

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091223\
 Data File : VY015516.D
 Acq On : 12 Sep 2023 18:34
 Operator : SY/MD
 Sample : 04374-04
 Misc : 4.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 13 05:56:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

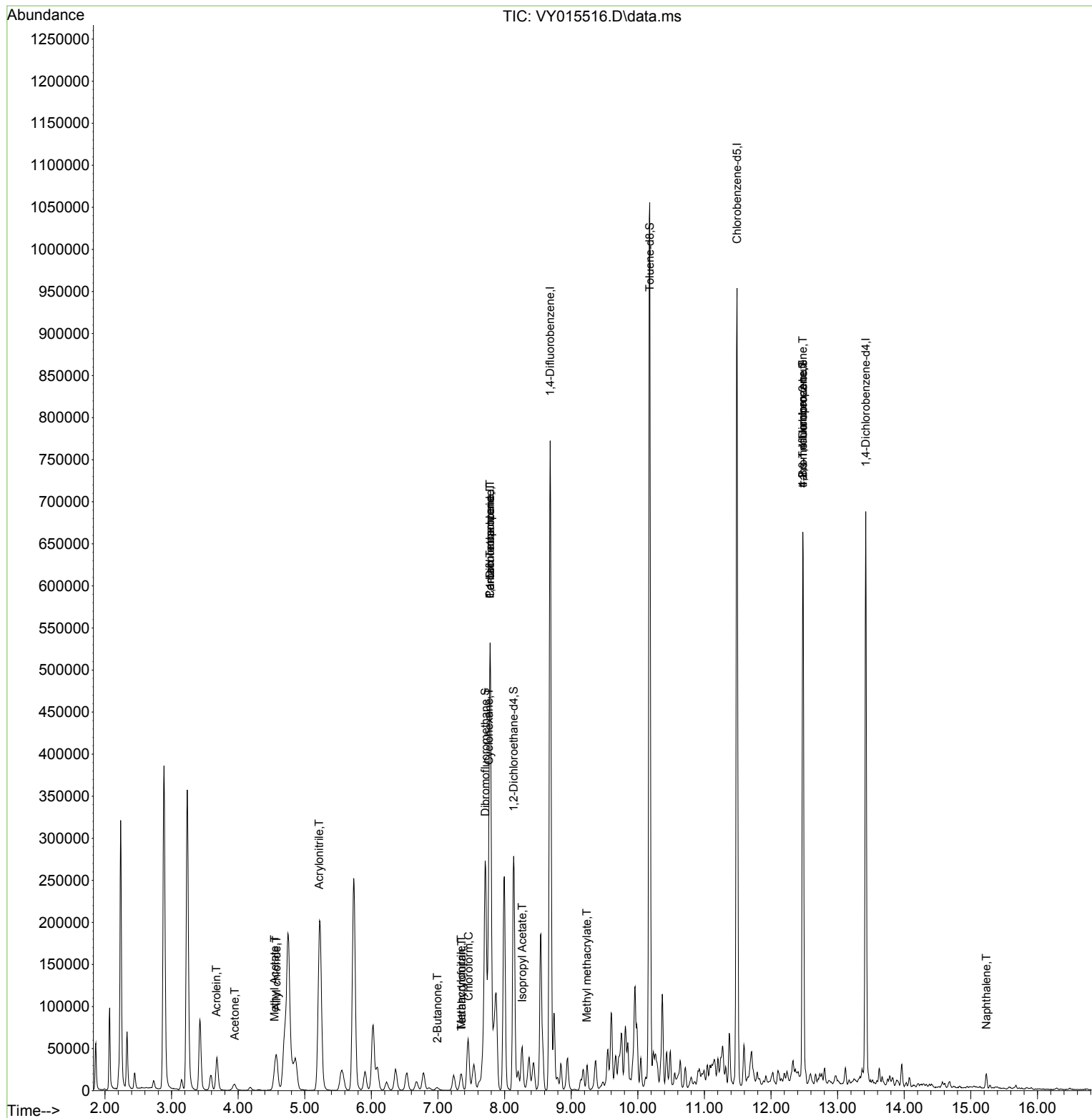
Internal Standards						
1) Pentafluorobenzene	7.783	168	367368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	597968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	500057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	217485	55.225	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.460%
35) Dibromofluoromethane	7.710	113	186143	54.046	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.100%
50) Toluene-d8	10.179	98	693527	55.604	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.200%
62) 4-Bromofluorobenzene	12.477	95	193385	41.765	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.979	59	1100	Below Cal	#	89
13) Acrolein	3.674	56	1768	13.186	ug/l #	1
14) Allyl chloride	4.576	41	24523	4.218	ug/l #	66
15) Acrylonitrile	5.216	53	7869	5.240	ug/l #	39
16) Acetone	3.948	43	12141	7.386	ug/l	96
18) Methyl Acetate	4.546	43	9513	1.598	ug/l #	54
20) Methylene Chloride	4.704	84	30939	Below Cal		87
25) 2-Butanone	6.990	43	4885	2.095	ug/l	97
29) Tetrahydrofuran	7.356	42	1818	1.242	ug/l #	84
30) Chloroform	7.460	83	8151	1.055	ug/l #	19
31) Cyclohexane	7.765	56	32786	4.687	ug/l #	77
36) 1,1-Dichloropropene	7.783	75	27630	4.569	ug/l #	51
38) Carbon Tetrachloride	7.783	117	35754	5.724	ug/l #	16
41) Methacrylonitrile	7.350	41	7287	3.332	ug/l #	51
43) Isopropyl Acetate	8.265	43	29388	3.644	ug/l #	55
48) Methyl methacrylate	9.234	41	5834	1.577	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	104229	46.709	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	104229	103.034	ug/l #	11
95) Naphthalene	15.233	128	14568	1.736	ug/l	98

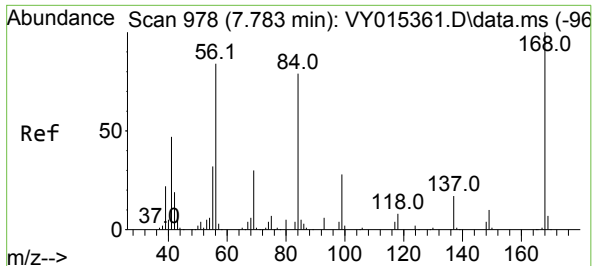
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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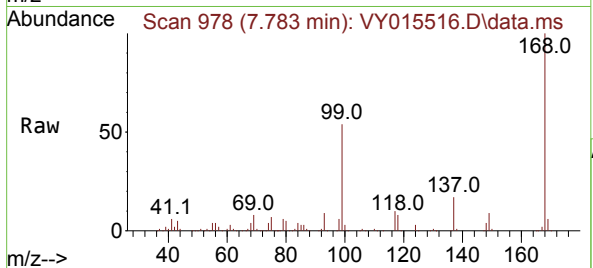
Quant Time: Sep 13 05:56:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
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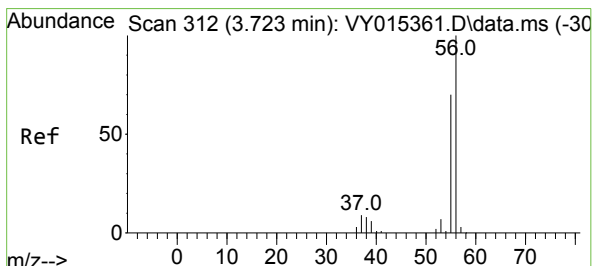
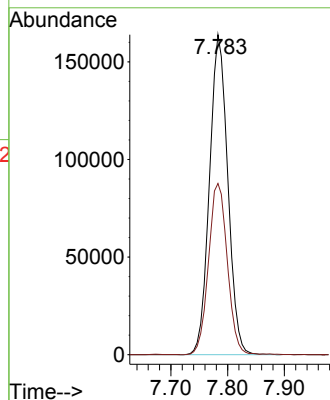
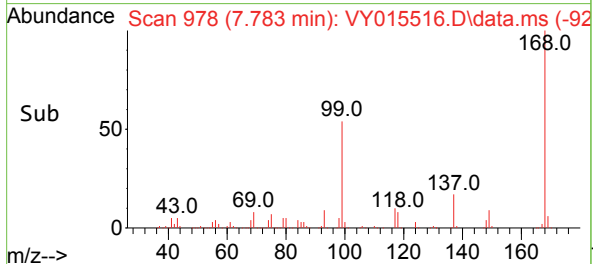


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

Instrument :
MSVOA_Y
ClientSampleId :

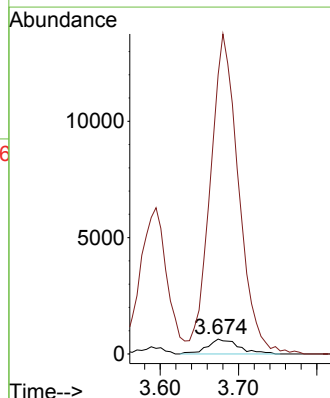
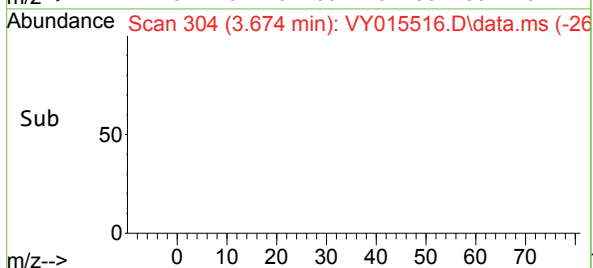
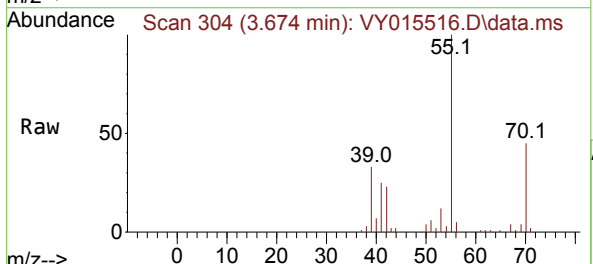


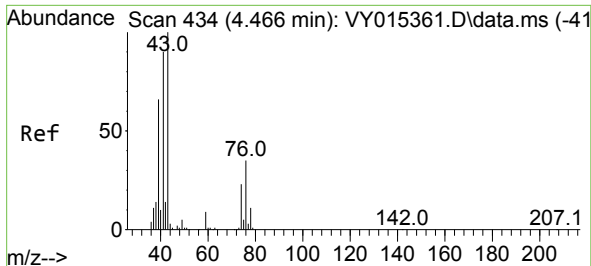
Tgt Ion:168 Resp: 367368
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0



#13
Acrolein
Concen: 13.186 ug/l
RT: 3.674 min Scan# 304
Delta R.T. -0.049 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

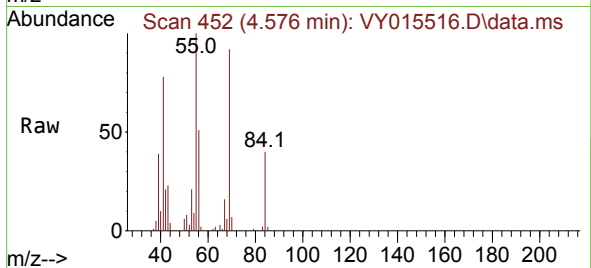
Tgt Ion: 56 Resp: 1768
Ion Ratio Lower Upper
56 100
55 1967.5 57.0 85.4#



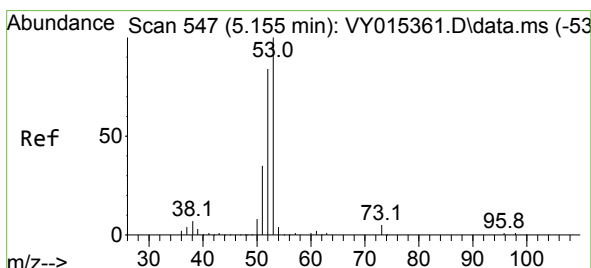
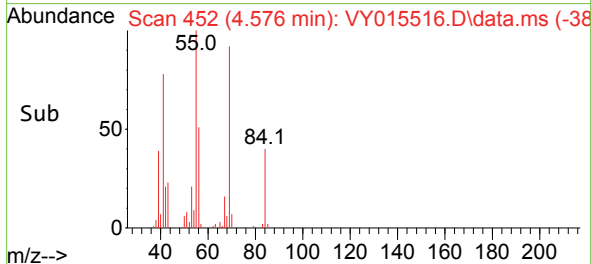
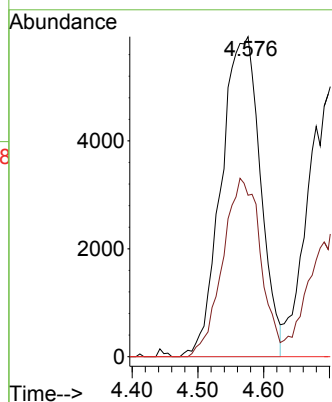


#14
 Allyl chloride
 Concen: 4.218 ug/l
 RT: 4.576 min Scan# 41
 Delta R.T. 0.104 min
 Lab File: VY015516.D
 Acq: 12 Sep 2023 18:34

Instrument :
 MSVOA_Y
 ClientSampleId :

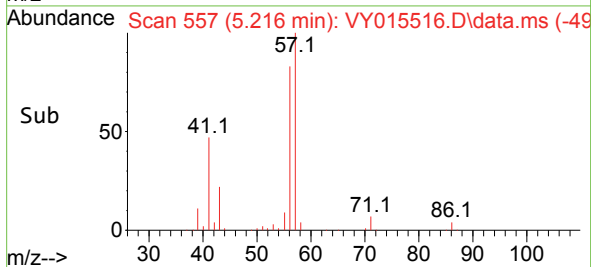
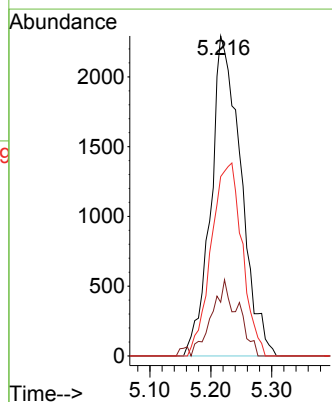
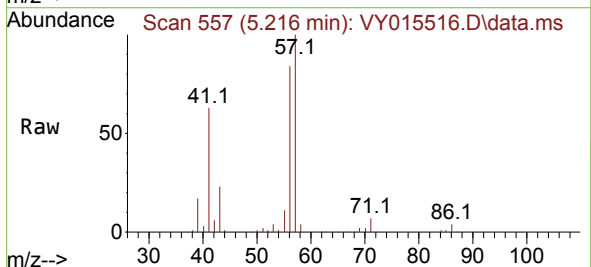


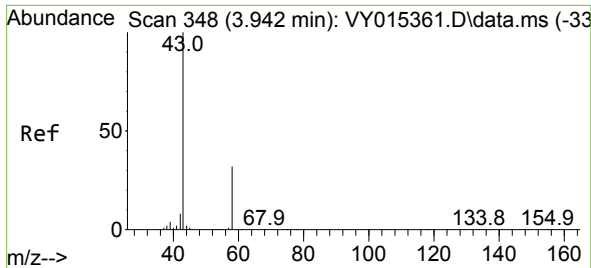
Tgt Ion: 41 Resp: 24523
 Ion Ratio Lower Upper
 41 100
 39 54.4 58.0 87.0#
 76 0.0 27.4 41.2#



#15
 Acrylonitrile
 Concen: 5.240 ug/l
 RT: 5.216 min Scan# 557
 Delta R.T. 0.055 min
 Lab File: VY015516.D
 Acq: 12 Sep 2023 18:34

Tgt Ion: 53 Resp: 7869
 Ion Ratio Lower Upper
 53 100
 52 20.7 66.9 100.3#
 51 61.9 29.8 44.6#





#16

Acetone

Concen: 7.386 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY015516.D

Acq: 12 Sep 2023 18:34

Instrument :

MSVOA_Y

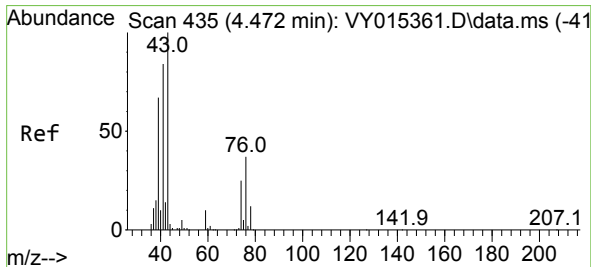
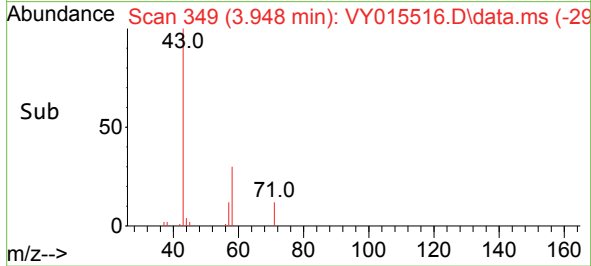
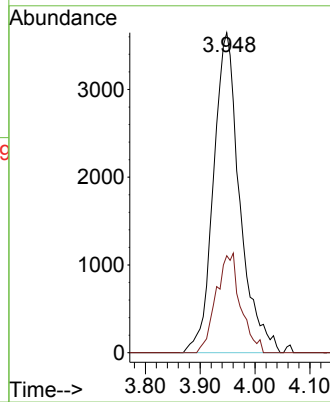
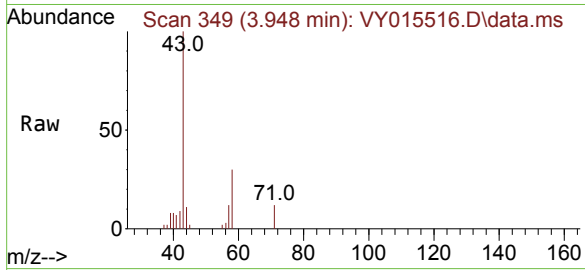
ClientSampleId :

Tgt Ion: 43 Resp: 12141

Ion Ratio Lower Upper

43 100

58 30.3 22.7 34.1



#18

Methyl Acetate

Concen: 1.598 ug/l

RT: 4.546 min Scan# 447

Delta R.T. 0.073 min

Lab File: VY015516.D

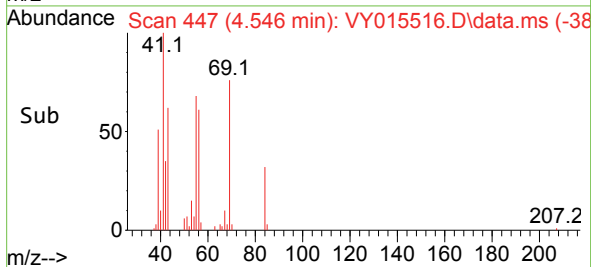
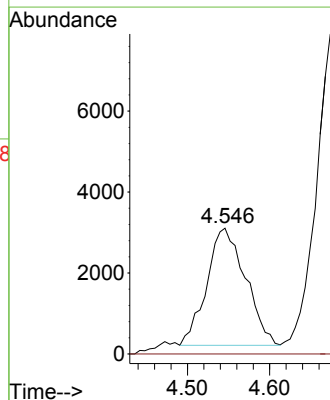
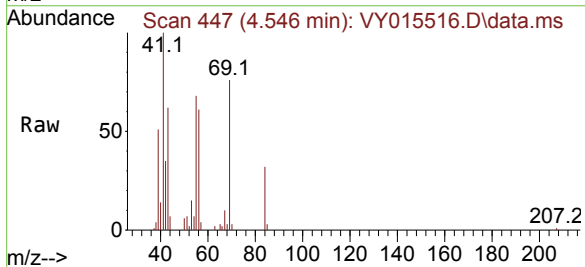
Acq: 12 Sep 2023 18:34

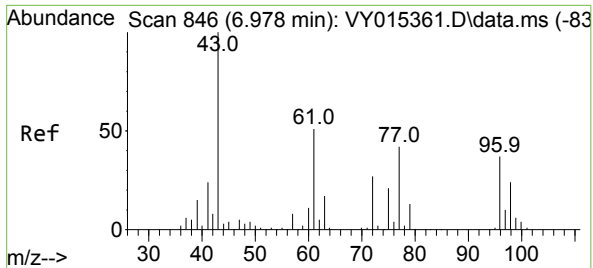
Tgt Ion: 43 Resp: 9513

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#

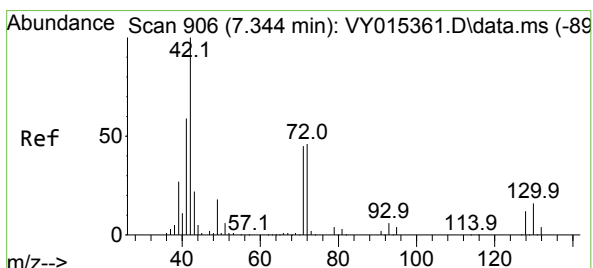
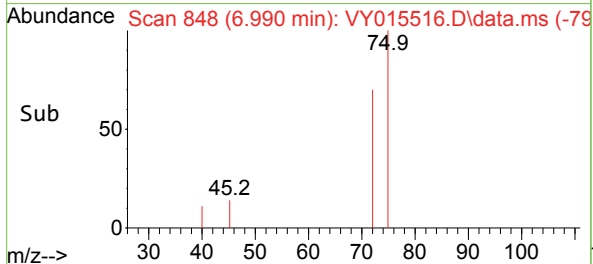
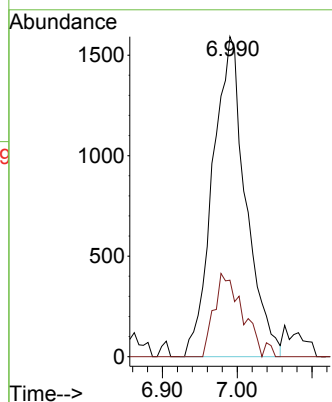
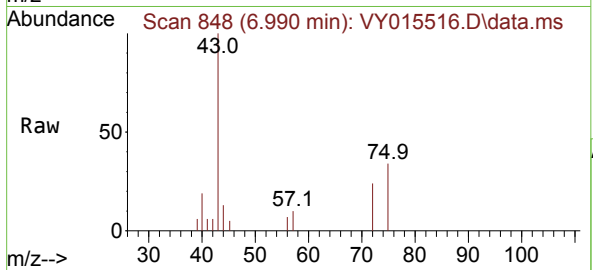




#25
2-Butanone
Concen: 2.095 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

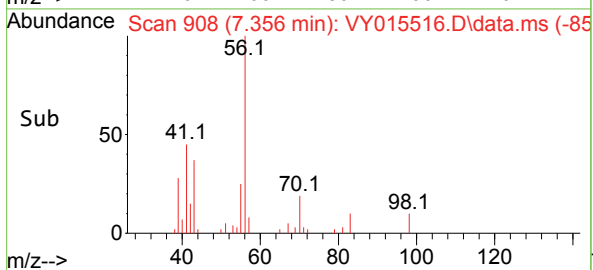
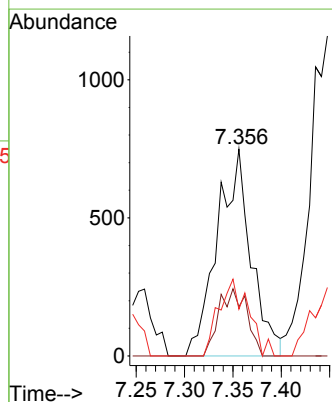
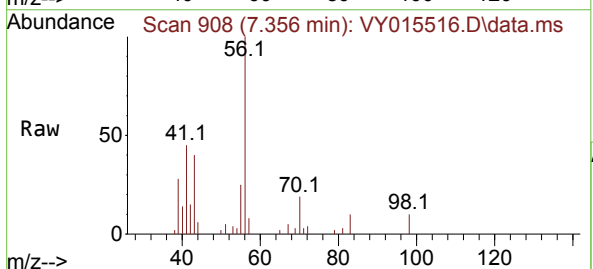
Instrument :
MSVOA_Y
ClientSampleId :

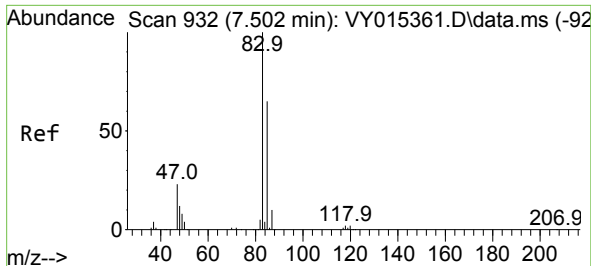
Tgt Ion: 43 Resp: 4885
Ion Ratio Lower Upper
43 100
72 23.9 20.5 30.7



#29
Tetrahydrofuran
Concen: 1.242 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

Tgt Ion: 42 Resp: 1818
Ion Ratio Lower Upper
42 100
72 26.8 32.8 49.2#
71 32.7 31.0 46.4

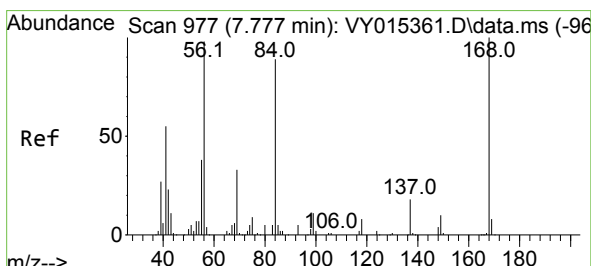
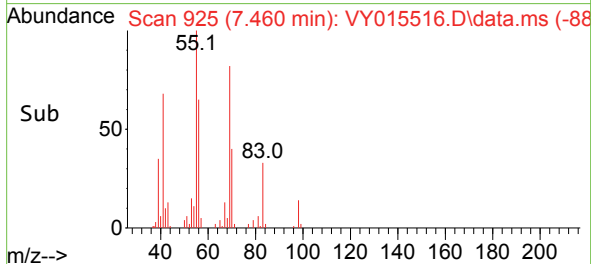
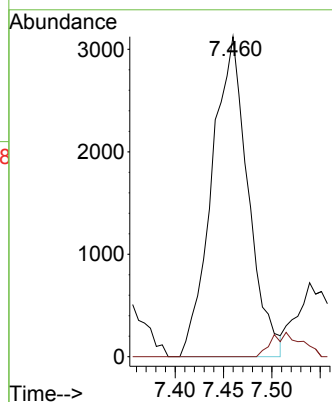
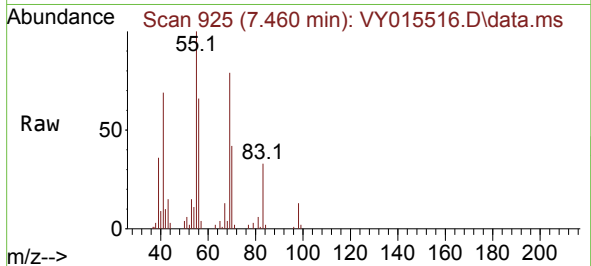




#30
Chloroform
Concen: 1.055 ug/l
RT: 7.460 min Scan# 915
Delta R.T. -0.036 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

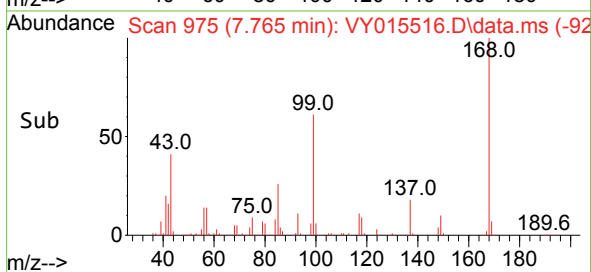
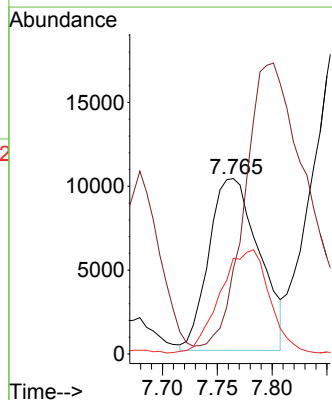
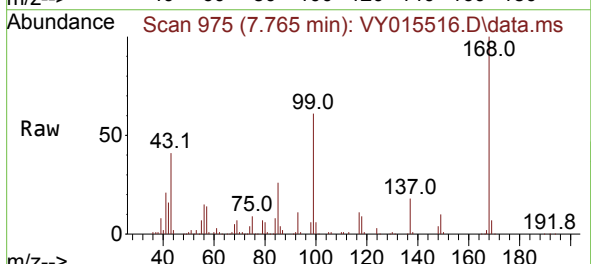
Instrument :
MSVOA_Y
ClientSampleId :

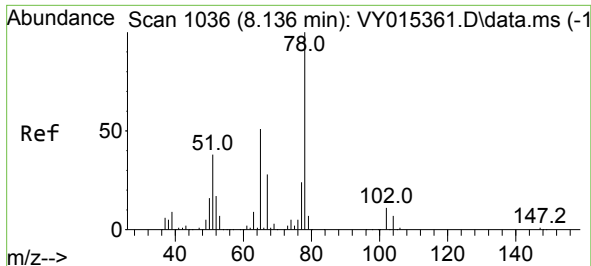
Tgt Ion: 83 Resp: 8151
Ion Ratio Lower Upper
83 100
85 0.0 49.7 74.5#



#31
Cyclohexane
Concen: 4.687 ug/l
RT: 7.765 min Scan# 975
Delta R.T. -0.018 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

Tgt Ion: 56 Resp: 32786
Ion Ratio Lower Upper
56 100
69 38.0 27.8 41.6
84 56.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.225 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015516.D

Acq: 12 Sep 2023 18:34

Instrument :

MSVOA_Y

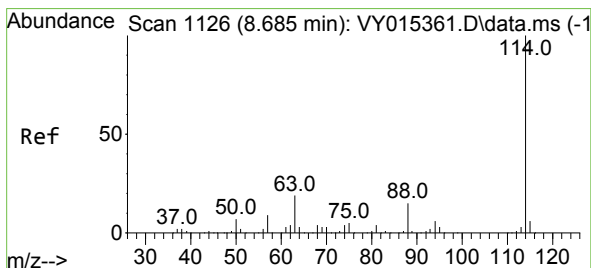
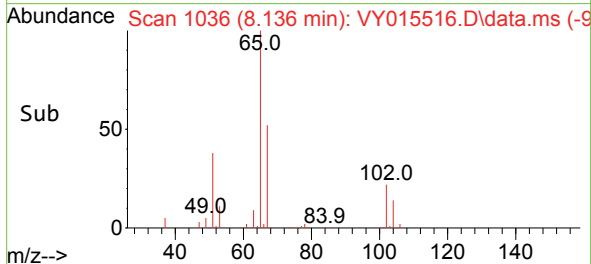
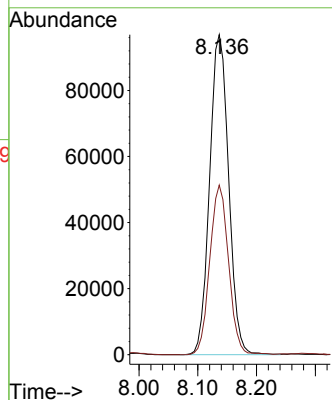
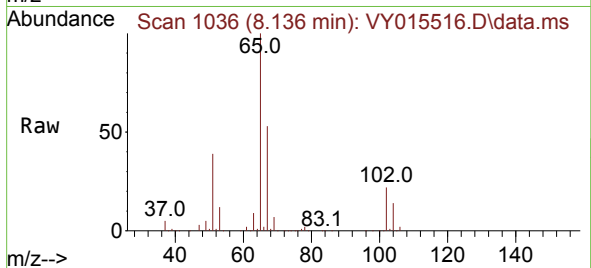
ClientSampleId :

Tgt Ion: 65 Resp: 217485

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015516.D

Acq: 12 Sep 2023 18:34

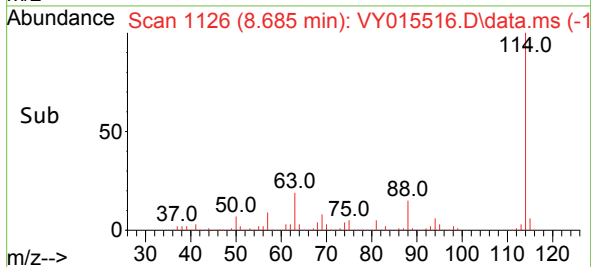
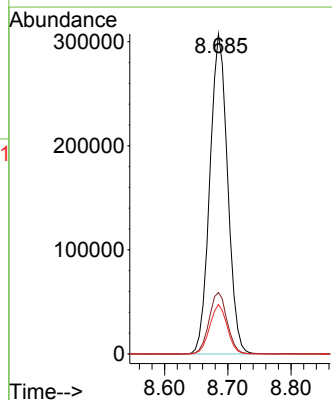
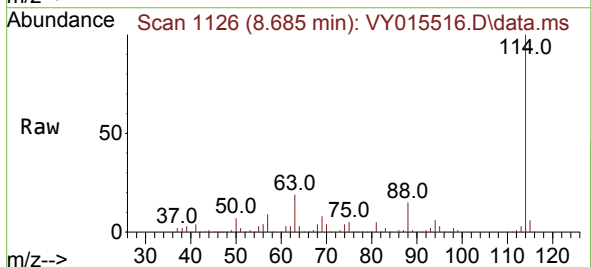
Tgt Ion: 114 Resp: 597968

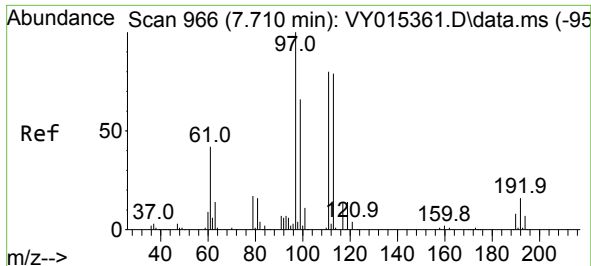
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 15.4 0.0 30.6

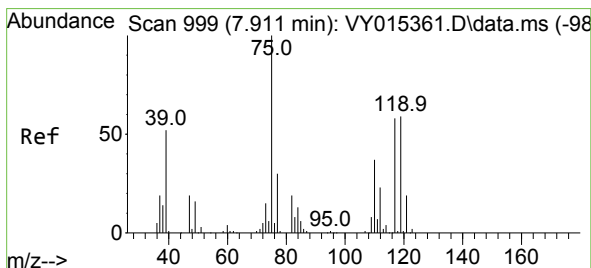
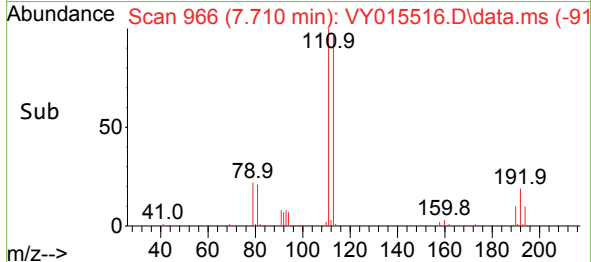
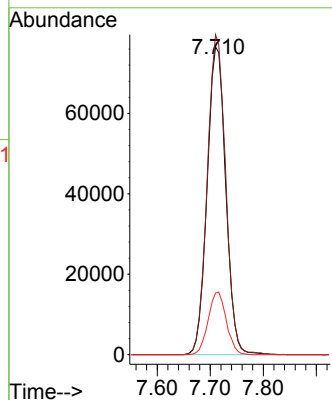
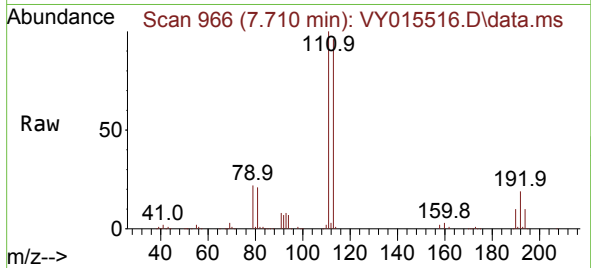




#35
Dibromofluoromethane
Concen: 54.046 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

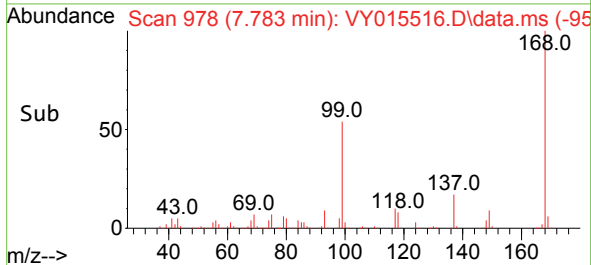
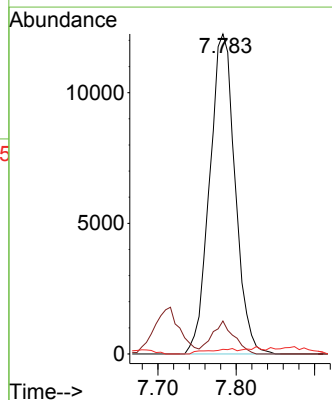
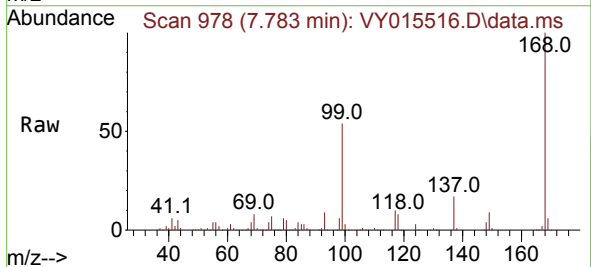
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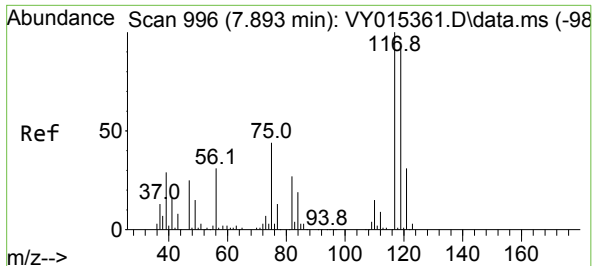
Tgt Ion:113 Resp: 186143
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.569 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

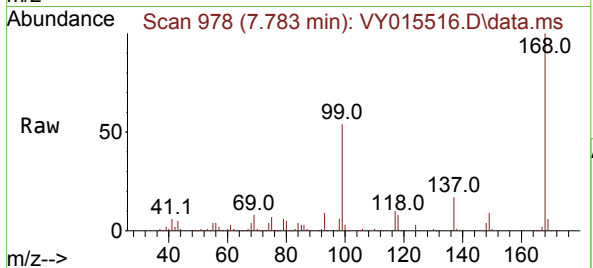
Tgt Ion: 75 Resp: 27630
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 1.8 24.4 36.6#



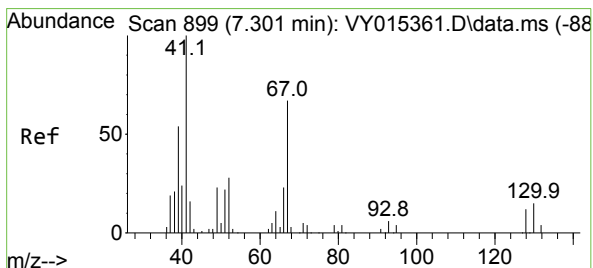
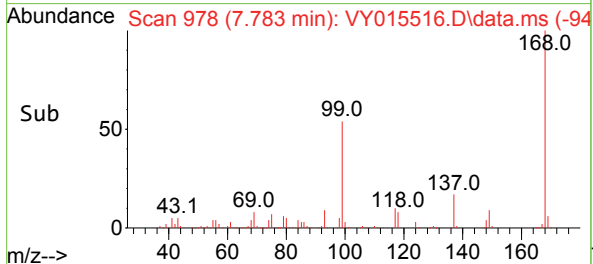
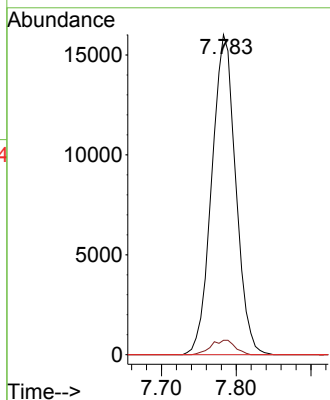


#38
Carbon Tetrachloride
Concen: 5.724 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

Instrument :
MSVOA_Y
ClientSampleId :

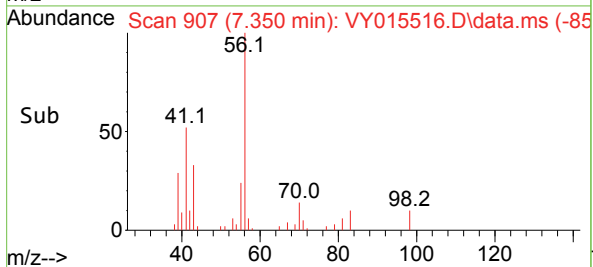
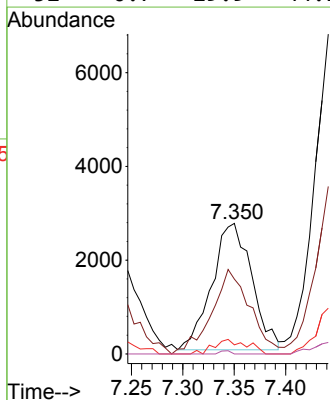
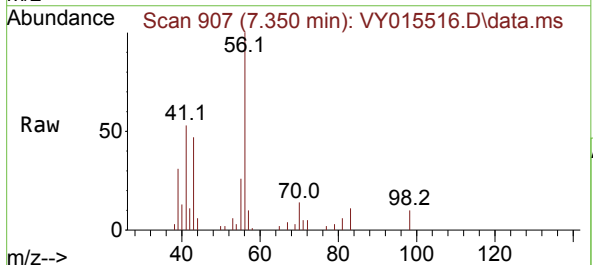


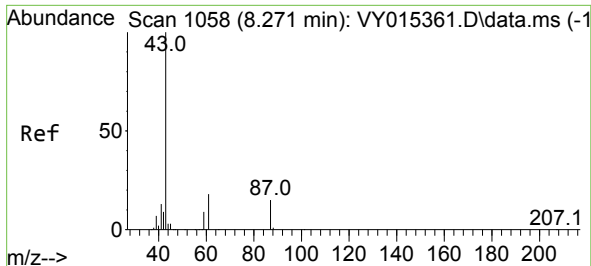
Tgt Ion:117 Resp: 35754
Ion Ratio Lower Upper
117 100
119 4.5 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 3.332 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

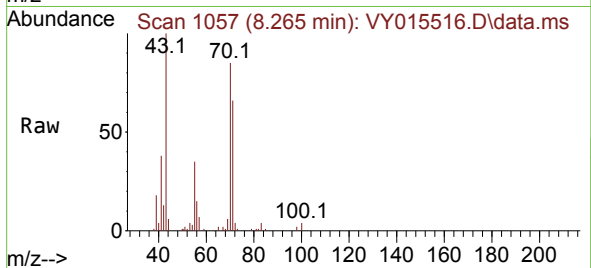
Tgt Ion: 41 Resp: 7287
Ion Ratio Lower Upper
41 100
39 64.4 52.1 78.1
67 9.6 66.2 99.2#
52 0.7 29.9 44.9#



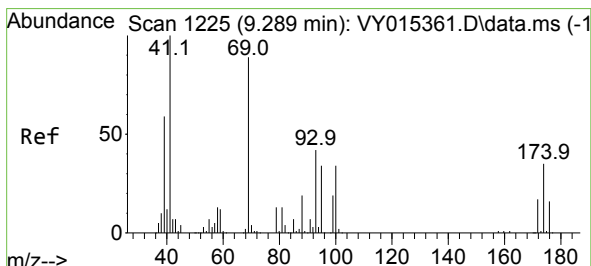
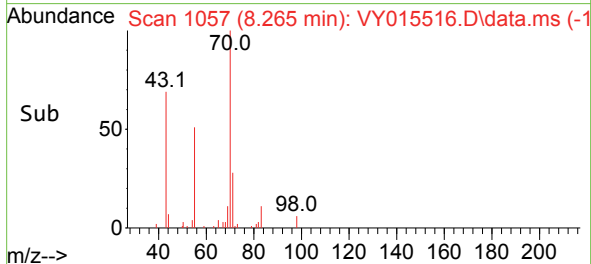
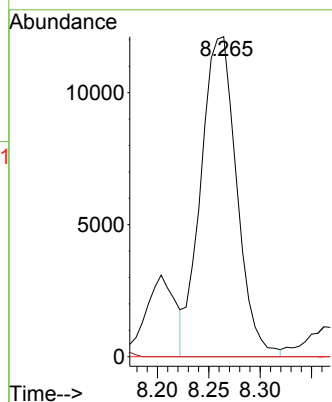


#43
Isopropyl Acetate
Concen: 3.644 ug/l
RT: 8.265 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

Instrument :
MSVOA_Y
ClientSampleId :

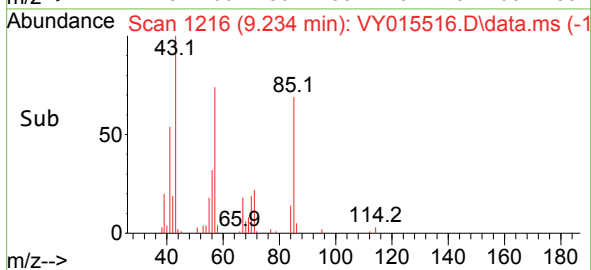
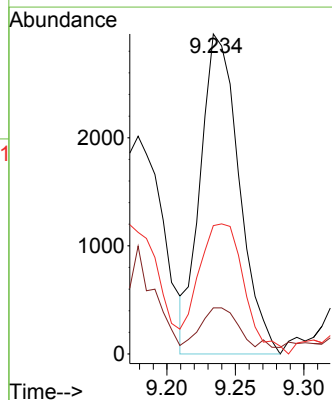
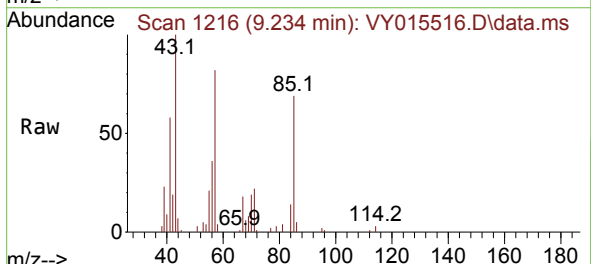


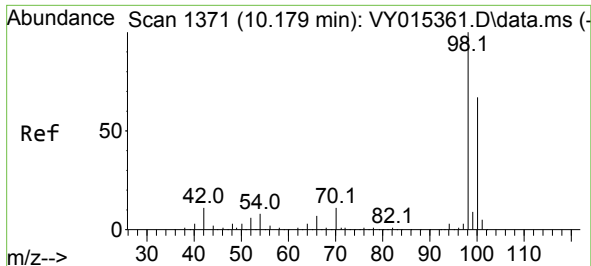
Tgt Ion: 43 Resp: 29388
Ion Ratio Lower Upper
43 100
61 0.0 21.1 31.7#
87 0.0 9.8 14.8#



#48
Methyl methacrylate
Concen: 1.577 ug/l
RT: 9.234 min Scan# 1216
Delta R.T. -0.055 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

Tgt Ion: 41 Resp: 5834
Ion Ratio Lower Upper
41 100
69 12.4 64.5 96.7#
39 47.6 50.8 76.2#

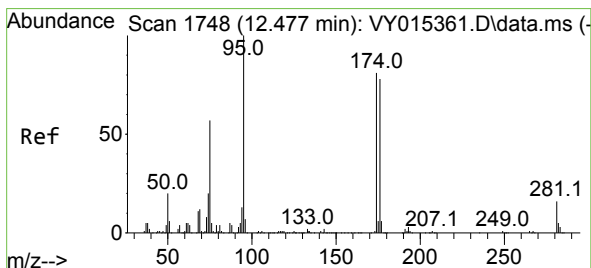
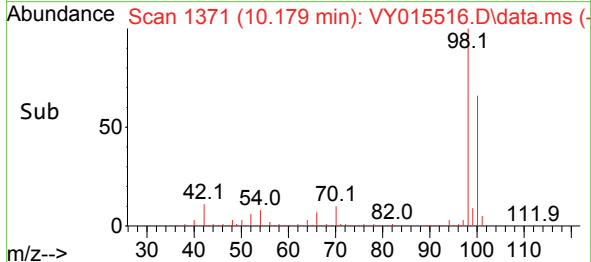
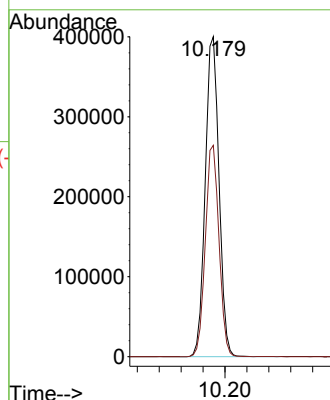
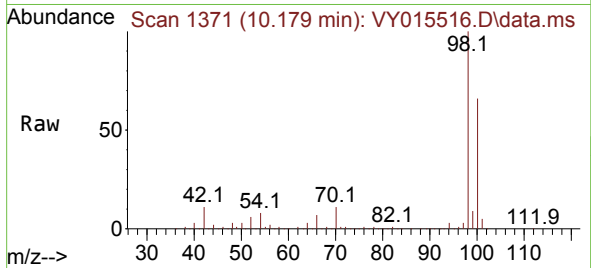




#50
Toluene-d8
Concen: 55.604 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

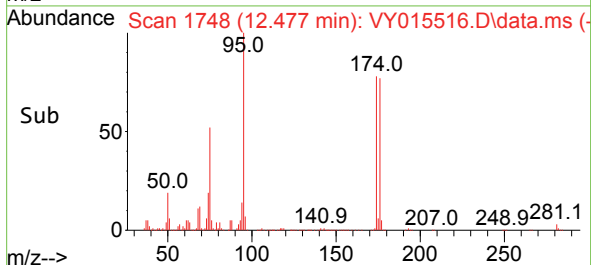
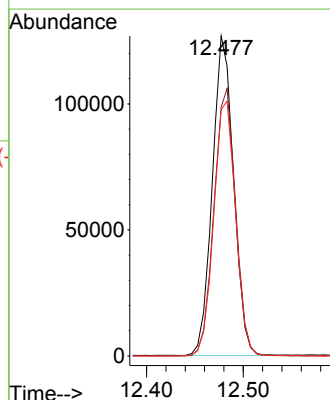
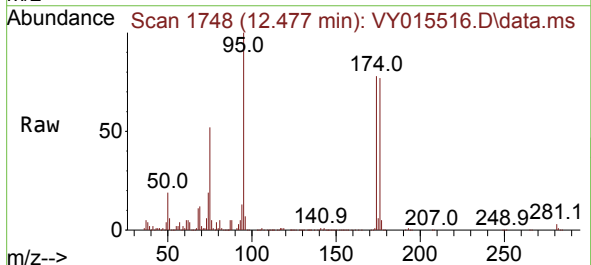
Instrument :
MSVOA_Y
ClientSampleId :

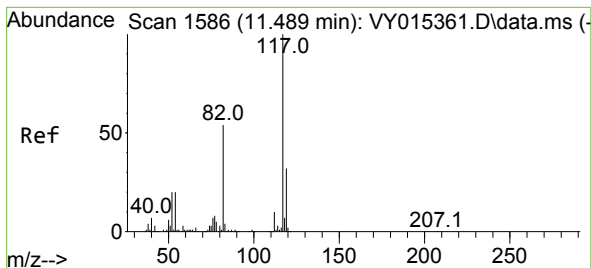
Tgt Ion: 98 Resp: 693527
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 41.765 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

Tgt Ion: 95 Resp: 193385
Ion Ratio Lower Upper
95 100
174 85.3 0.0 178.2
176 81.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015516.D

Acq: 12 Sep 2023 18:34

Instrument :

MSVOA_Y

ClientSampleId :

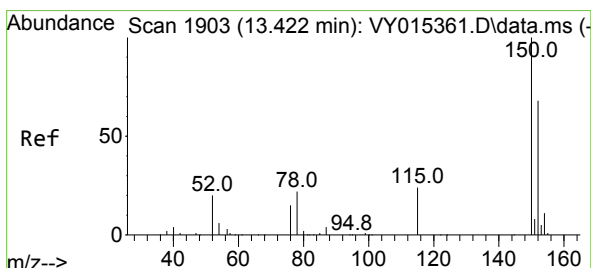
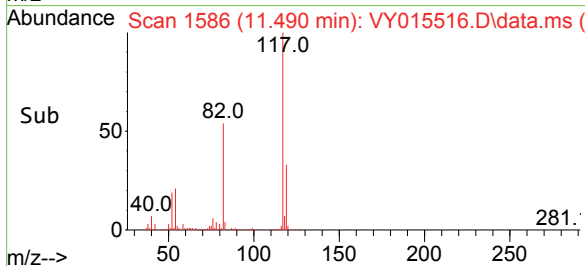
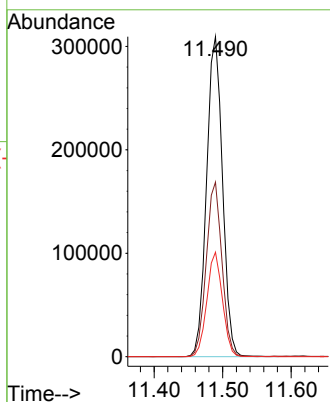
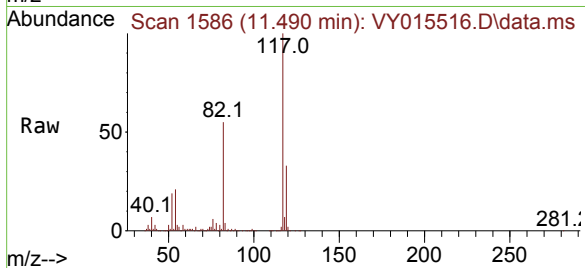
Tgt Ion:117 Resp: 500057

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 32.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015516.D

Acq: 12 Sep 2023 18:34

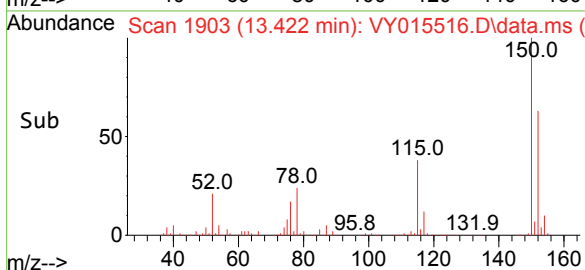
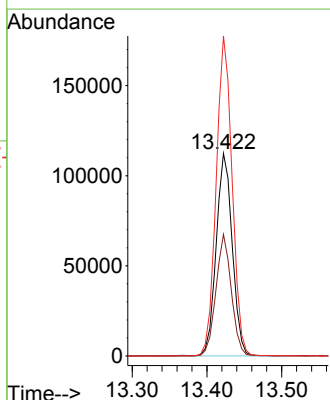
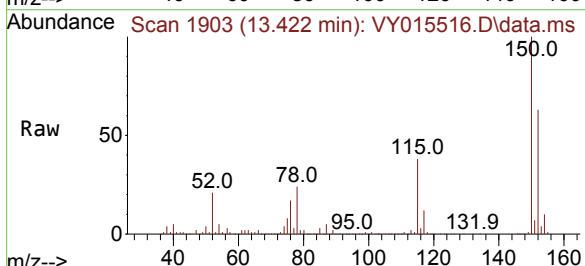
Tgt Ion:152 Resp: 168273

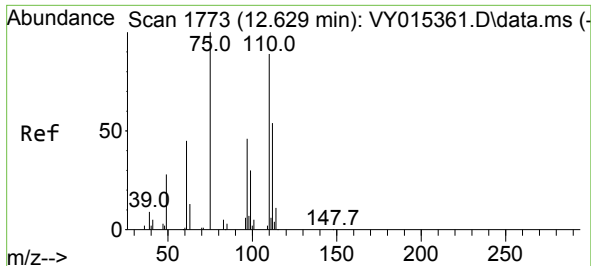
Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 156.8 0.0 348.8

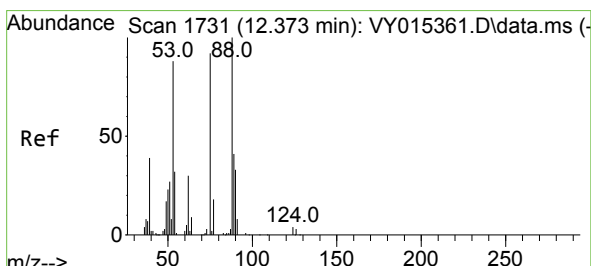
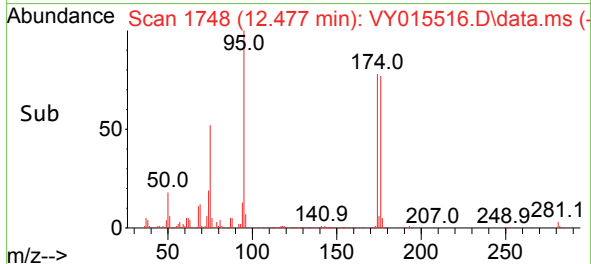
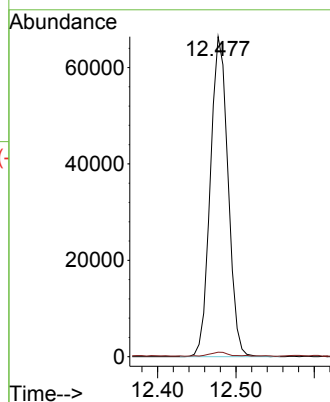
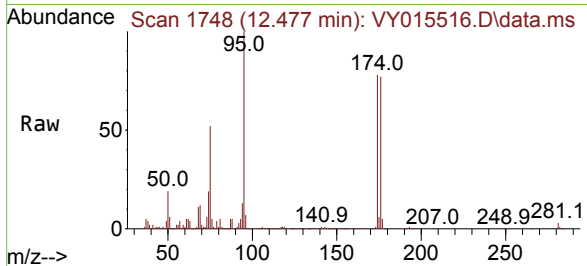




#76
1,2,3-Trichloropropane
Concen: 46.709 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

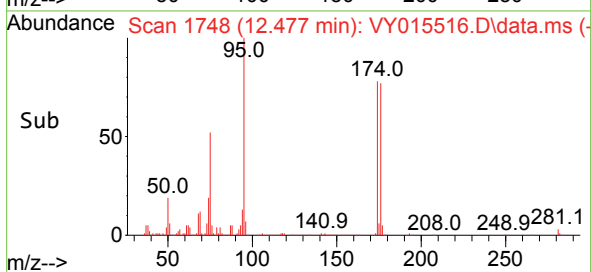
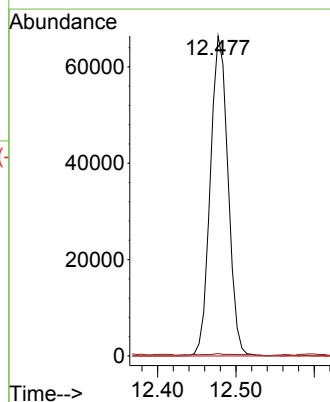
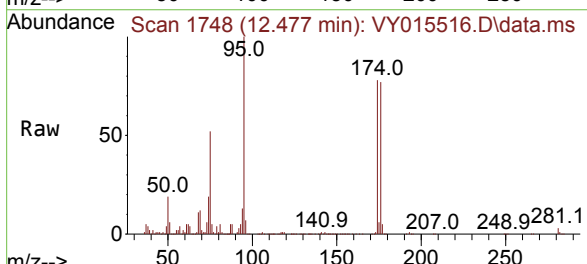
Instrument :
MSVOA_Y
ClientSampleId :

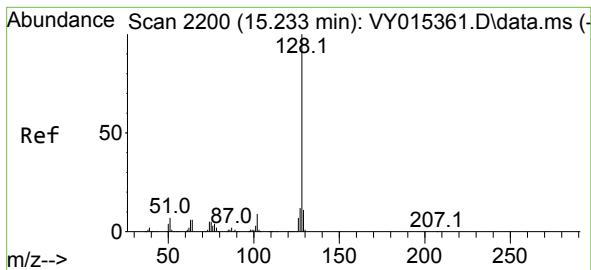
Tgt Ion: 75 Resp: 104229
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.034 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY015516.D
Acq: 12 Sep 2023 18:34

Tgt Ion: 75 Resp: 104229
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 1.736 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

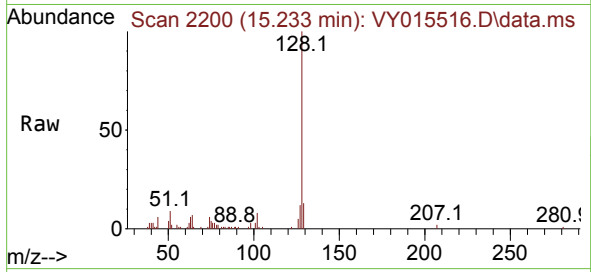
Lab File: VY015516.D

Acq: 12 Sep 2023 18:34

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 14568

Ion Ratio Lower Upper

128 100

127 12.7 10.8 16.2

129 11.3 8.6 13.0

