

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021066.D
 Acq On : 04 Feb 2025 18:10
 Operator : SY/MD
 Sample : Q1241-13
 Misc : 10.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 05 00:50:02 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)

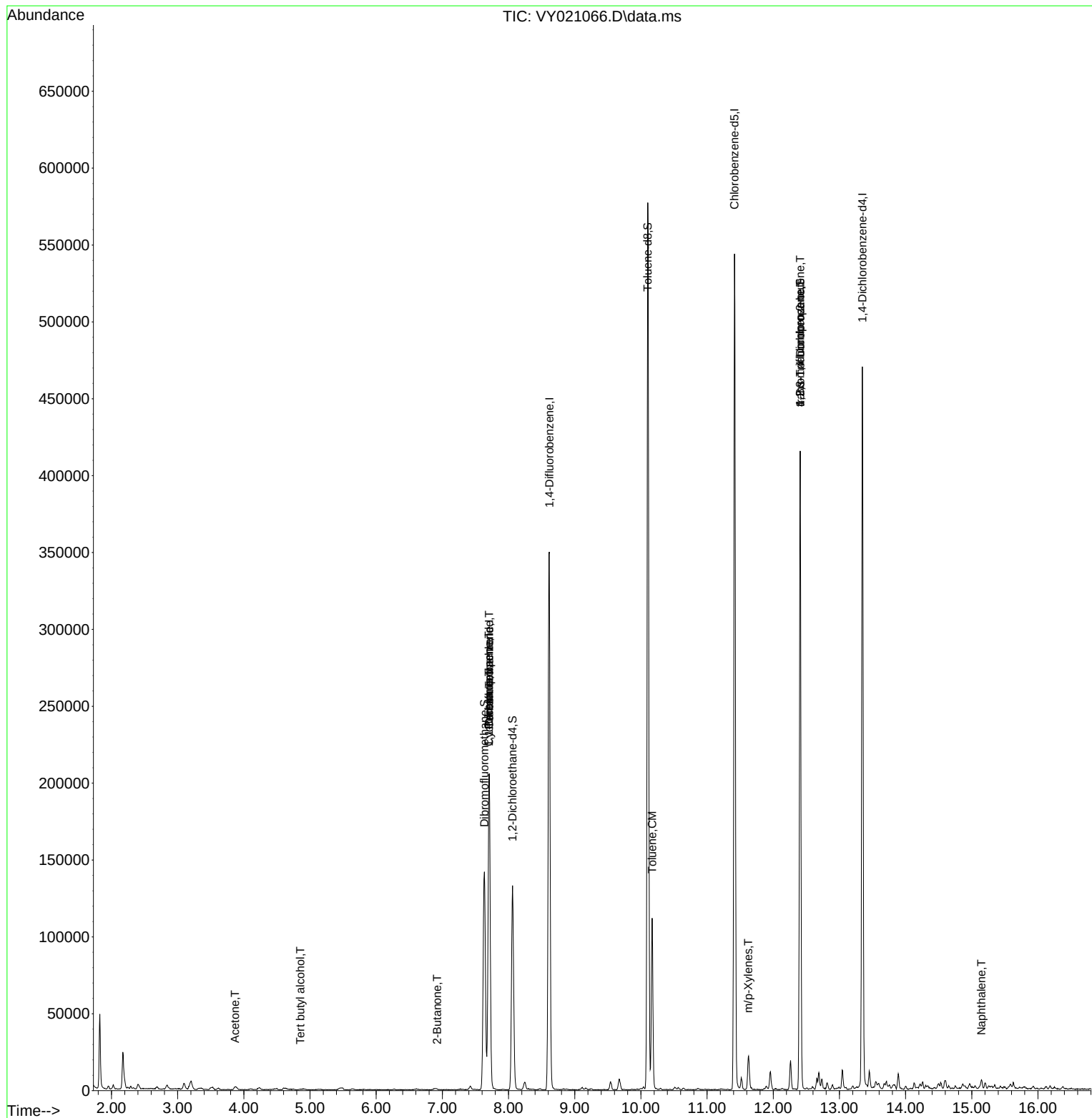
Internal Standards						
1) Pentafluorobenzene	7.707	168	156172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	292974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	111742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104156	65.093	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.180%	
35) Dibromofluoromethane	7.634	113	99999	53.260	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.520%	
50) Toluene-d8	10.103	98	363665	50.876	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.760%	
62) 4-Bromofluorobenzene	12.408	95	120158	51.454	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	754	6.954	ug/l #	75
16) Acetone	3.866	43	3369	13.501	ug/l #	88
25) 2-Butanone	6.921	43	1021	2.490	ug/l #	48
31) Cyclohexane	7.701	56	3633	1.331	ug/l #	28
36) 1,1-Dichloropropene	7.701	75	12415	4.464	ug/l #	50
38) Carbon Tetrachloride	7.707	117	16150	4.970	ug/l #	16
52) Toluene	10.170	92	42823	8.357	ug/l	100
68) m/p-Xylenes	11.621	106	6279	1.534	ug/l	89
76) 1,2,3-Trichloropropane	12.408	75	66488	65.593	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	66488	133.842	ug/l #	12
95) Naphthalene	15.145	128	3979	1.324	ug/l	98

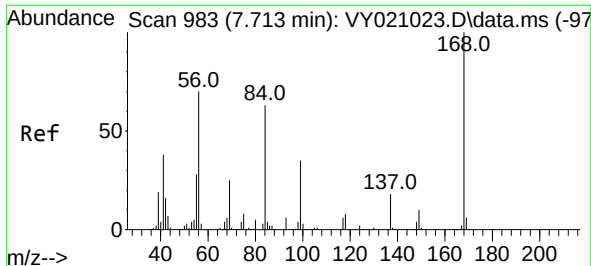
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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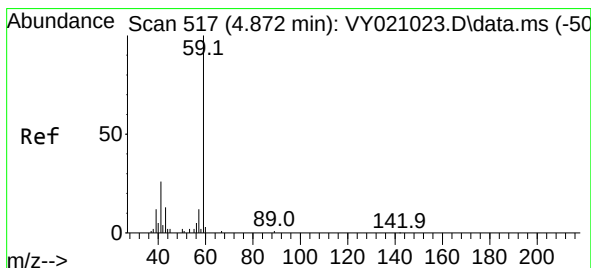
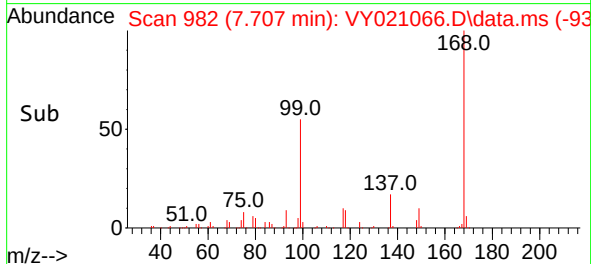
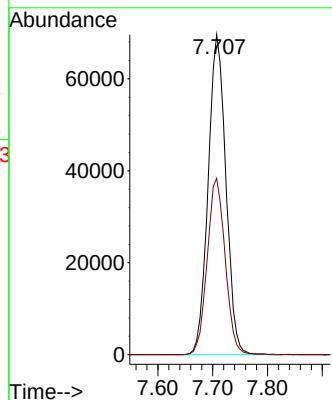
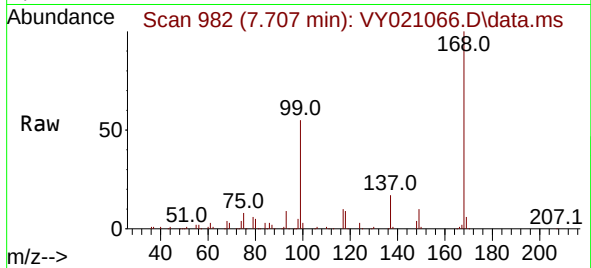




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

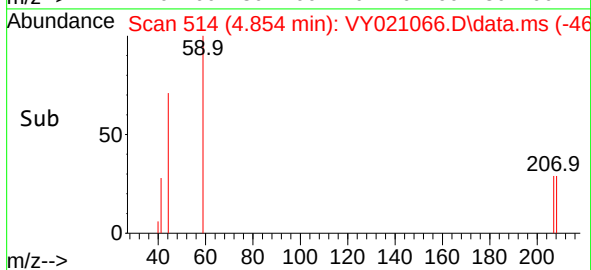
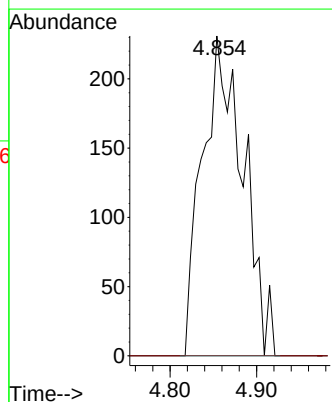
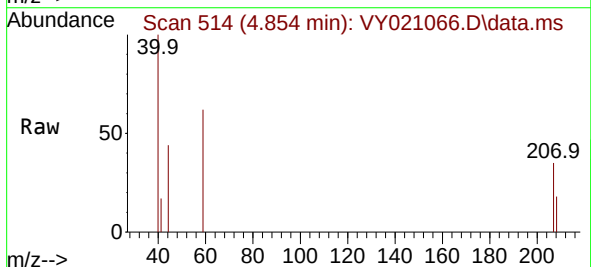
Instrument :
MSVOA_Y
ClientSampleId :

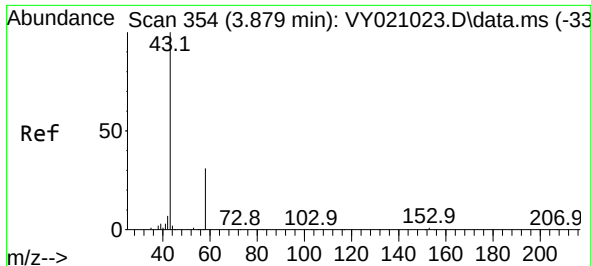
Tgt Ion:168 Resp: 156172
Ion Ratio Lower Upper
168 100
99 55.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 6.954 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

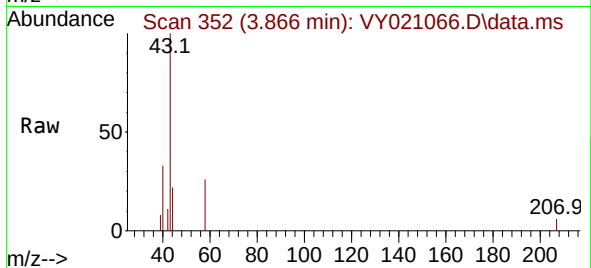
Tgt Ion: 59 Resp: 754
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



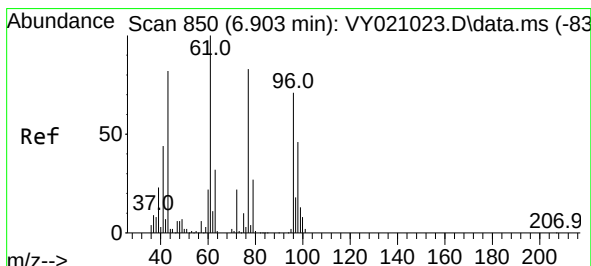
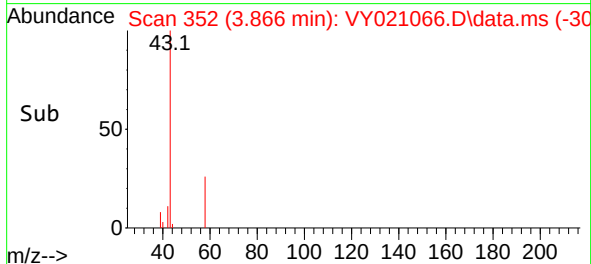
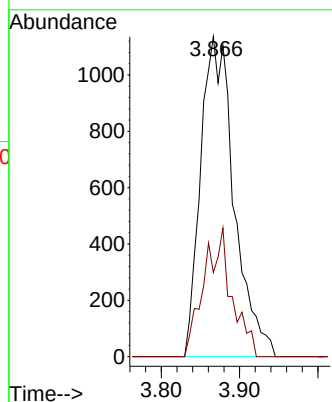


#16
Acetone
Concen: 13.501 ug/l
RT: 3.866 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Instrument :
MSVOA_Y
ClientSampleId :

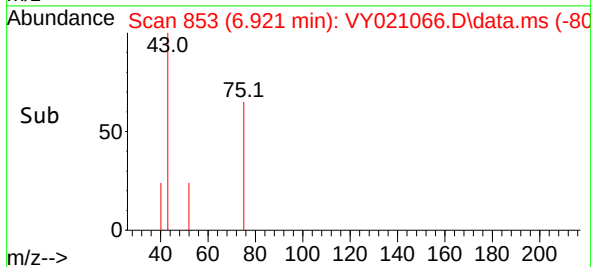
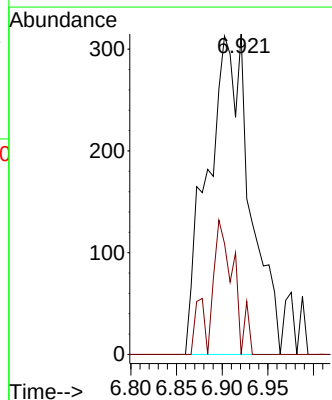
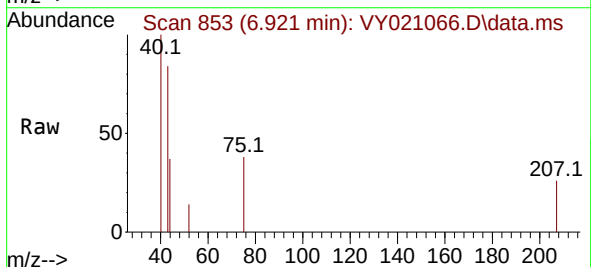


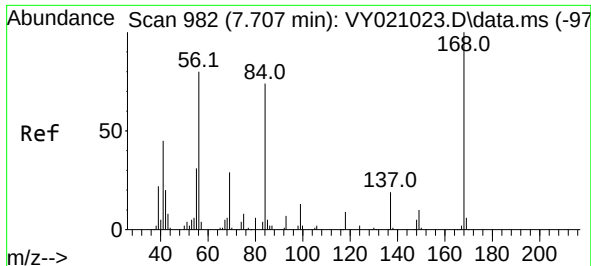
Tgt Ion: 43 Resp: 3369
Ion Ratio Lower Upper
43 100
58 26.3 26.6 39.8#



#25
2-Butanone
Concen: 2.490 ug/l
RT: 6.921 min Scan# 853
Delta R.T. 0.018 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

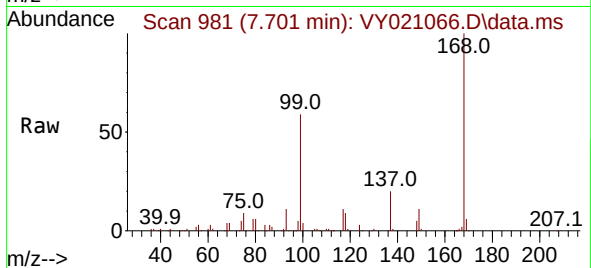
Tgt Ion: 43 Resp: 1021
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



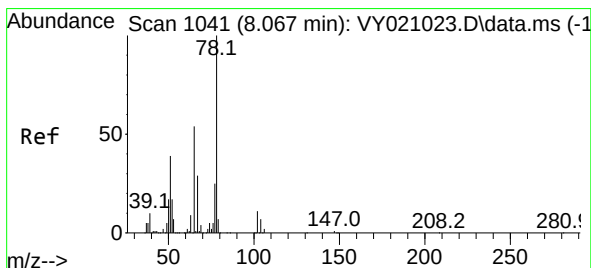
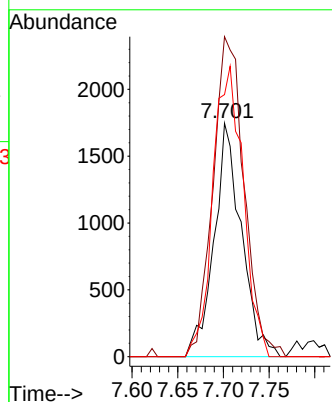
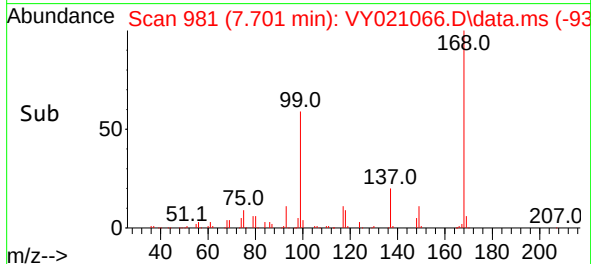


#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

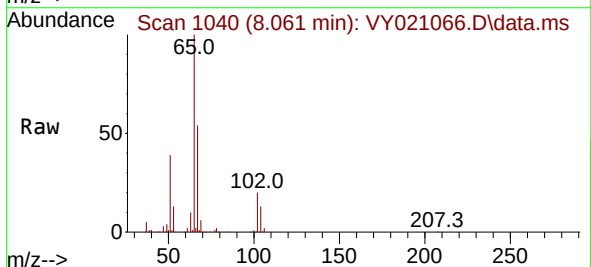
Instrument :
MSVOA_Y
ClientSampleId :



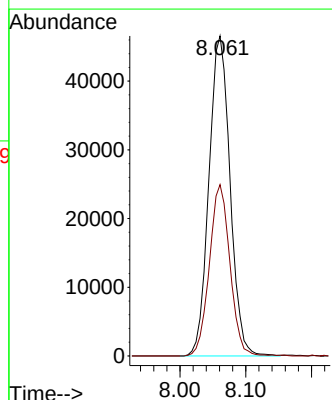
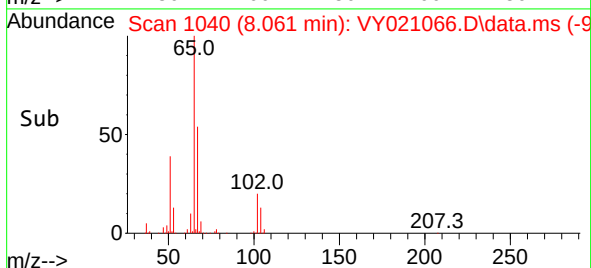
Tgt Ion: 56 Resp: 3633
Ion Ratio Lower Upper
56 100
69 137.1 27.0 40.6#
84 118.4 71.8 107.6#

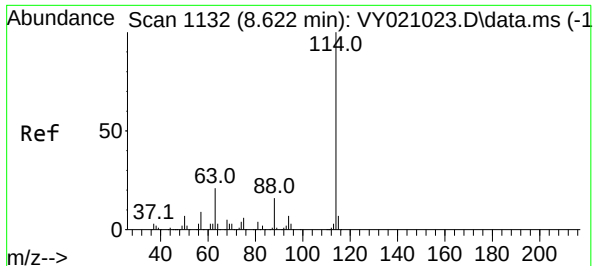


#33
1,2-Dichloroethane-d4
Concen: 65.093 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10



Tgt Ion: 65 Resp: 104156
Ion Ratio Lower Upper
65 100
67 52.2 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021066.D

Acq: 04 Feb 2025 18:10

Instrument :

MSVOA_Y

ClientSampleId :

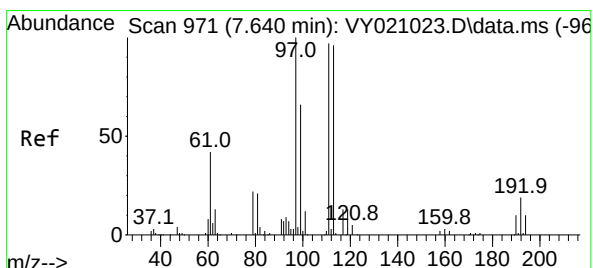
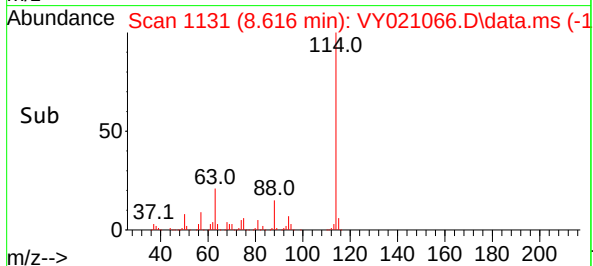
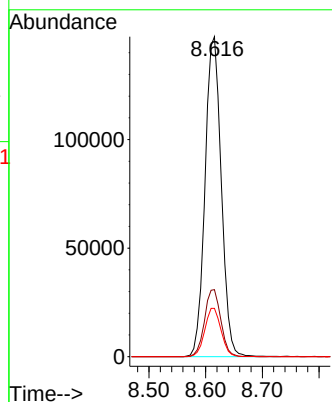
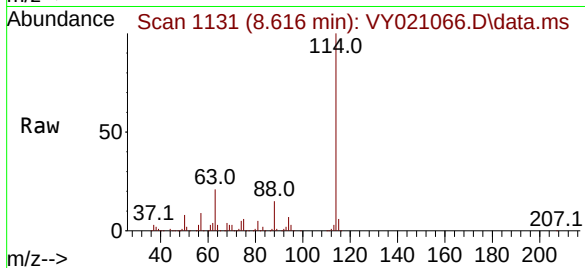
Tgt Ion:114 Resp: 292974

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

88 15.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.260 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021066.D

Acq: 04 Feb 2025 18:10

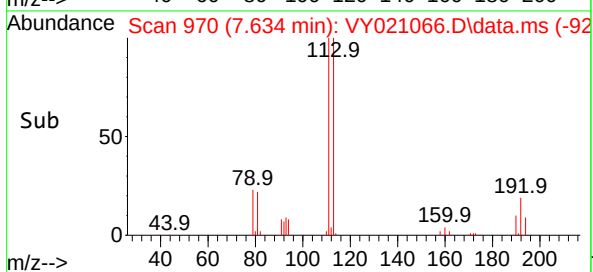
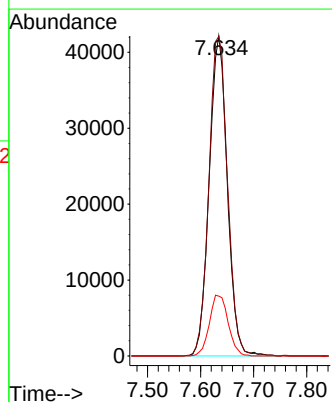
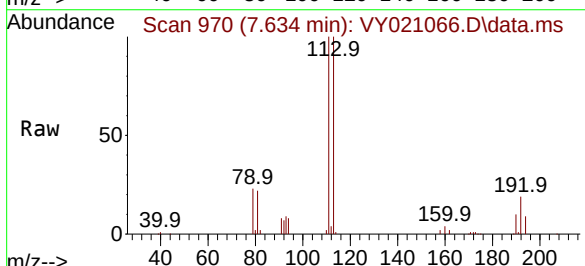
Tgt Ion:113 Resp: 99999

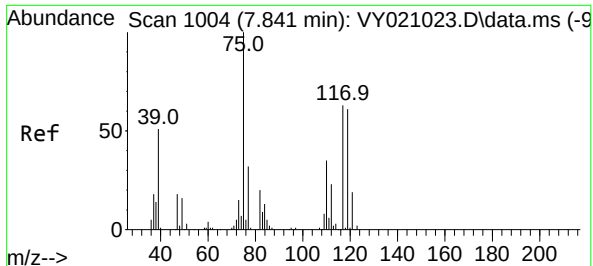
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 19.6 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.464 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY021066.D

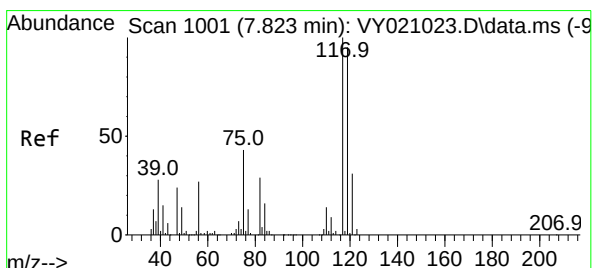
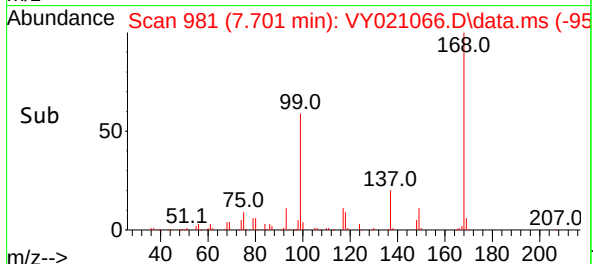
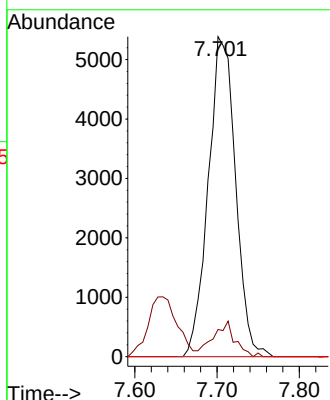
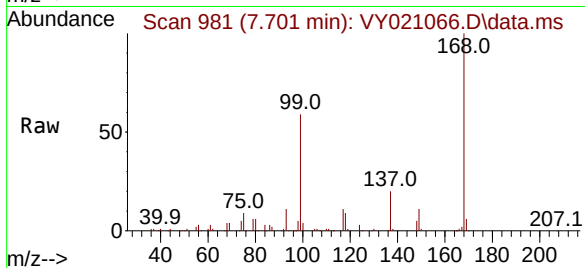
Acq: 04 Feb 2025 18:10

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	12415
Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.4	52.3#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 4.970 ug/l

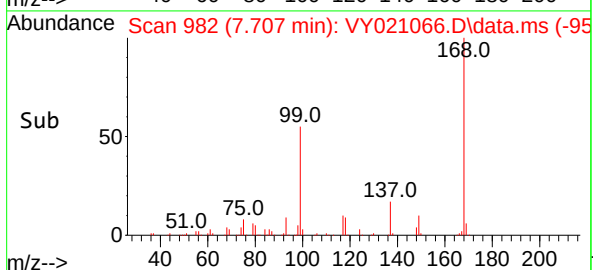
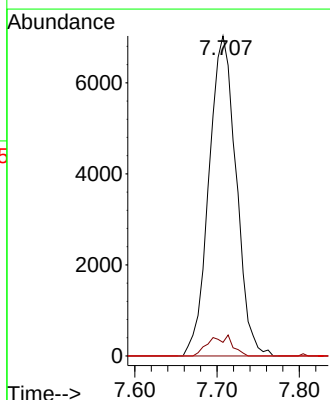
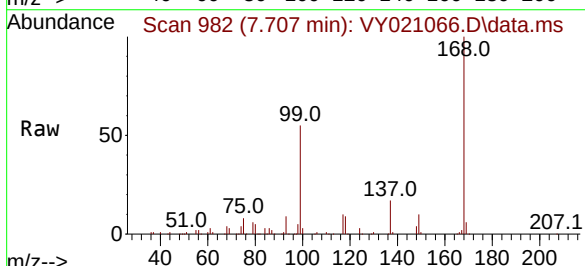
RT: 7.707 min Scan# 982

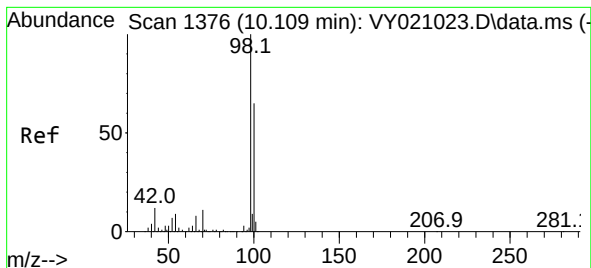
Delta R.T. -0.116 min

Lab File: VY021066.D

Acq: 04 Feb 2025 18:10

Tgt Ion:	117	Resp:	16150
Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.0	114.0#
121	0.0	24.2	36.2#

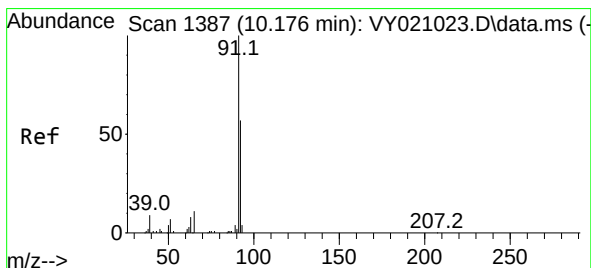
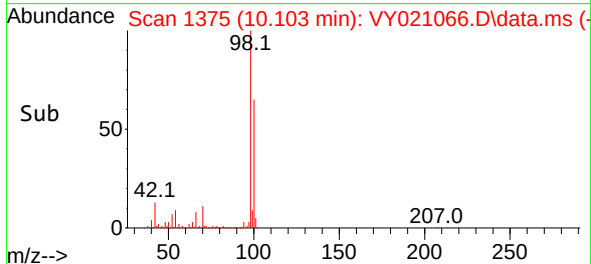
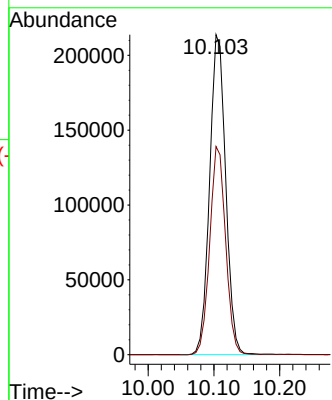
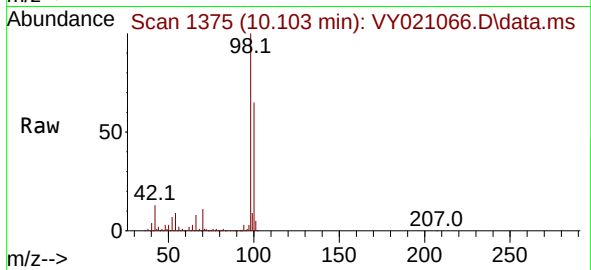




#50
Toluene-d8
Concen: 50.876 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

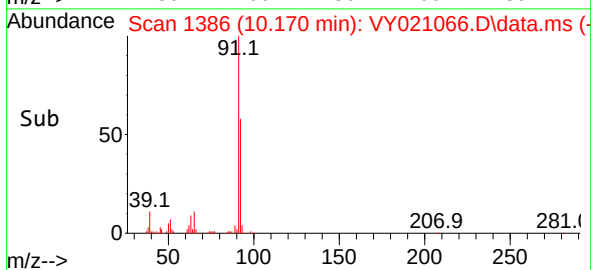
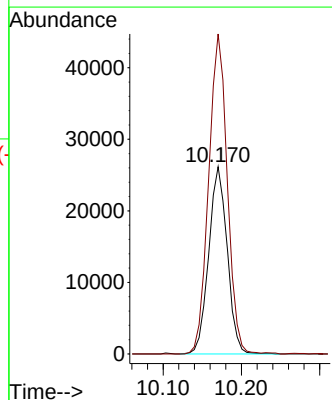
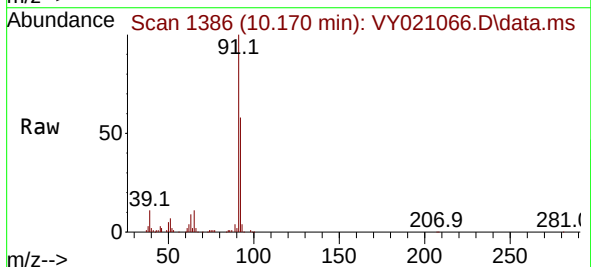
Instrument :
MSVOA_Y
ClientSampleId :

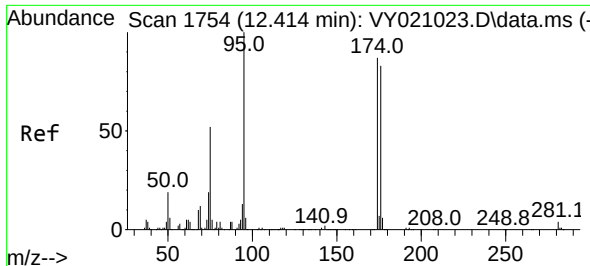
Tgt Ion: 98 Resp: 363665
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#52
Toluene
Concen: 8.357 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Tgt Ion: 92 Resp: 42823
Ion Ratio Lower Upper
92 100
91 172.2 137.6 206.4

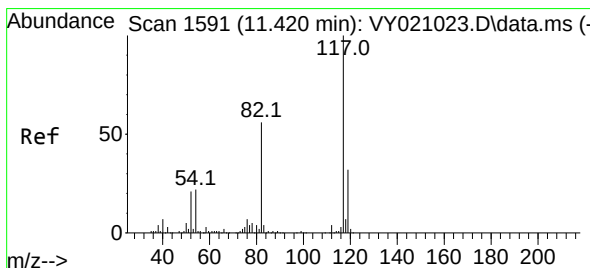
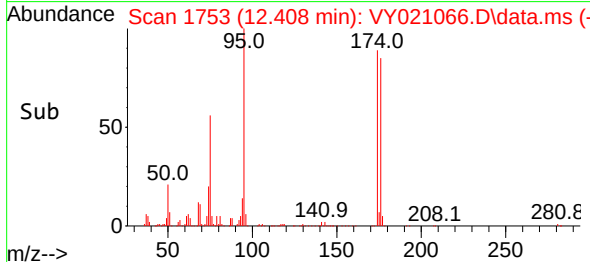
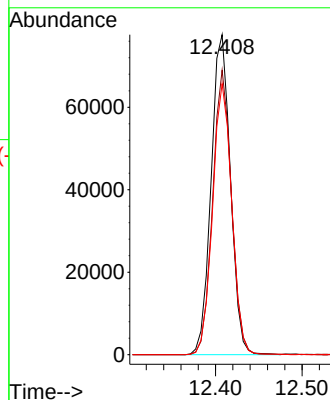
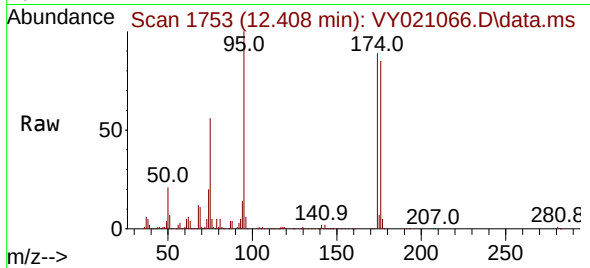




#62
4-Bromofluorobenzene
Concen: 51.454 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

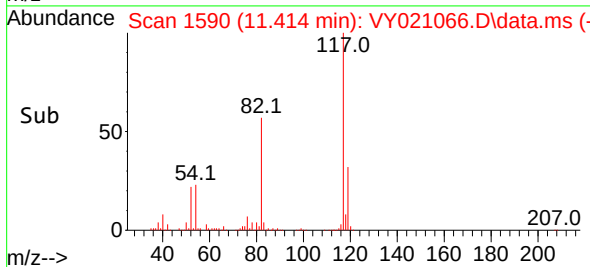
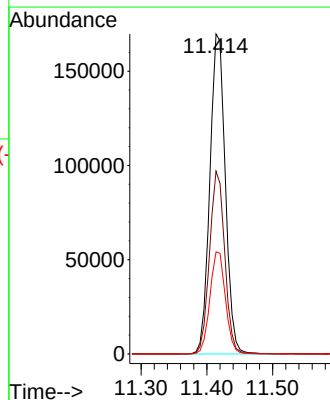
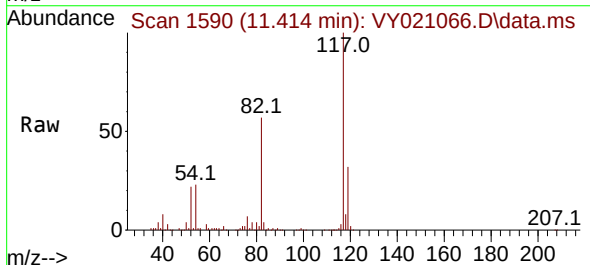
Instrument :
MSVOA_Y
ClientSampleId :

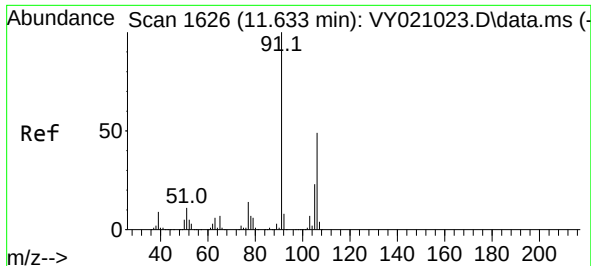
Tgt Ion: 95 Resp: 120158
Ion Ratio Lower Upper
95 100
174 86.9 0.0 160.0
176 84.1 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Tgt Ion: 117 Resp: 277904
Ion Ratio Lower Upper
117 100
82 57.1 43.8 65.8
119 31.9 26.5 39.7

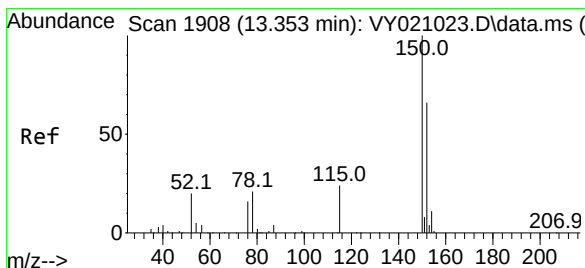
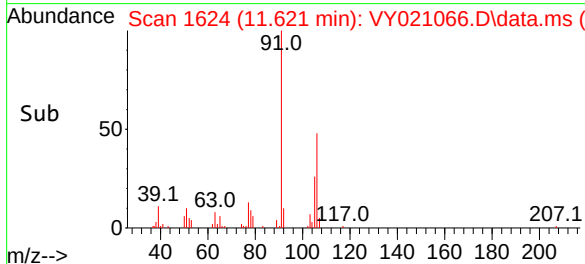
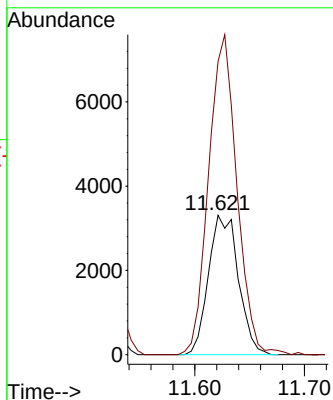
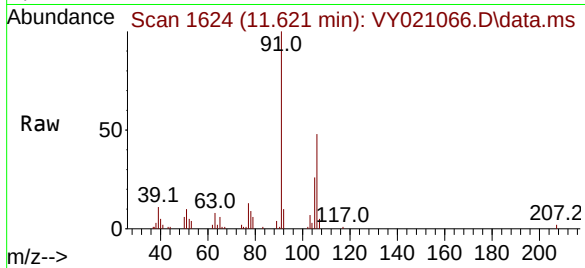




#68
m/p-Xylenes
Concen: 1.534 ug/l
RT: 11.621 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

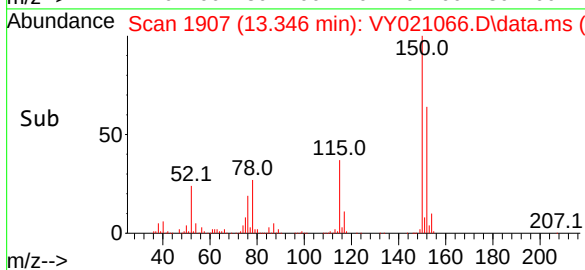
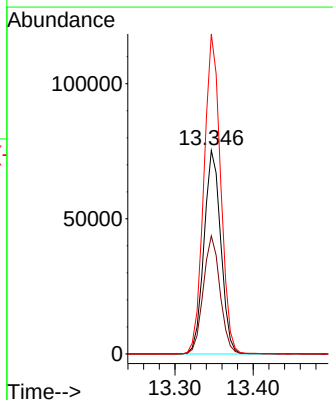
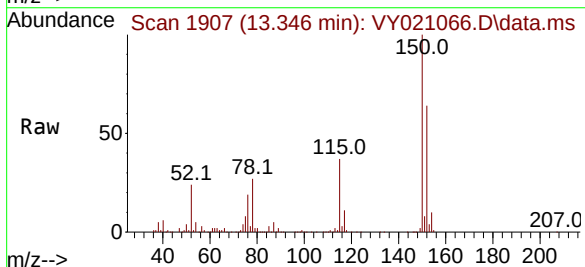
Instrument :
MSVOA_Y
ClientSampleId :

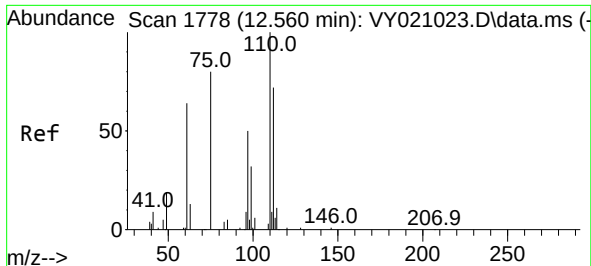
Tgt Ion:106 Resp: 6279
Ion Ratio Lower Upper
106 100
91 217.1 160.7 241.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021066.D
Acq: 04 Feb 2025 18:10

Tgt Ion:152 Resp: 111742
Ion Ratio Lower Upper
152 100
115 58.2 30.0 90.0
150 156.8 0.0 344.6

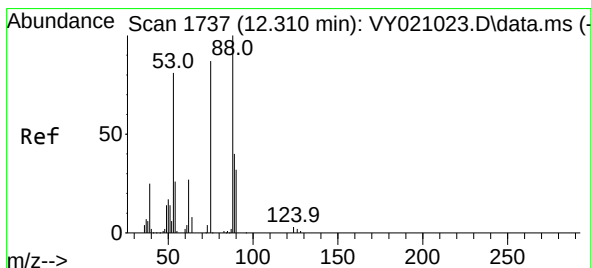
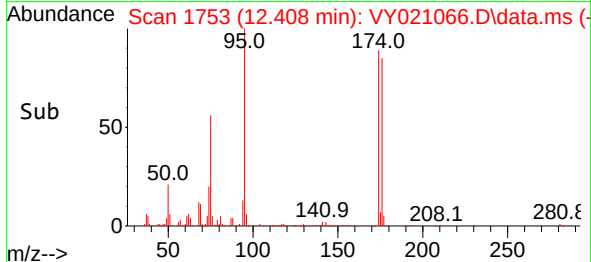
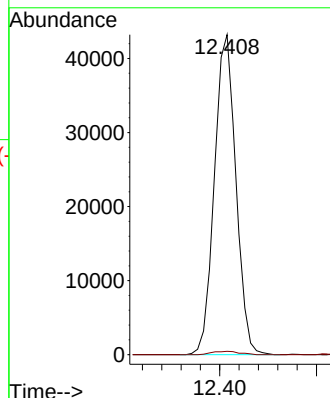
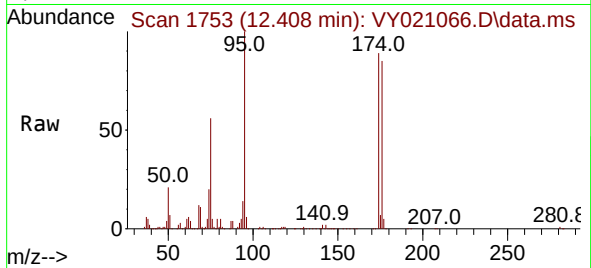




#76
 1,2,3-Trichloropropane
 Concen: 65.593 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.153 min
 Lab File: VY021066.D
 Acq: 04 Feb 2025 18:10

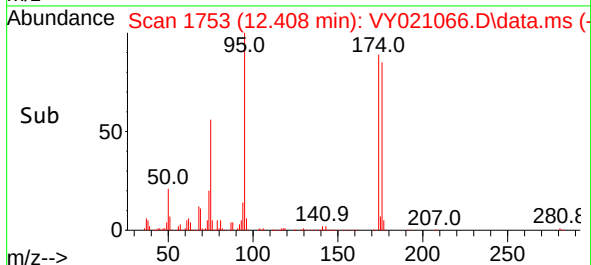
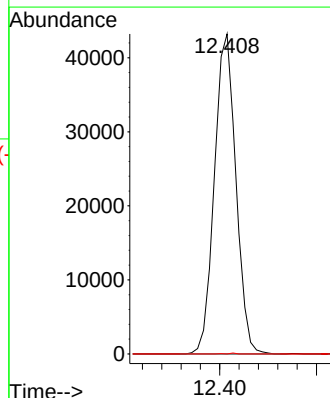
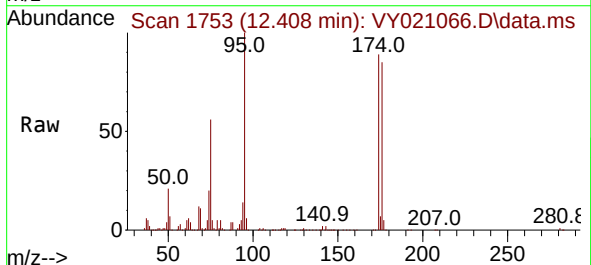
Instrument :
 MSVOA_Y
 ClientSampleId :

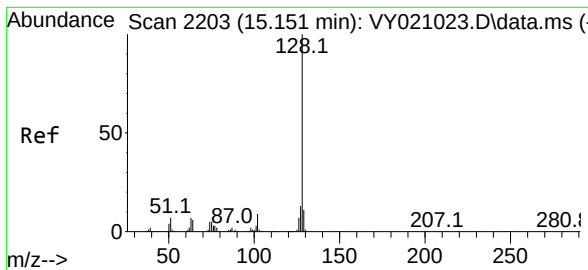
Tgt Ion: 75 Resp: 66488
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.842 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.097 min
 Lab File: VY021066.D
 Acq: 04 Feb 2025 18:10

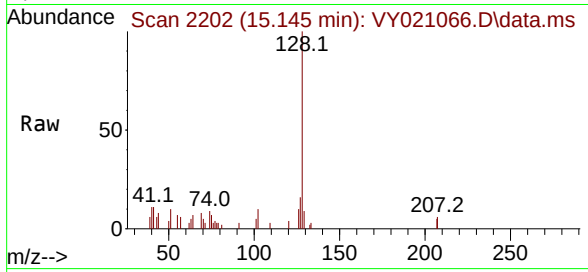
Tgt Ion: 75 Resp: 66488
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.1 36.5 54.7#





#95
 Naphthalene
 Concen: 1.324 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY021066.D
 Acq: 04 Feb 2025 18:10

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	3979
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	11.4	8.6	12.8

