

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021425\
 Data File : VY021202.D
 Acq On : 14 Feb 2025 11:29
 Operator : SY/MD
 Sample : Q1365-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 14 22:17:26 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)

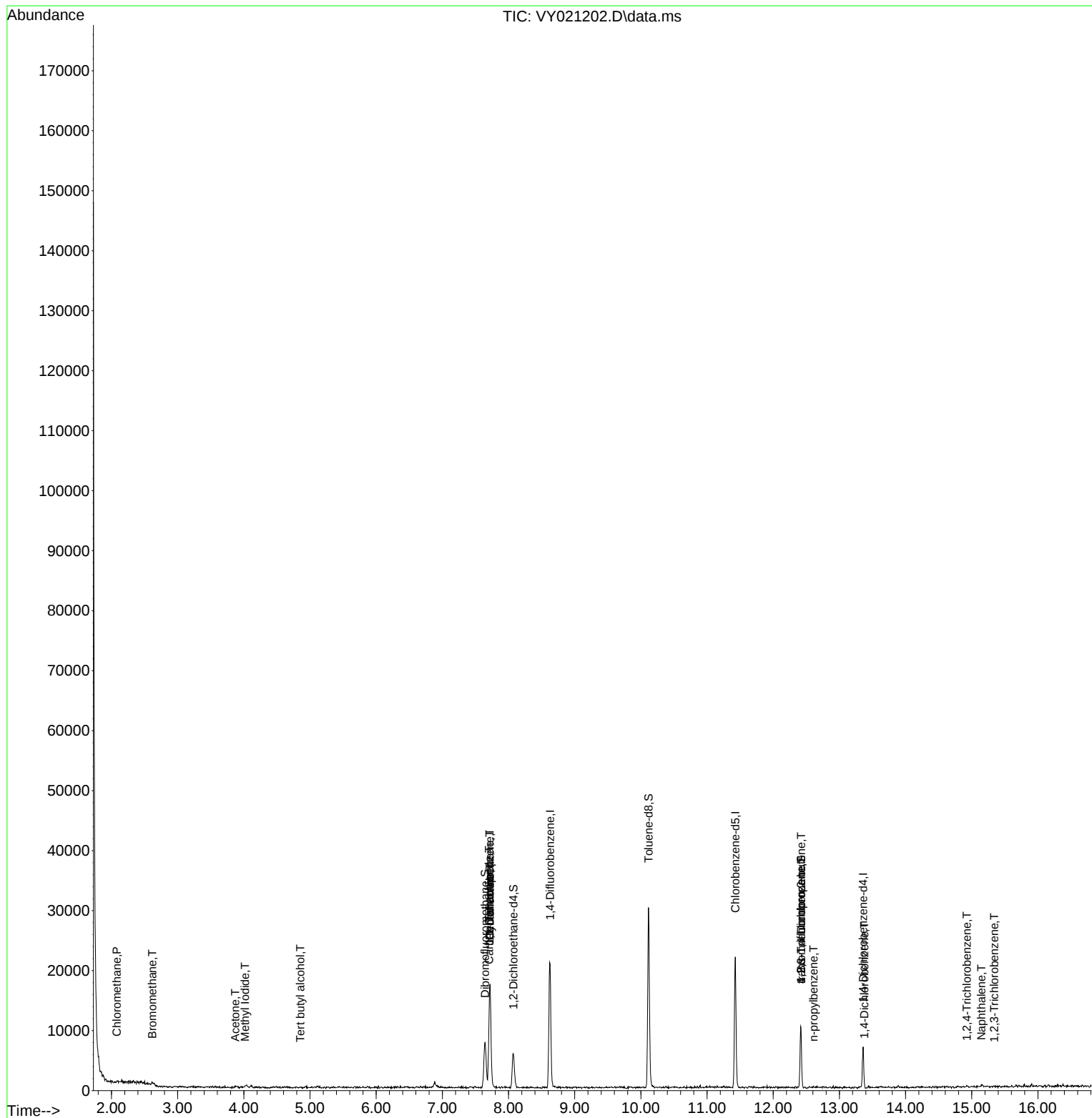
Internal Standards						
1) Pentafluorobenzene	7.719	168	13215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	18375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	11850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	1766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	5128	37.873	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	75.740%		
35) Dibromofluoromethane	7.646	113	5672	48.166	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.340%		
50) Toluene-d8	10.115	98	20737	46.255	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.520%		
62) 4-Bromofluorobenzene	12.420	95	3259	22.251	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	44.500%		
Target Compounds						Qvalue
3) Chloromethane	2.080	50	244	2.099	ug/l #	41
5) Bromomethane	2.617	94	284	3.928	ug/l	99
10) Methyl Iodide	4.019	142	173	1.164	ug/l #	67
11) Tert butyl alcohol	4.854	59	21	2.289	ug/l #	75
16) Acetone	3.873	43	94	4.452	ug/l #	41
31) Cyclohexane	7.719	56	279	1.208	ug/l #	36
36) 1,1-Dichloropropene	7.713	75	1142	6.547	ug/l #	42
38) Carbon Tetrachloride	7.707	117	1397	6.855	ug/l #	19
76) 1,2,3-Trichloropropane	12.420	75	1862	116.231	ug/l #	100
78) n-propylbenzene	12.609	91	180	1.095	ug/l #	54
81) trans-1,4-Dichloro-2-b...	12.420	75	1862	237.167	ug/l #	12
88) 1,4-Dichlorobenzene	13.377	146	78	1.289	ug/l #	45
93) 1,2,4-Trichlorobenzene	14.925	180	47	1.583	ug/l #	78
95) Naphthalene	15.145	128	334	7.030	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.340	180	103	4.168	ug/l #	52

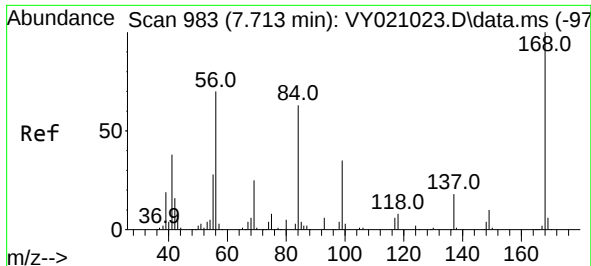
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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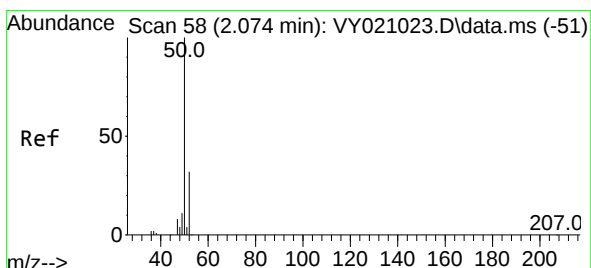
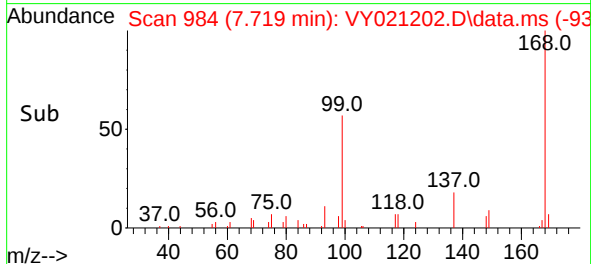
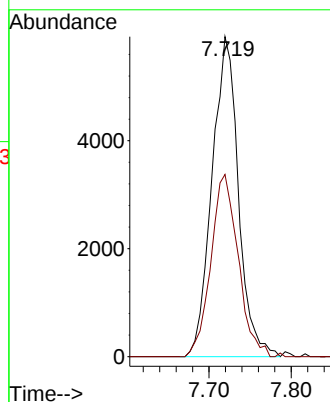
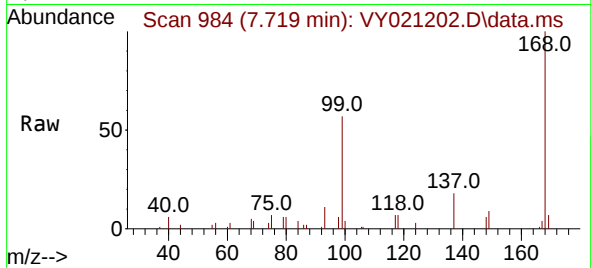




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

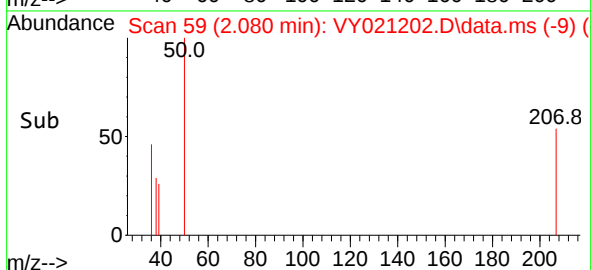
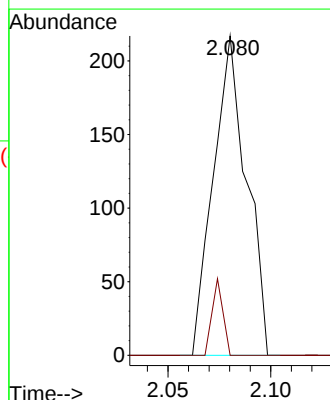
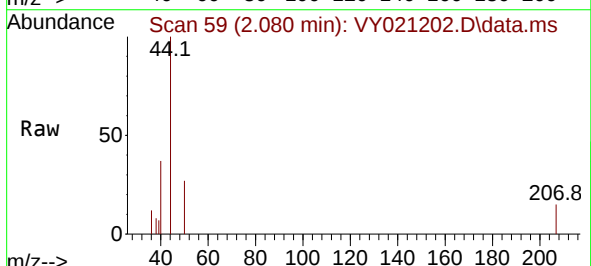
Instrument :
MSVOA_Y
ClientSampleId :

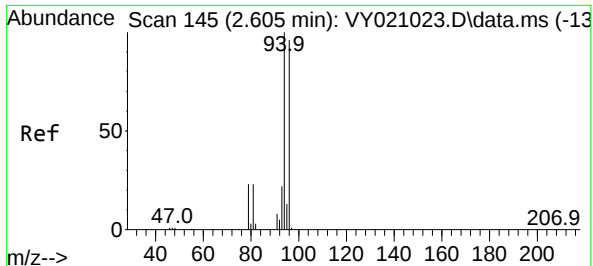
Tgt Ion:168 Resp: 13215
Ion Ratio Lower Upper
168 100
99 57.0 44.2 66.4



#3
Chloromethane
Concen: 2.099 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

Tgt Ion: 50 Resp: 244
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

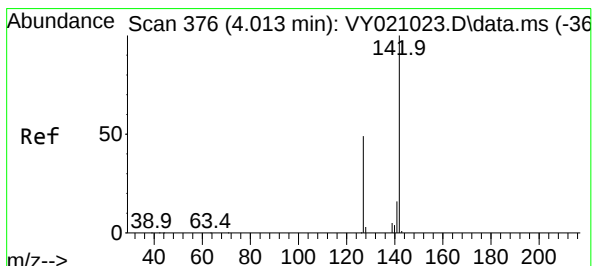
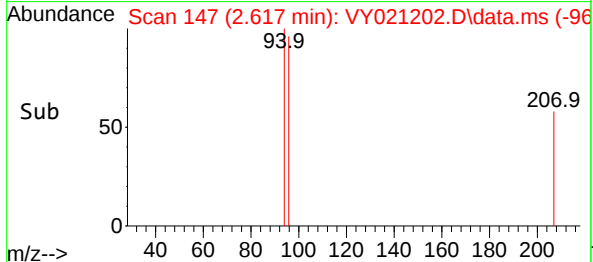
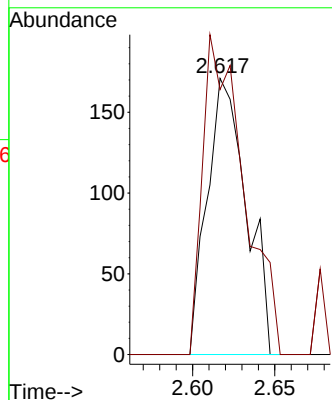
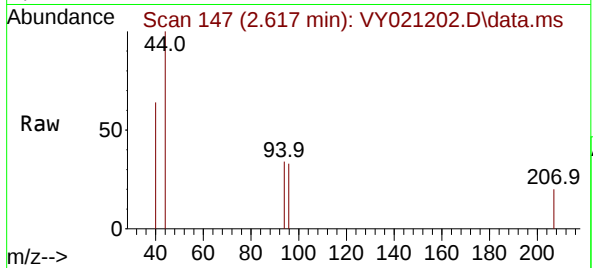




#5
Bromomethane
Concen: 3.928 ug/l
RT: 2.617 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

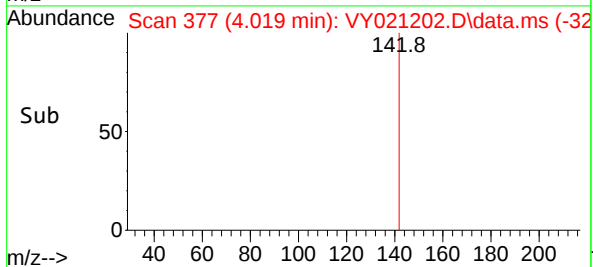
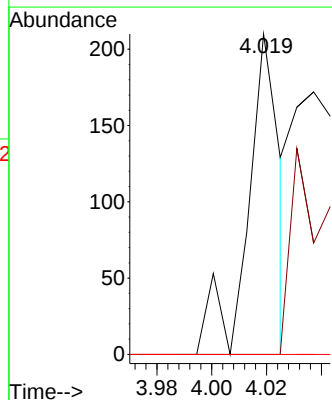
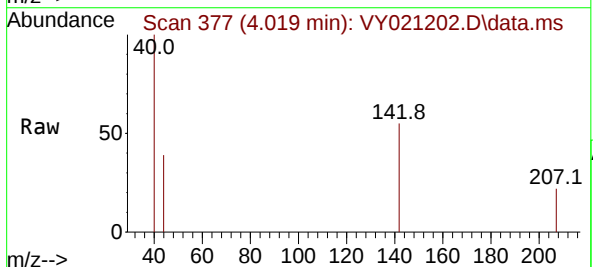
Instrument :
MSVOA_Y
ClientSampleId :

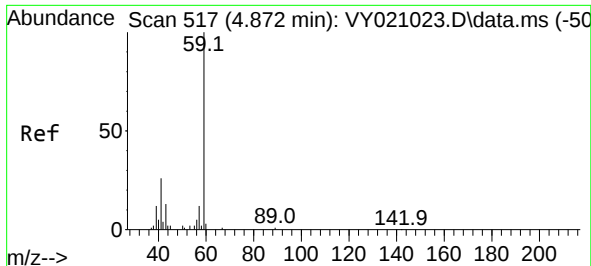
Tgt Ion: 94 Resp: 284
Ion Ratio Lower Upper
94 100
96 95.9 77.3 115.9



#10
Methyl Iodide
Concen: 1.164 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

Tgt Ion:142 Resp: 173
Ion Ratio Lower Upper
142 100
127 64.7 35.1 52.7#
141 0.0 11.8 17.6#





#11

Tert butyl alcohol

Concen: 2.289 ug/l

RT: 4.854 min Scan# 517

Delta R.T. -0.018 min

Lab File: VY021202.D

Acq: 14 Feb 2025 11:29

Instrument :

MSVOA_Y

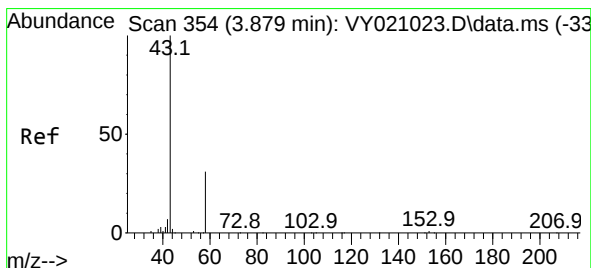
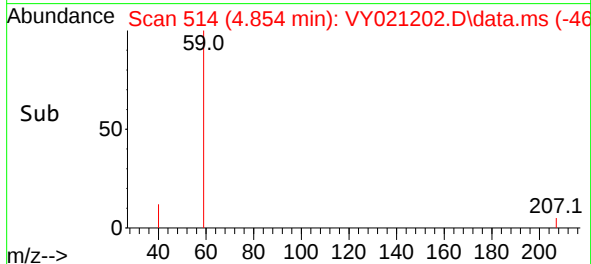
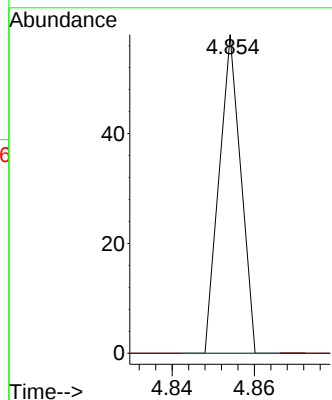
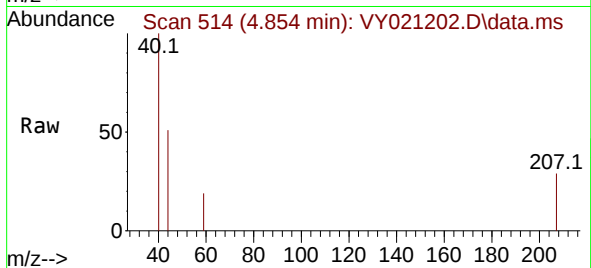
ClientSampleId :

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#



#16

Acetone

Concen: 4.452 ug/l

RT: 3.873 min Scan# 353

Delta R.T. -0.006 min

Lab File: VY021202.D

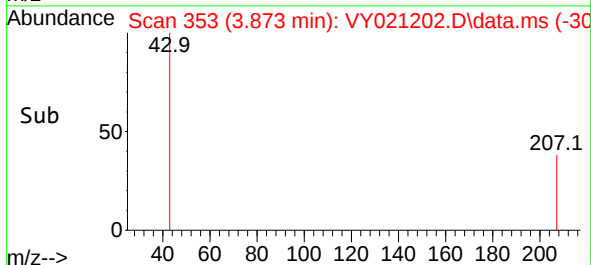
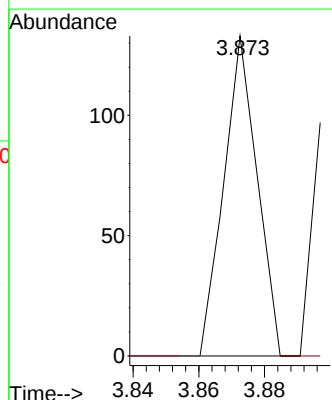
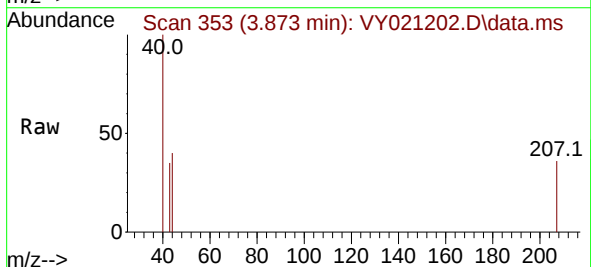
Acq: 14 Feb 2025 11:29

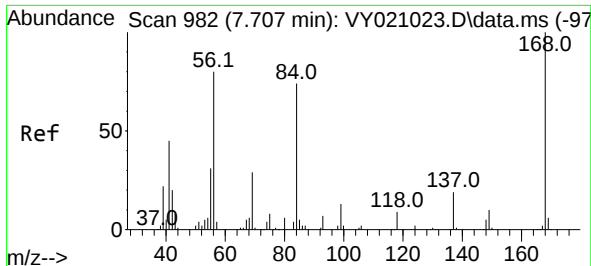
Tgt Ion: 43 Resp: 94

Ion Ratio Lower Upper

43 100

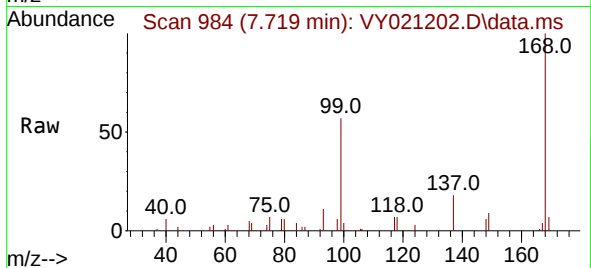
58 0.0 26.6 39.8#



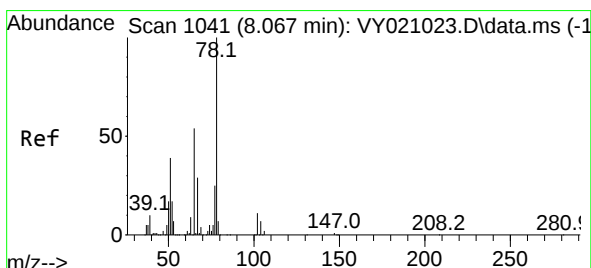
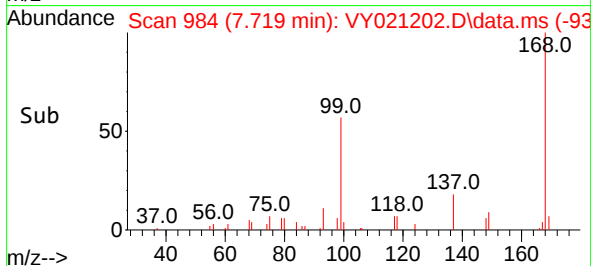
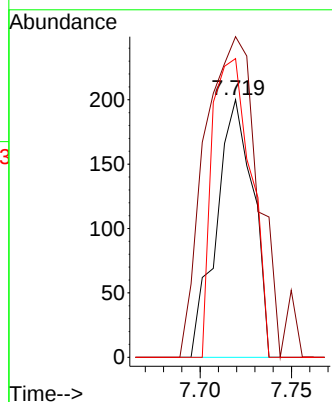


#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

Instrument :
MSVOA_Y
ClientSampleId :

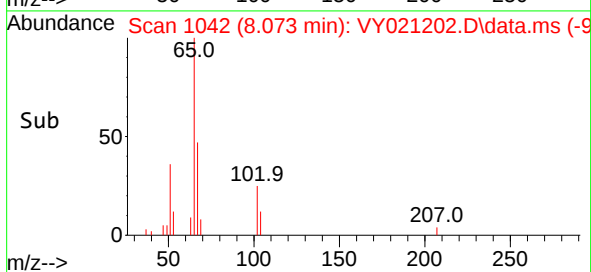
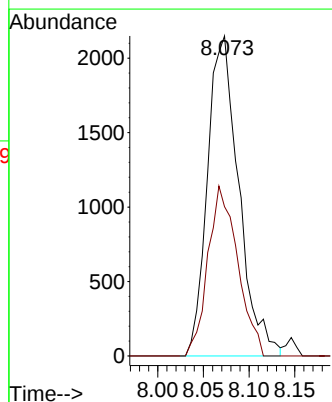
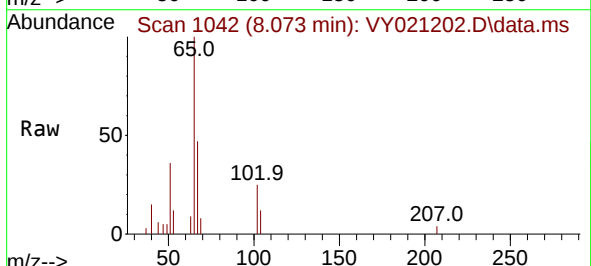


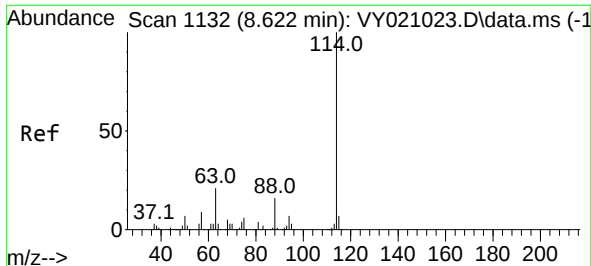
Tgt Ion: 56 Resp: 279
Ion Ratio Lower Upper
56 100
69 124.5 27.0 40.6#
84 116.0 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 37.873 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

Tgt Ion: 65 Resp: 5128
Ion Ratio Lower Upper
65 100
67 50.5 0.0 109.0

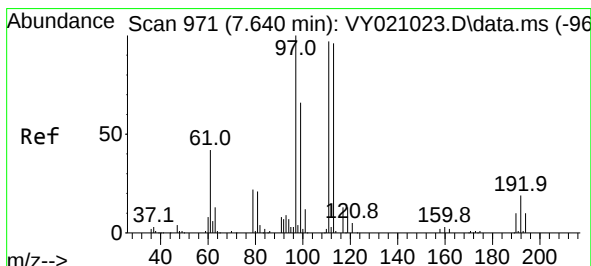
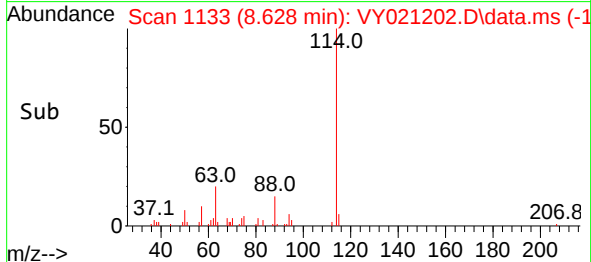
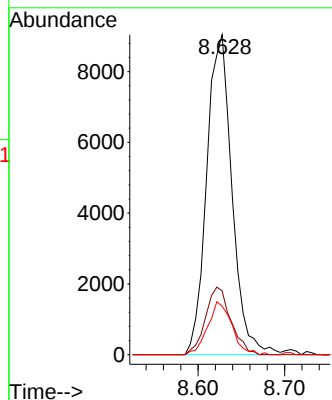
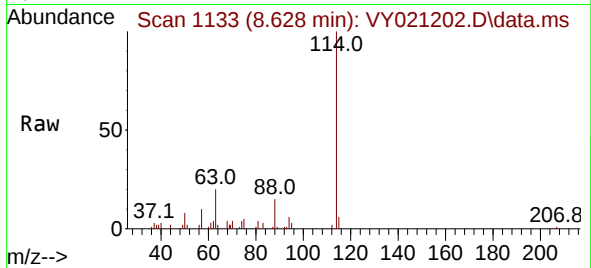




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

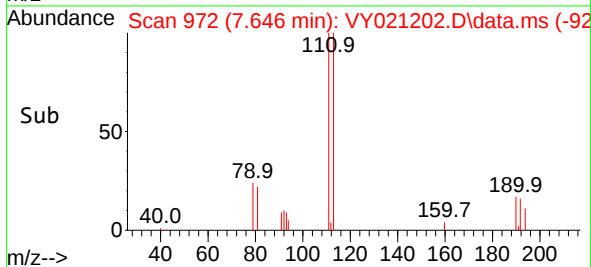
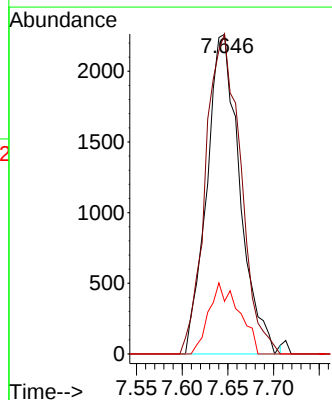
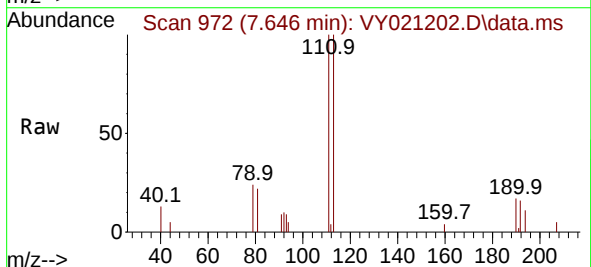
Instrument :
MSVOA_Y
ClientSampleId :

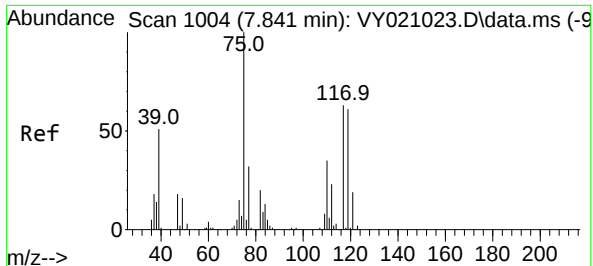
Tgt Ion:114 Resp: 18375
Ion Ratio Lower Upper
114 100
63 19.9 0.0 37.4
88 15.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 48.166 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

Tgt Ion:113 Resp: 5672
Ion Ratio Lower Upper
113 100
111 105.9 83.8 125.6
192 20.3 14.5 21.7





#36

1,1-Dichloropropene

Concen: 6.547 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY021202.D

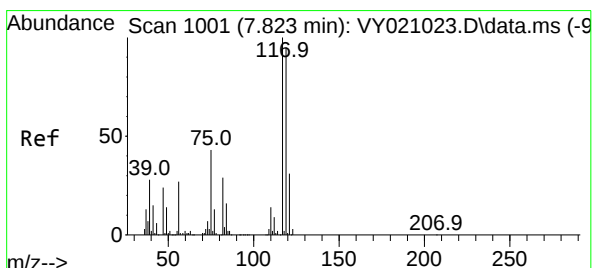
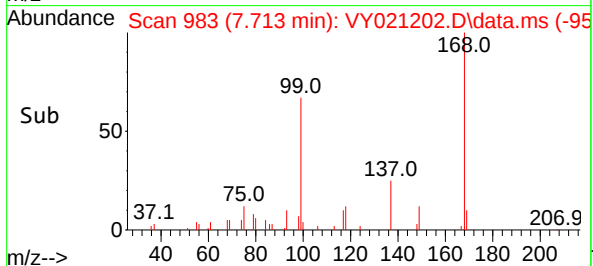
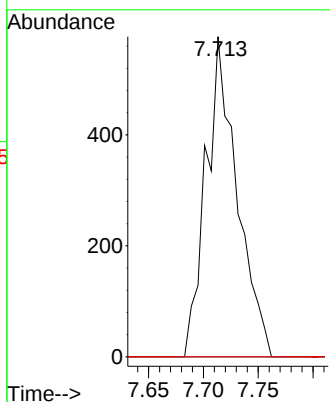
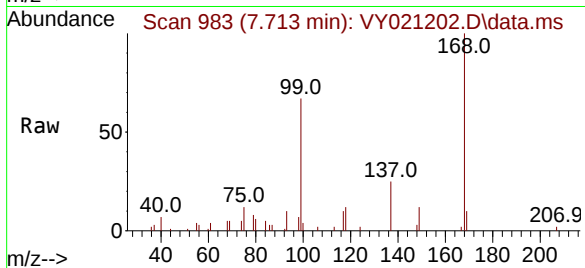
Acq: 14 Feb 2025 11:29

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 1142
Ion Ratio	Lower Upper
75	100
110	0.0 17.4 52.3#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.855 ug/l

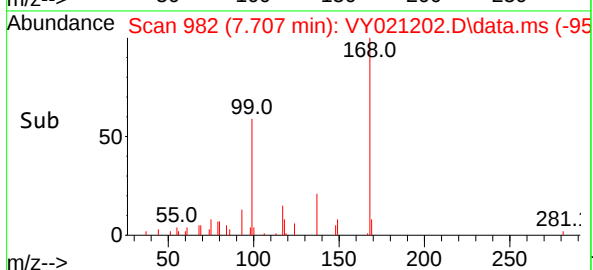
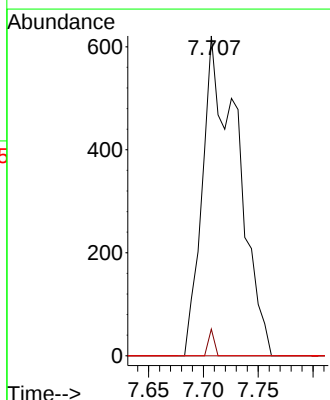
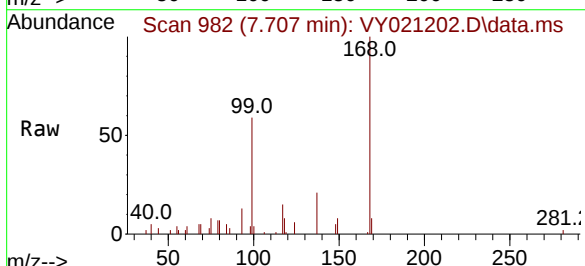
RT: 7.707 min Scan# 982

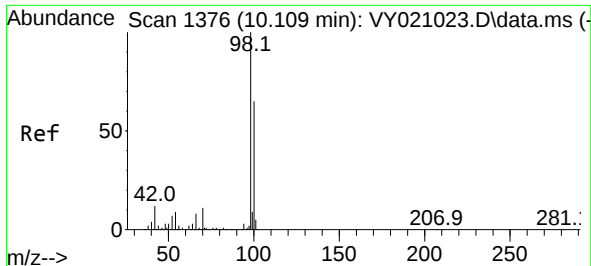
Delta R.T. -0.116 min

Lab File: VY021202.D

Acq: 14 Feb 2025 11:29

Tgt Ion: 117	Resp: 1397
Ion Ratio	Lower Upper
117	100
119	8.4 76.0 114.0#
121	0.0 24.2 36.2#





#50

Toluene-d8

Concen: 46.255 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY021202.D

Acq: 14 Feb 2025 11:29

Instrument :

MSVOA_Y

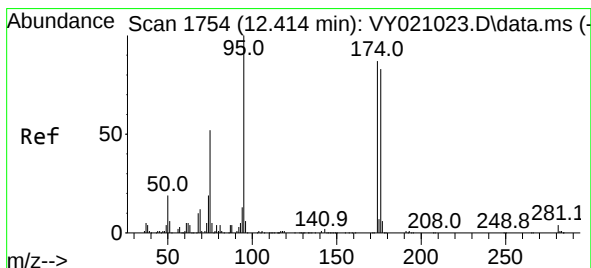
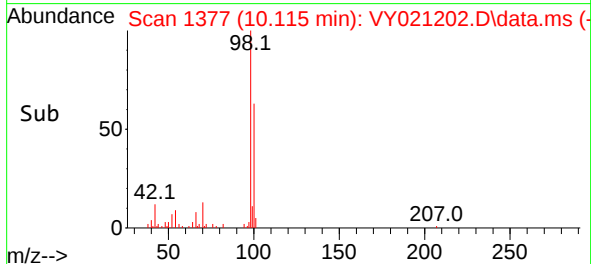
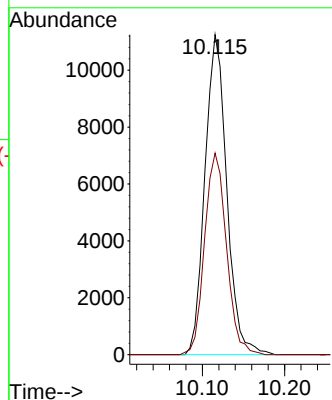
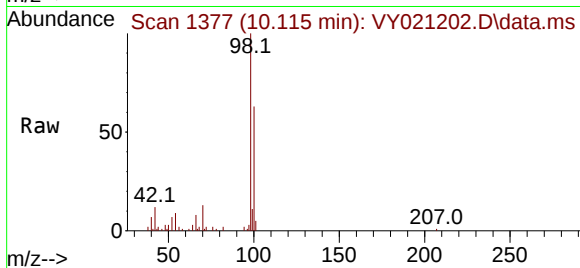
ClientSampleId :

Tgt Ion: 98 Resp: 20737

Ion Ratio Lower Upper

98 100

100 63.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 22.251 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. 0.006 min

Lab File: VY021202.D

Acq: 14 Feb 2025 11:29

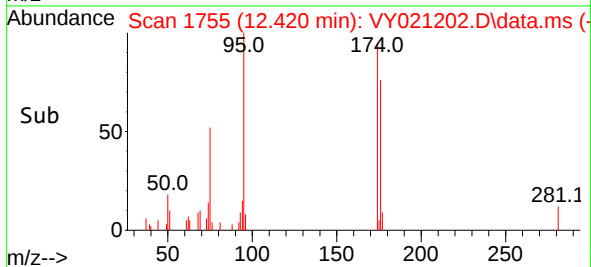
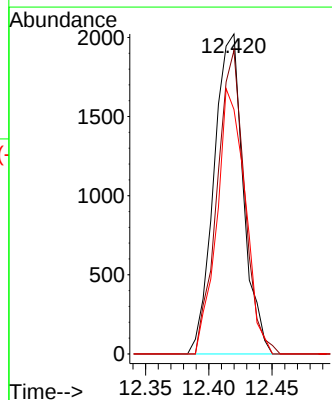
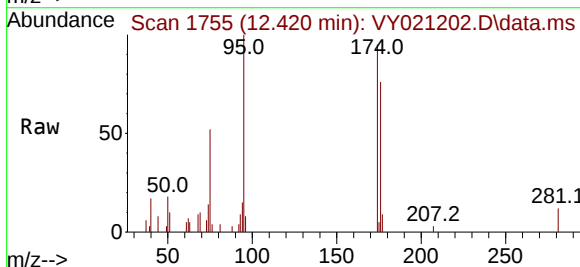
Tgt Ion: 95 Resp: 3259

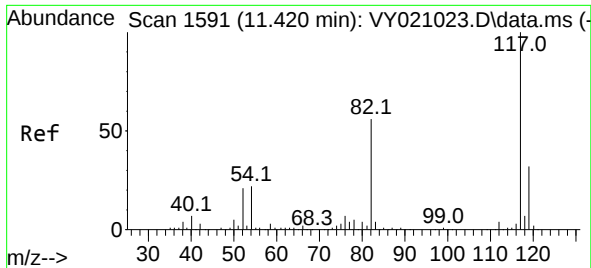
Ion Ratio Lower Upper

95 100

174 88.6 0.0 160.0

176 80.1 0.0 151.8

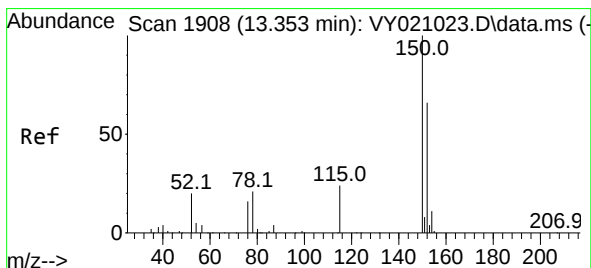
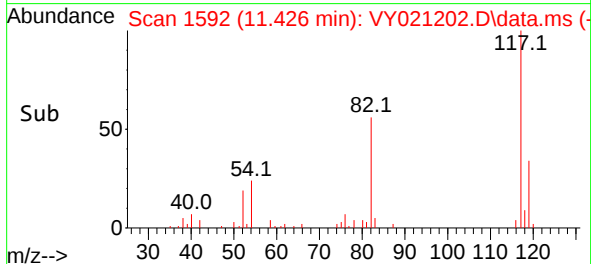
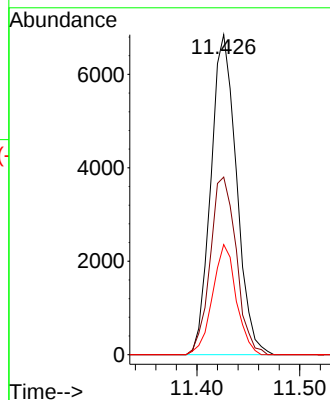
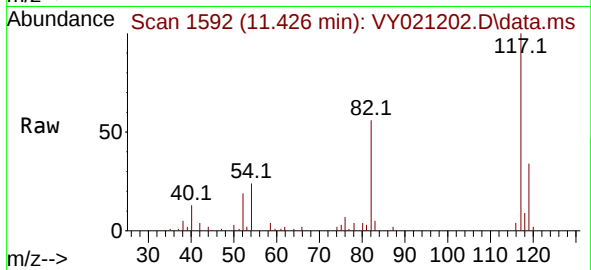




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

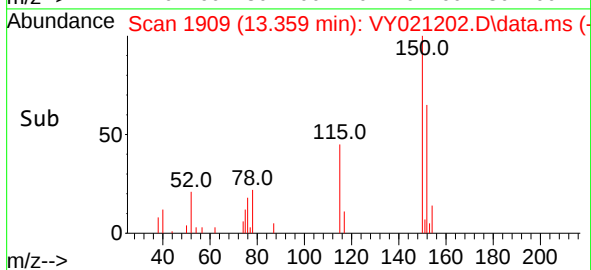
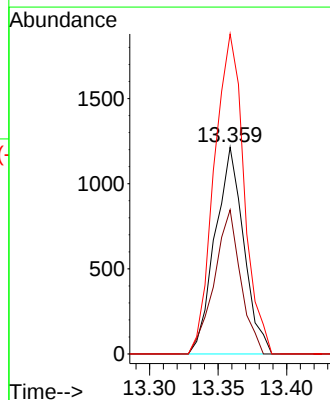
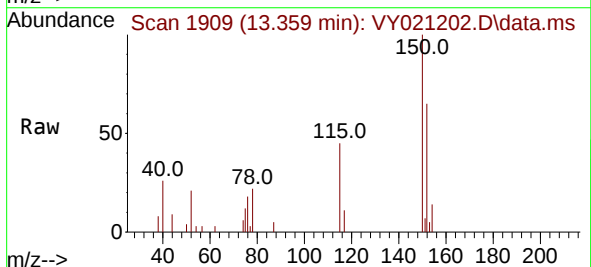
Instrument :
MSVOA_Y
ClientSampleId :

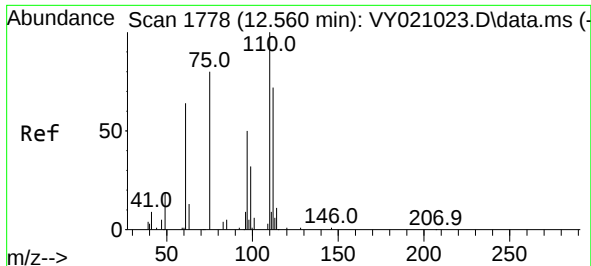
Tgt Ion:117 Resp: 11850
Ion Ratio Lower Upper
117 100
82 55.5 43.8 65.8
119 34.4 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

Tgt Ion:152 Resp: 1766
Ion Ratio Lower Upper
152 100
115 64.3 30.0 90.0
150 161.0 0.0 344.6

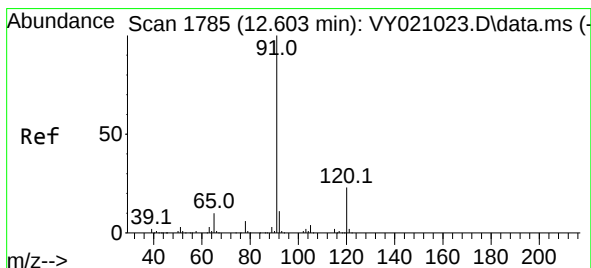
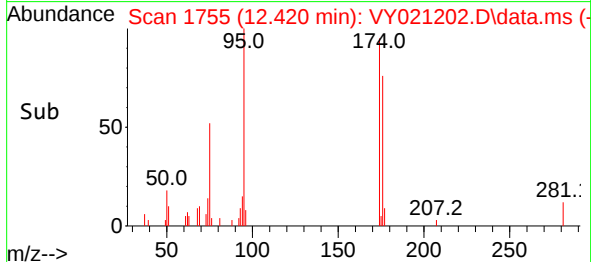
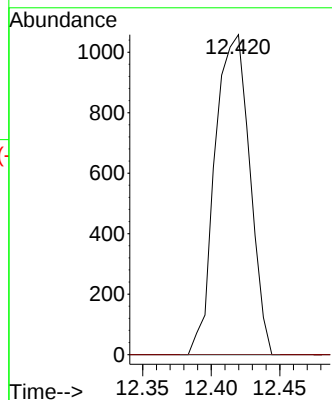
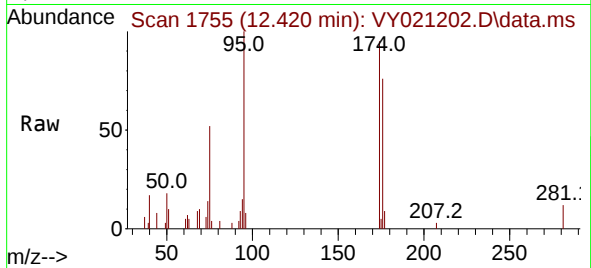




#76
1,2,3-Trichloropropane
Concen: 116.231 ug/l
RT: 12.420 min Scan# 1775
Delta R.T. -0.140 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

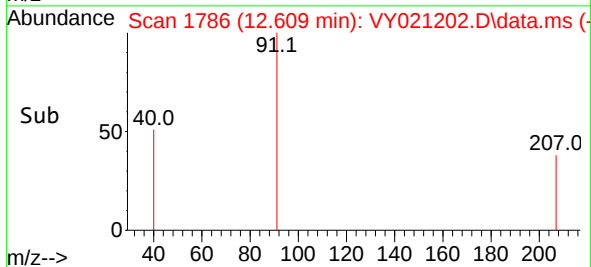
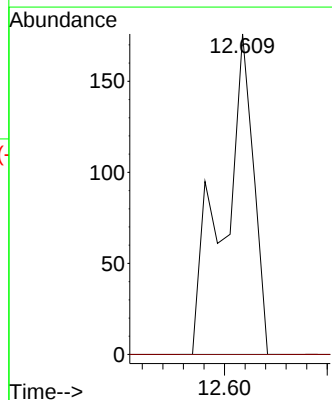
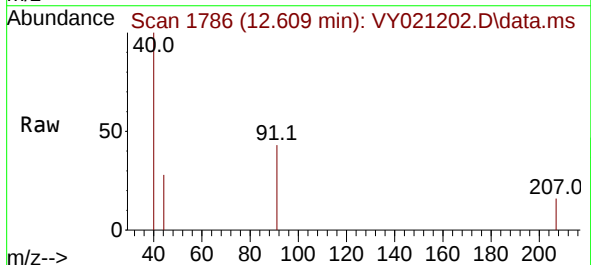
Instrument :
MSVOA_Y
ClientSampleId :

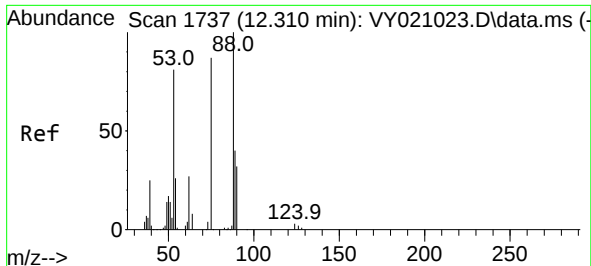
Tgt Ion: 75 Resp: 1862
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.095 ug/l
RT: 12.609 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

Tgt Ion: 91 Resp: 180
Ion Ratio Lower Upper
91 100
120 0.0 11.0 33.0#

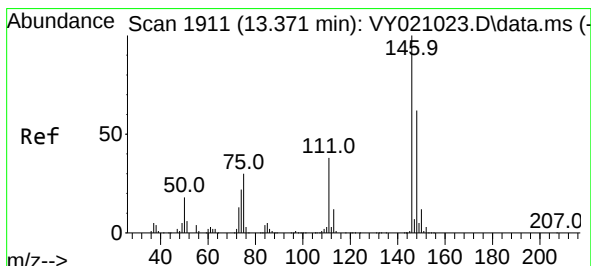
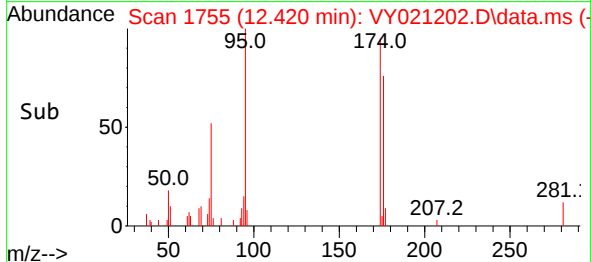
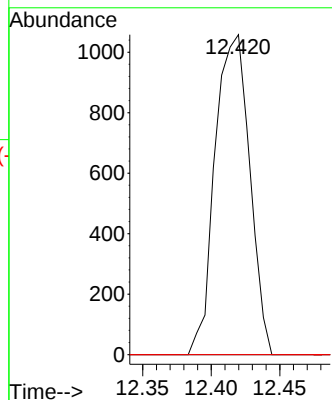
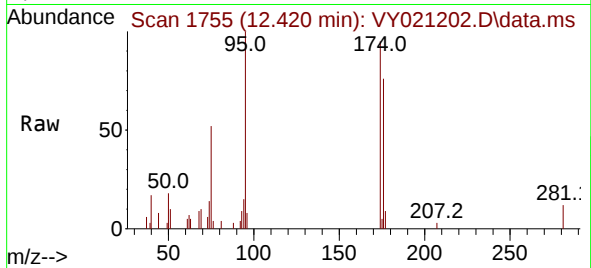




#81
trans-1,4-Dichloro-2-butene
Concen: 237.167 ug/l
RT: 12.420 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

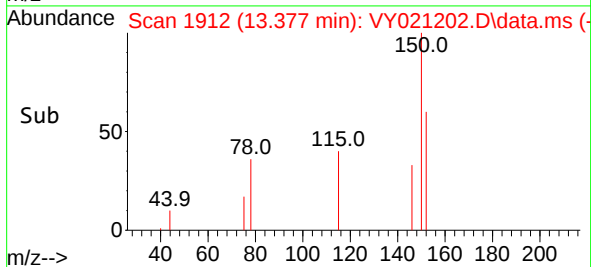
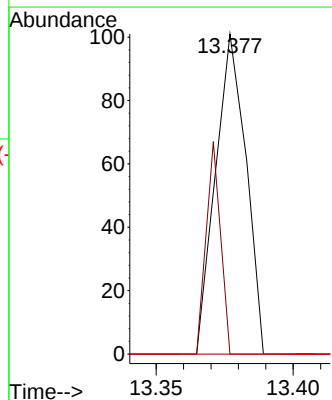
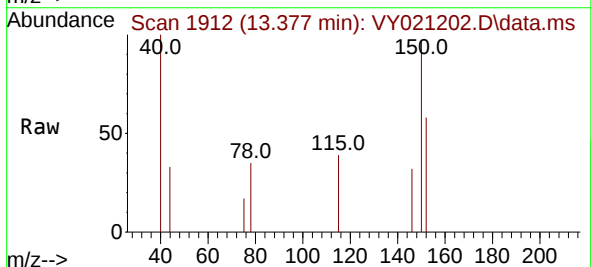
Instrument :
MSVOA_Y
ClientSampleId :

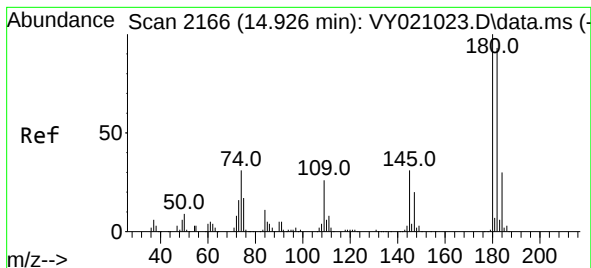
Tgt Ion: 75 Resp: 1862
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#88
1,4-Dichlorobenzene
Concen: 1.289 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VY021202.D
Acq: 14 Feb 2025 11:29

Tgt Ion:146 Resp: 78
Ion Ratio Lower Upper
146 100
111 32.1 19.3 57.9
148 0.0 31.6 94.7#





#93

1,2,4-Trichlorobenzene

Concen: 1.583 ug/l

RT: 14.925 min Scan# 21

Delta R.T. -0.000 min

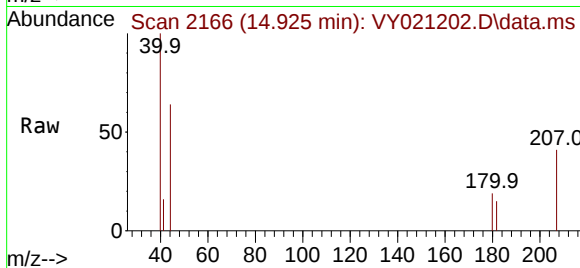
Lab File: VY021202.D

Acq: 14 Feb 2025 11:29

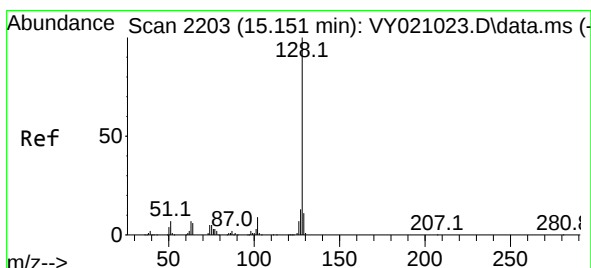
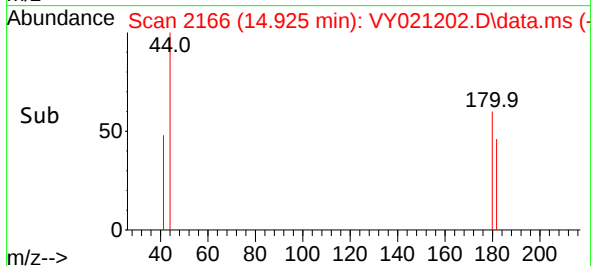
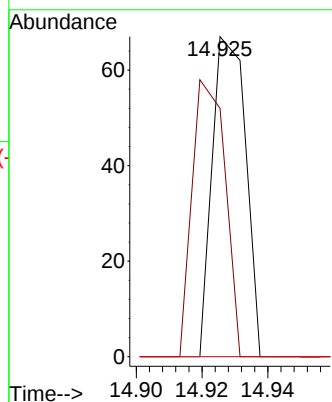
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180	Resp:	47
Ion	Ratio	Lower Upper
180	100	
182	85.1	47.9 143.7
145	0.0	15.9 47.7#



#95

Naphthalene

Concen: 7.030 ug/l

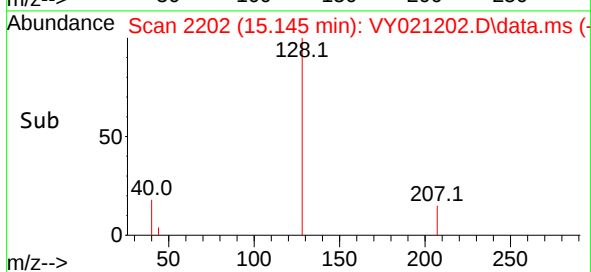
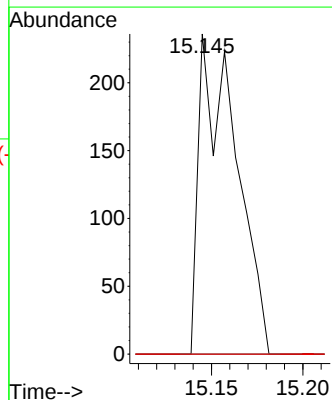
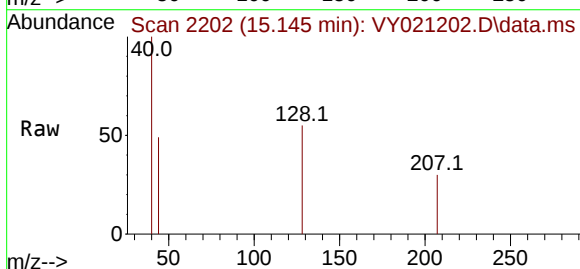
RT: 15.145 min Scan# 2202

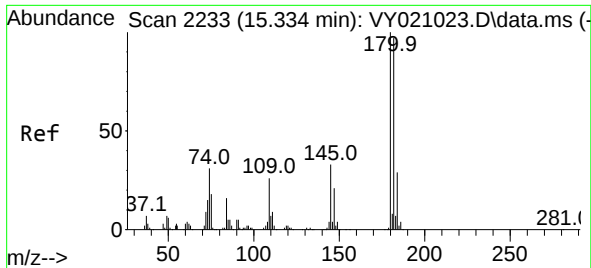
Delta R.T. -0.006 min

Lab File: VY021202.D

Acq: 14 Feb 2025 11:29

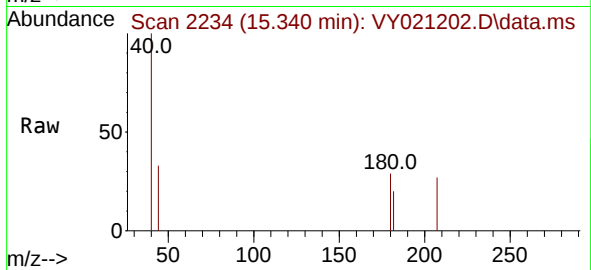
Tgt Ion:128	Resp:	334
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.2 15.4#
129	0.0	8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.168 ug/l
 RT: 15.340 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY021202.D
 Acq: 14 Feb 2025 11:29

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	49.5	46.3	138.8
145	0.0	16.1	48.2#

