

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
 Data File : VY021092.D
 Acq On : 05 Feb 2025 16:35
 Operator : SY/MD
 Sample : Q1241-01
 Misc : 6.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 06 00:56:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

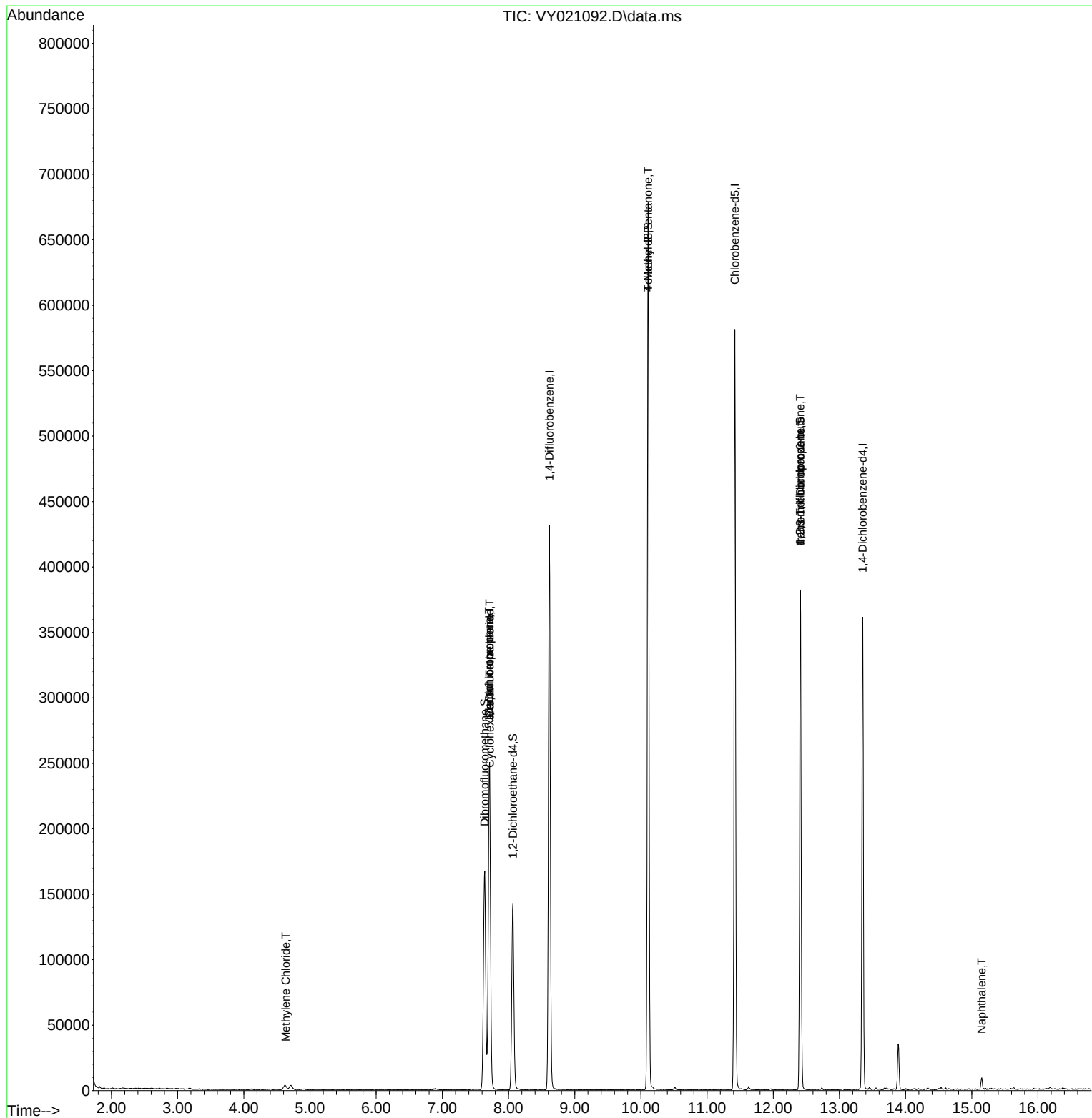
Internal Standards						
1) Pentafluorobenzene	7.713	168	193458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	355898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	296013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	91291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113600	57.312	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.620%
35) Dibromofluoromethane	7.640	113	118198	51.822	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.640%
50) Toluene-d8	10.109	98	424465	48.883	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.760%
62) 4-Bromofluorobenzene	12.407	95	111199	39.199	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.400%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.634	84	2565	1.335	ug/l	95
31) Cyclohexane	7.719	56	4332	1.281	ug/l #	38
36) 1,1-Dichloropropene	7.707	75	15325	4.536	ug/l #	51
38) Carbon Tetrachloride	7.713	117	19983	5.062	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2016	1.361	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	61452	74.206	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	61452	151.417	ug/l #	13
95) Naphthalene	15.151	128	6727	2.739	ug/l #	96

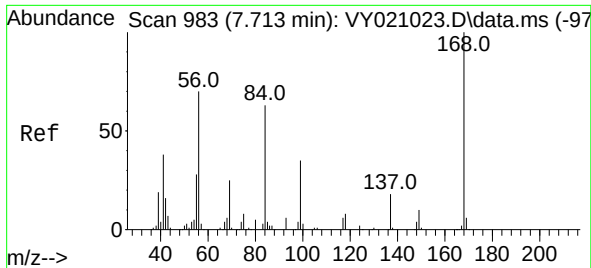
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A_Y\Data\VY020525\
Data File : VY021092.D
Acq On : 05 Feb 2025 16:35
Operator : SY/MD
Sample : Q1241-01
Misc : 6.39g/5.0mL/MSV0A_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSV0A_Y
ClientSampleId :

Quant Time: Feb 06 00:56:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

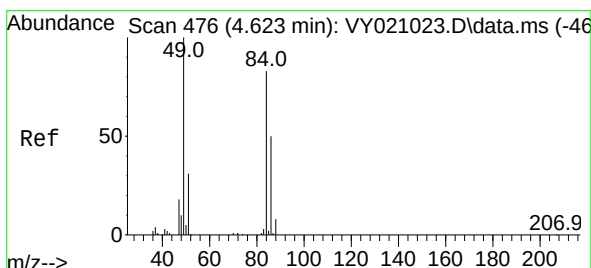
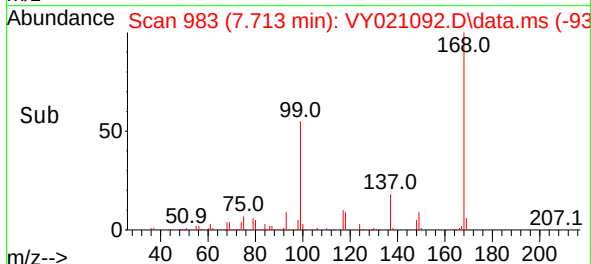
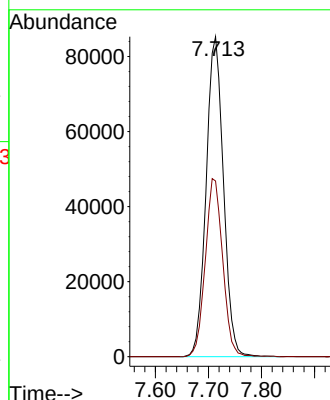
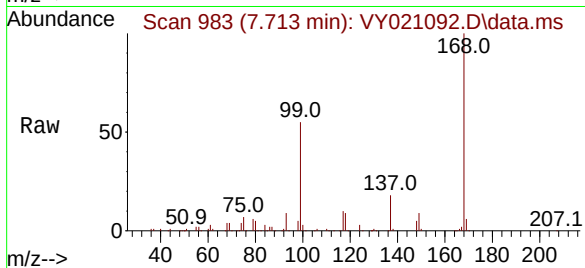




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

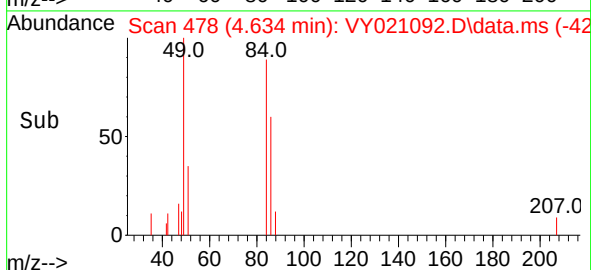
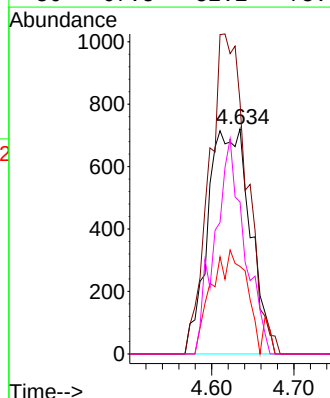
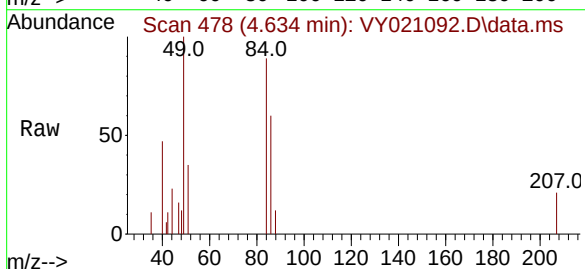
Instrument :
MSVOA_Y
ClientSampleId :

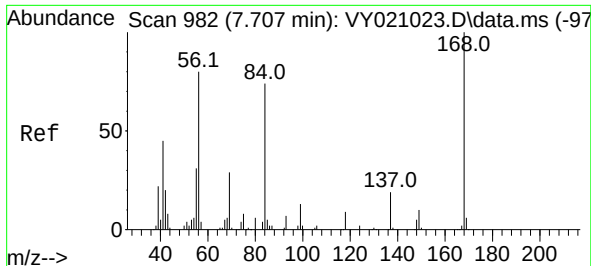
Tgt Ion:168 Resp: 193458
Ion Ratio Lower Upper
168 100
99 54.9 44.2 66.4



#20
Methylene Chloride
Concen: 1.335 ug/l
RT: 4.634 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

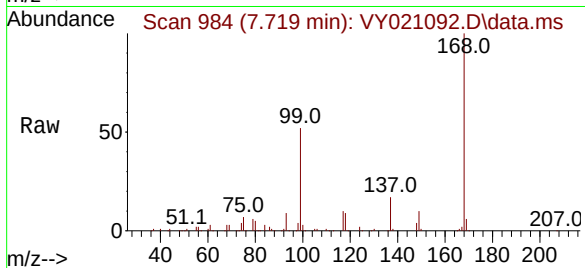
Tgt Ion: 84 Resp: 2565
Ion Ratio Lower Upper
84 100
49 111.8 95.2 142.8
51 38.8 29.9 44.9
86 67.5 52.2 78.4



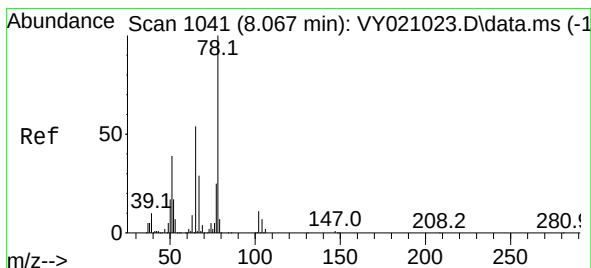
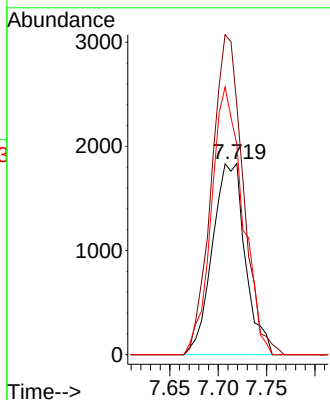
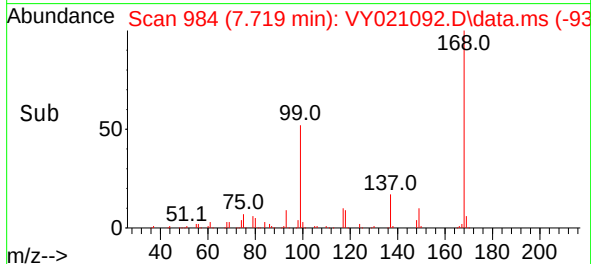


#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.719 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

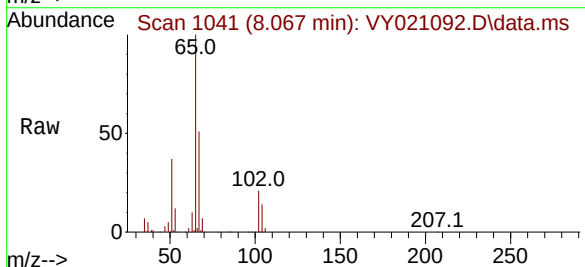
Instrument :
MSVOA_Y
ClientSampleId :



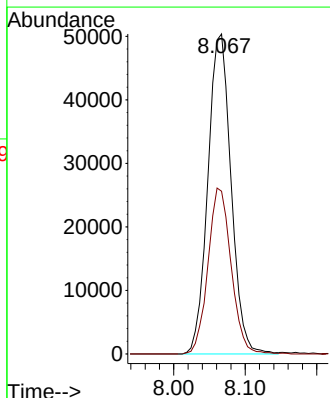
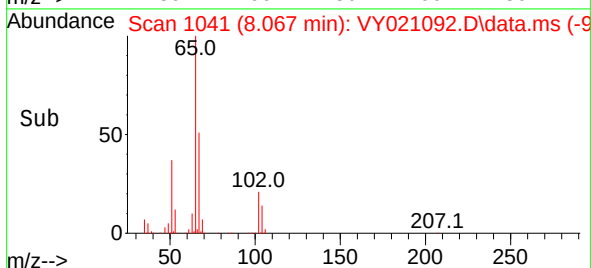
Tgt Ion: 56 Resp: 4332
Ion Ratio Lower Upper
56 100
69 130.0 27.0 40.6#
84 109.8 71.8 107.6#

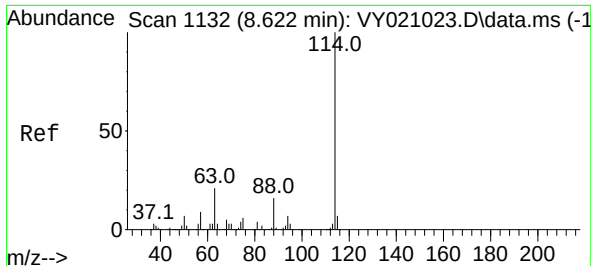


#33
1,2-Dichloroethane-d4
Concen: 57.312 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35



Tgt Ion: 65 Resp: 113600
Ion Ratio Lower Upper
65 100
67 51.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021092.D

Acq: 05 Feb 2025 16:35

Instrument :

MSVOA_Y

ClientSampleId :

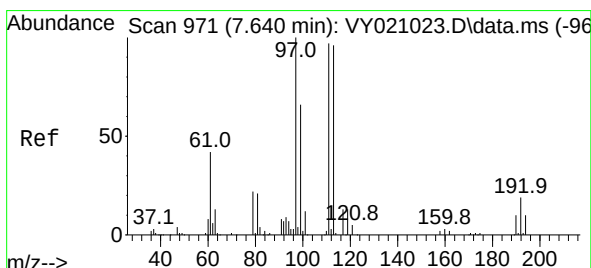
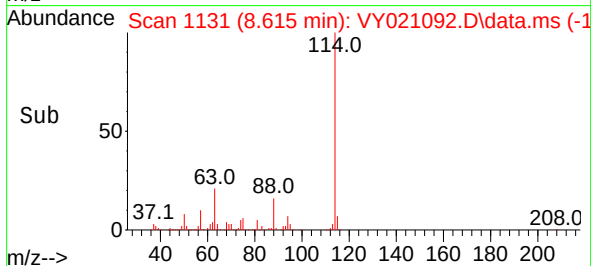
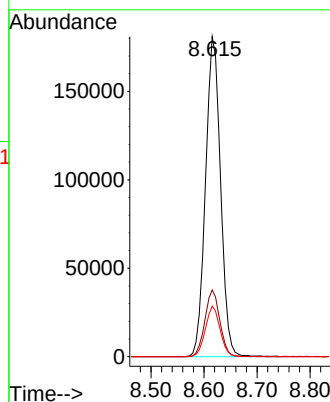
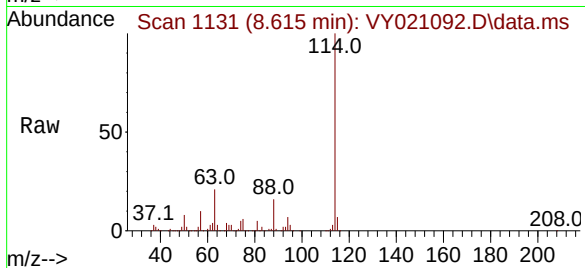
Tgt Ion:114 Resp: 355898

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

88 15.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.822 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021092.D

Acq: 05 Feb 2025 16:35

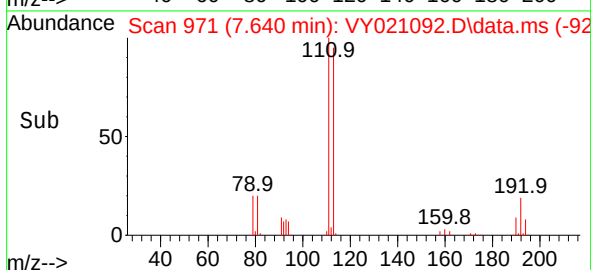
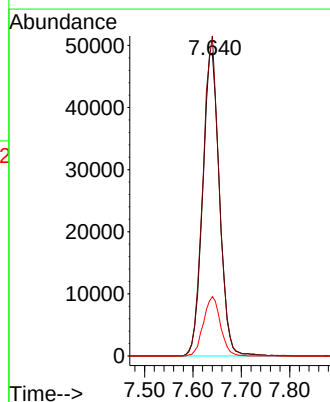
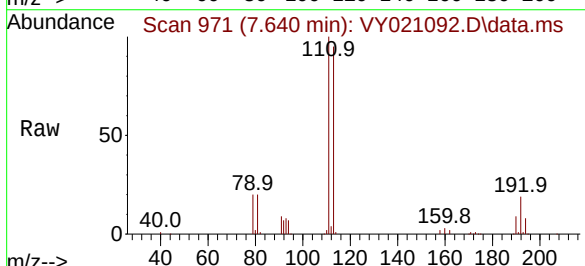
Tgt Ion:113 Resp: 118198

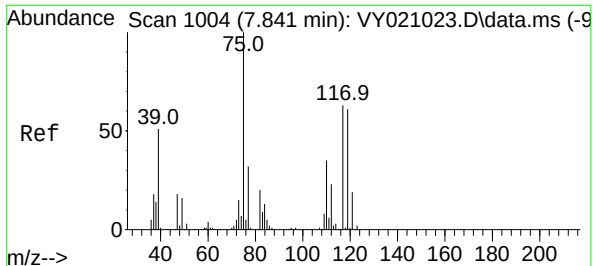
Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 19.8 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.536 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021092.D

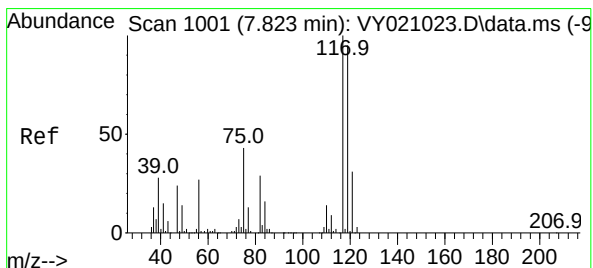
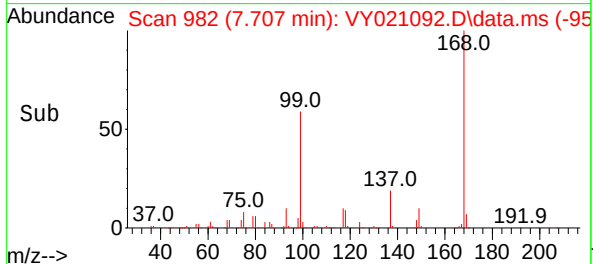
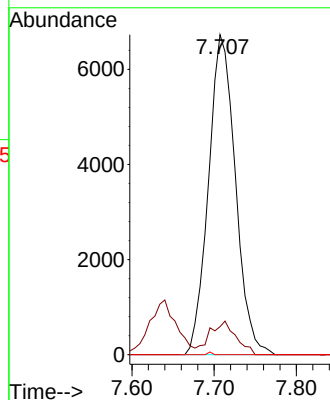
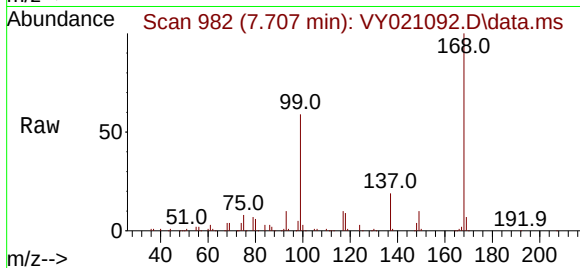
Acq: 05 Feb 2025 16:35

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	15325
Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.4	52.3#
77	0.1	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 5.062 ug/l

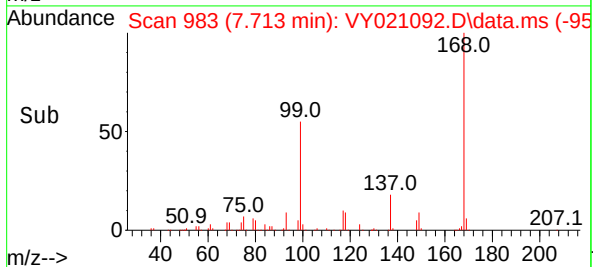
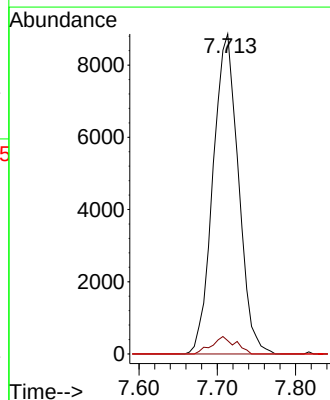
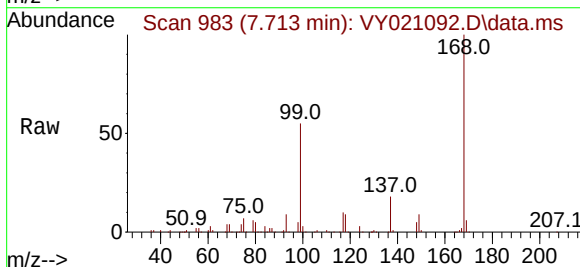
RT: 7.713 min Scan# 983

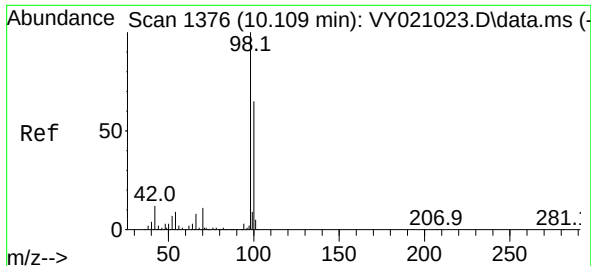
Delta R.T. -0.110 min

Lab File: VY021092.D

Acq: 05 Feb 2025 16:35

Tgt Ion:	117	Resp:	19983
Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.0	114.0#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 48.883 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021092.D

Acq: 05 Feb 2025 16:35

Instrument :

MSVOA_Y

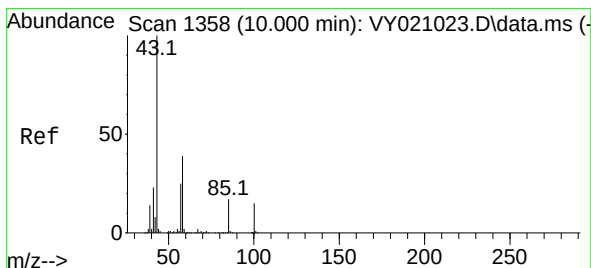
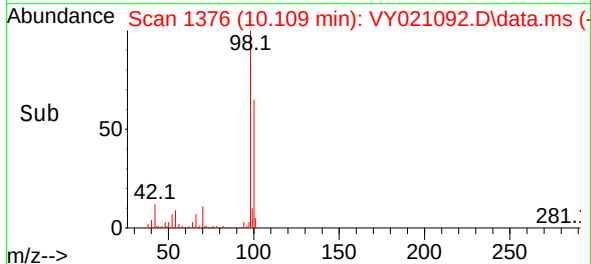
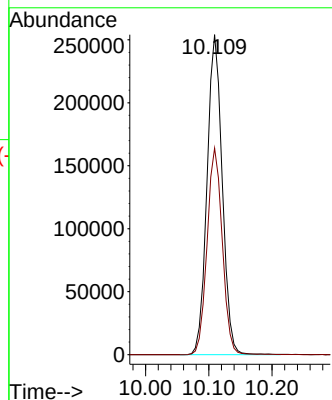
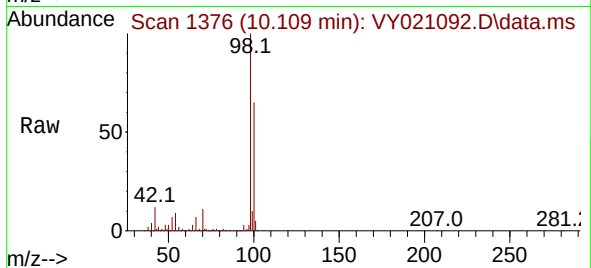
ClientSampleId :

Tgt Ion: 98 Resp: 424465

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.361 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.109 min

Lab File: VY021092.D

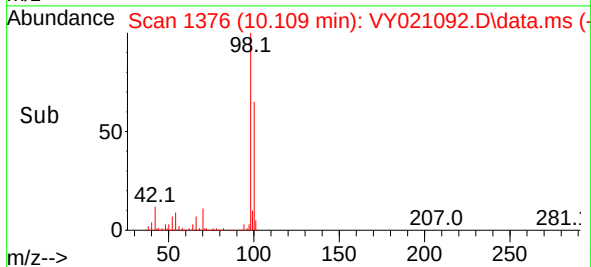
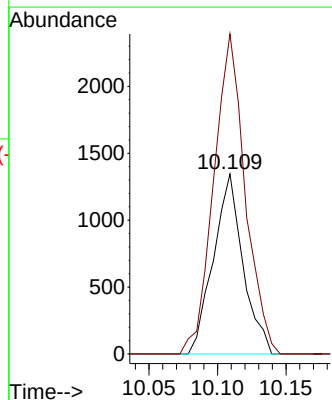
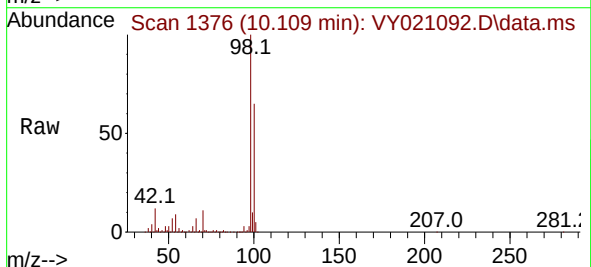
Acq: 05 Feb 2025 16:35

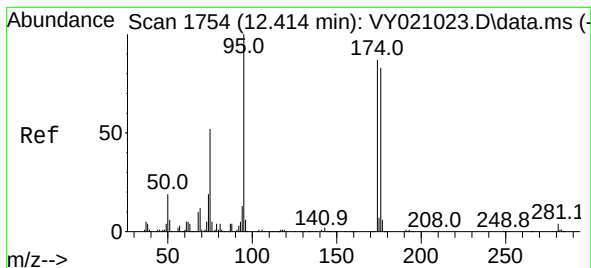
Tgt Ion: 43 Resp: 2016

Ion Ratio Lower Upper

43 100

58 189.2 32.2 48.2#

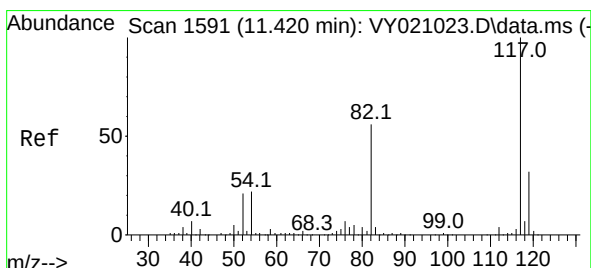
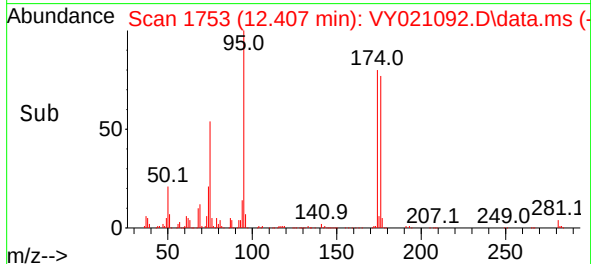
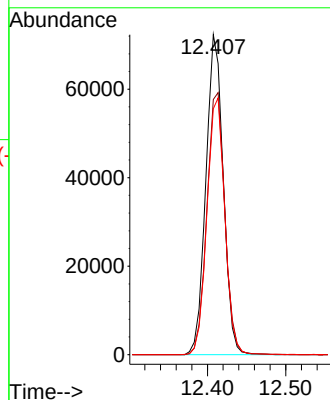
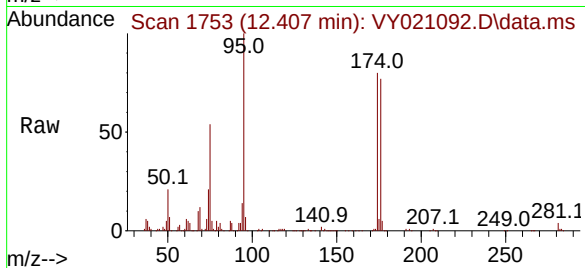




#62
4-Bromofluorobenzene
Concen: 39.199 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

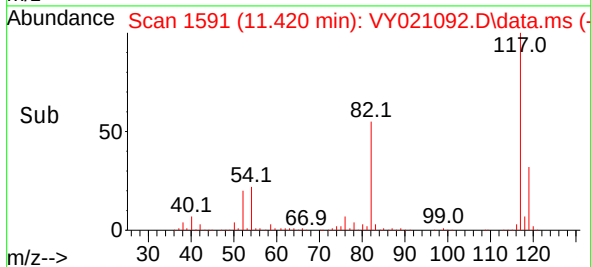
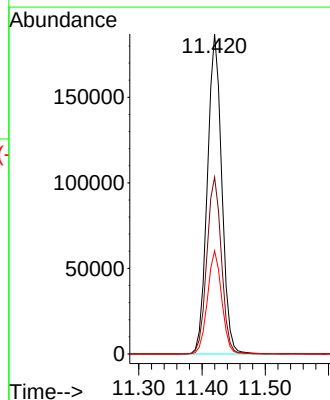
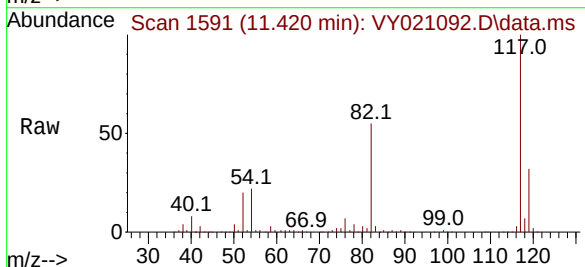
Instrument :
MSVOA_Y
ClientSampleId :

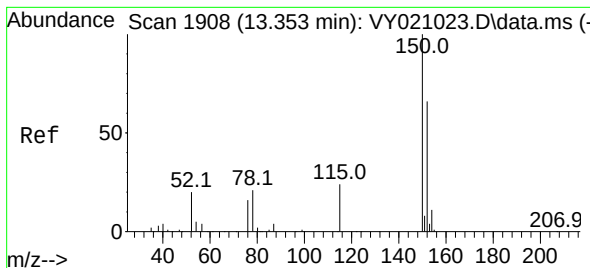
Tgt Ion: 95 Resp: 111199
Ion Ratio Lower Upper
95 100
174 84.9 0.0 160.0
176 82.6 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

Tgt Ion: 117 Resp: 296013
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.8
119 32.2 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021092.D

Acq: 05 Feb 2025 16:35

Instrument :

MSVOA_Y

ClientSampleId :

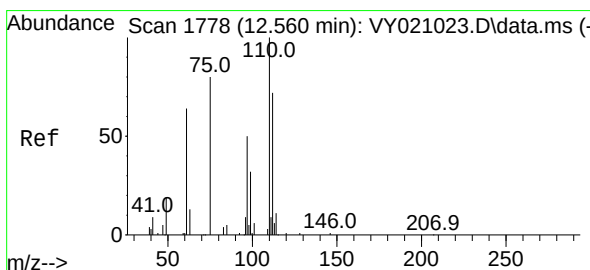
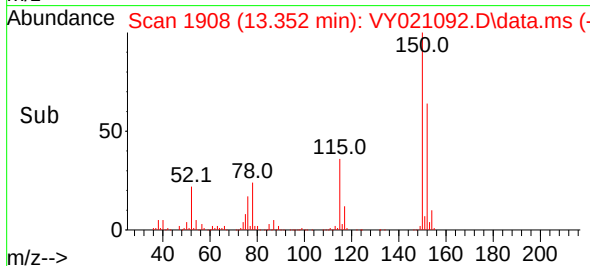
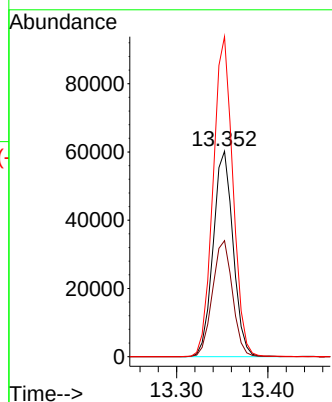
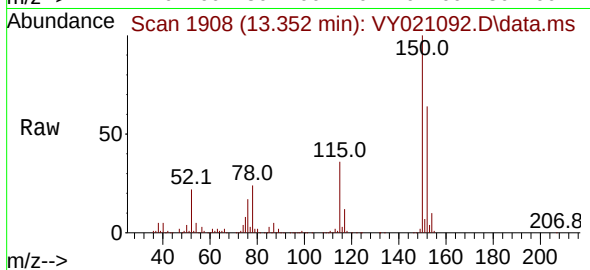
Tgt Ion:152 Resp: 91291

Ion Ratio Lower Upper

152 100

115 56.9 30.0 90.0

150 154.9 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 74.206 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.153 min

Lab File: VY021092.D

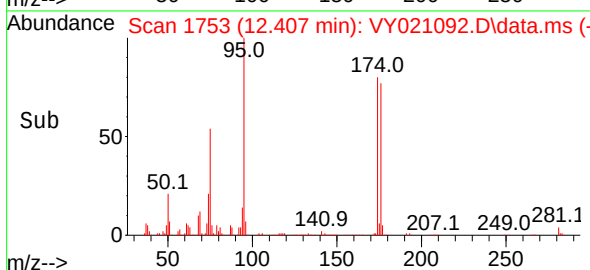
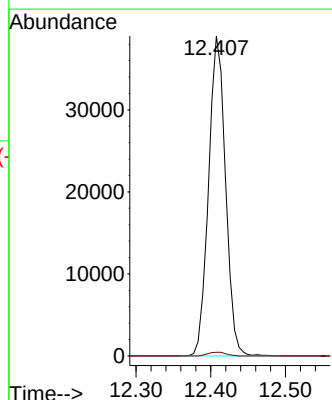
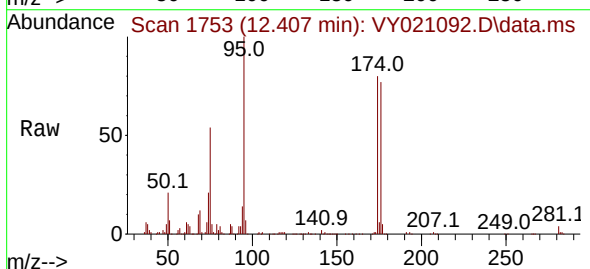
Acq: 05 Feb 2025 16:35

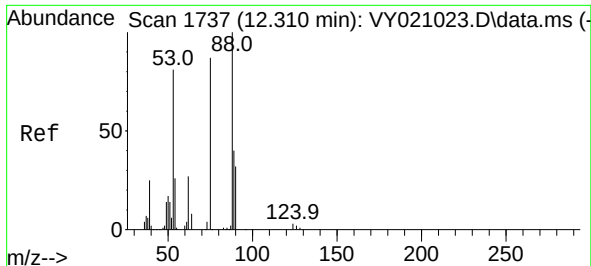
Tgt Ion: 75 Resp: 61452

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

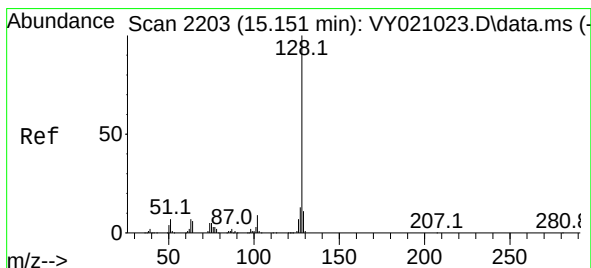
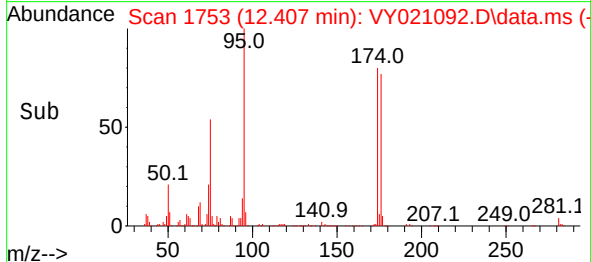
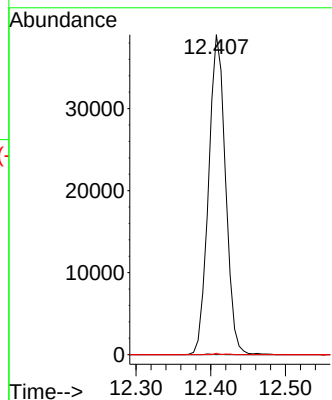
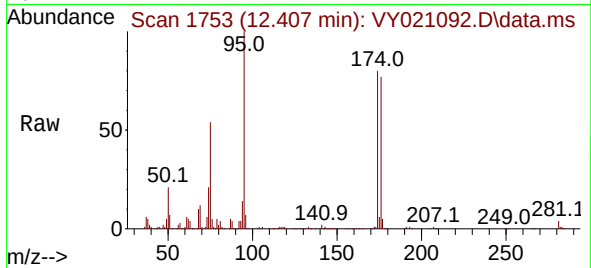




#81
trans-1,4-Dichloro-2-butene
Concen: 151.417 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 61452
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 0.2 36.5 54.7#



#95
Naphthalene
Concen: 2.739 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021092.D
Acq: 05 Feb 2025 16:35

Tgt Ion: 128 Resp: 6727
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 13.4 8.6 12.8#

