

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021355.D
 Acq On : 27 Feb 2025 14:01
 Operator : SY/MD
 Sample : Q1415-03
 Misc : 4.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 28 00:41:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

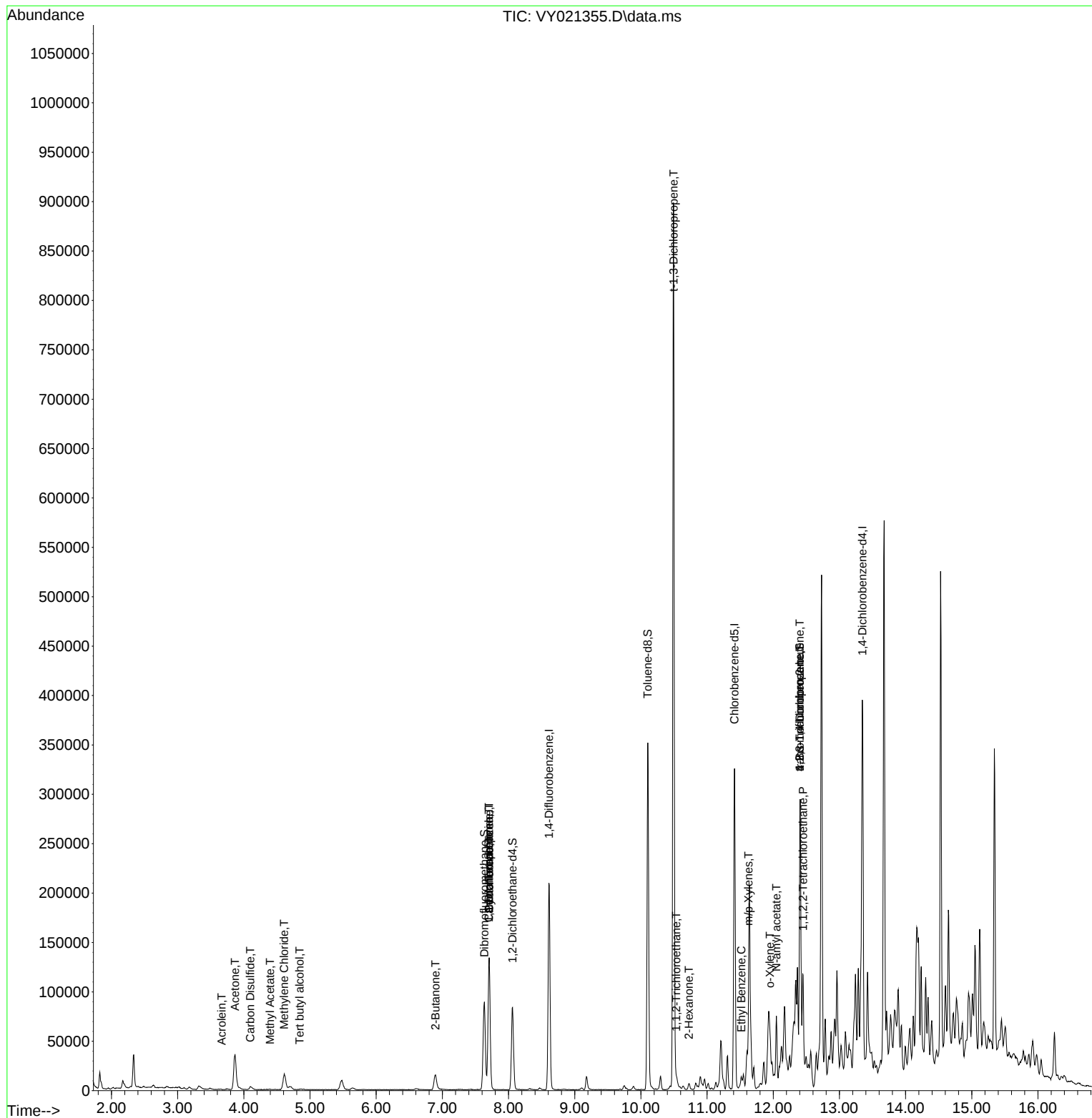
Internal Standards						
1) Pentafluorobenzene	7.707	168	98490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	174802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	165444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	72948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	66104	59.165	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.340%
35) Dibromofluoromethane	7.634	113	61849	53.969	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.940%
50) Toluene-d8	10.103	98	212983	48.088	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.180%
62) 4-Bromofluorobenzene	12.402	95	75524	50.668	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	485	5.644	ug/l #	72
13) Acrolein	3.665	56	340	5.163	ug/l	96
16) Acetone	3.867	43	62962	293.774	ug/l	98
17) Carbon Disulfide	4.098	76	5311	1.614	ug/l	97
18) Methyl Acetate	4.397	43	793	1.514	ug/l #	68
20) Methylene Chloride	4.610	84	10764	9.288	ug/l	98
25) 2-Butanone	6.896	43	24297	75.116	ug/l	99
31) Cyclohexane	7.707	56	2742	1.392	ug/l #	46
36) 1,1-Dichloropropene	7.701	75	7994	4.644	ug/l #	51
38) Carbon Tetrachloride	7.701	117	9800	5.064	ug/l #	16
53) t-1,3-Dichloropropene	10.493	75	19479	11.912	ug/l #	45
55) 1,1,2-Trichloroethane	10.536	97	2365	2.712	ug/l #	18
59) 2-Hexanone	10.725	43	2586	4.641	ug/l #	26
67) Ethyl Benzene	11.518	91	7766	1.181	ug/l	92
68) m/p-Xylenes	11.627	106	4332	1.751	ug/l	83
69) o-Xylene	11.950	106	3300	1.424	ug/l	78
74) N-amyl acetate	12.048	43	13417	9.625	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.450	83	1922	1.986	ug/l #	41
76) 1,2,3-Trichloropropane	12.402	75	41636	57.022	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	41636	126.740	ug/l #	11

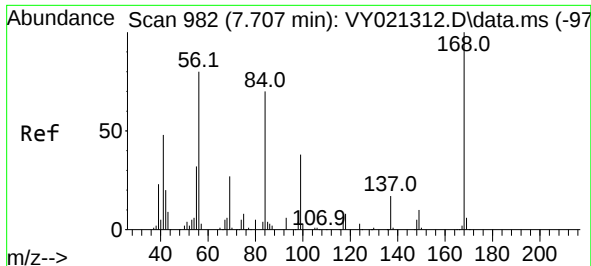
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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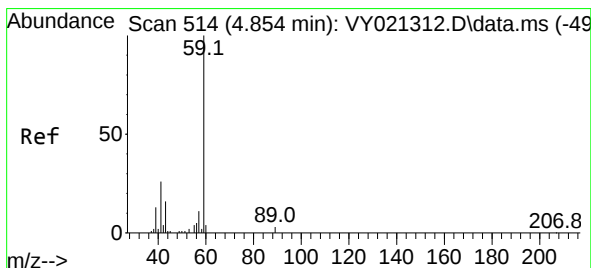
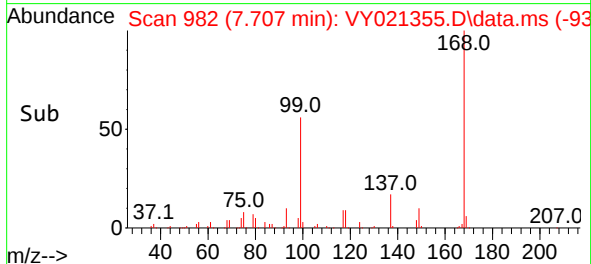
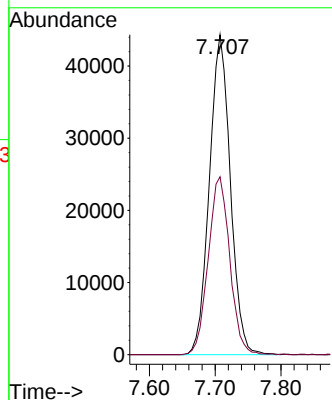
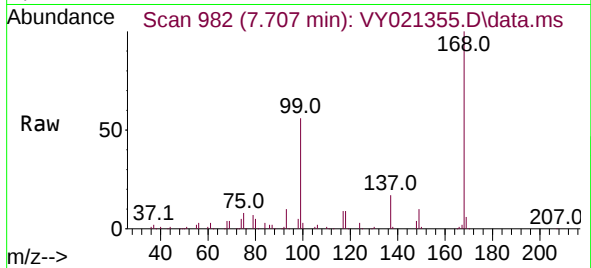




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

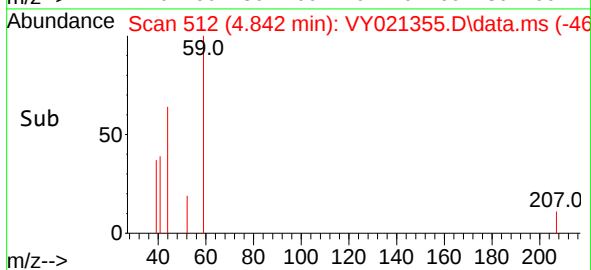
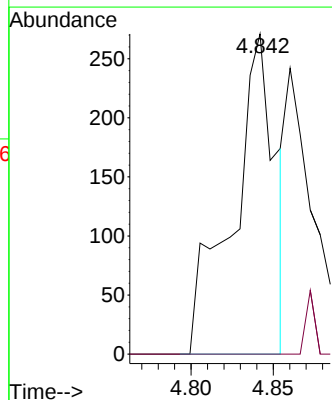
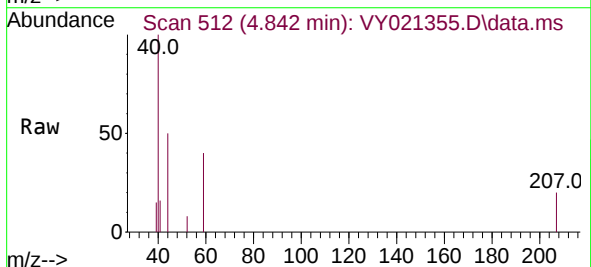
Instrument :
MSVOA_Y
ClientSampleId :

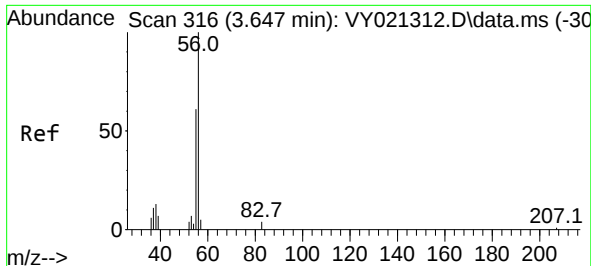
Tgt Ion:168 Resp: 98490
Ion Ratio Lower Upper
168 100
99 55.6 47.1 70.7



#11
Tert butyl alcohol
Concen: 5.644 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

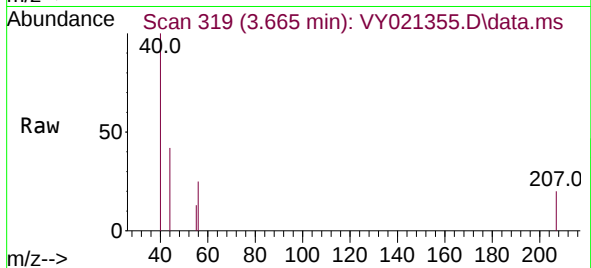
Tgt Ion: 59 Resp: 485
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



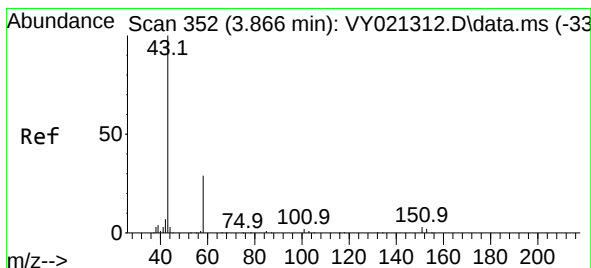
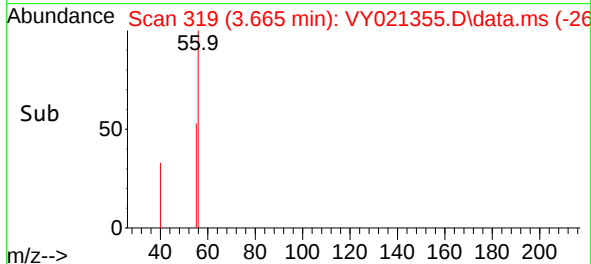
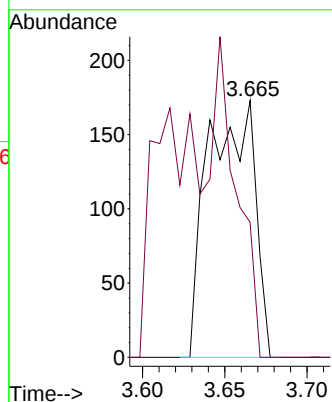


#13
Acrolein
Concen: 5.163 ug/l
RT: 3.665 min Scan# 316
Delta R.T. 0.018 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :

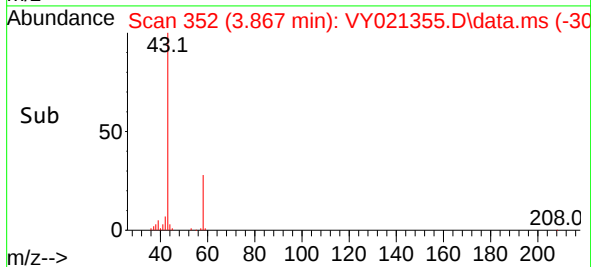
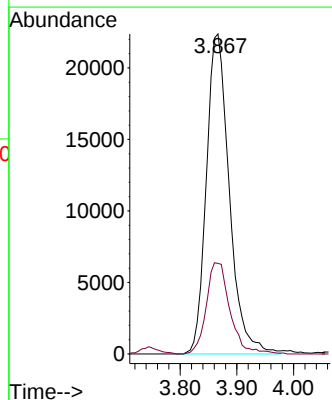
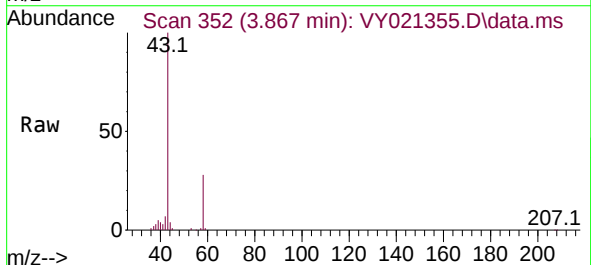


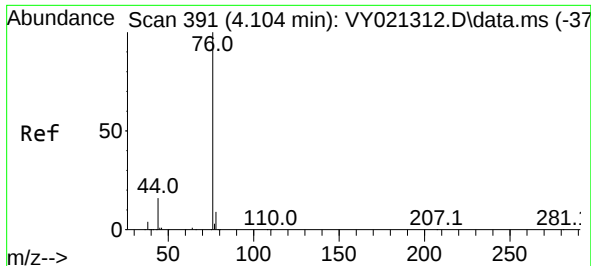
Tgt Ion: 56 Resp: 340
Ion Ratio Lower Upper
56 100
55 70.3 59.0 88.6



#16
Acetone
Concen: 293.774 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

Tgt Ion: 43 Resp: 62962
Ion Ratio Lower Upper
43 100
58 28.3 23.5 35.3

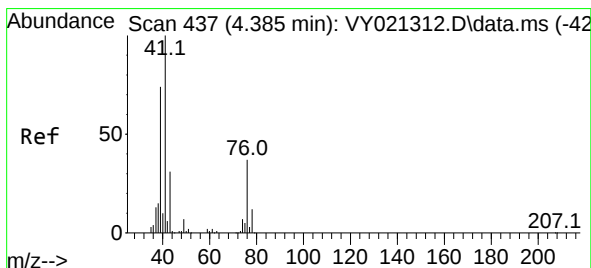
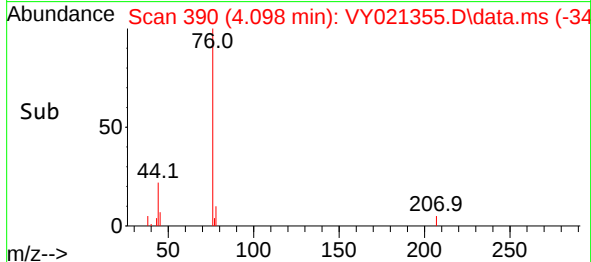
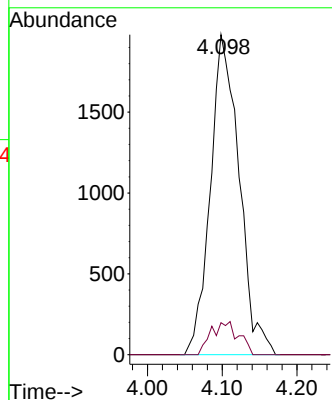
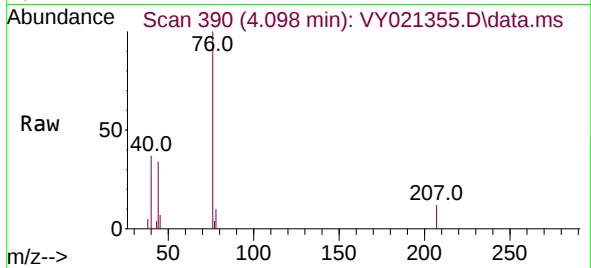




#17
Carbon Disulfide
Concen: 1.614 ug/l
RT: 4.098 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

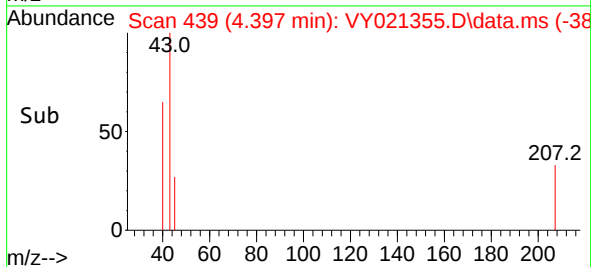
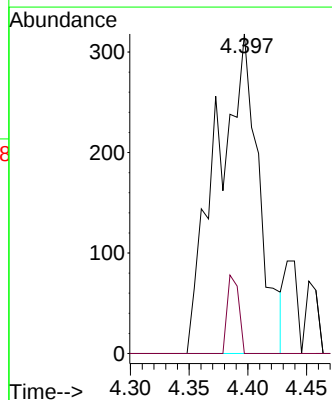
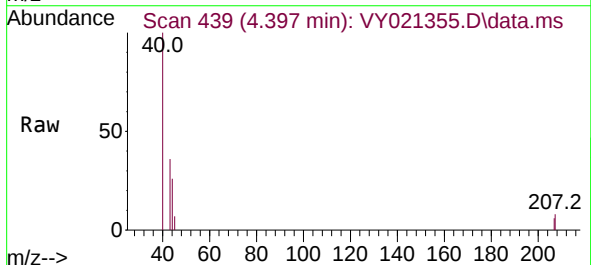
Instrument :
MSVOA_Y
ClientSampleId :

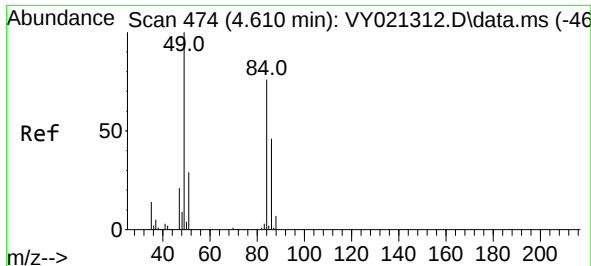
Tgt Ion: 76 Resp: 5311
Ion Ratio Lower Upper
76 100
78 10.0 7.1 10.7



#18
Methyl Acetate
Concen: 1.514 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

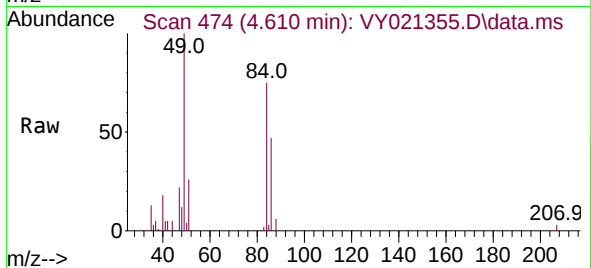
Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
74 6.7 17.7 26.5#



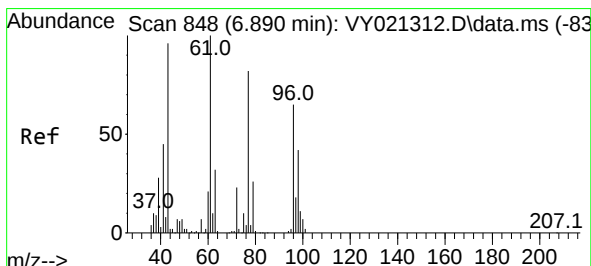
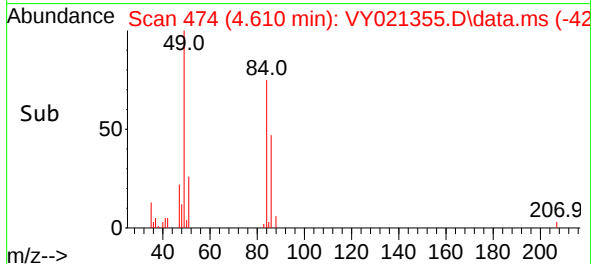
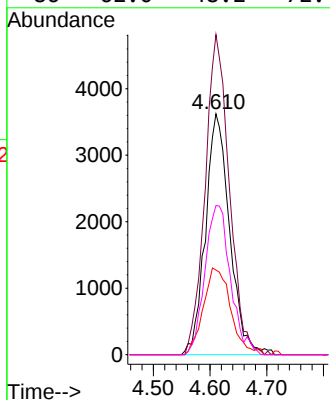


#20
Methylene Chloride
Concen: 9.288 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :

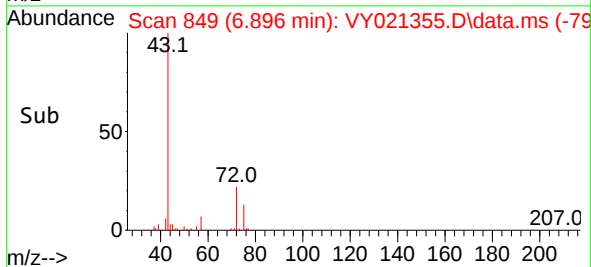
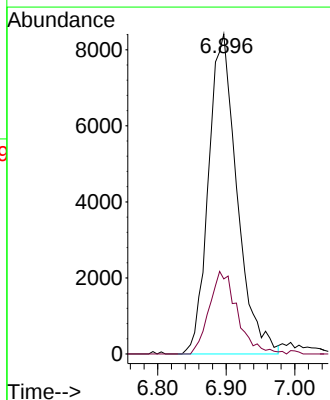
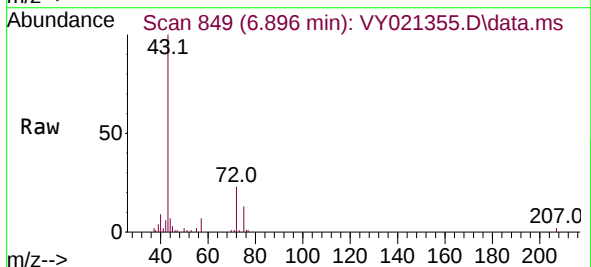


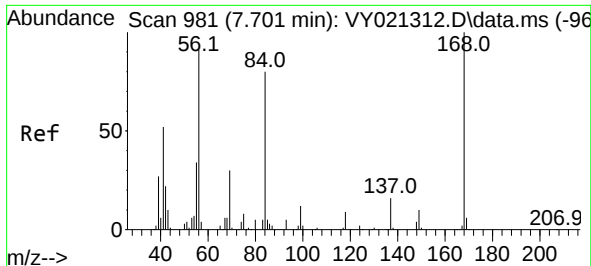
Tgt Ion:	84	Resp:	10764
Ion	Ratio	Lower	Upper
84	100		
49	132.9	105.1	157.7
51	35.2	31.0	46.4
86	62.0	48.2	72.4



#25
2-Butanone
Concen: 75.116 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

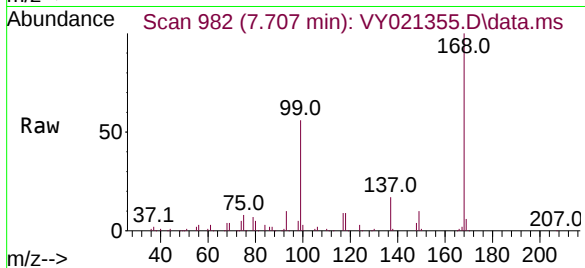
Tgt Ion:	43	Resp:	24297
Ion	Ratio	Lower	Upper
43	100		
72	23.5	19.0	28.6



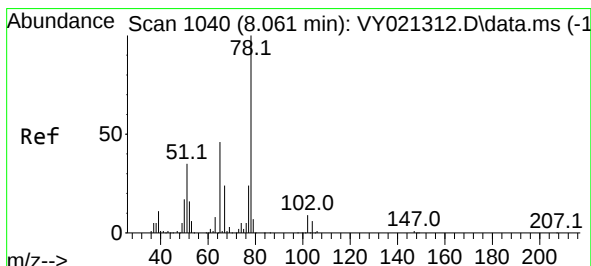
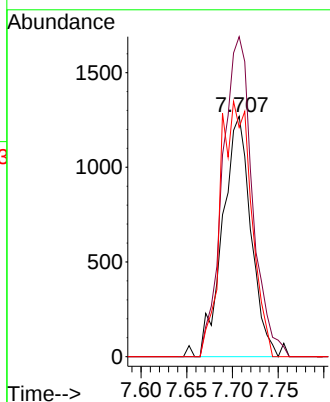
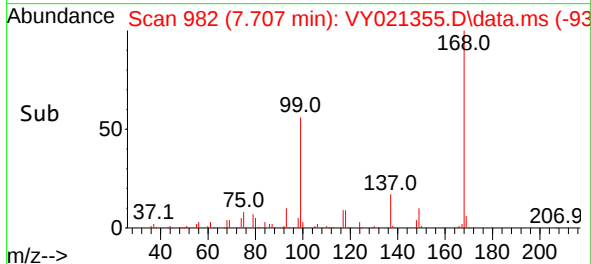


#31
Cyclohexane
Concen: 1.392 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

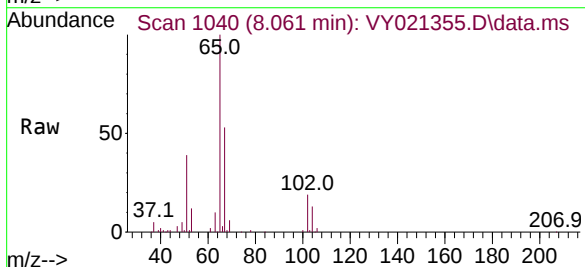
Instrument :
MSVOA_Y
ClientSampleId :



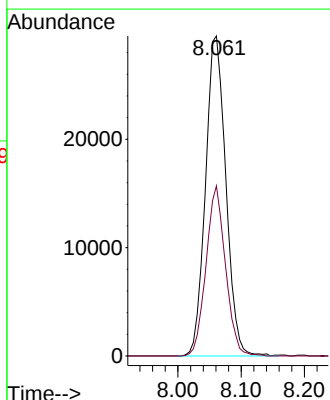
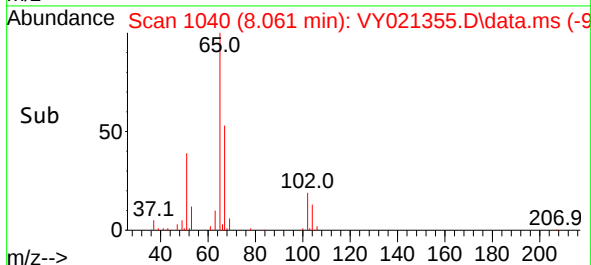
Tgt Ion: 56 Resp: 2742
Ion Ratio Lower Upper
56 100
69 133.2 26.2 39.4#
84 95.4 70.2 105.4

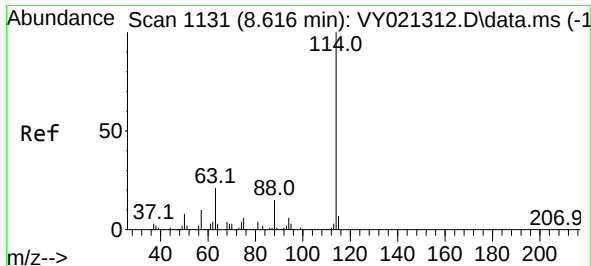


#33
1,2-Dichloroethane-d4
Concen: 59.165 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01



Tgt Ion: 65 Resp: 66104
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021355.D

Acq: 27 Feb 2025 14:01

Instrument :

MSVOA_Y

ClientSampleId :

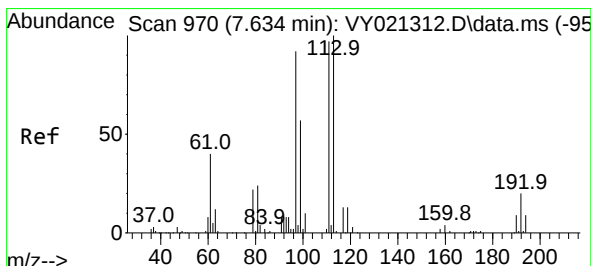
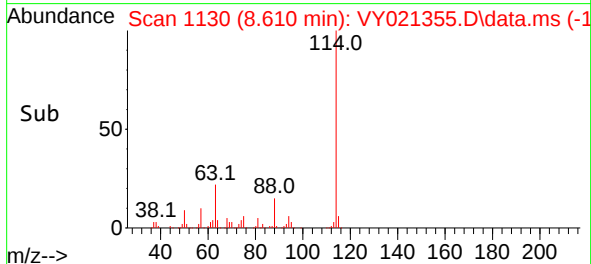
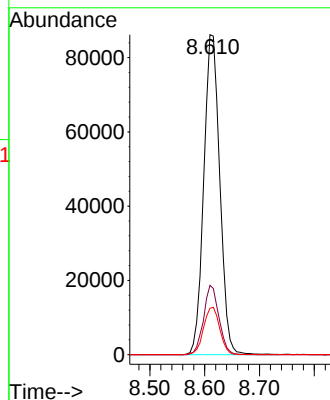
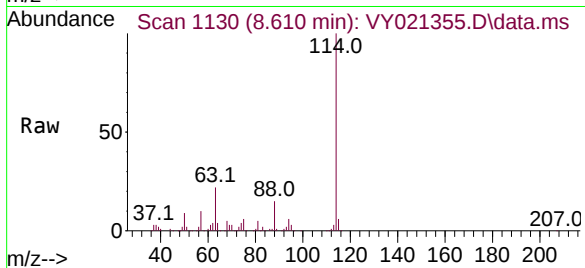
Tgt Ion:114 Resp: 174802

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.2

88 14.5 0.0 29.8



#35

Dibromofluoromethane

Concen: 53.969 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021355.D

Acq: 27 Feb 2025 14:01

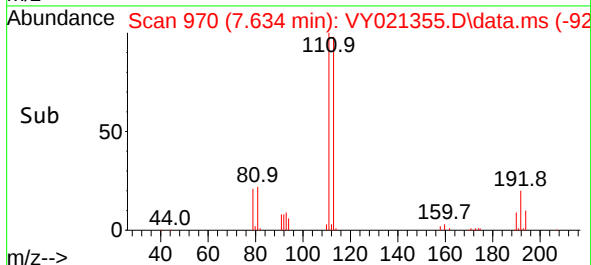
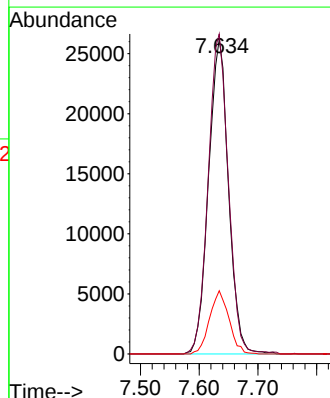
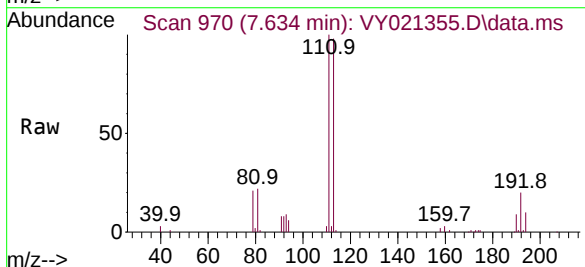
Tgt Ion:113 Resp: 61849

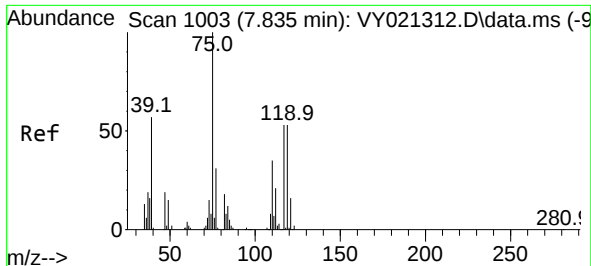
Ion Ratio Lower Upper

113 100

111 102.7 81.0 121.6

192 19.5 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.644 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

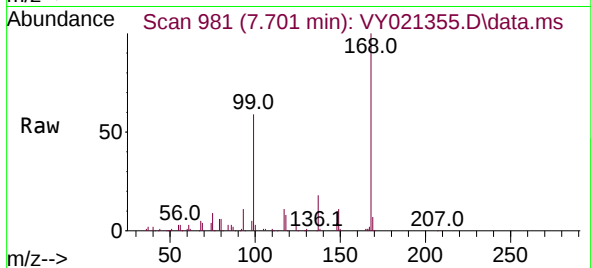
Lab File: VY021355.D

Acq: 27 Feb 2025 14:01

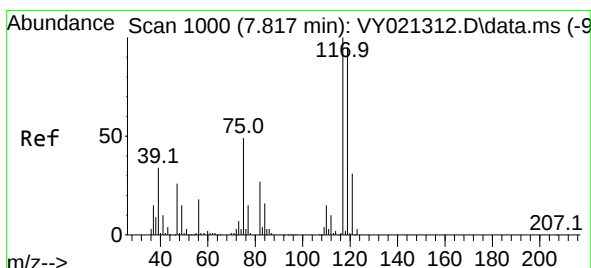
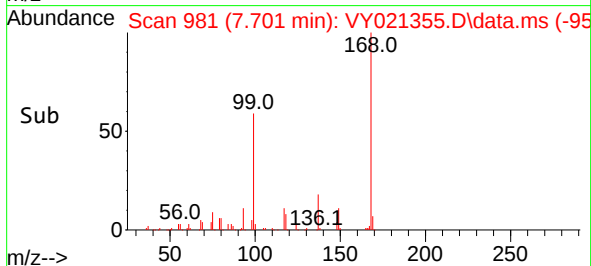
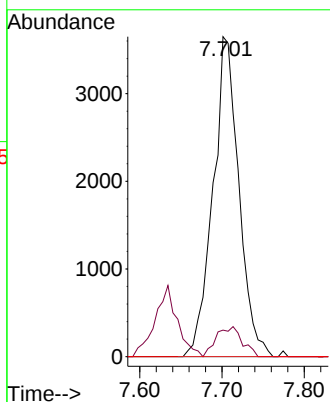
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 7994
Ion Ratio	Lower Upper
75	100
110	9.4 16.9 50.7#
77	0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.064 ug/l

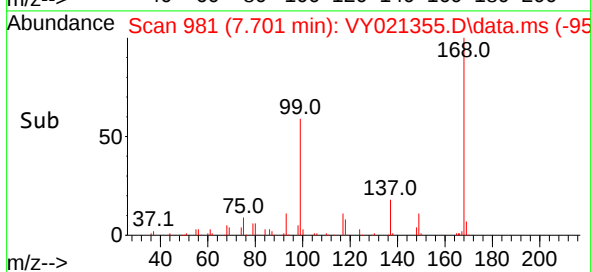
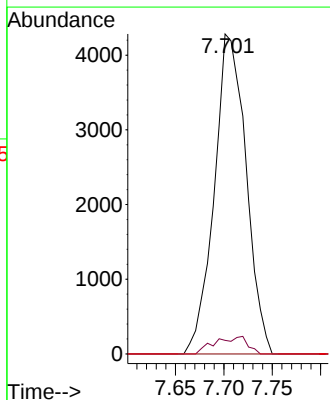
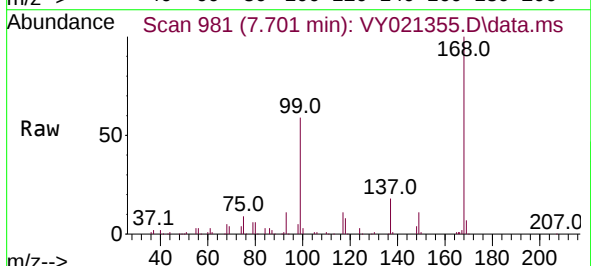
RT: 7.701 min Scan# 981

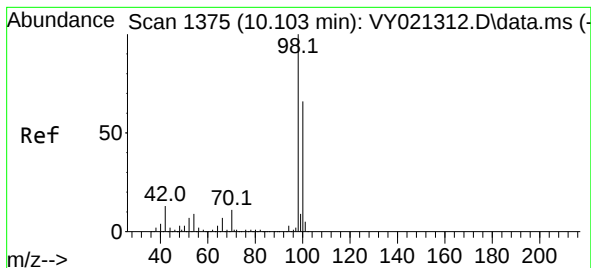
Delta R.T. -0.116 min

Lab File: VY021355.D

Acq: 27 Feb 2025 14:01

Tgt Ion: 117	Resp: 9800
Ion Ratio	Lower Upper
117	100
119	4.2 76.0 114.0#
121	0.0 24.9 37.3#





#50

Toluene-d8

Concen: 48.088 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021355.D

Acq: 27 Feb 2025 14:01

Instrument :

MSVOA_Y

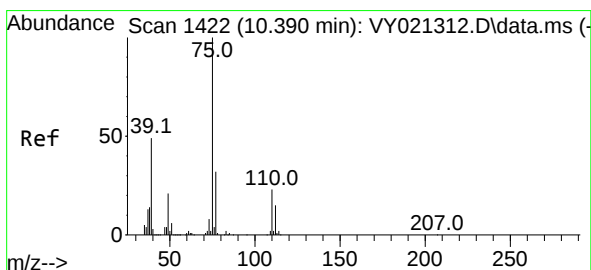
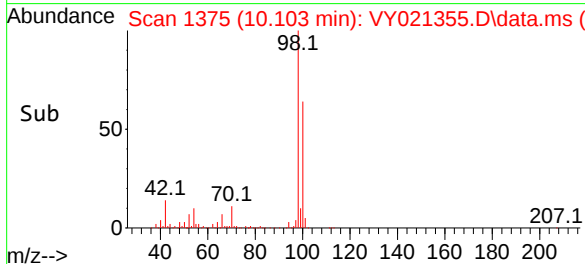
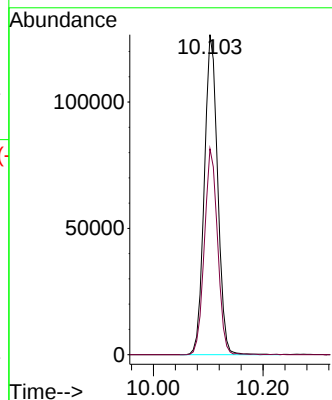
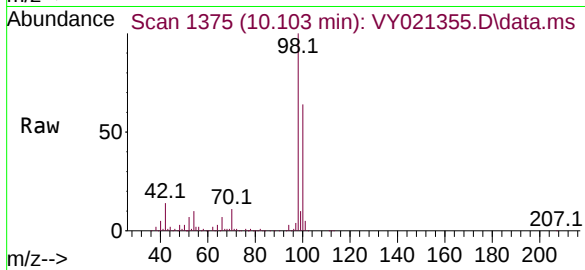
ClientSampleId :

Tgt Ion: 98 Resp: 212983

Ion Ratio Lower Upper

98 100

100 63.8 52.4 78.6



#53

t-1,3-Dichloropropene

Concen: 11.912 ug/l

RT: 10.493 min Scan# 1439

Delta R.T. 0.104 min

Lab File: VY021355.D

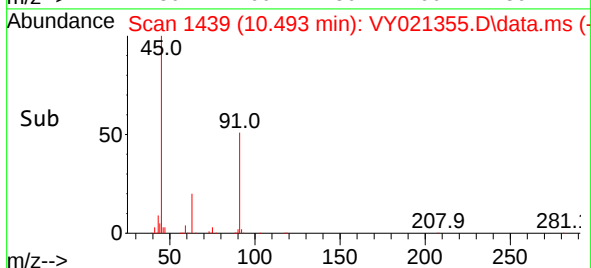
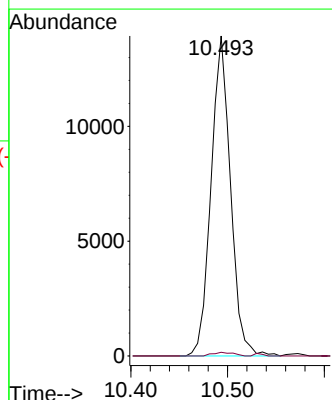
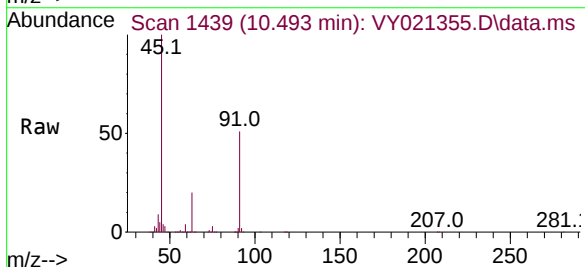
Acq: 27 Feb 2025 14:01

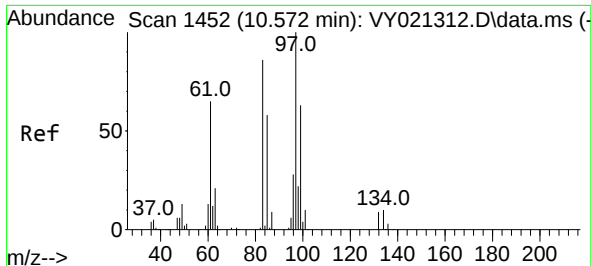
Tgt Ion: 75 Resp: 19479

Ion Ratio Lower Upper

75 100

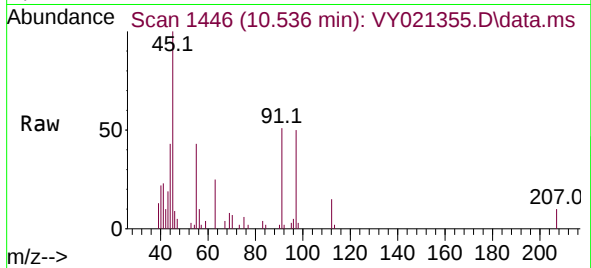
77 1.1 25.3 37.9#



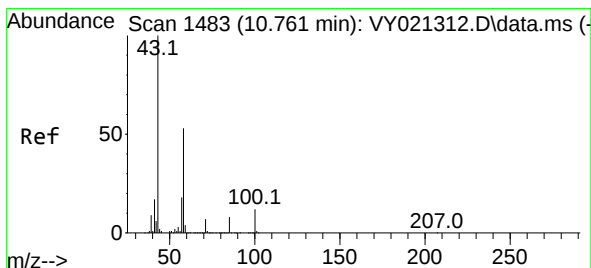
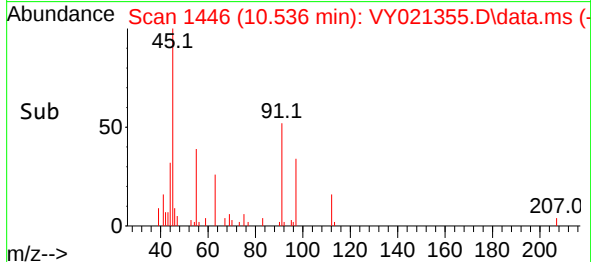
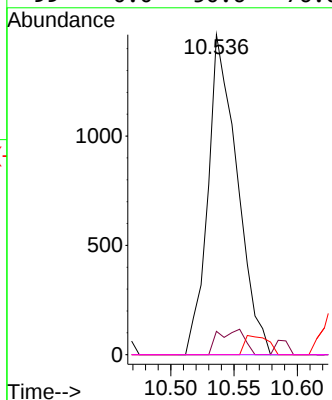


#55
1,1,2-Trichloroethane
Concen: 2.712 ug/l
RT: 10.536 min Scan# 1452
Delta R.T. -0.036 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :

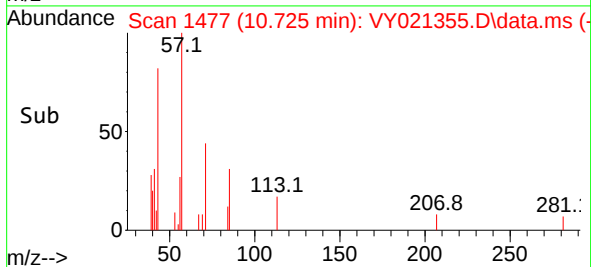
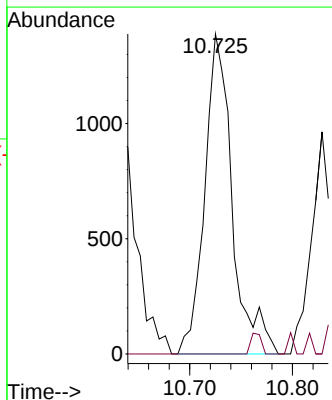
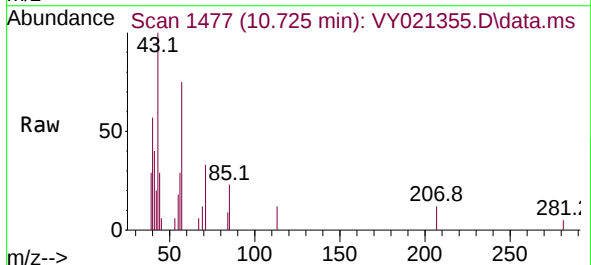


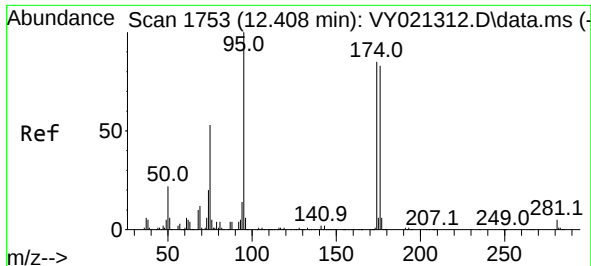
Tgt Ion: 97 Resp: 2365
Ion Ratio Lower Upper
97 100
83 7.3 68.7 103.1#
85 0.0 46.3 69.5#
99 0.0 50.6 76.0#



#59
2-Hexanone
Concen: 4.641 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. -0.036 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

Tgt Ion: 43 Resp: 2586
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#





#62

4-Bromofluorobenzene

Concen: 50.668 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY021355.D

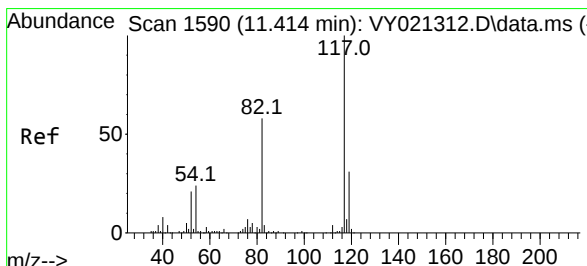
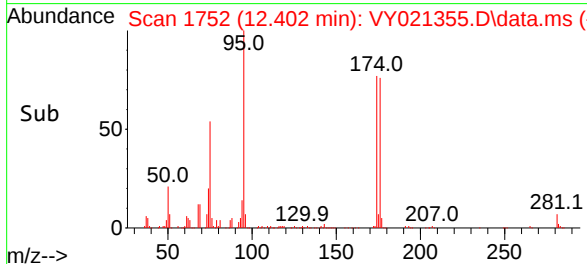
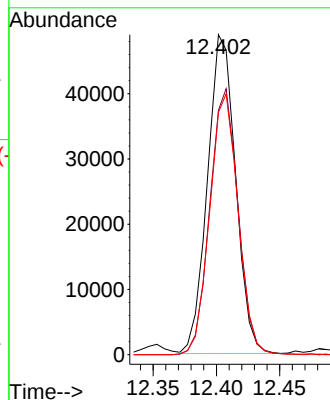
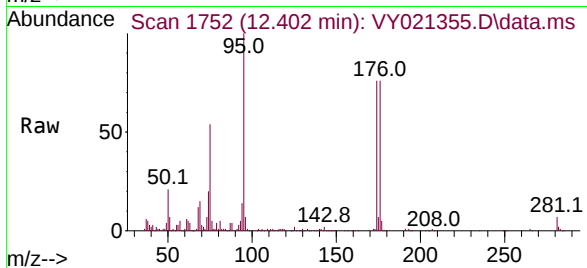
Acq: 27 Feb 2025 14:01

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	95	Resp:	75524
Ion Ratio	Lower	Upper	
95	100		
174	83.8	0.0	168.0
176	82.3	0.0	162.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

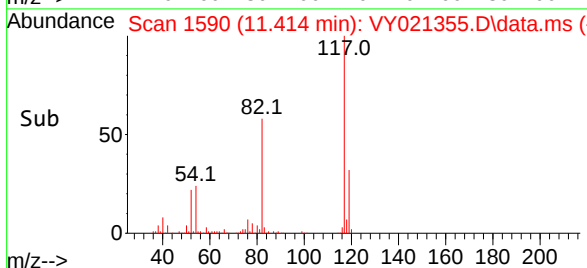
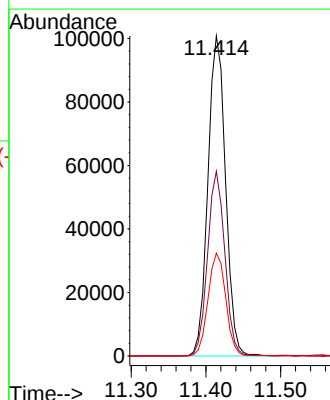
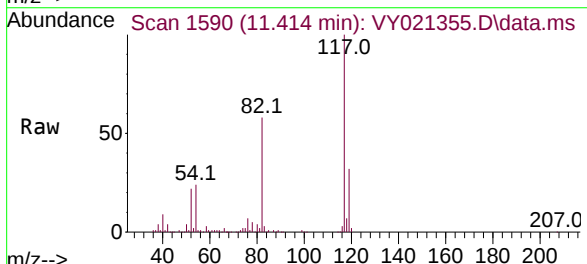
RT: 11.414 min Scan# 1590

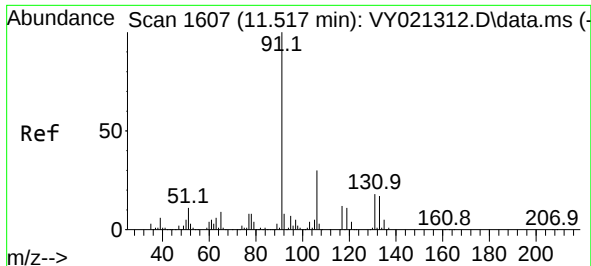
Delta R.T. 0.000 min

Lab File: VY021355.D

Acq: 27 Feb 2025 14:01

Tgt Ion:	117	Resp:	165444
Ion Ratio	Lower	Upper	
117	100		
82	57.7	46.2	69.4
119	32.1	24.9	37.3





#67

Ethyl Benzene

Concen: 1.181 ug/l

RT: 11.518 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021355.D

Acq: 27 Feb 2025 14:01

Instrument :

MSVOA_Y

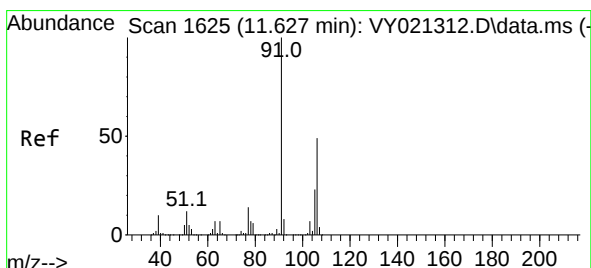
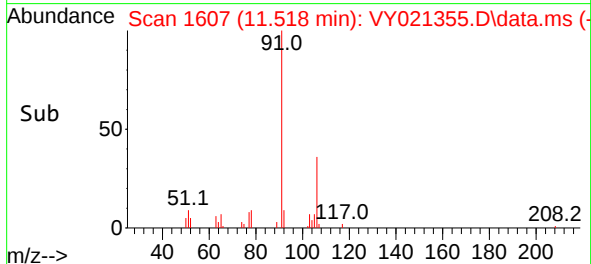
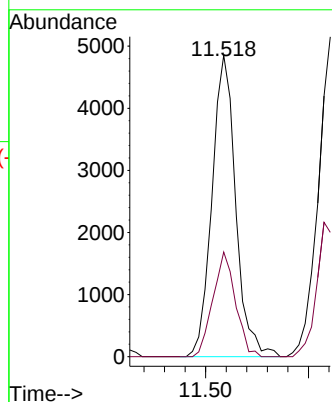
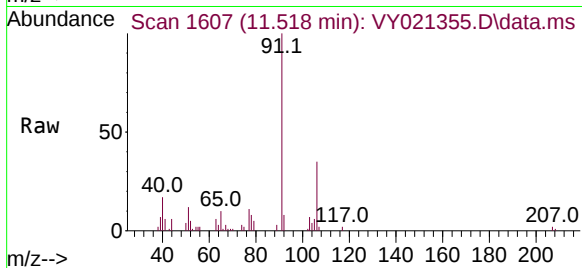
ClientSampleId :

Tgt Ion: 91 Resp: 7766

Ion Ratio Lower Upper

91 100

106 34.7 24.4 36.6



#68

m/p-Xylenes

Concen: 1.751 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021355.D

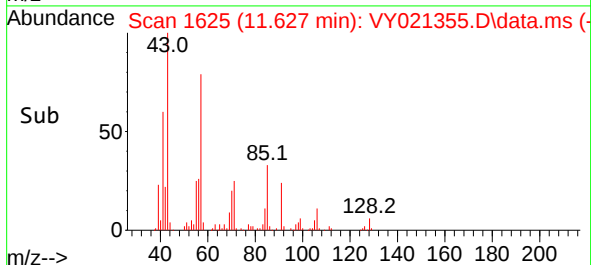
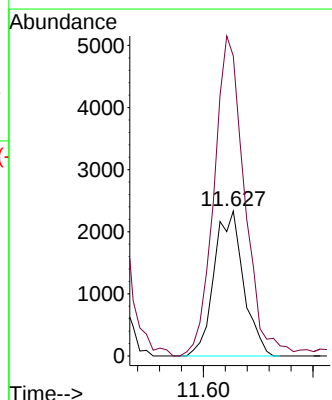
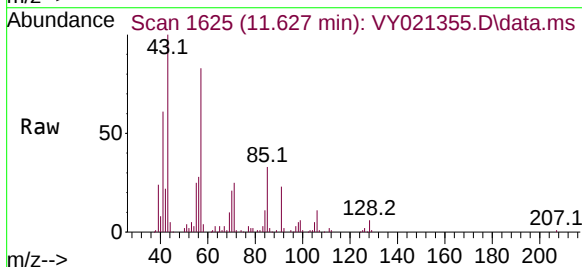
Acq: 27 Feb 2025 14:01

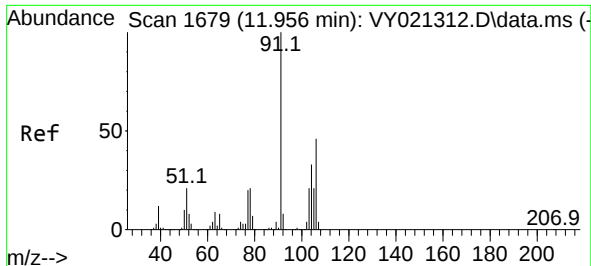
Tgt Ion:106 Resp: 4332

Ion Ratio Lower Upper

106 100

91 230.7 163.9 245.9

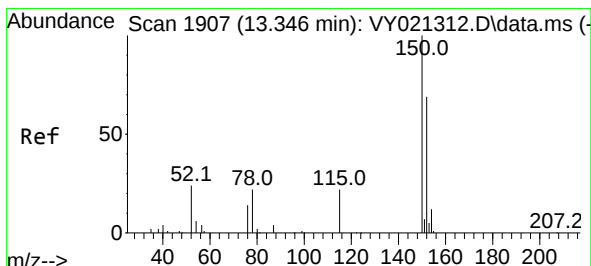
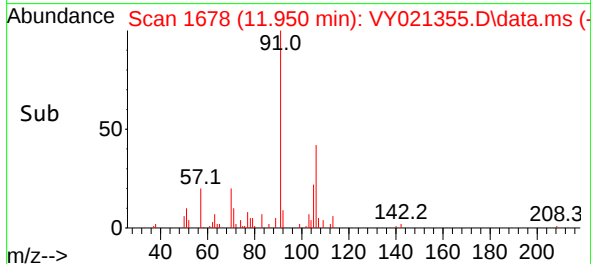
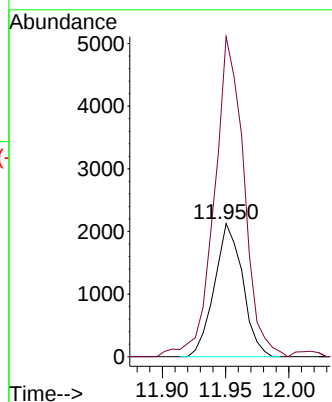
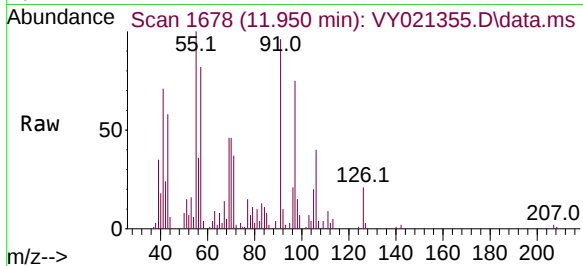




#69
o-Xylene
Concen: 1.424 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

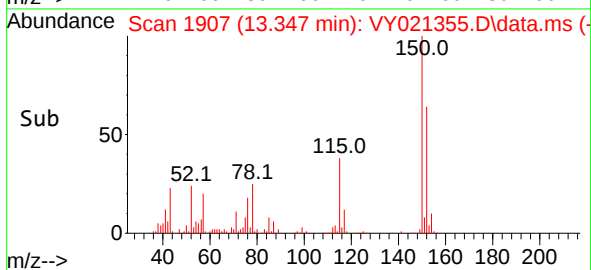
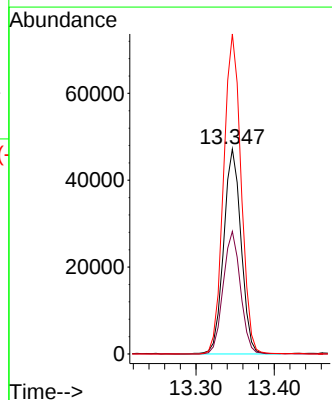
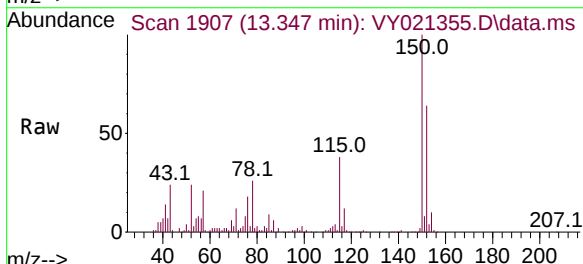
Instrument :
MSVOA_Y
ClientSampleId :

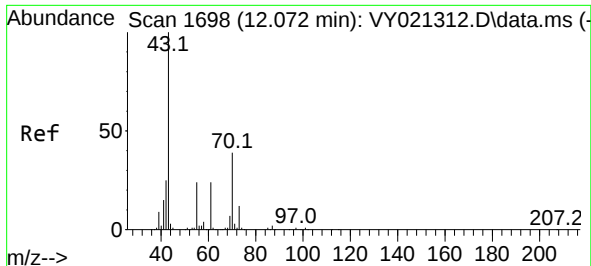
Tgt Ion:106 Resp: 3300
Ion Ratio Lower Upper
106 100
91 251.8 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

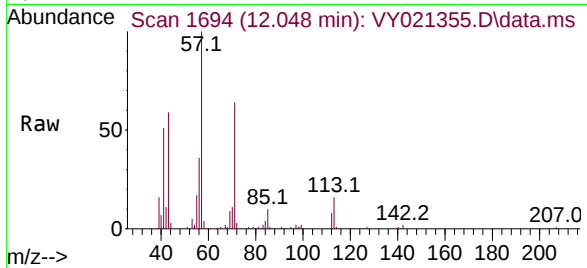
Tgt Ion:152 Resp: 72948
Ion Ratio Lower Upper
152 100
115 59.3 29.3 88.0
150 156.9 0.0 347.4



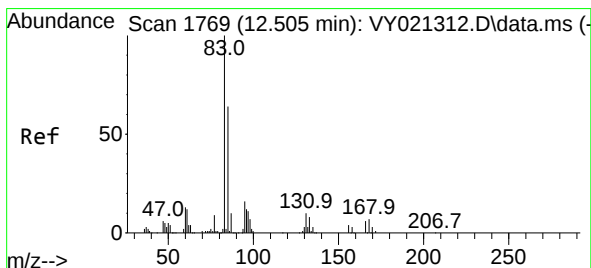
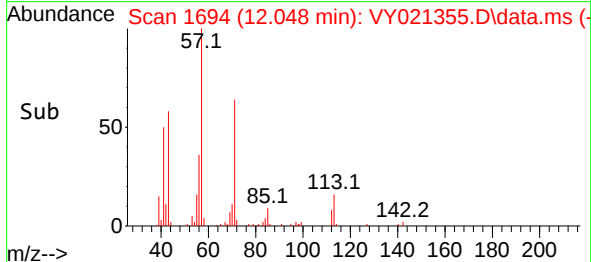
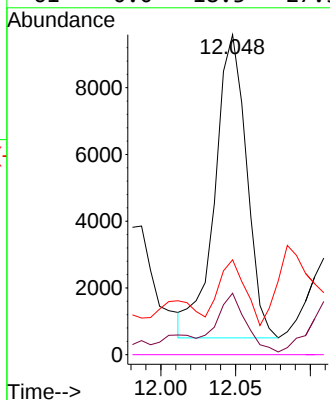


#74
N-amy1 acetate
Concen: 9.625 ug/l
RT: 12.048 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :

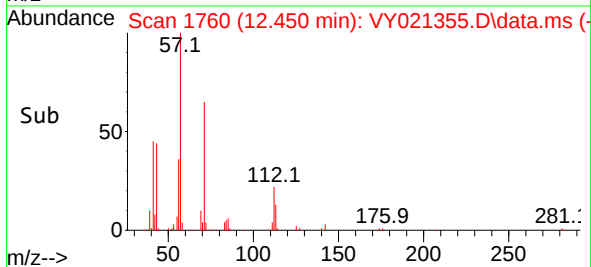
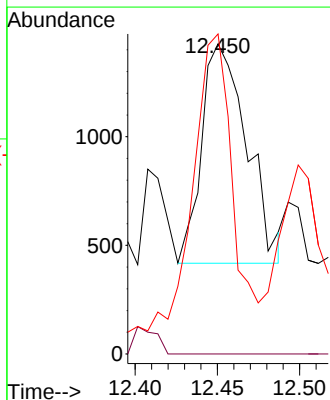
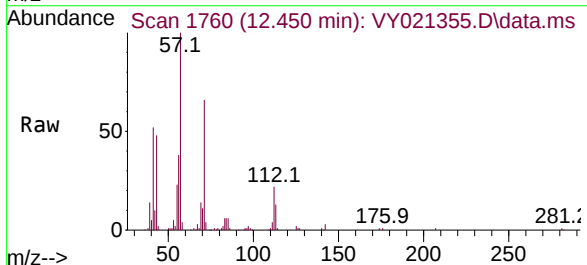


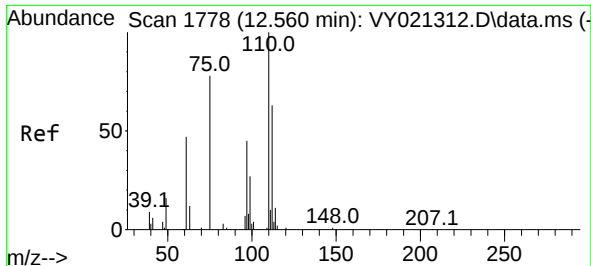
Tgt Ion: 43 Resp: 13417
Ion Ratio Lower Upper
43 100
70 17.9 32.2 48.2#
55 17.7 19.6 29.4#
61 0.0 18.3 27.5#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.986 ug/l
RT: 12.450 min Scan# 1760
Delta R.T. -0.055 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

Tgt Ion: 83 Resp: 1922
Ion Ratio Lower Upper
83 100
131 0.0 5.2 15.6#
85 114.0 32.0 96.0#

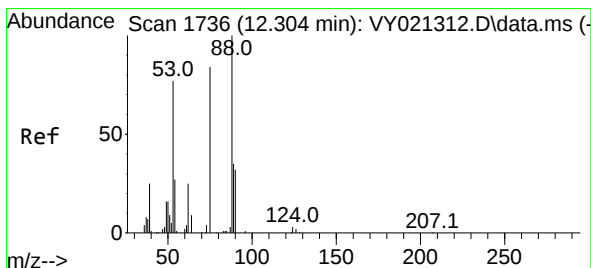
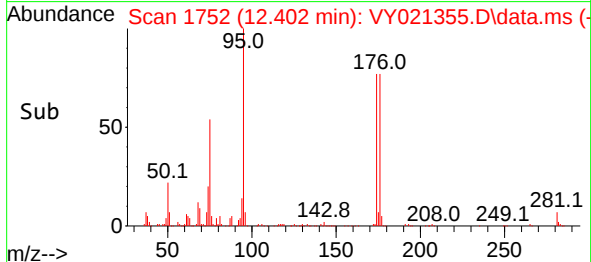
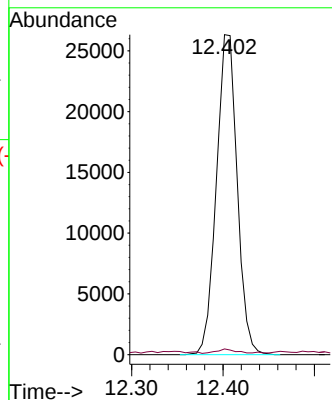
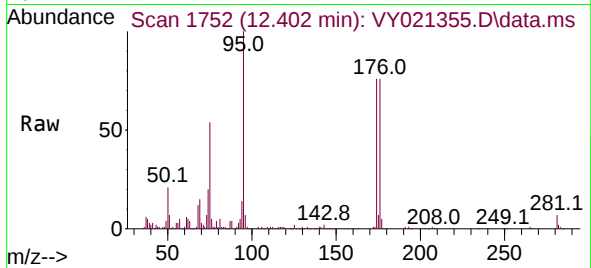




#76
1,2,3-Trichloropropane
Concen: 57.022 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 41636
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.740 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY021355.D
Acq: 27 Feb 2025 14:01

Tgt Ion: 75 Resp: 41636
Ion Ratio Lower Upper
75 100
53 0.6 79.1 118.7#
89 0.1 35.6 53.4#

