

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021068.D
 Acq On : 04 Feb 2025 18:57
 Operator : SY/MD
 Sample : Q1242-01
 Misc : 9.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 05 00:50:45 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)

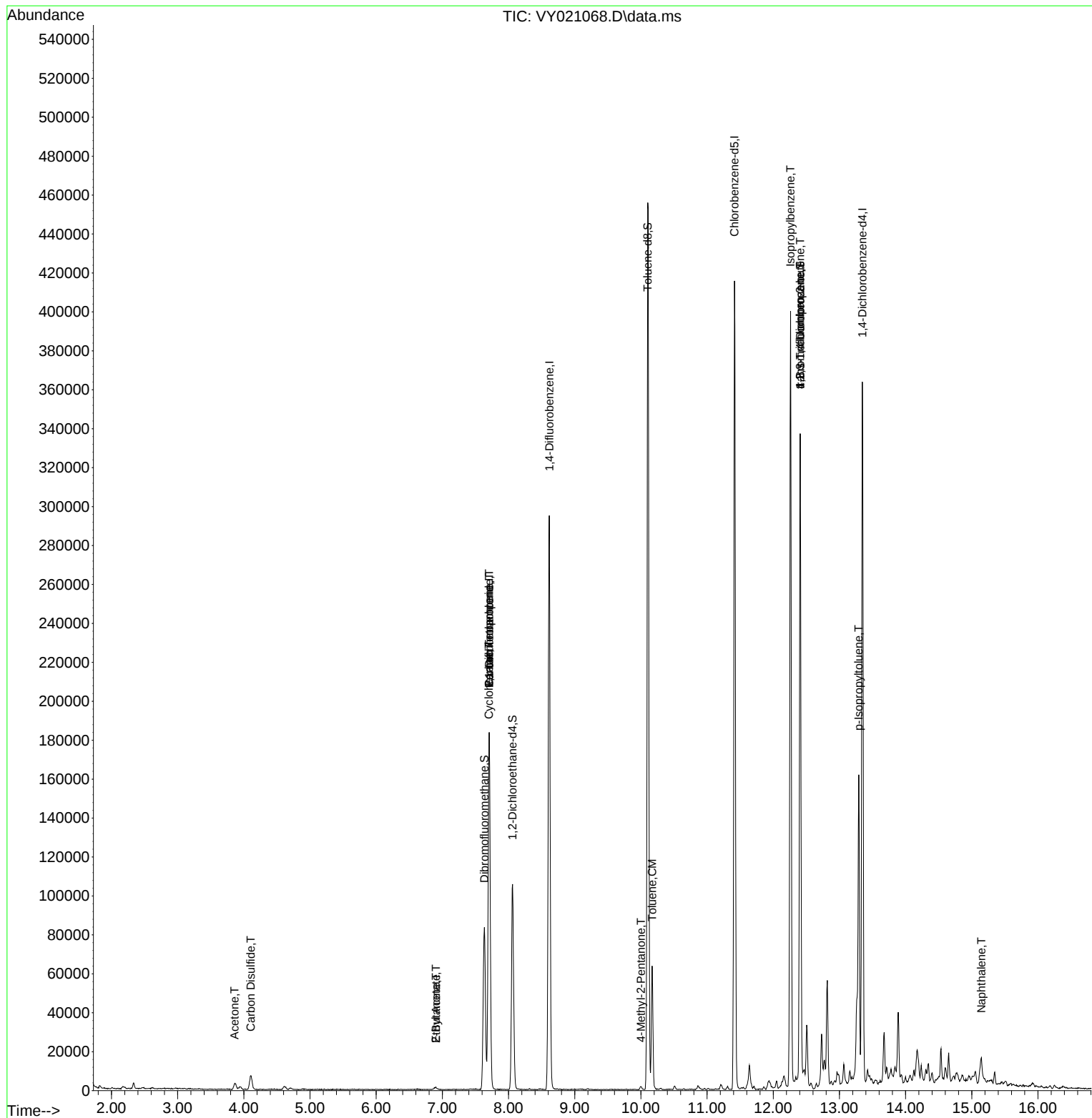
Internal Standards						
1) Pentafluorobenzene	7.707	168	137351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	243790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	214926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	86830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	83933	59.642	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.280%
35) Dibromofluoromethane	7.634	113	58363	37.355	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.720%
50) Toluene-d8	10.103	98	295140	49.620	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.240%
62) 4-Bromofluorobenzene	12.408	95	94483	48.622	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.240%
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	5627	25.640	ug/l	92
17) Carbon Disulfide	4.104	76	14151	3.446	ug/l	99
25) 2-Butanone	6.903	43	1277	3.541	ug/l #	85
31) Cyclohexane	7.701	56	3304	1.377	ug/l #	38
36) 1,1-Dichloropropene	7.707	75	10652	4.603	ug/l #	52
37) Ethyl Acetate	6.903	43	1277	1.258	ug/l #	69
38) Carbon Tetrachloride	7.707	117	14356	5.309	ug/l #	16
51) 4-Methyl-2-Pentanone	10.000	43	1297	1.279	ug/l	91
52) Toluene	10.170	92	24494	5.744	ug/l	99
73) Isopropylbenzene	12.261	105	15729	2.319	ug/l #	65
76) 1,2,3-Trichloropropane	12.408	75	52757	66.980	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	52757	136.671	ug/l #	12
86) p-Isopropyltoluene	13.292	119	80592	13.484	ug/l	94
95) Naphthalene	15.145	128	9268	3.968	ug/l	96

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

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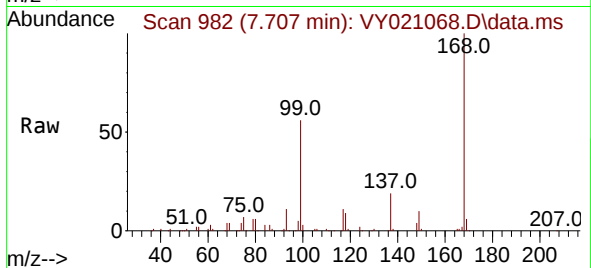
Quant Time: Feb 05 00:50:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
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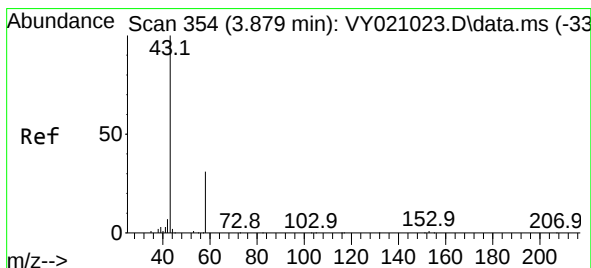
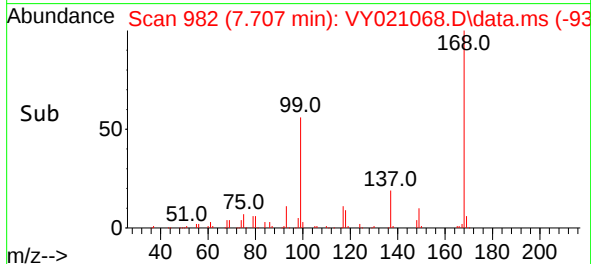
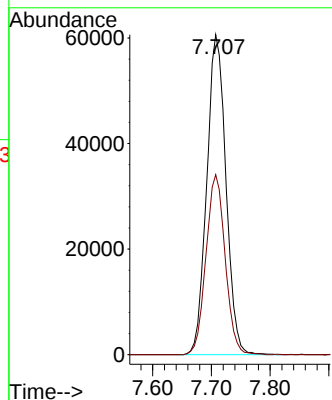


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

Instrument :
MSVOA_Y
ClientSampleId :

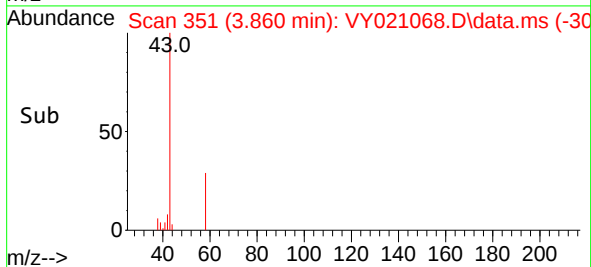
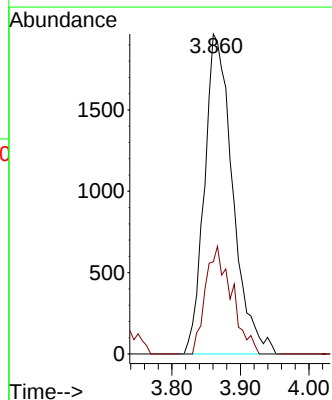
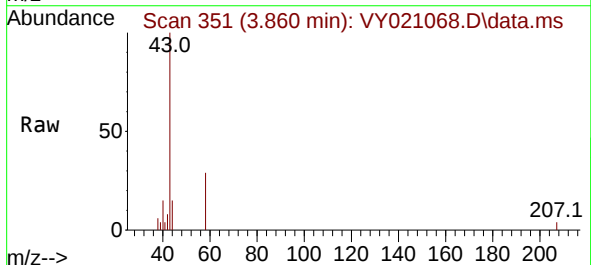


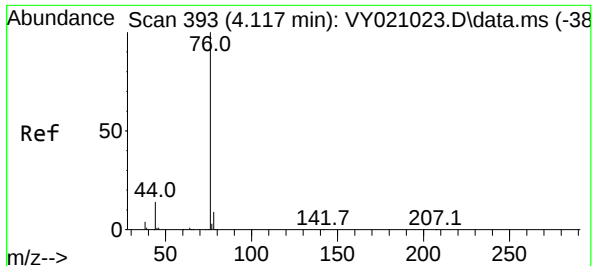
Tgt Ion:168 Resp: 137351
Ion Ratio Lower Upper
168 100
99 56.2 44.2 66.4



#16
Acetone
Concen: 25.640 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

Tgt Ion: 43 Resp: 5627
Ion Ratio Lower Upper
43 100
58 28.8 26.6 39.8

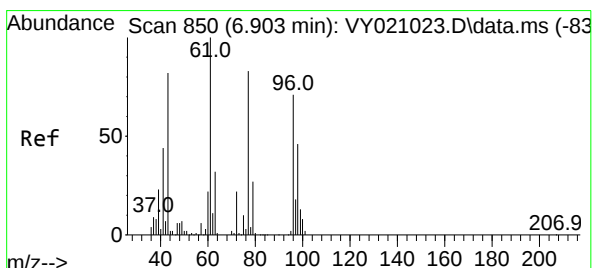
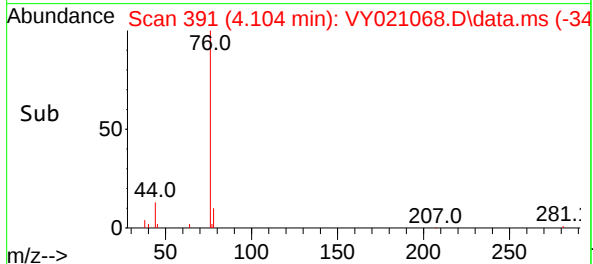
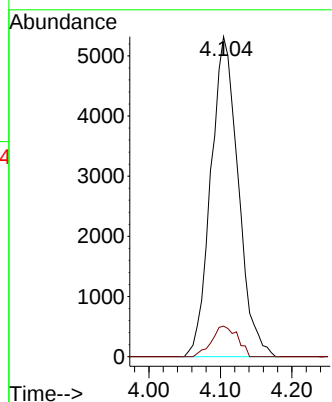
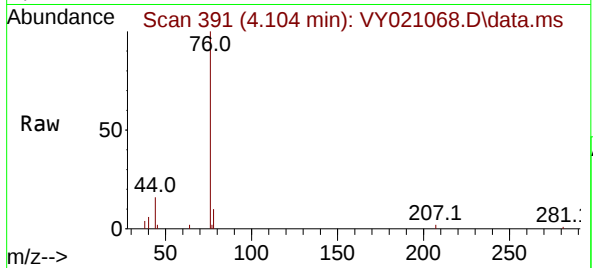




#17
Carbon Disulfide
Concen: 3.446 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.012 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

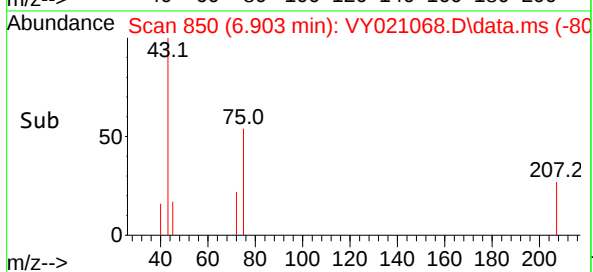
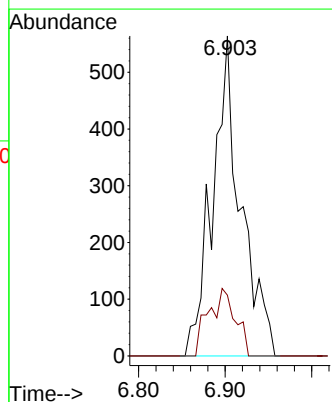
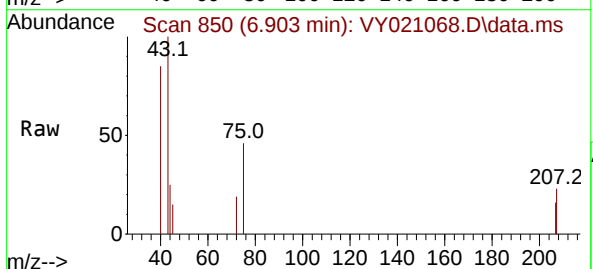
Instrument :
MSVOA_Y
ClientSampleId :

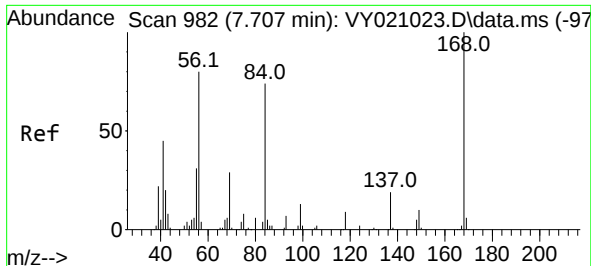
Tgt Ion: 76 Resp: 14151
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#25
2-Butanone
Concen: 3.541 ug/l
RT: 6.903 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

Tgt Ion: 43 Resp: 1277
Ion Ratio Lower Upper
43 100
72 19.0 21.4 32.2#

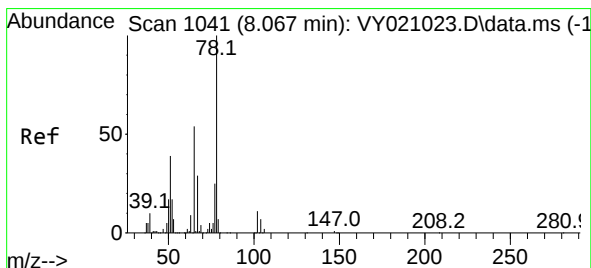
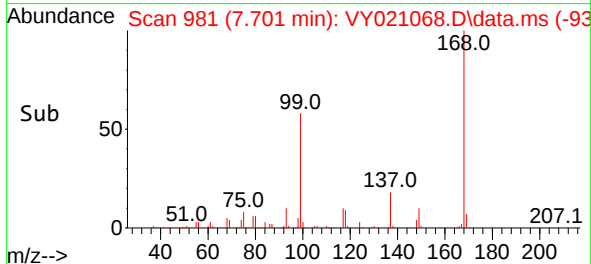
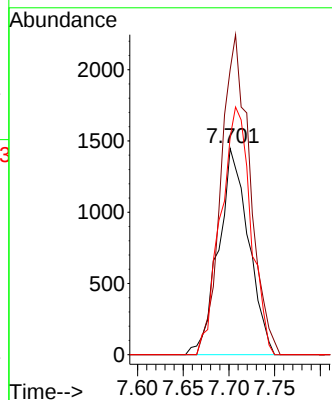
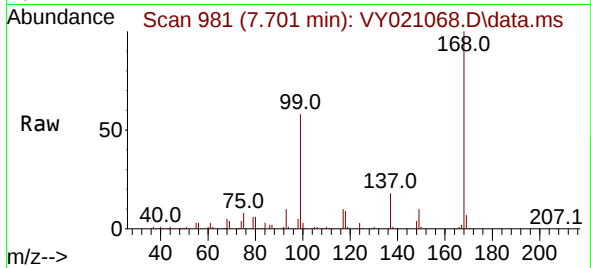




#31
Cyclohexane
Concen: 1.377 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

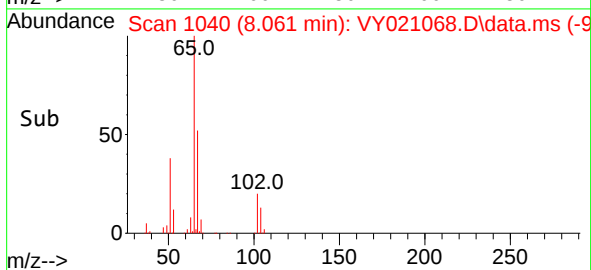
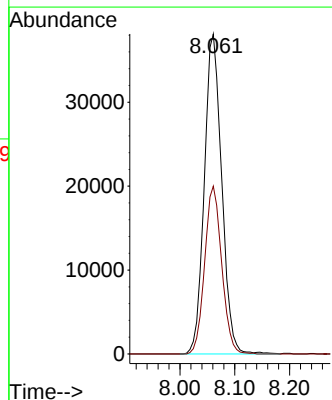
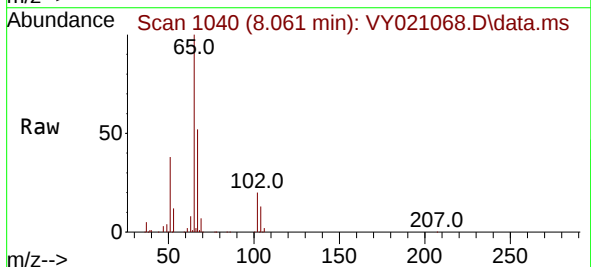
Instrument :
MSVOA_Y
ClientSampleId :

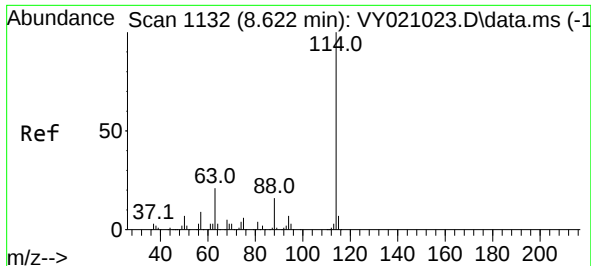
Tgt Ion: 56 Resp: 3304
Ion Ratio Lower Upper
56 100
69 138.1 27.0 40.6#
84 105.3 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 59.642 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

Tgt Ion: 65 Resp: 83933
Ion Ratio Lower Upper
65 100
67 51.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021068.D

Acq: 04 Feb 2025 18:57

Instrument :

MSVOA_Y

ClientSampleId :

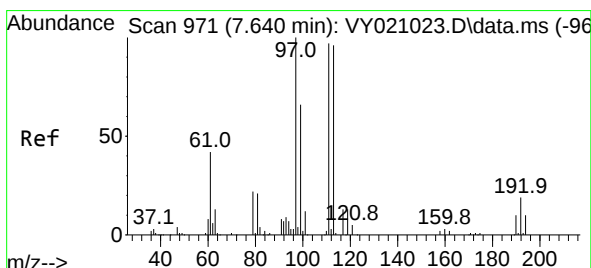
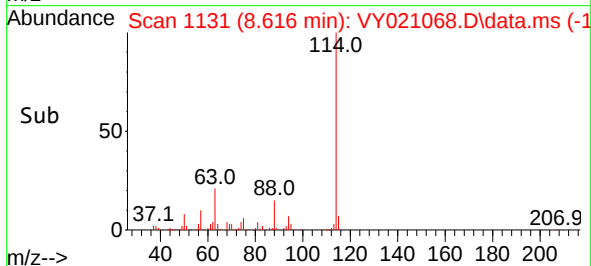
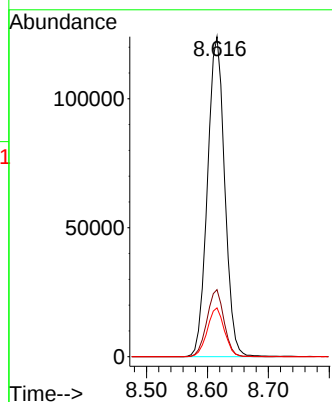
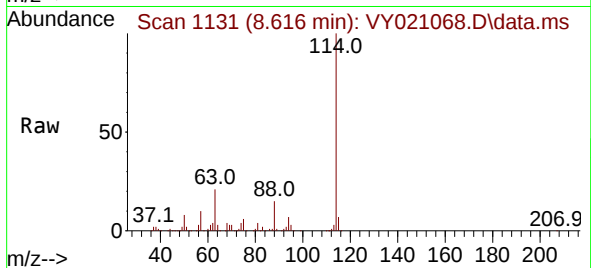
Tgt Ion:114 Resp: 243790

Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.4

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 37.355 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021068.D

Acq: 04 Feb 2025 18:57

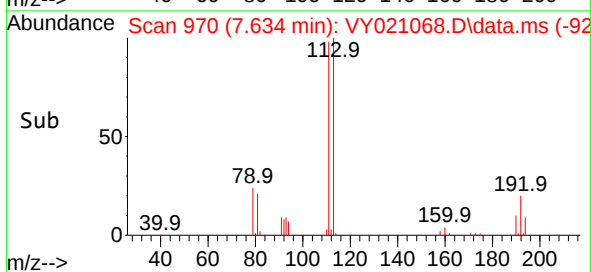
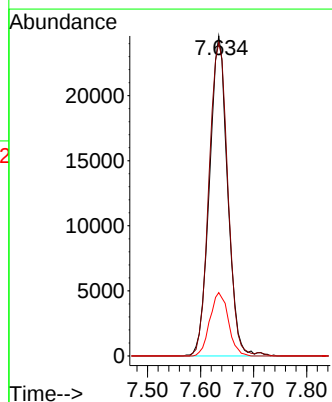
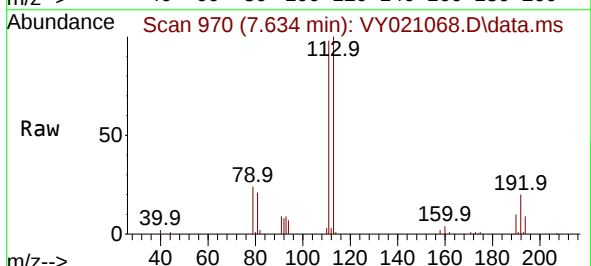
Tgt Ion:113 Resp: 58363

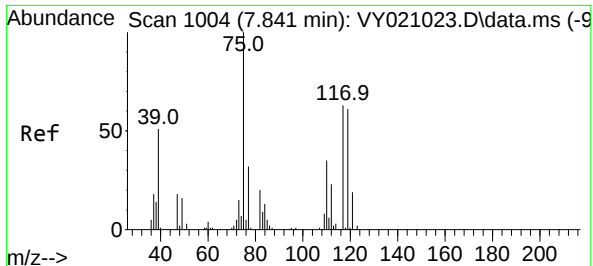
Ion Ratio Lower Upper

113 100

111 101.2 83.8 125.6

192 20.2 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.603 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.134 min

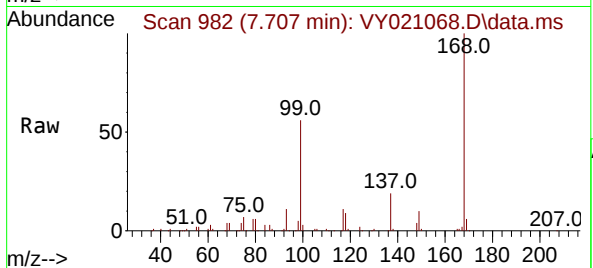
Lab File: VY021068.D

Acq: 04 Feb 2025 18:57

Instrument :

MSVOA_Y

ClientSampleId :



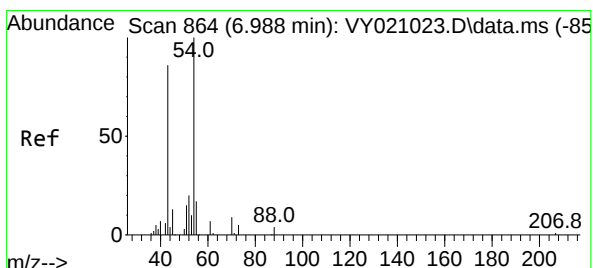
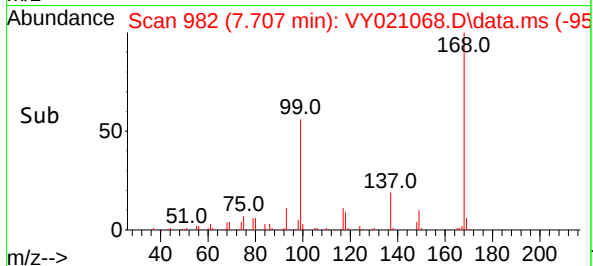
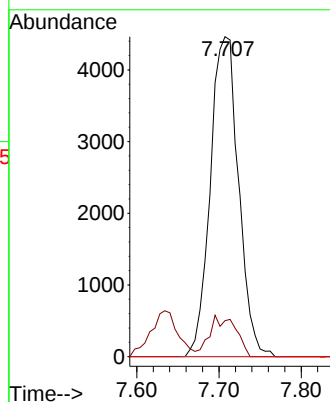
Tgt Ion: 75 Resp: 10652

Ion Ratio Lower Upper

75 100

110 11.9 17.4 52.3#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.258 ug/l

RT: 6.903 min Scan# 850

Delta R.T. -0.085 min

Lab File: VY021068.D

Acq: 04 Feb 2025 18:57

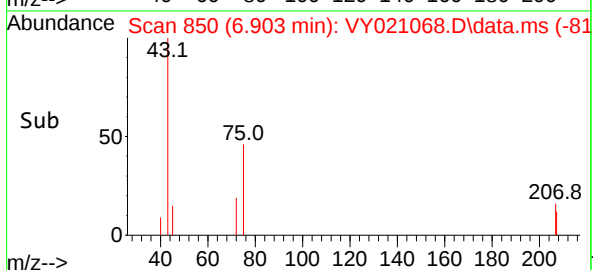
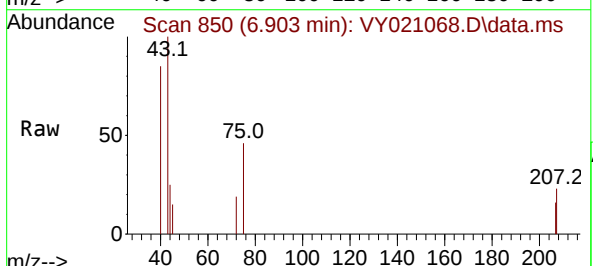
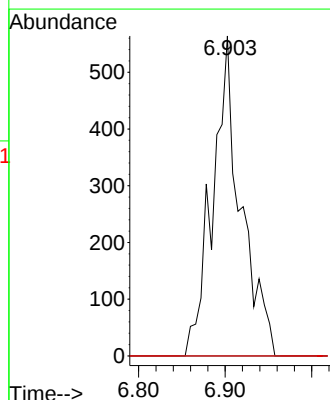
Tgt Ion: 43 Resp: 1277

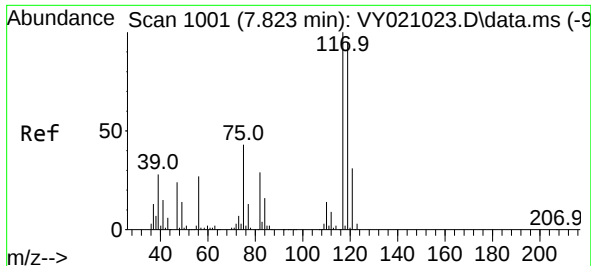
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

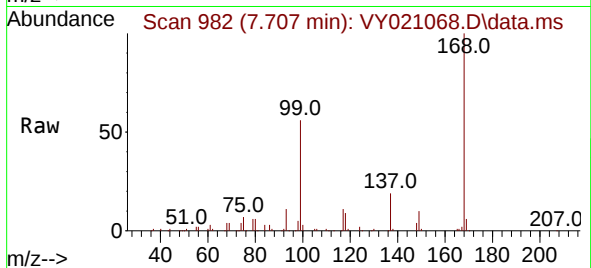
70 0.0 8.1 12.1#



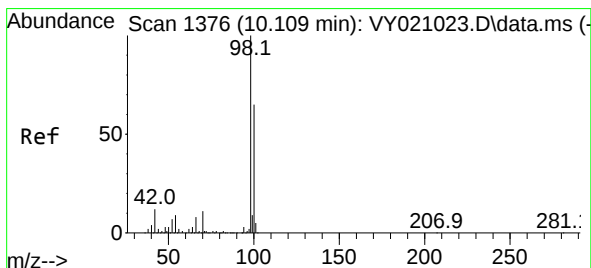
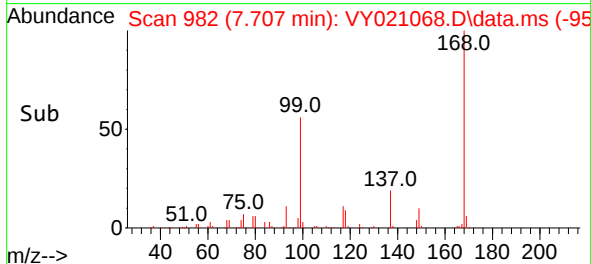
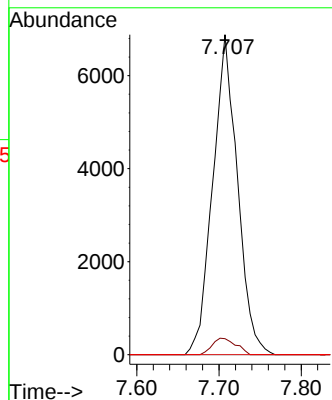


#38
Carbon Tetrachloride
Concen: 5.309 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

Instrument :
MSVOA_Y
ClientSampleId :

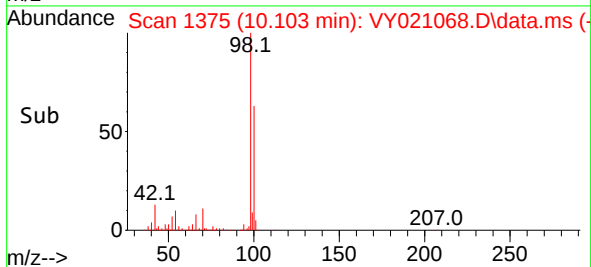
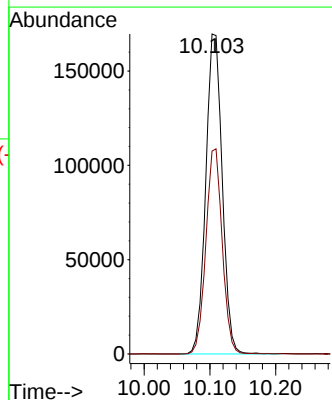
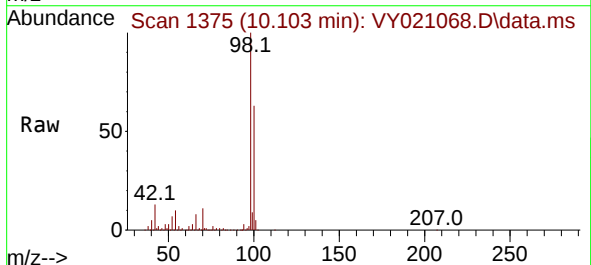


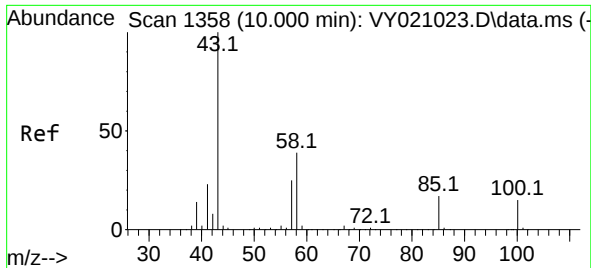
Tgt Ion:117 Resp: 14356
Ion Ratio Lower Upper
117 100
119 5.0 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.620 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

Tgt Ion: 98 Resp: 295140
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5

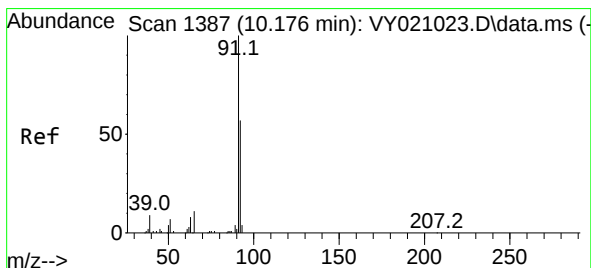
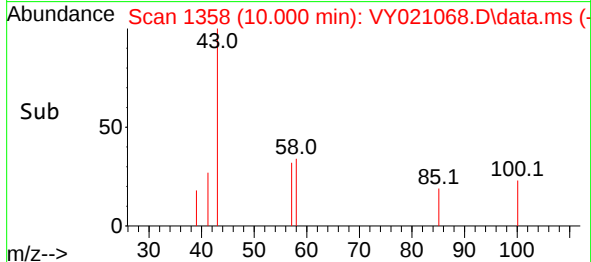
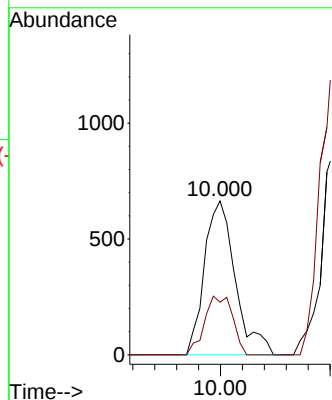
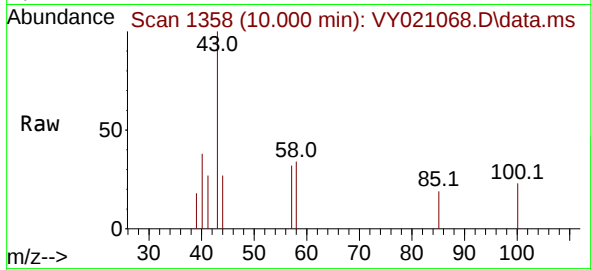




#51
4-Methyl-2-Pentanone
Concen: 1.279 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

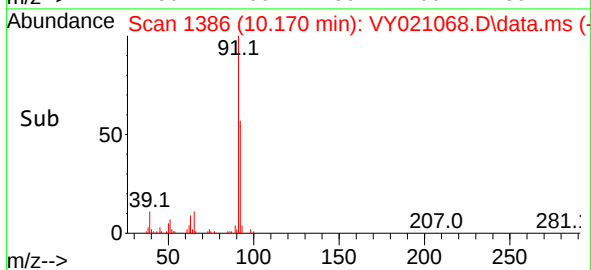
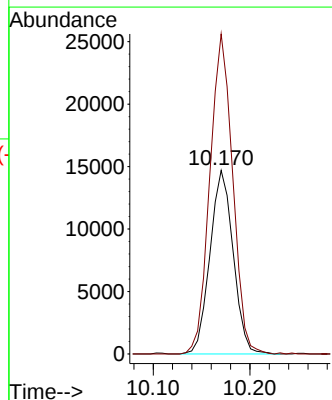
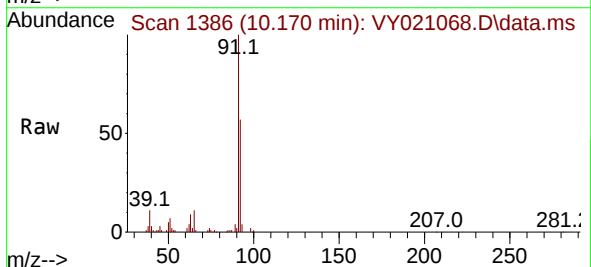
Instrument :
MSVOA_Y
ClientSampleId :

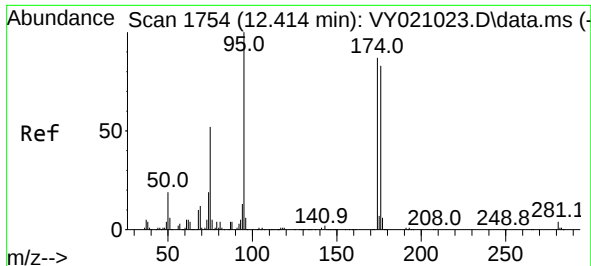
Tgt Ion: 43 Resp: 1297
Ion Ratio Lower Upper
43 100
58 34.5 32.2 48.2



#52
Toluene
Concen: 5.744 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

Tgt Ion: 92 Resp: 24494
Ion Ratio Lower Upper
92 100
91 171.0 137.6 206.4

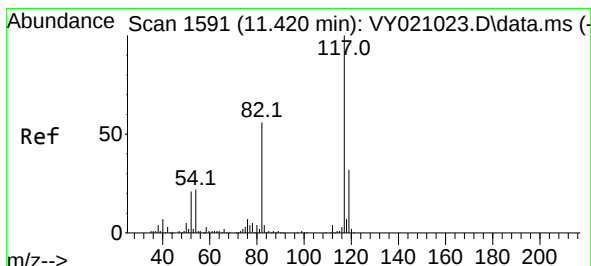
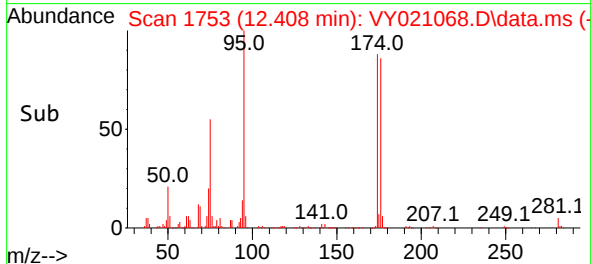
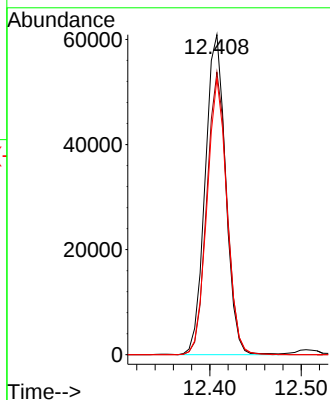
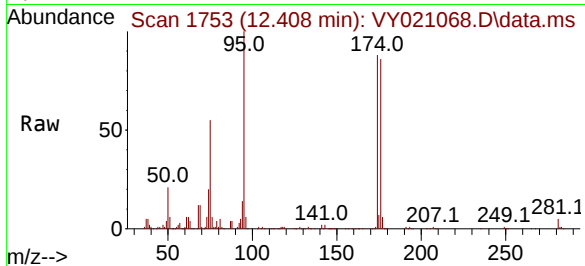




#62
4-Bromofluorobenzene
Concen: 48.622 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

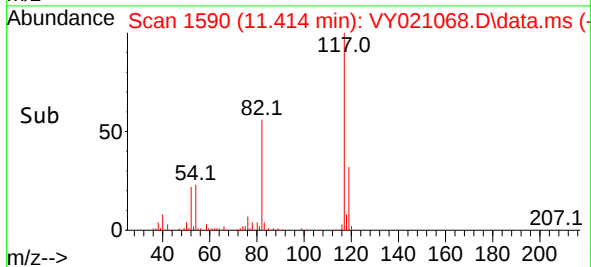
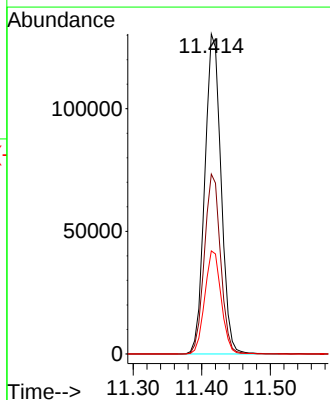
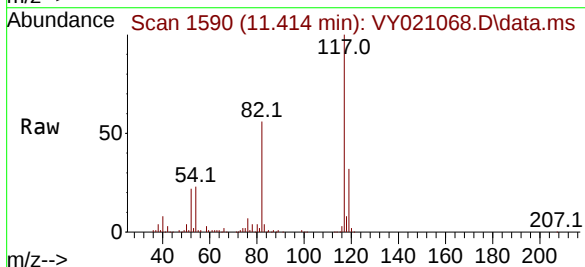
Instrument :
MSVOA_Y
ClientSampleId :

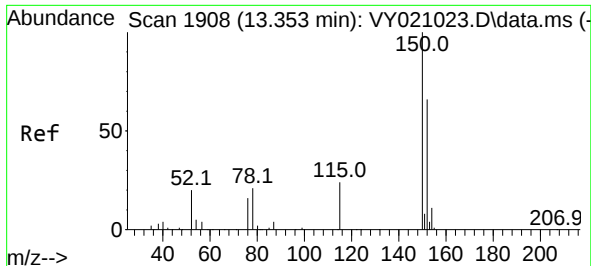
Tgt Ion:	95	Resp:	94483
Ion Ratio	Lower	Upper	
95	100		
174	86.9	0.0	160.0
176	84.0	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

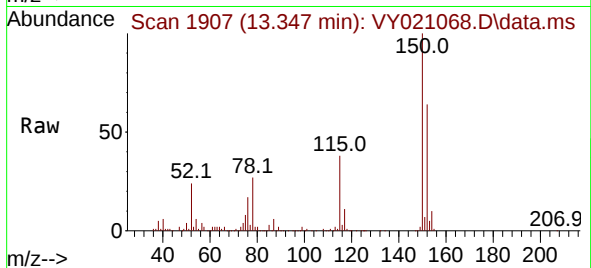
Tgt Ion:	117	Resp:	214926
Ion Ratio	Lower	Upper	
117	100		
82	56.2	43.8	65.8
119	32.2	26.5	39.7



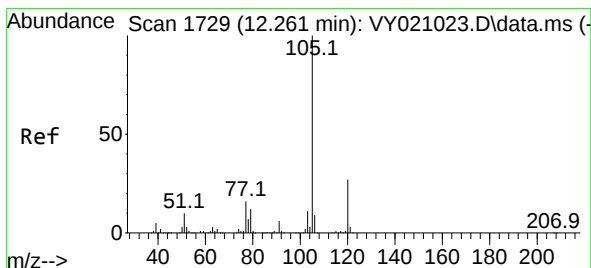
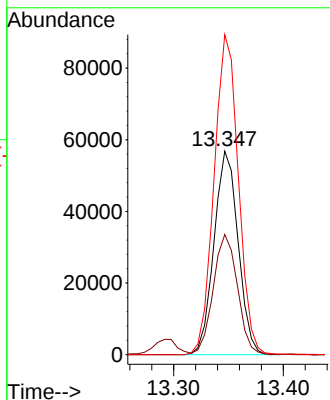
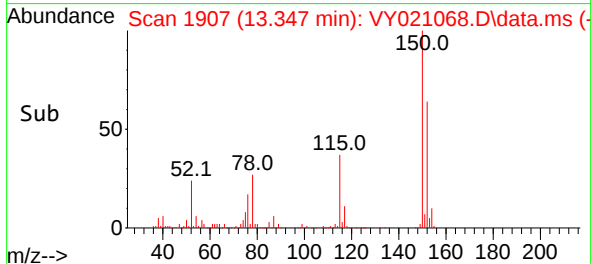


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

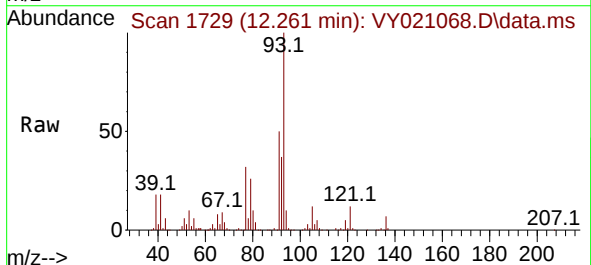
Instrument :
MSVOA_Y
ClientSampleId :



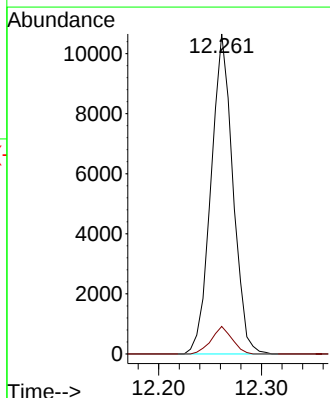
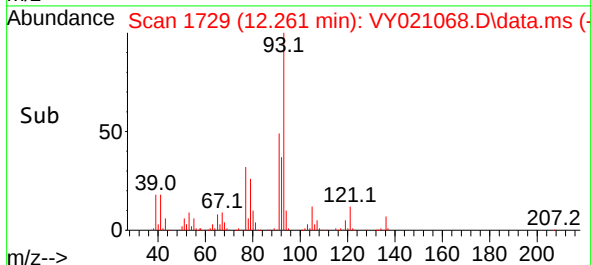
Tgt Ion:152 Resp: 86830
Ion Ratio Lower Upper
152 100
115 59.0 30.0 90.0
150 158.6 0.0 344.6

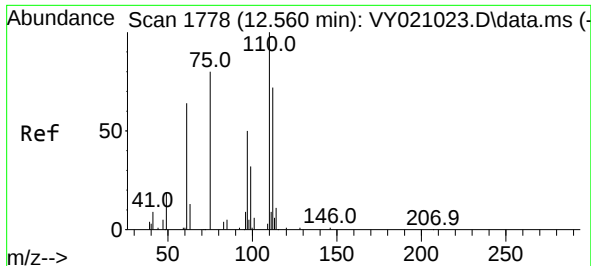


#73
Isopropylbenzene
Concen: 2.319 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. -0.000 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57



Tgt Ion:105 Resp: 15729
Ion Ratio Lower Upper
105 100
120 8.1 13.0 39.0#

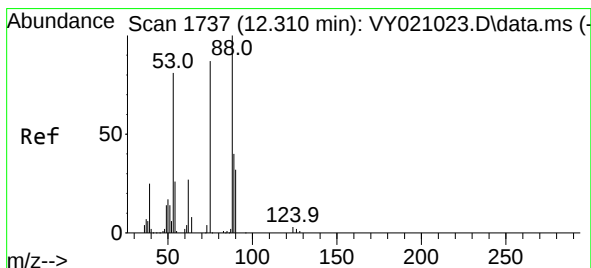
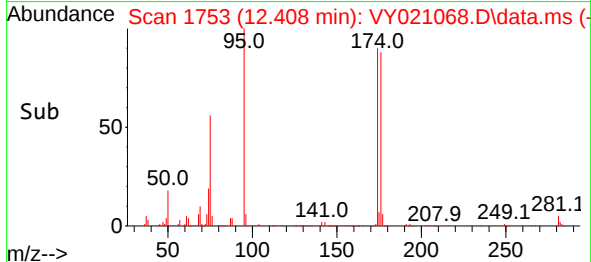
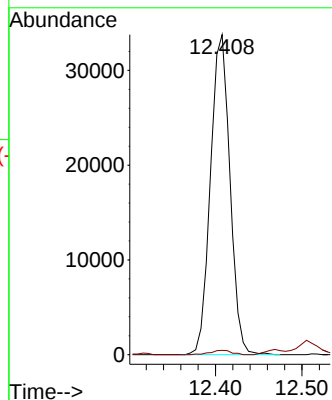
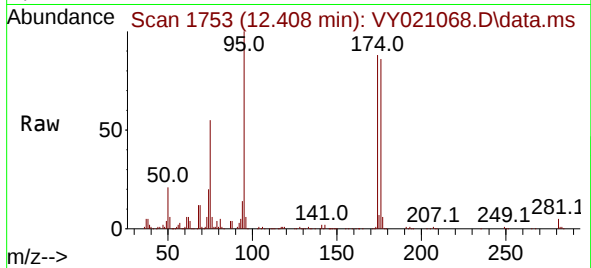




#76
 1,2,3-Trichloropropane
 Concen: 66.980 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021068.D
 Acq: 04 Feb 2025 18:57

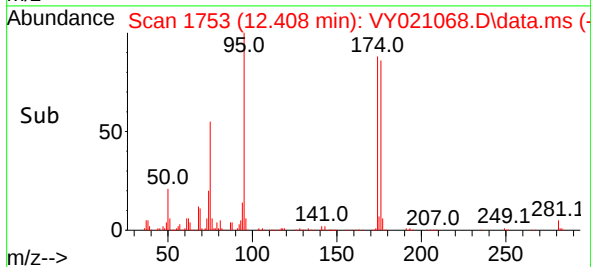
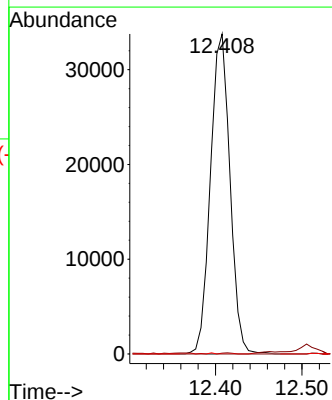
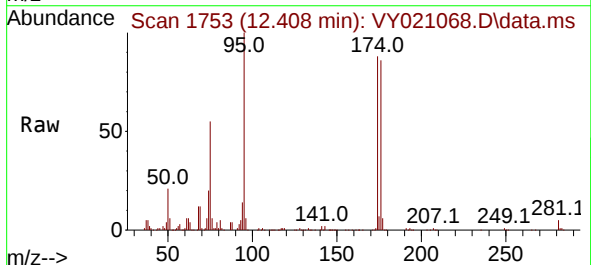
Instrument :
 MSVOA_Y
 ClientSampleId :

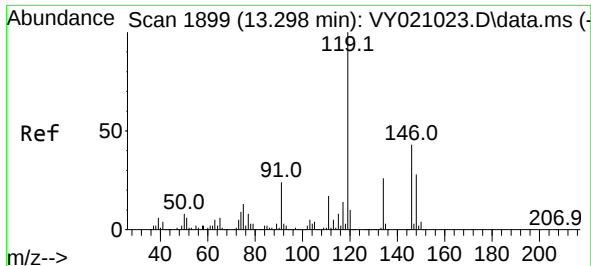
Tgt Ion: 75 Resp: 52757
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.671 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.097 min
 Lab File: VY021068.D
 Acq: 04 Feb 2025 18:57

Tgt Ion: 75 Resp: 52757
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.1 36.5 54.7#

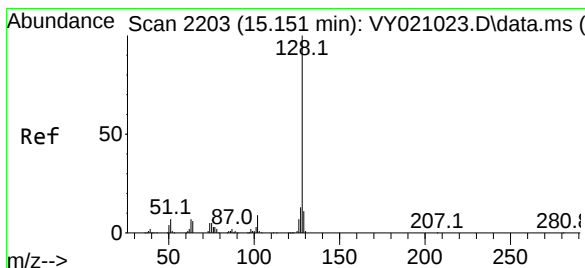
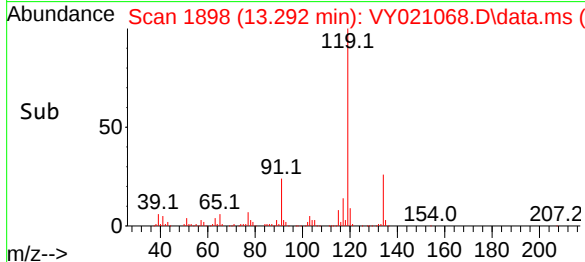
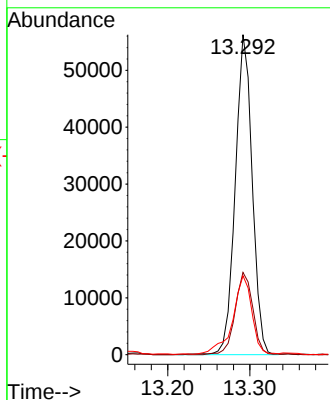
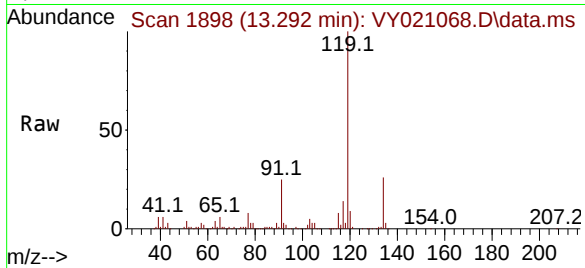




#86
p-Isopropyltoluene
Concen: 13.484 ug/l
RT: 13.292 min Scan# 119
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:119 Resp: 80592
Ion Ratio Lower Upper
119 100
134 26.9 13.1 39.1
91 28.4 11.7 35.0



#95
Naphthalene
Concen: 3.968 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

Tgt Ion:128 Resp: 9268
Ion Ratio Lower Upper
128 100
127 14.8 10.2 15.4
129 11.4 8.6 12.8

