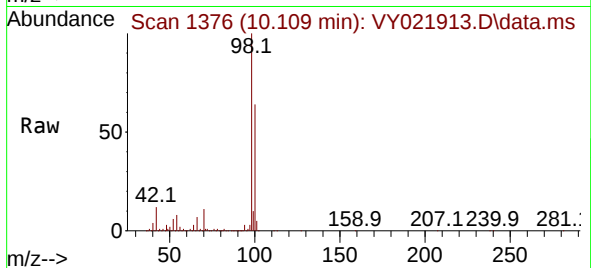
RT5417

Tgt Ion: 43 Resp: 2444

Ion Ratio Lower Upper

43 100

58 163.3 31.5 47.3#



#62

4-Bromofluorobenzene

Concen: 38.105 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021913.D

Acq: 17 Apr 2025 16:02

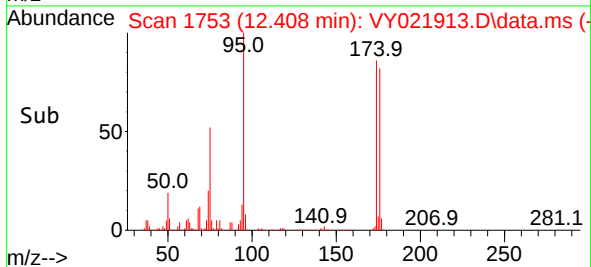
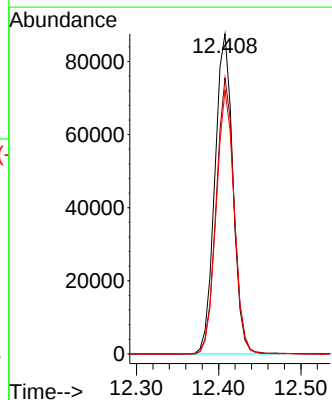
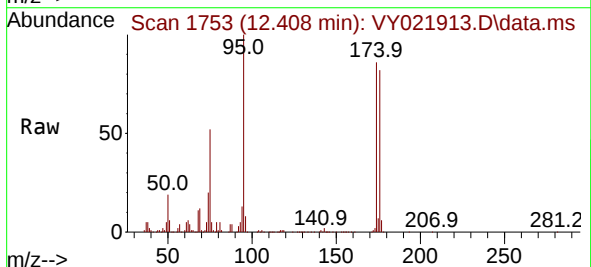
Tgt Ion: 95 Resp: 133345

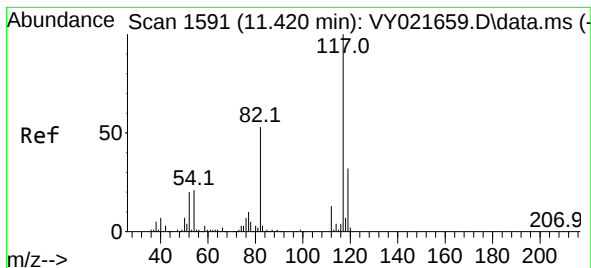
Ion Ratio Lower Upper

95 100

174 85.2 0.0 170.8

176 81.8 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021913.D

Acq: 17 Apr 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

RT5417

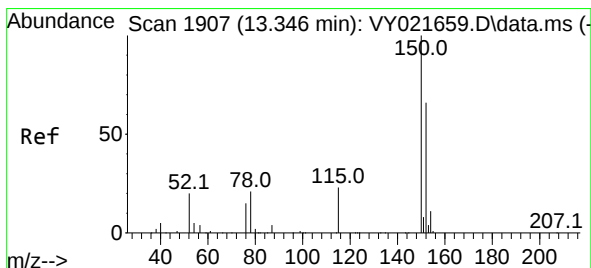
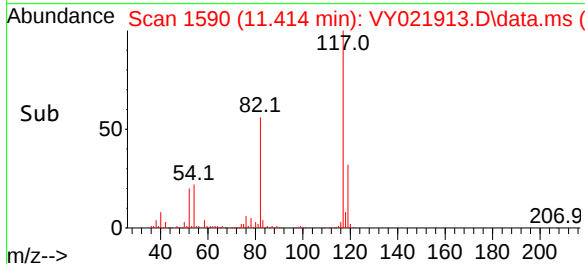
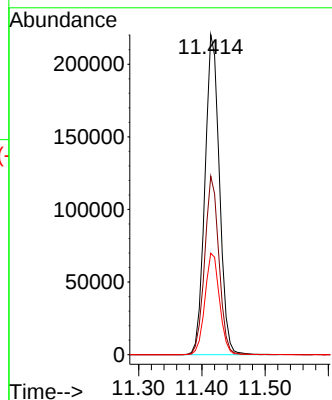
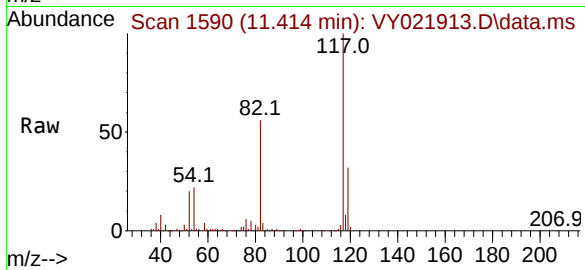
Tgt Ion:117 Resp: 351747

Ion Ratio Lower Upper

117 100

82 55.8 42.8 64.2

119 31.7 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: VY021913.D

Acq: 17 Apr 2025 16:02

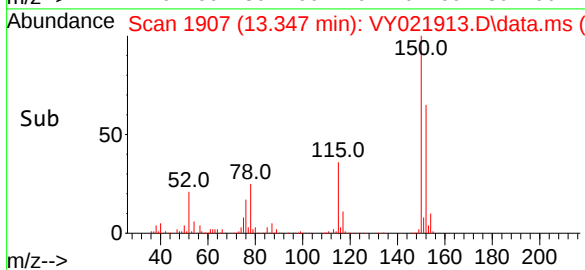
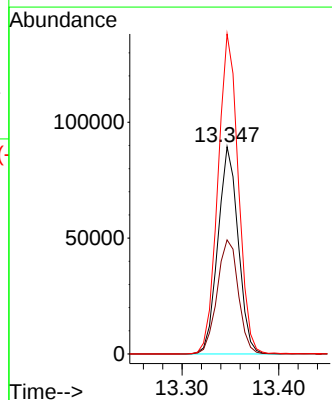
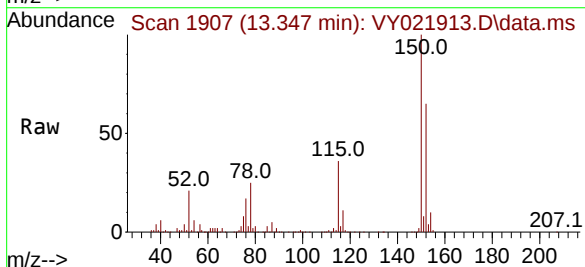
Tgt Ion:152 Resp: 129612

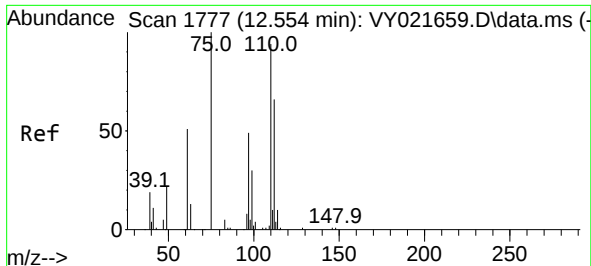
Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 155.9 0.0 348.4

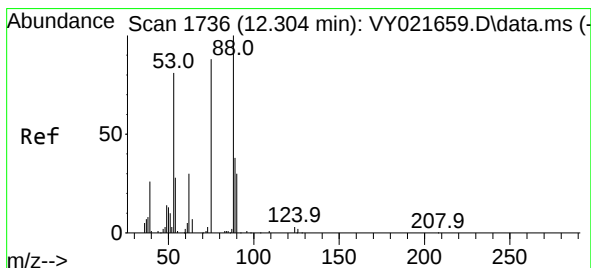
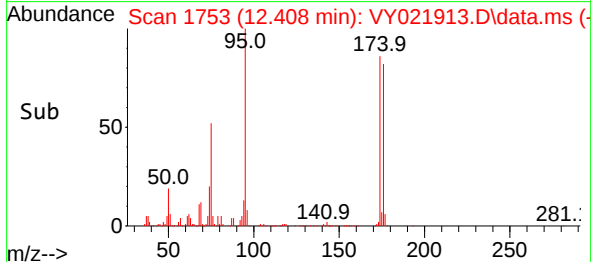
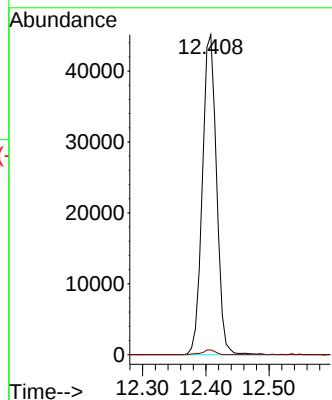
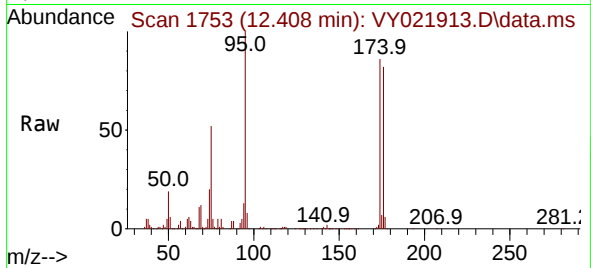




#76
1,2,3-Trichloropropane
Concen: 54.867 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021913.D
Acq: 17 Apr 2025 16:02

Instrument :
MSVOA_Y
ClientSampleId :
RT5417

Tgt Ion: 75 Resp: 70493
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.424 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021913.D
Acq: 17 Apr 2025 16:02

Tgt Ion: 75 Resp: 70493
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.1 36.2 54.4#

