

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042122\
 Data File : VY008448.D
 Acq On : 21 Apr 2022 18:12
 Operator : KP/MD
 Sample : N2511-04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 05:27:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	90061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	158480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	127007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	38373	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	52035	49.105	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.200%
35) Dibromofluoromethane	7.716	113	51687	50.535	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.060%
50) Toluene-d8	10.179	98	177225	43.763	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.520%
62) 4-Bromofluorobenzene	12.483	95	46433	33.714	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	67.420%

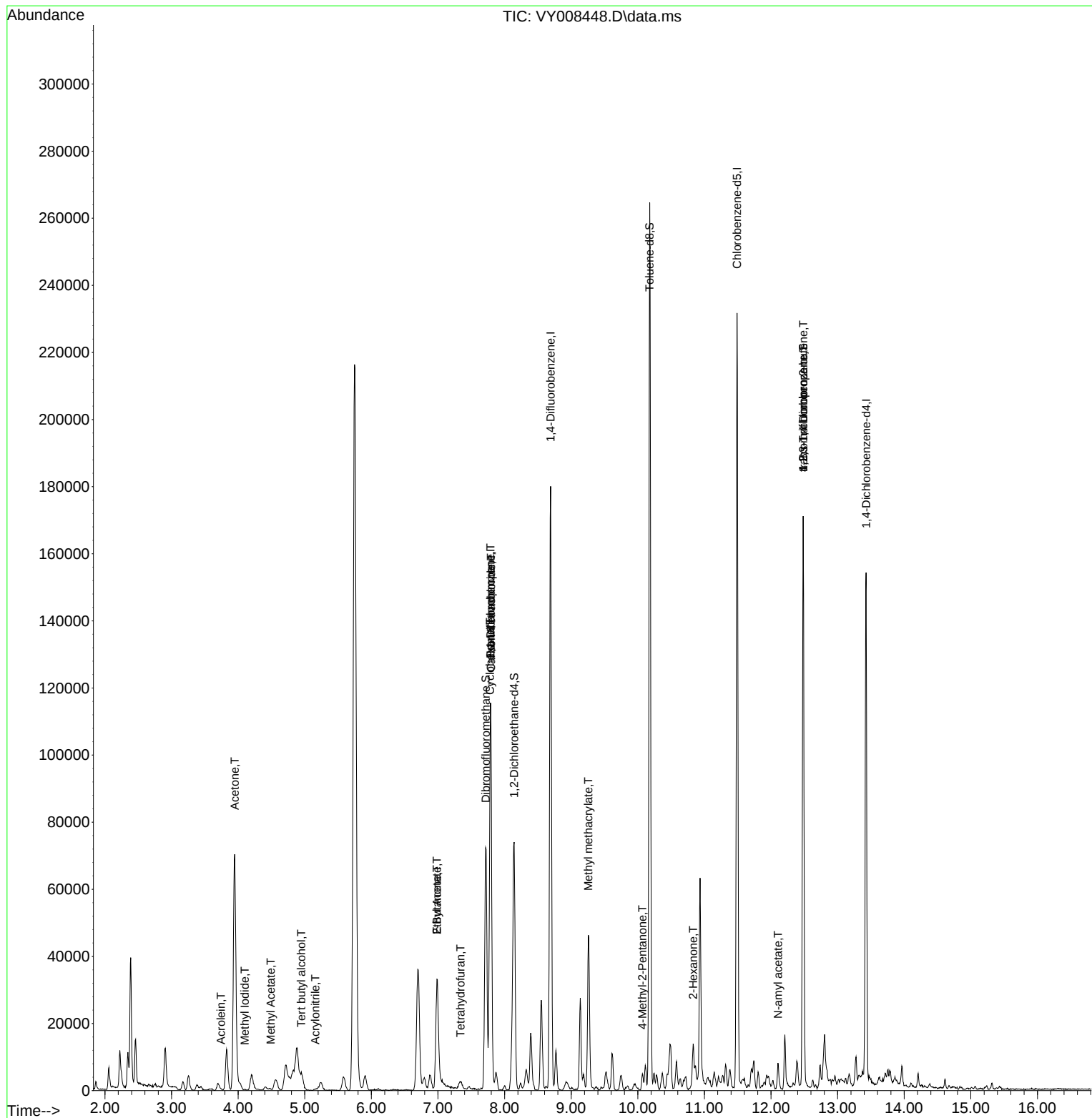
Target Compounds						Qvalue
10) Methyl Iodide	4.101	142	123	1.780	ug/l #	35
11) Tert butyl alcohol	4.948	59	9999	76.190	ug/l #	90
13) Acrolein	3.741	56	695	6.160	ug/l #	14
15) Acrylonitrile	5.161	53	634	2.080	ug/l #	69
16) Acetone	3.948	43	121682	492.999	ug/l #	87
18) Methyl Acetate	4.491	43	962	1.390	ug/l #	56
20) Methylene Chloride	4.716	84	4400	Below Cal	#	75
25) 2-Butanone	6.984	43	49442	129.481	ug/l #	79
29) Tetrahydrofuran	7.338	42	590	2.399	ug/l #	93
31) Cyclohexane	7.783	56	2873	1.649	ug/l #	36
36) 1,1-Dichloropropene	7.789	75	7135	4.386	ug/l #	50
37) Ethyl Acetate	6.984	43	49442	54.950	ug/l #	73
38) Carbon Tetrachloride	7.795	117	8659	5.123	ug/l #	15
48) Methyl methacrylate	9.258	41	11766	16.722	ug/l #	51
51) 4-Methyl-2-Pentanone	10.069	43	4027	4.626	ug/l	97
59) 2-Hexanone	10.831	43	6802	11.355	ug/l	93
74) N-amyl acetate	12.105	43	3919	5.452	ug/l #	50
76) 1,2,3-Trichloropropane	12.483	75	25423	51.193	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25423	118.762	ug/l #	7

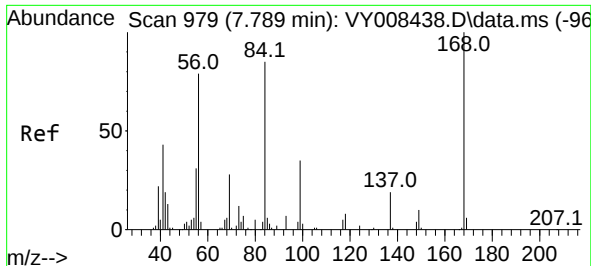
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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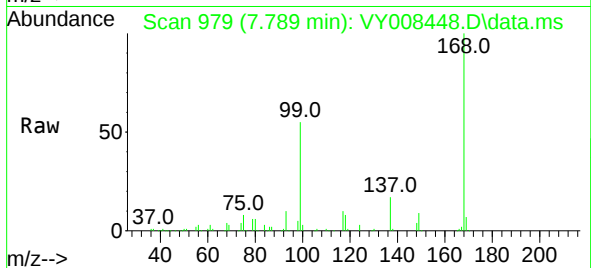
Quant Time: Apr 22 05:27:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 21 14:28:40 2022
Response via : Initial Calibration



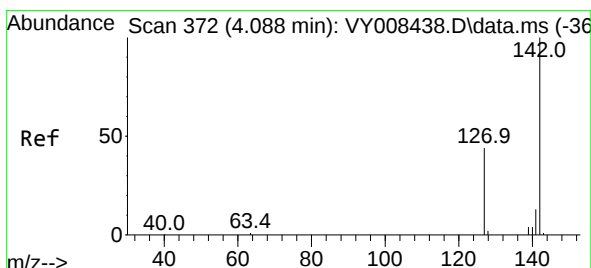
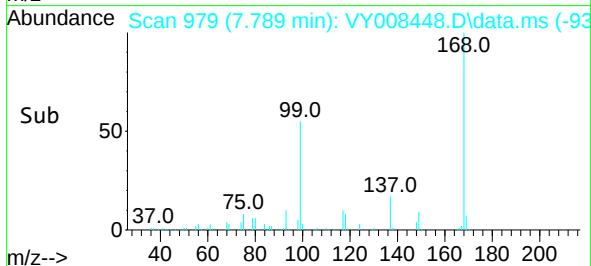
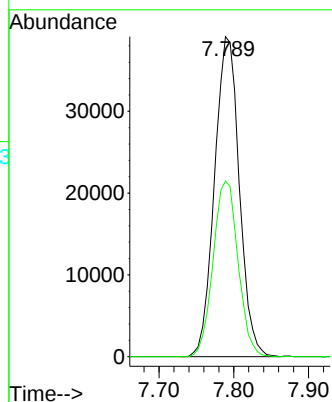


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

Instrument :
MSVOA_Y
ClientSampleId :

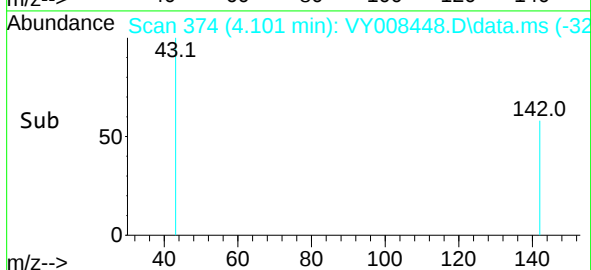
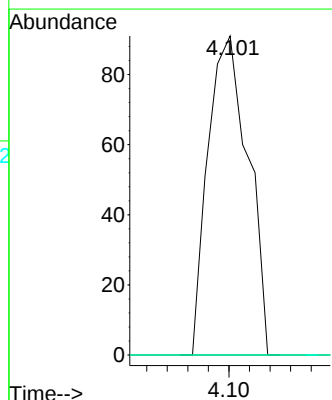
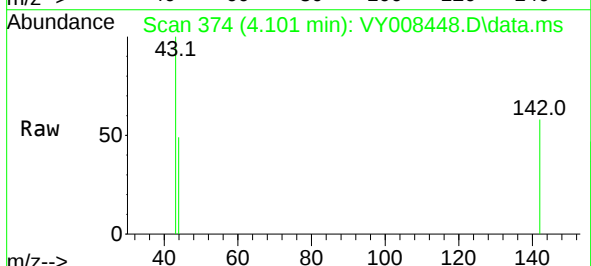


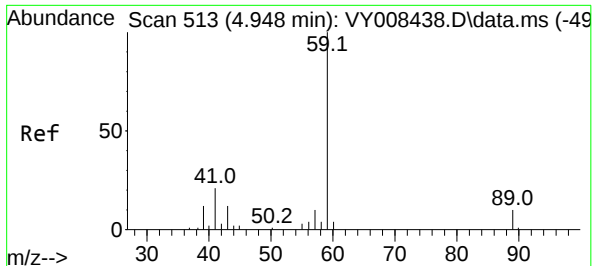
Tgt Ion:168 Resp: 90061
Ion Ratio Lower Upper
168 100
99 54.9 46.9 70.3



#10
Methyl Iodide
Concen: 1.780 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

Tgt Ion:142 Resp: 123
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 76.190 ug/l

RT: 4.948 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY008448.D

Acq: 21 Apr 2022 18:12

Instrument :

MSVOA_Y

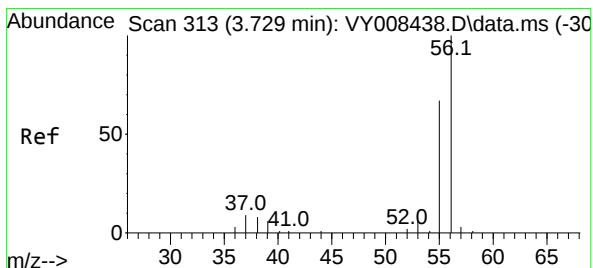
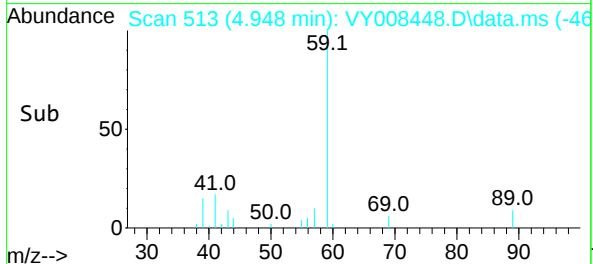
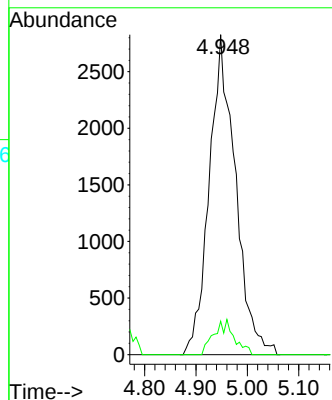
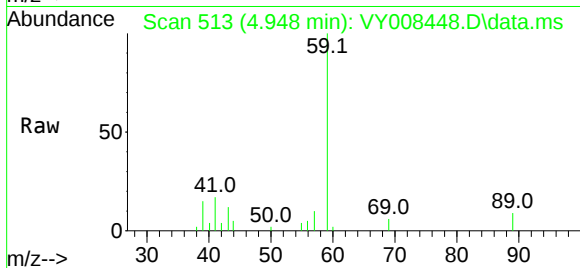
ClientSampleId :

Tgt Ion: 59 Resp: 9999

Ion Ratio Lower Upper

59 100

57 4.5 6.4 9.6#



#13

Acrolein

Concen: 6.160 ug/l

RT: 3.741 min Scan# 315

Delta R.T. 0.012 min

Lab File: VY008448.D

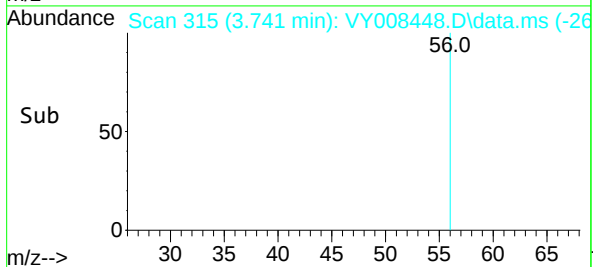
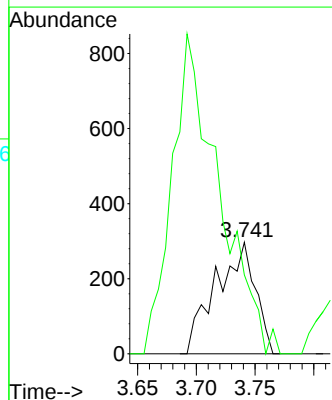
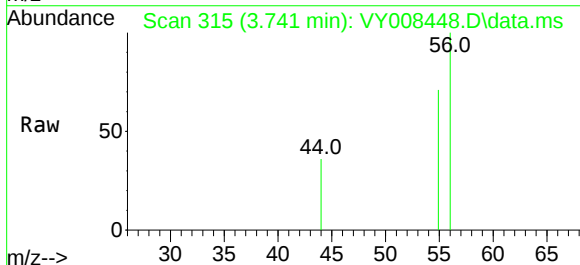
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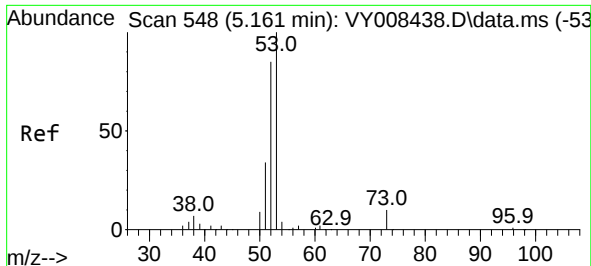
Tgt Ion: 56 Resp: 695

Ion Ratio Lower Upper

56 100

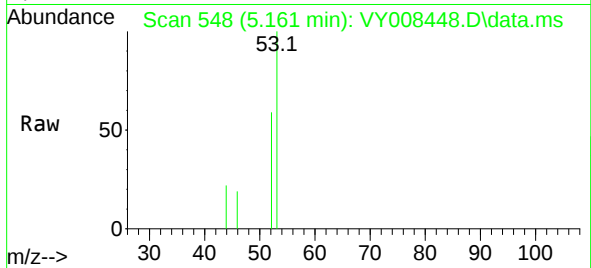
55 0.0 57.6 86.4#



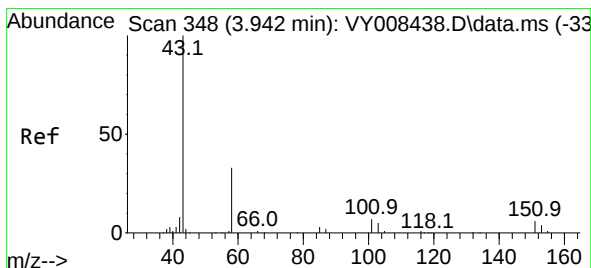
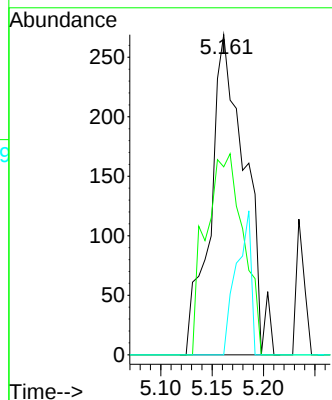
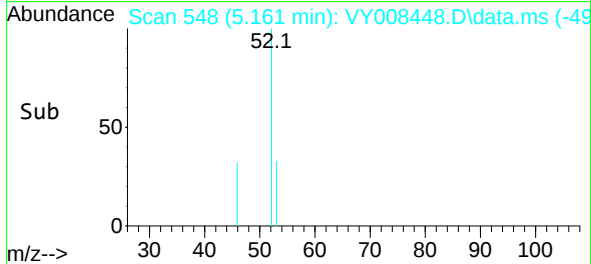


#15
Acrylonitrile
Concen: 2.080 ug/l
RT: 5.161 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

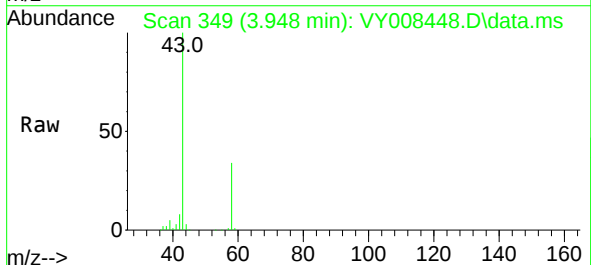
Instrument :
MSVOA_Y
ClientSampleId :



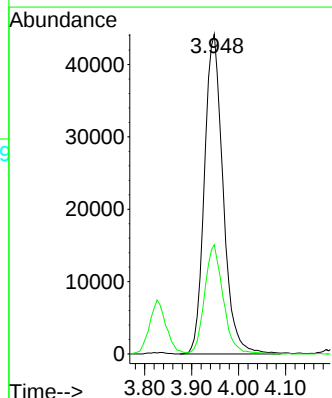
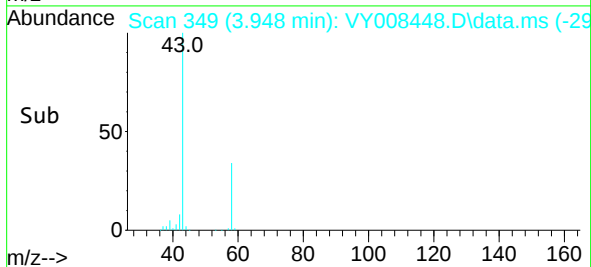
Tgt Ion: 53 Resp: 634
Ion Ratio Lower Upper
53 100
52 67.8 67.0 100.4
51 0.0 29.8 44.6#

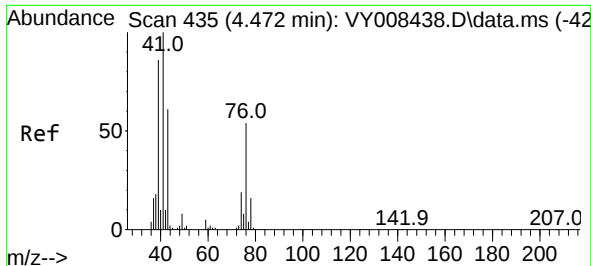


#16
Acetone
Concen: 492.999 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12



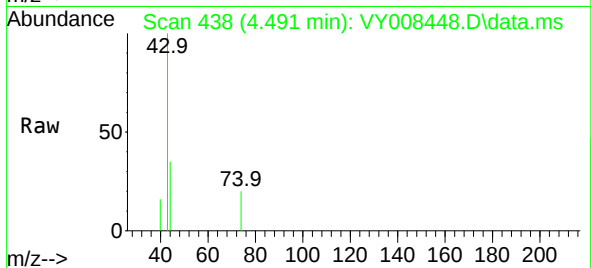
Tgt Ion: 43 Resp: 121682
Ion Ratio Lower Upper
43 100
58 34.1 22.0 33.0#



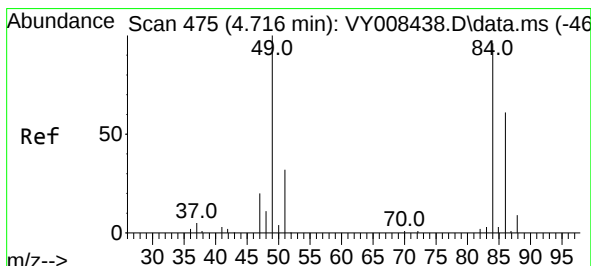
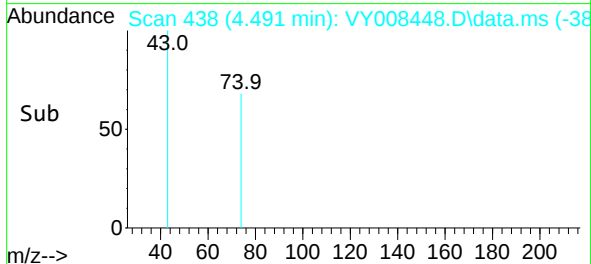
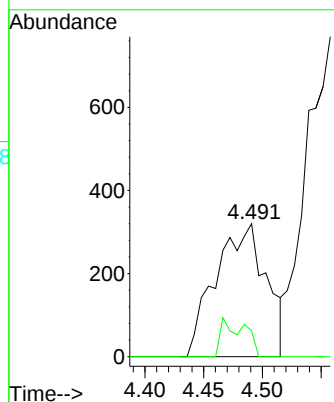


#18
Methyl Acetate
Concen: 1.390 ug/l
RT: 4.491 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

Instrument :
MSVOA_Y
ClientSampleId :

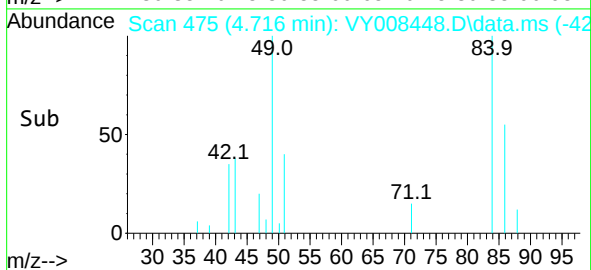
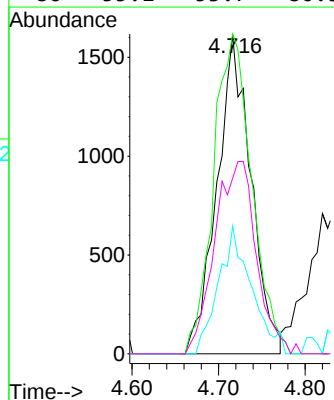
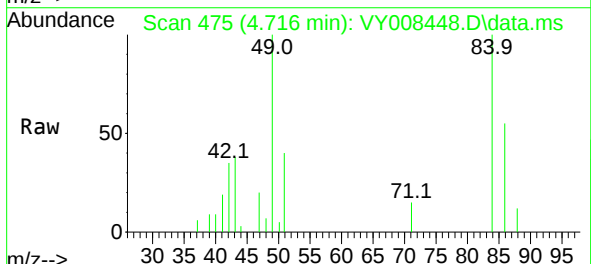


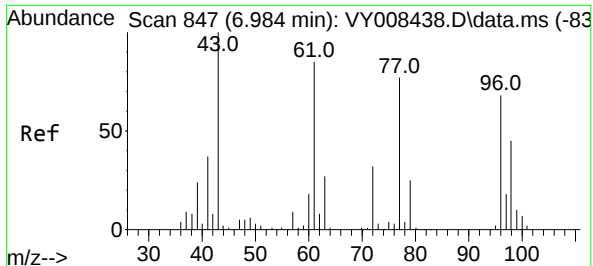
Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

Tgt Ion: 84 Resp: 4400
Ion Ratio Lower Upper
84 100
49 100.2 114.4 171.6#
51 40.0 35.3 52.9
86 55.1 53.7 80.5





#25

2-Butanone

Concen: 129.481 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY008448.D

Acq: 21 Apr 2022 18:12

Instrument :

MSVOA_Y

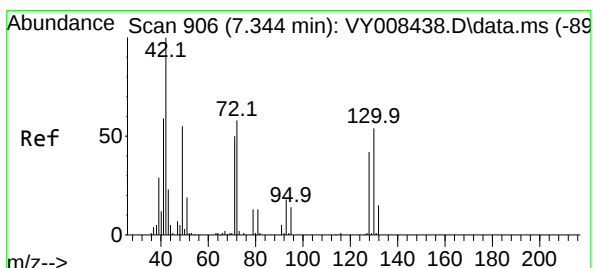
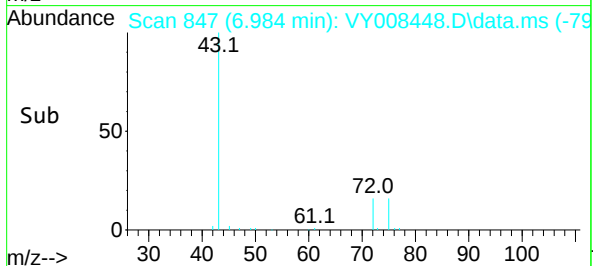
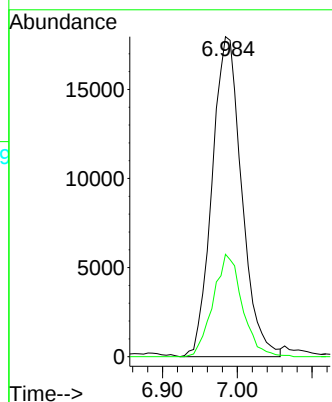
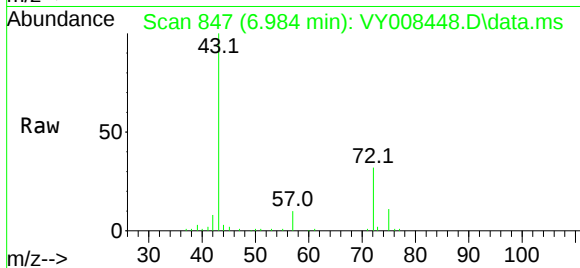
ClientSampleId :

Tgt Ion: 43 Resp: 49442

Ion Ratio Lower Upper

43 100

72 32.0 17.7 26.5#



#29

Tetrahydrofuran

Concen: 2.399 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY008448.D

Acq: 21 Apr 2022 18:12

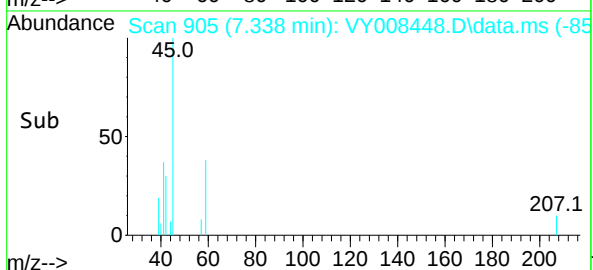
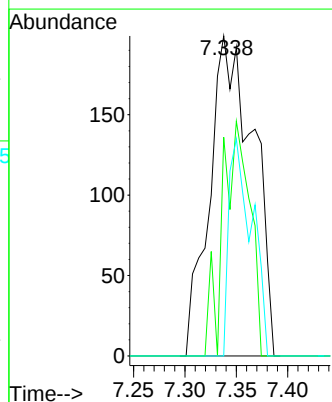
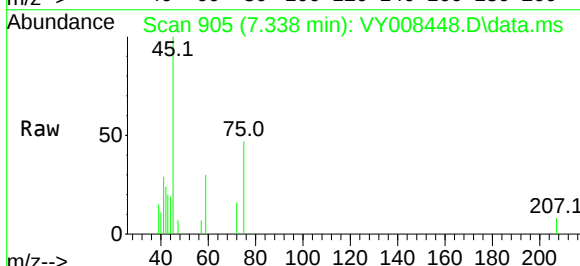
Tgt Ion: 42 Resp: 590

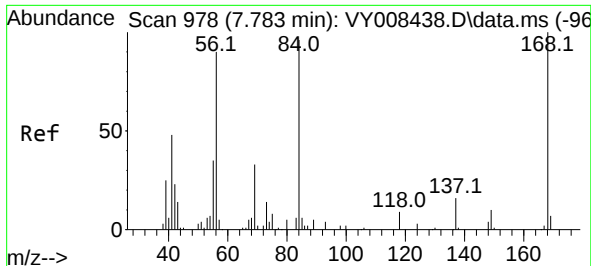
Ion Ratio Lower Upper

42 100

72 45.8 30.3 45.5#

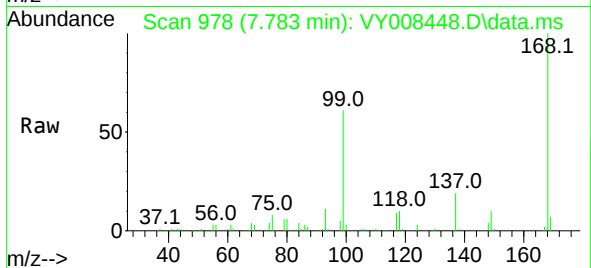
71 35.4 29.0 43.4



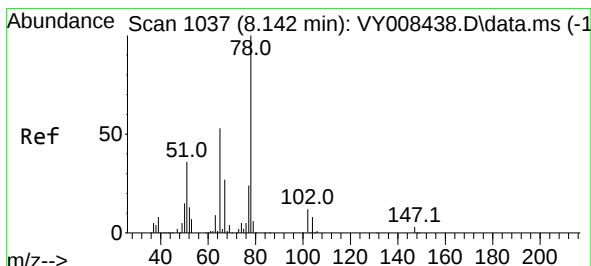
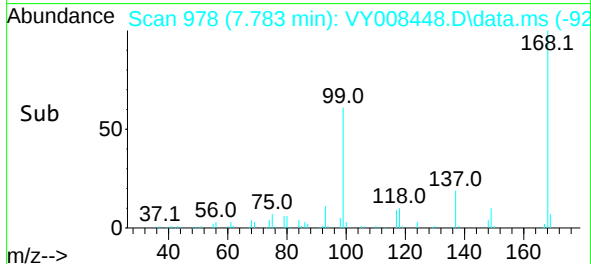
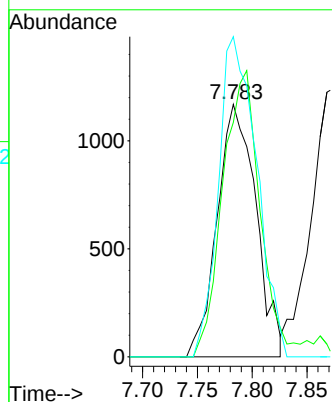


#31
Cyclohexane
Concen: 1.649 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

Instrument :
MSVOA_Y
ClientSampleId :

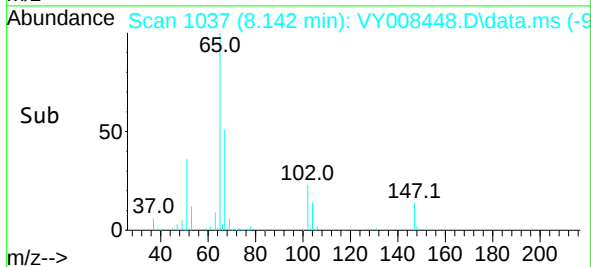
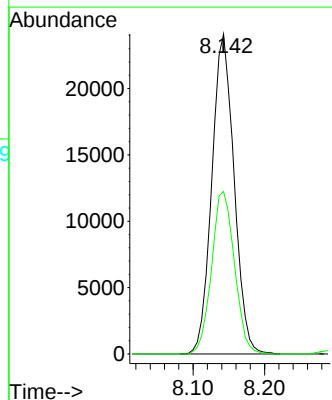
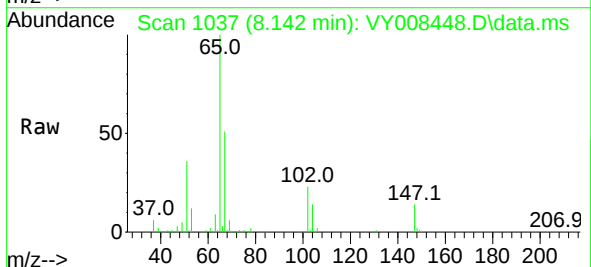


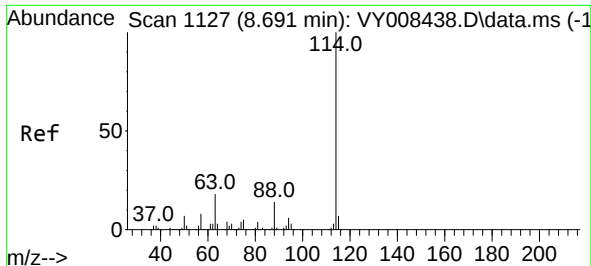
Tgt Ion: 56 Resp: 2873
Ion Ratio Lower Upper
56 100
69 92.8 26.7 40.1#
84 126.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 49.105 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

Tgt Ion: 65 Resp: 52035
Ion Ratio Lower Upper
65 100
67 52.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008448.D

Acq: 21 Apr 2022 18:12

Instrument :

MSVOA_Y

ClientSampleId :

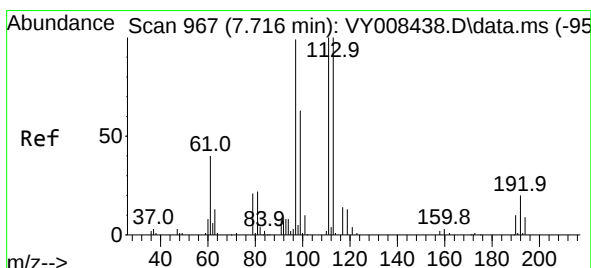
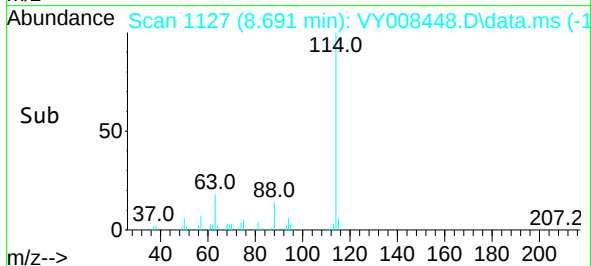
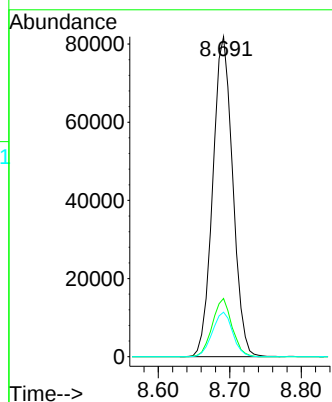
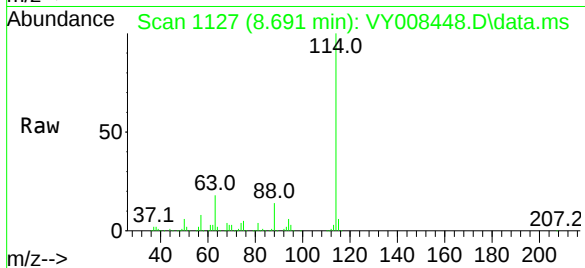
Tgt Ion:114 Resp: 158480

Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.535 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008448.D

Acq: 21 Apr 2022 18:12

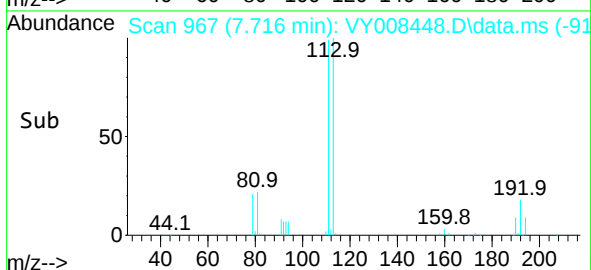
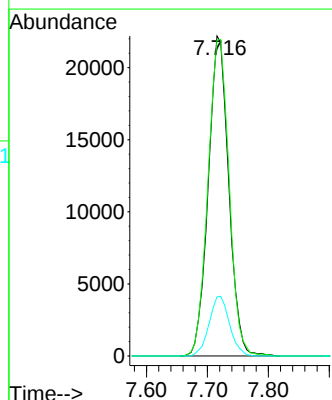
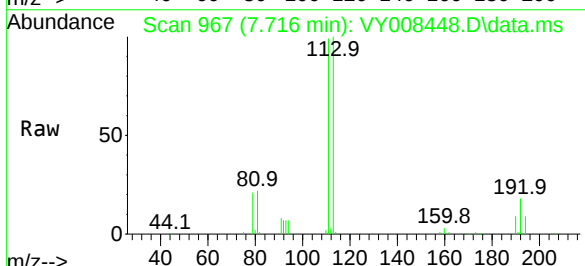
Tgt Ion:113 Resp: 51687

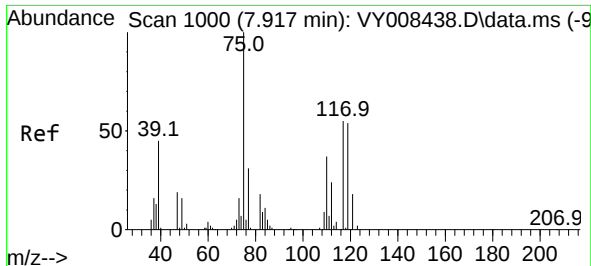
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

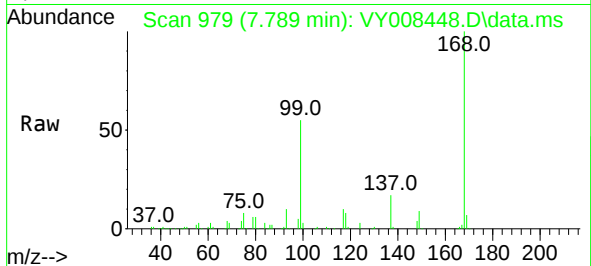
192 18.6 17.6 26.4



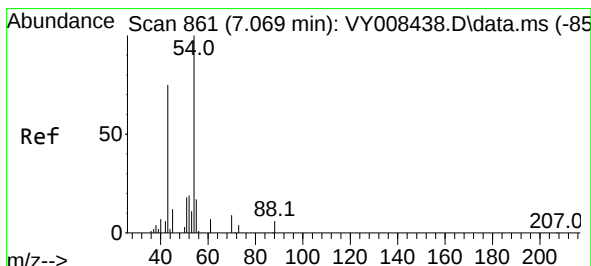
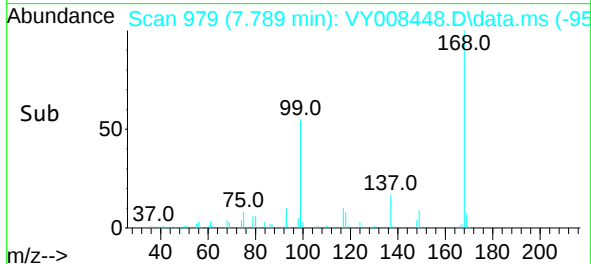
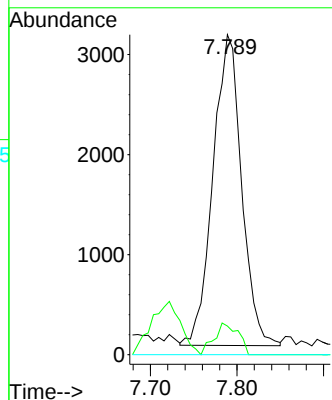


#36
1,1-Dichloropropene
Concen: 4.386 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

Instrument :
MSVOA_Y
ClientSampleId :

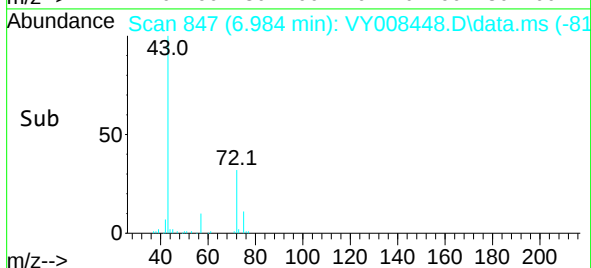
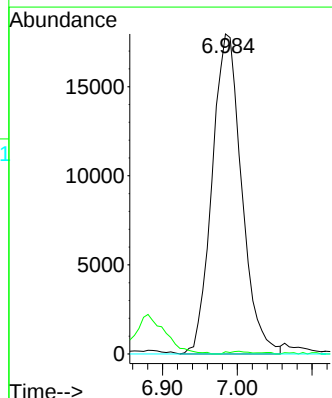
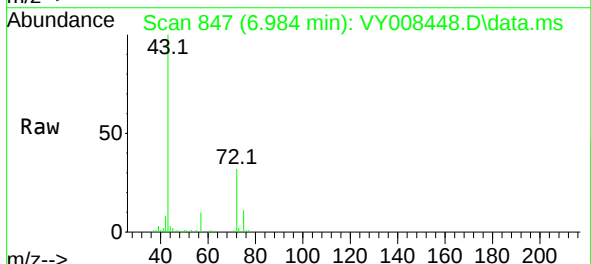


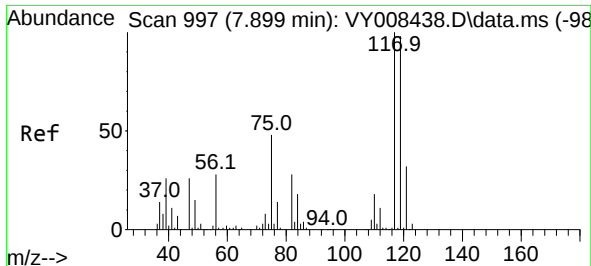
Tgt Ion: 75 Resp: 7135
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 54.950 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

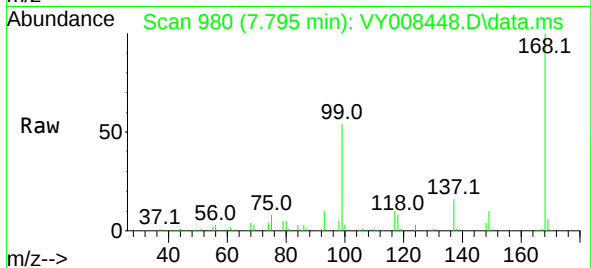
Tgt Ion: 43 Resp: 49442
Ion Ratio Lower Upper
43 100
61 0.6 9.7 14.5#
70 0.0 7.1 10.7#



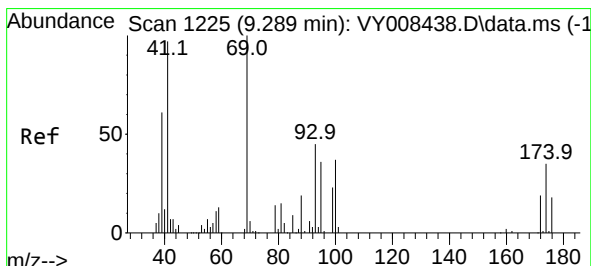
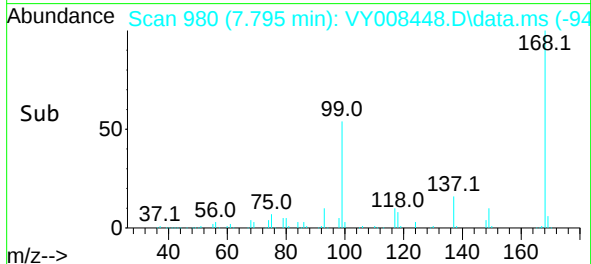
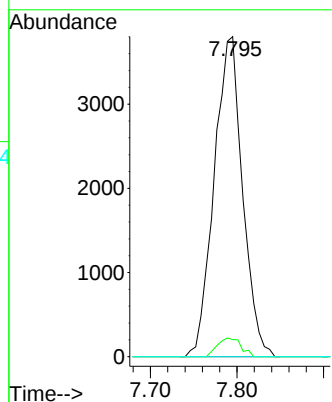


#38
Carbon Tetrachloride
Concen: 5.123 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

Instrument :
MSVOA_Y
ClientSampleId :

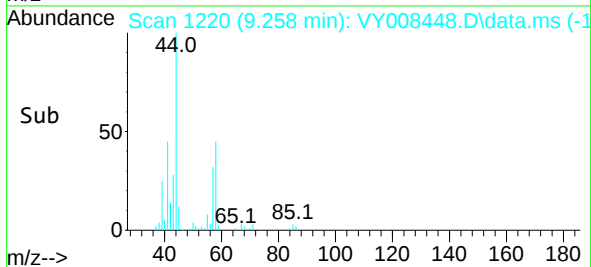
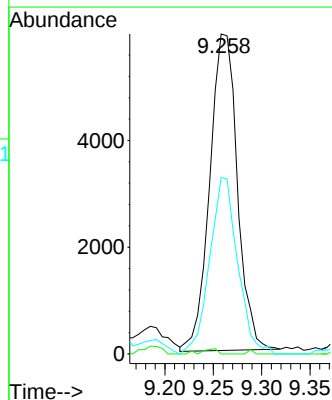
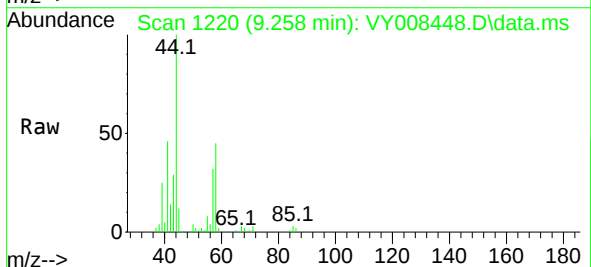


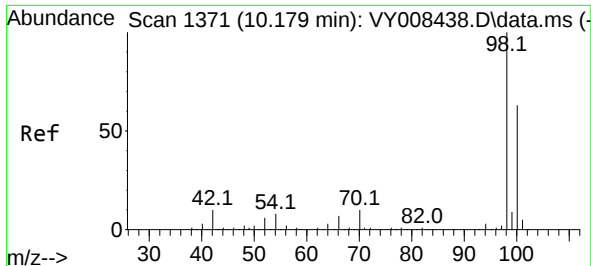
Tgt Ion:117 Resp: 8659
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#48
Methyl methacrylate
Concen: 16.722 ug/l
RT: 9.258 min Scan# 1220
Delta R.T. -0.031 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

Tgt Ion: 41 Resp: 11766
Ion Ratio Lower Upper
41 100
69 0.9 58.2 87.2#
39 56.4 47.4 71.0

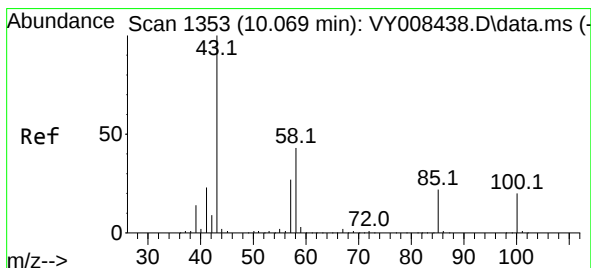
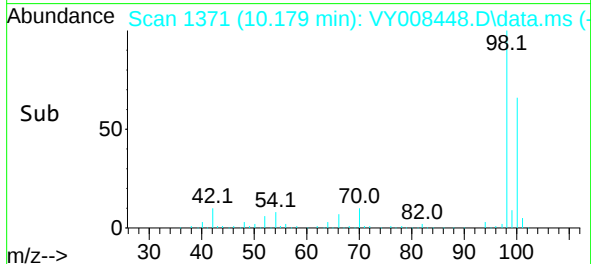
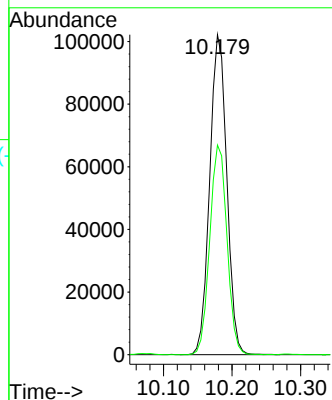
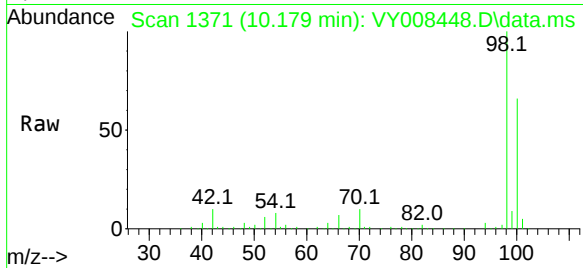




#50
Toluene-d8
Concen: 43.763 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

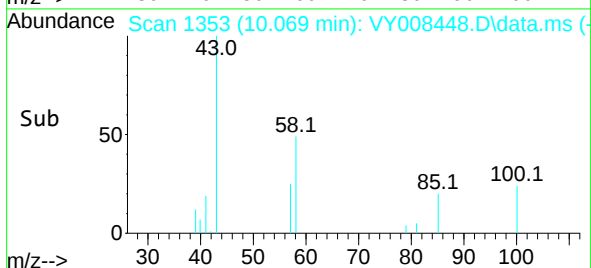
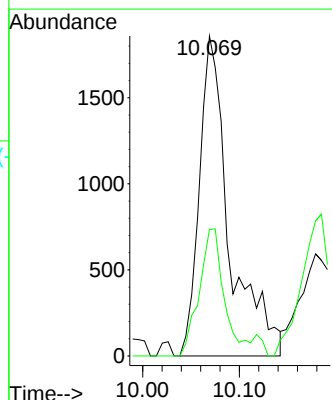
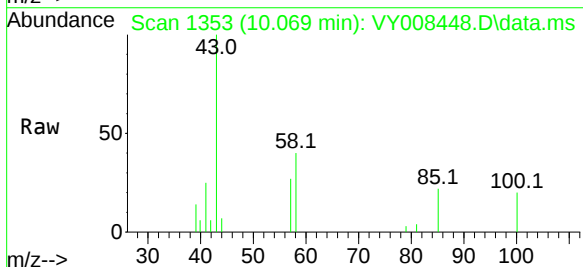
Instrument :
MSVOA_Y
ClientSampleId :

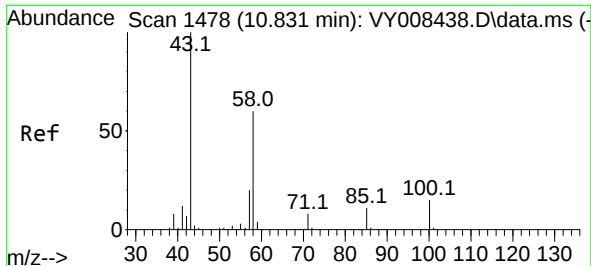
Tgt Ion: 98 Resp: 177225
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 4.626 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

Tgt Ion: 43 Resp: 4027
Ion Ratio Lower Upper
43 100
58 33.3 28.1 42.1

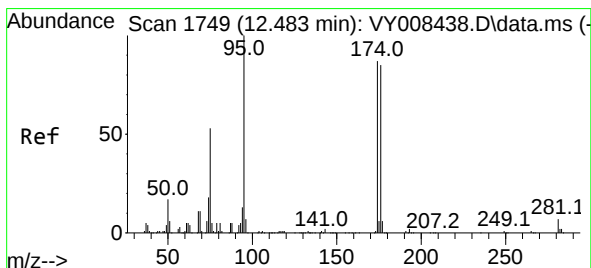
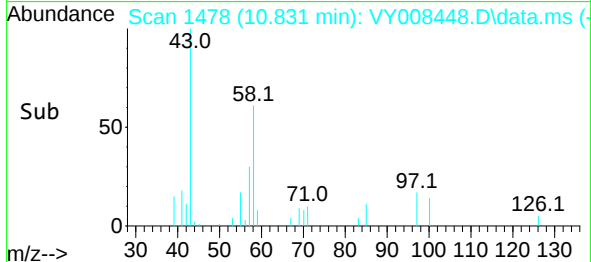
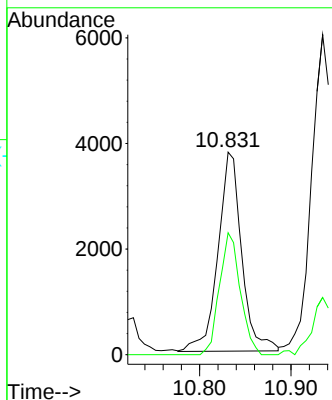
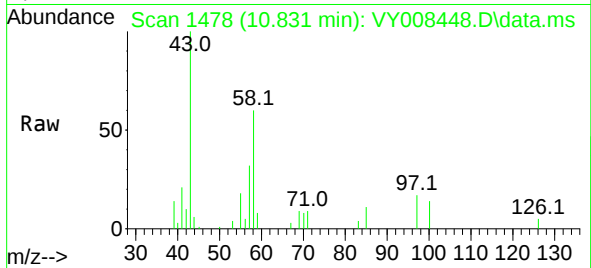




#59
2-Hexanone
Concen: 11.355 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

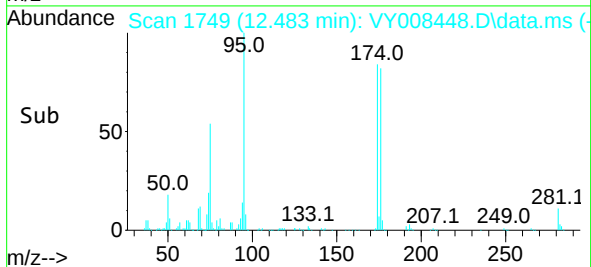
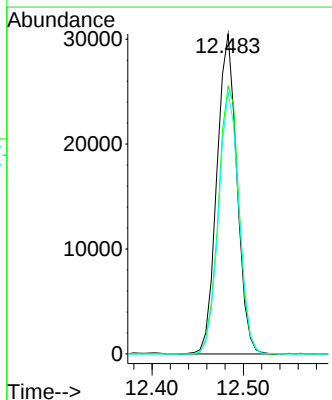
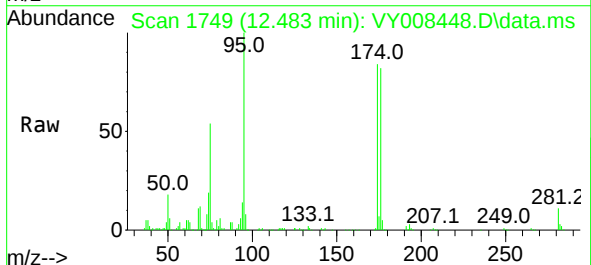
Instrument :
MSVOA_Y
ClientSampleId :

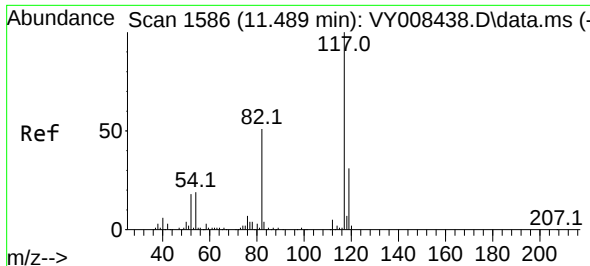
Tgt Ion: 43 Resp: 6802
Ion Ratio Lower Upper
43 100
58 53.6 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 33.714 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

Tgt Ion: 95 Resp: 46433
Ion Ratio Lower Upper
95 100
174 86.8 0.0 177.0
176 83.2 0.0 175.8

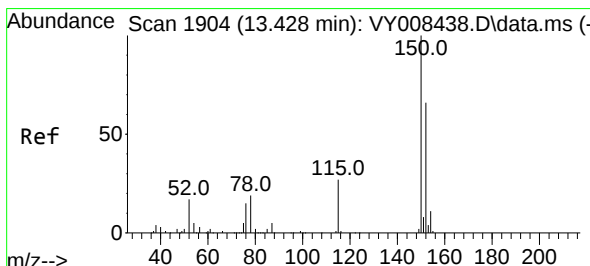
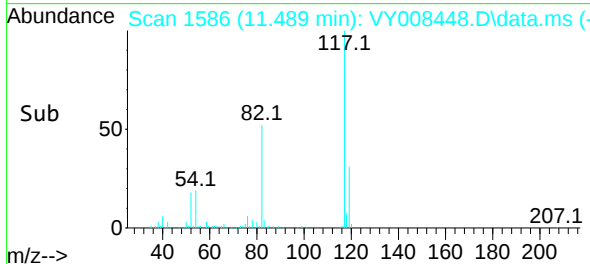
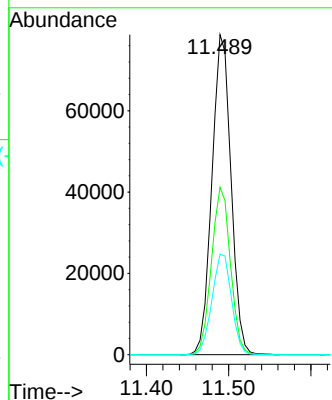
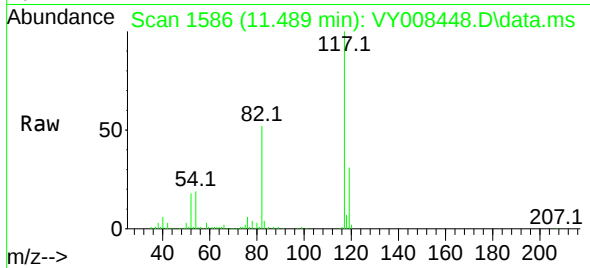




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

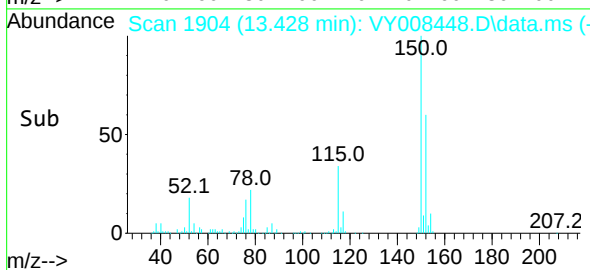
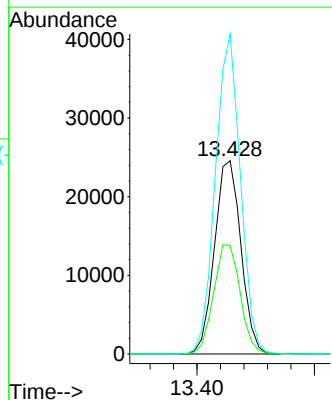
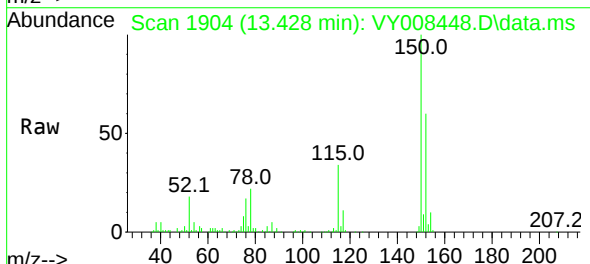
Instrument :
MSVOA_Y
ClientSampleId :

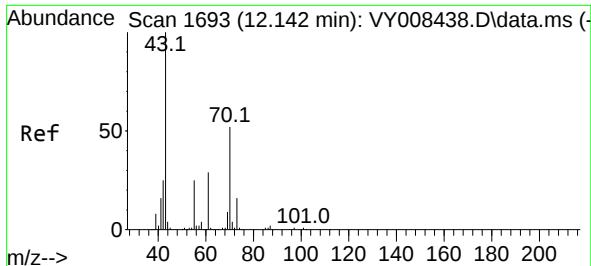
Tgt Ion:117 Resp: 127007
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

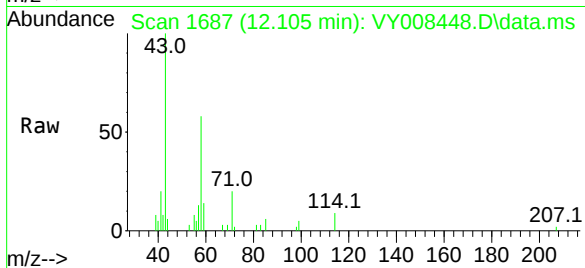
Tgt Ion:152 Resp: 38373
Ion Ratio Lower Upper
152 100
115 56.8 28.2 84.7
150 157.1 0.0 347.6



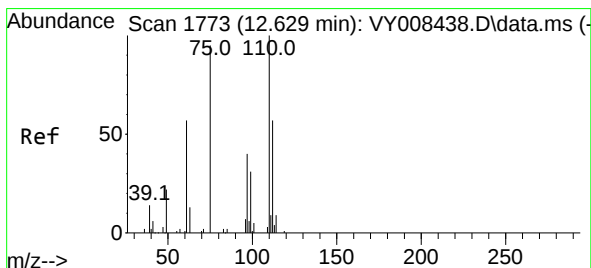
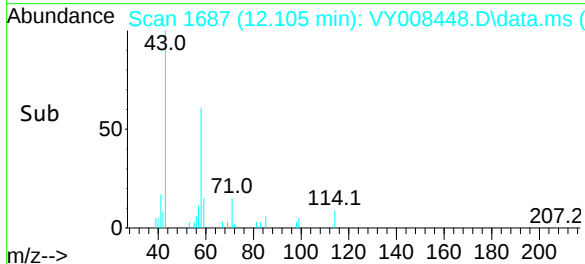
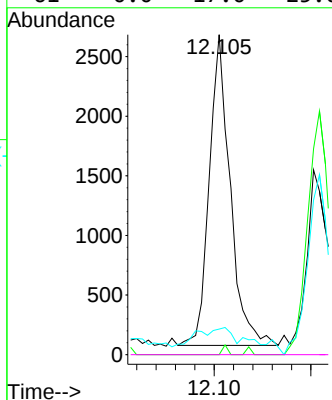


#74
N-amy1 acetate
Concen: 5.452 ug/l
RT: 12.105 min Scan# 1749
Delta R.T. -0.037 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

Instrument :
MSVOA_Y
ClientSampleId :

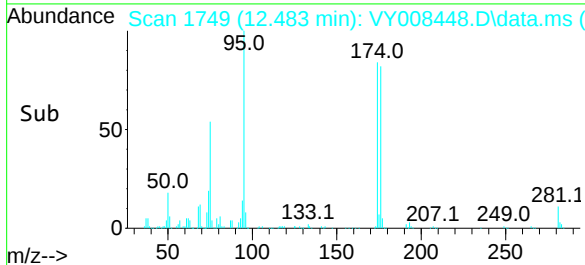
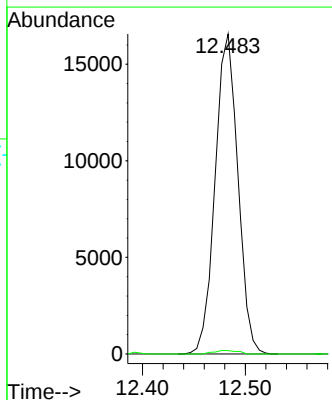
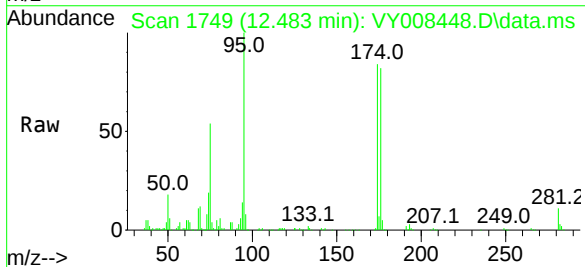


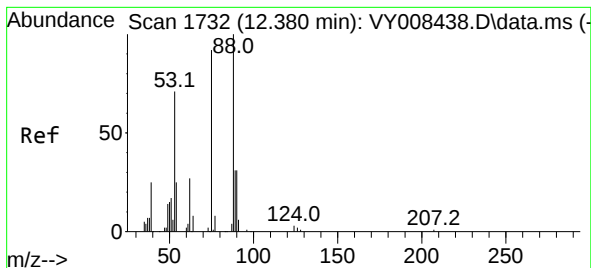
Tgt Ion: 43 Resp: 3919
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 4.3 17.3 25.9#
61 0.0 17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 51.193 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008448.D
Acq: 21 Apr 2022 18:12

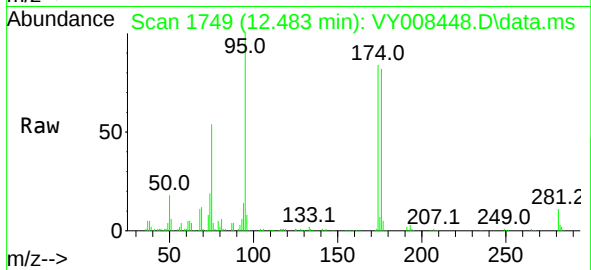
Tgt Ion: 75 Resp: 25423
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.762 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY008448.D
 Acq: 21 Apr 2022 18:12

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 25423
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

