

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022222\
 Data File : VY007578.D
 Acq On : 22 Feb 2022 13:21
 Operator : SY/MD
 Sample : N1600-04
 Misc : 4.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AA4

Quant Time: Feb 22 14:14:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 15:25:36 2022
 Response via : Initial Calibration

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

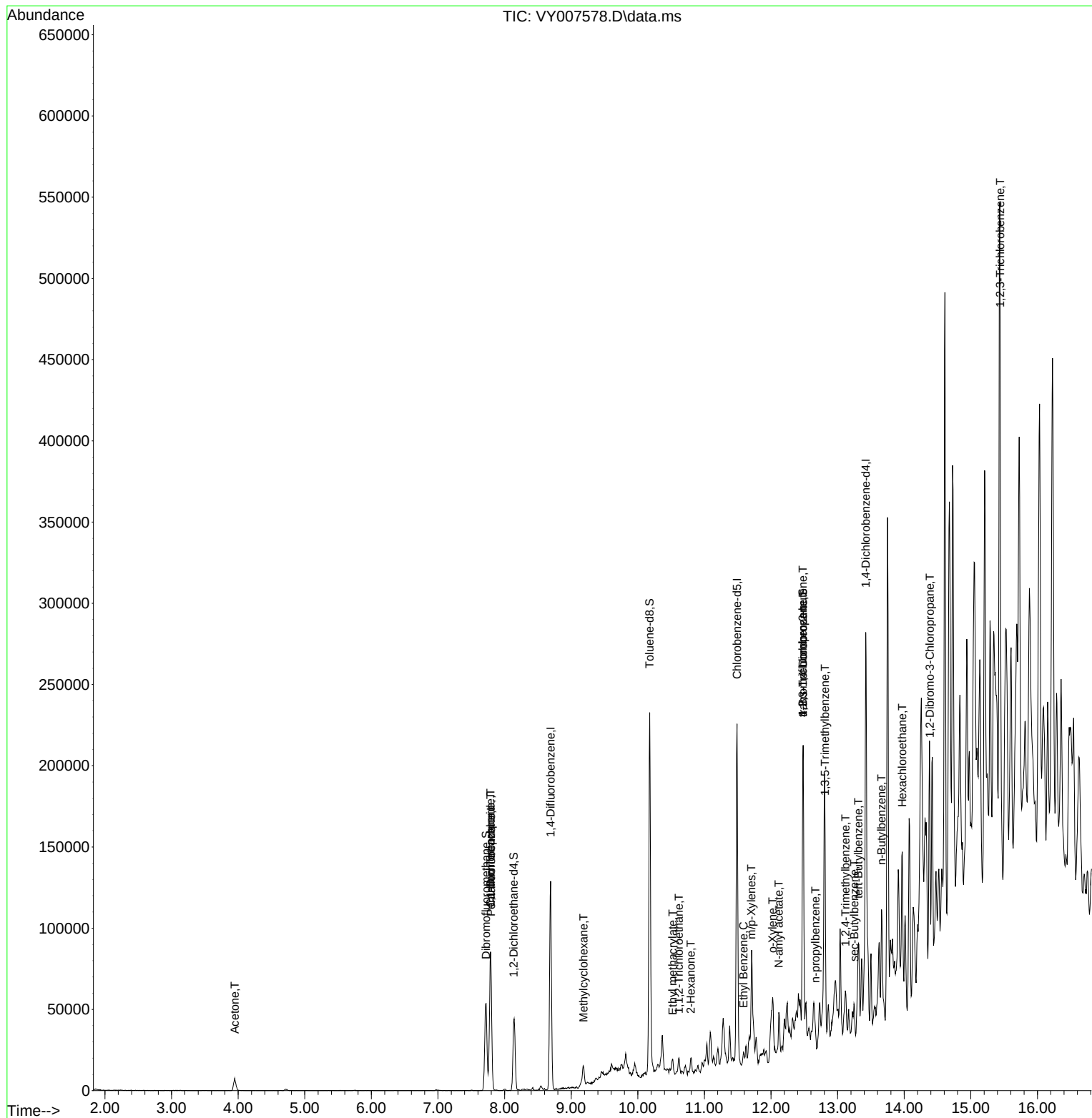
Internal Standards						
1) Pentafluorobenzene	7.795	168	61926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	104128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	109439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	49613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	36980	57.658	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.320%	
35) Dibromofluoromethane	7.722	113	34477	52.217	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.440%	
50) Toluene-d8	10.179	98	130121	56.839	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 113.680%	
62) 4-Bromofluorobenzene	12.477	95	48705	58.757	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.520%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	11514	76.092	ug/l #	83
20) Methylene Chloride	4.716	84	768	Below Cal	#	89
31) Cyclohexane	7.789	56	1806	Below Cal	#	41
36) 1,1-Dichloropropene	7.789	75	4861	5.038	ug/l #	56
38) Carbon Tetrachloride	7.789	117	6565	5.053	ug/l #	15
39) Methylcyclohexane	9.185	83	5216	4.281	ug/l #	78
55) 1,1,2-Trichloroethane	10.618	97	4576	7.843	ug/l #	19
56) Ethyl methacrylate	10.526	69	1424	1.985	ug/l #	60
59) 2-Hexanone	10.794	43	3246	11.188	ug/l #	33
67) Ethyl Benzene	11.587	91	4424	1.088	ug/l	99
68) m/p-Xylenes	11.703	106	1988	1.284	ug/l	82
69) o-Xylene	12.026	106	7851	5.318	ug/l	93
74) N-amyl acetate	12.117	43	4694	6.163	ug/l #	71
76) 1,2,3-Trichloropropane	12.477	75	29428	50.673	ug/l #	100
78) n-propylbenzene	12.666	91	4663	1.019	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	17965	5.457	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.477	75	29428	124.186	ug/l #	8
83) tert-Butylbenzene	13.312	119	8249	2.814	ug/l	67
84) 1,2,4-Trimethylbenzene	13.117	105	13327	4.119	ug/l	87
85) sec-Butylbenzene	13.251	105	5748	1.358	ug/l #	77
89) n-Butylbenzene	13.660	91	4629	1.422	ug/l #	1
90) Hexachloroethane	13.971	117	3751	5.315	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.385	75	391	3.087	ug/l #	29
96) 1,2,3-Trichlorobenzene	15.440	180	2127	2.333	ug/l #	1

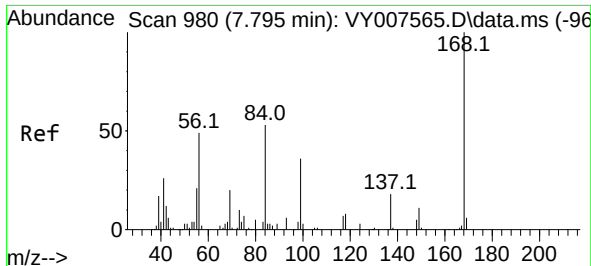
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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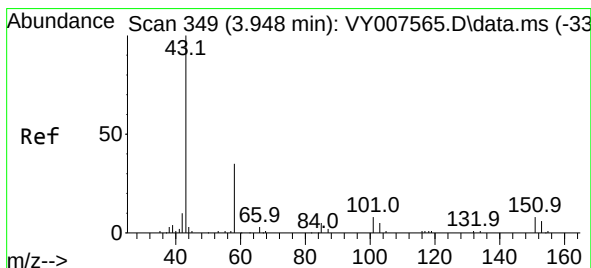
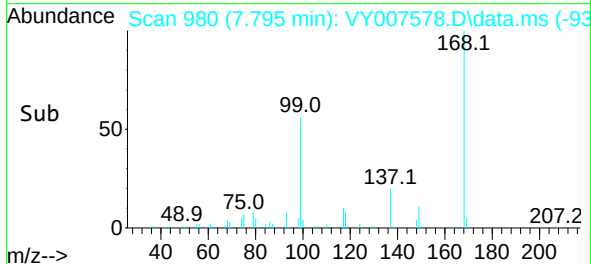
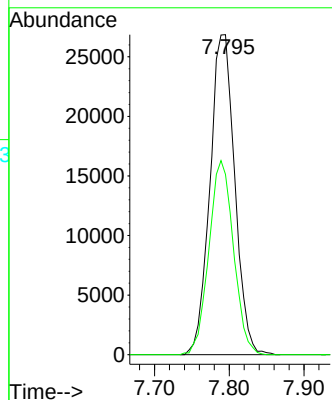
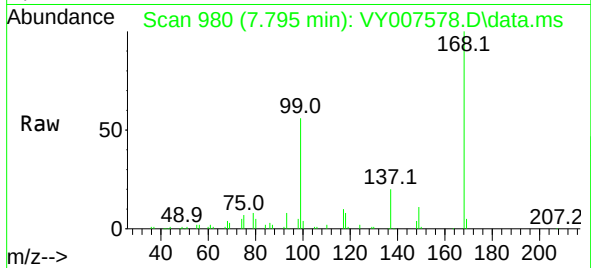




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

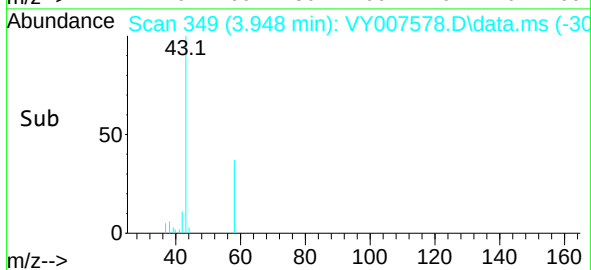
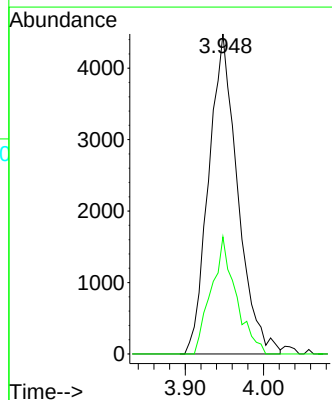
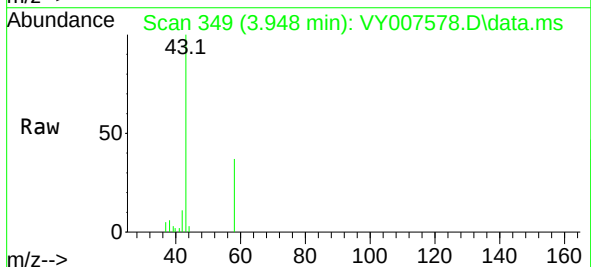
Instrument :
MSVOA_Y
ClientSampleId :
C0AA4

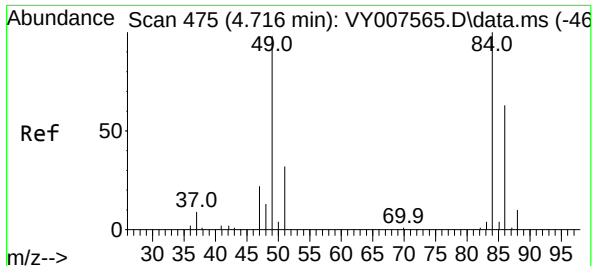
Tgt Ion:168 Resp: 61926
Ion Ratio Lower Upper
168 100
99 56.3 46.9 70.3



#16
Acetone
Concen: 76.092 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

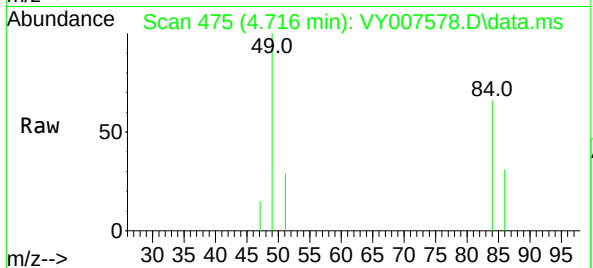
Tgt Ion: 43 Resp: 11514
Ion Ratio Lower Upper
43 100
58 36.6 22.0 33.0#





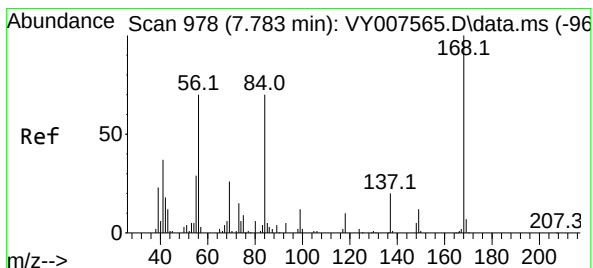
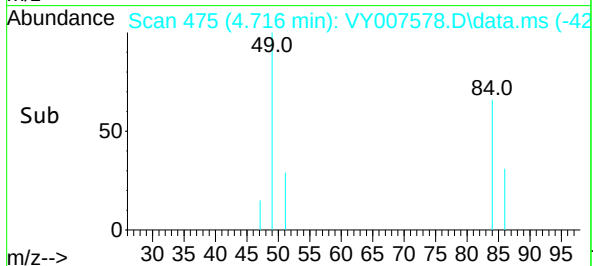
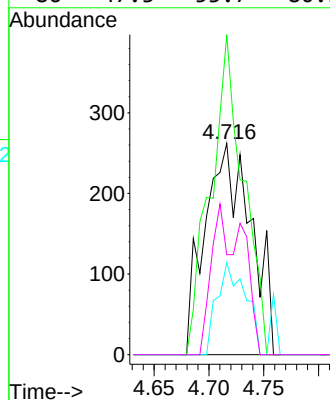
#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :
C0AA4



Tgt Ion: 84 Resp: 768

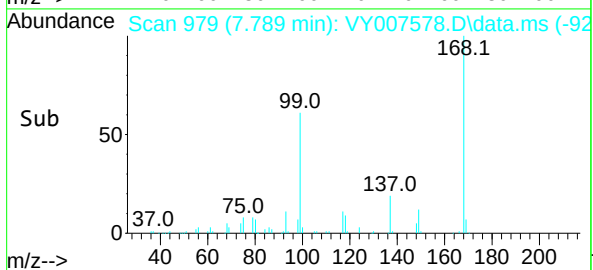
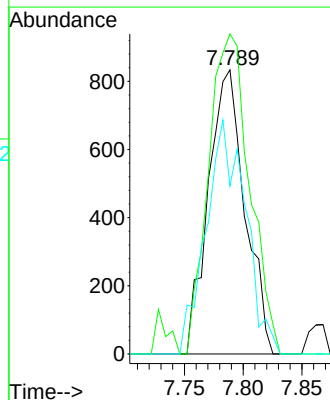
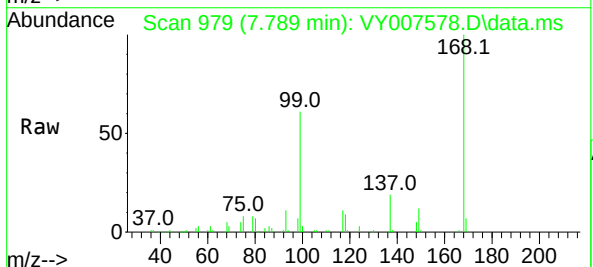
Ion	Ratio	Lower	Upper
84	100		
49	151.5	114.4	171.6
51	43.5	35.3	52.9
86	47.3	53.7	80.5

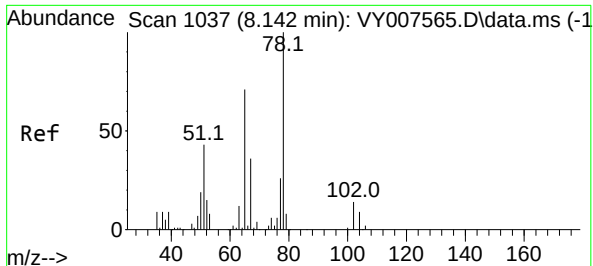


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Tgt Ion: 56 Resp: 1806

Ion	Ratio	Lower	Upper
56	100		
69	112.6	26.7	40.1
84	59.1	67.2	100.8





#33

1,2-Dichloroethane-d4

Concen: 57.658 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY007578.D

Acq: 22 Feb 2022 13:21

Instrument :

MSVOA_Y

ClientSampleId :

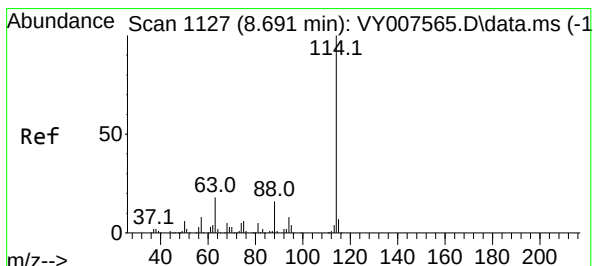
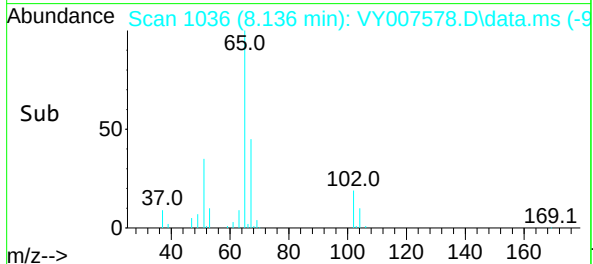
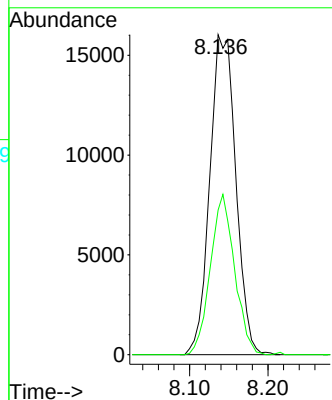
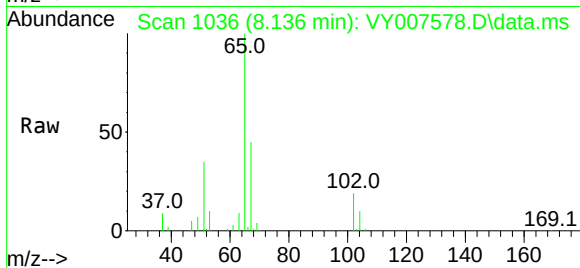
C0AA4

Tgt Ion: 65 Resp: 36980

Ion Ratio Lower Upper

65 100

67 46.7 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: VY007578.D

Acq: 22 Feb 2022 13:21

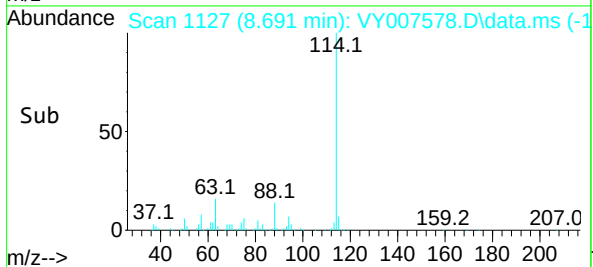
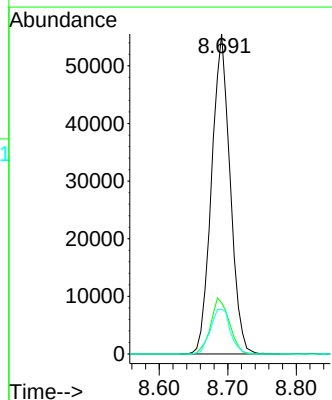
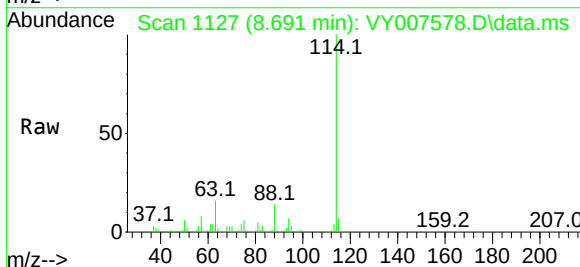
Tgt Ion: 114 Resp: 104128

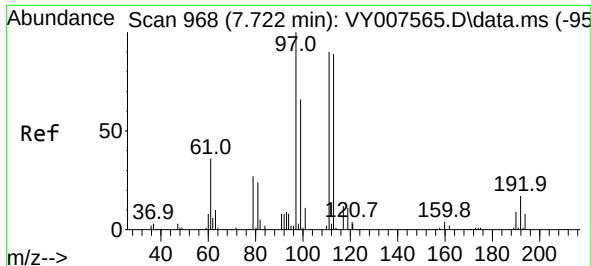
Ion Ratio Lower Upper

114 100

63 16.1 0.0 43.2

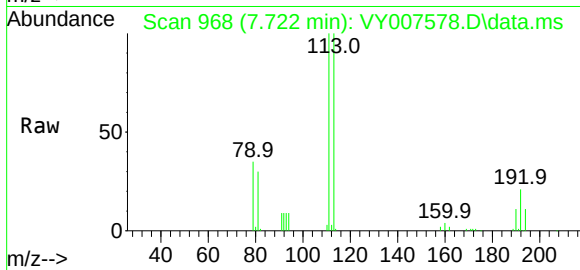
88 13.9 0.0 31.8



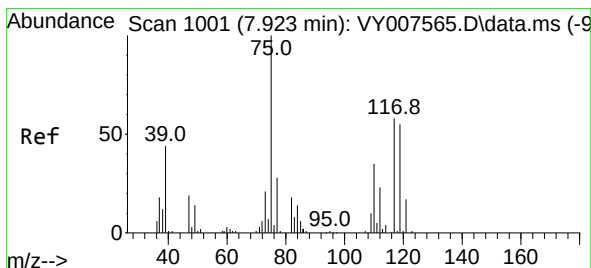
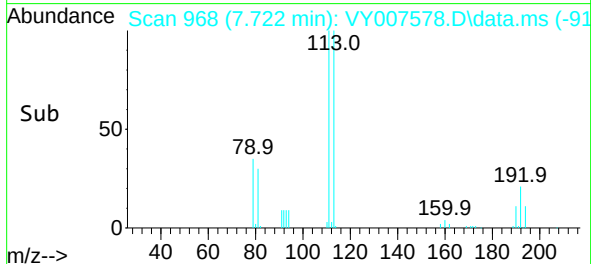
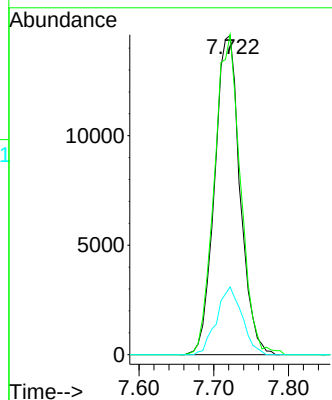


#35
Dibromofluoromethane
Concen: 52.217 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Instrument :
MSVOA_Y
ClientSampleId :
C0AA4

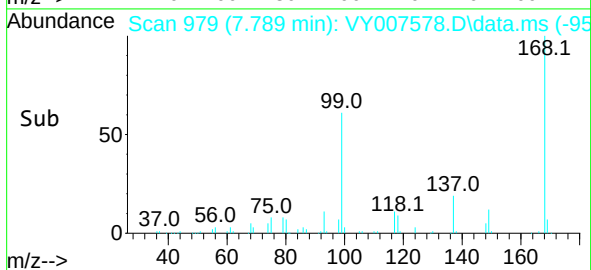
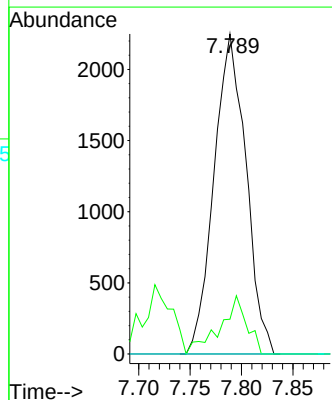
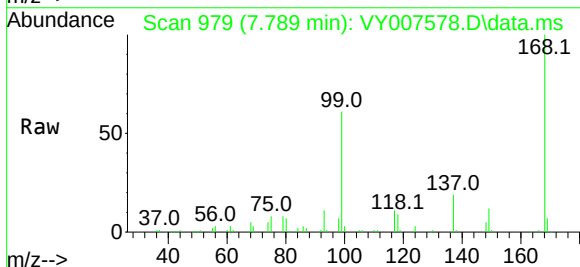


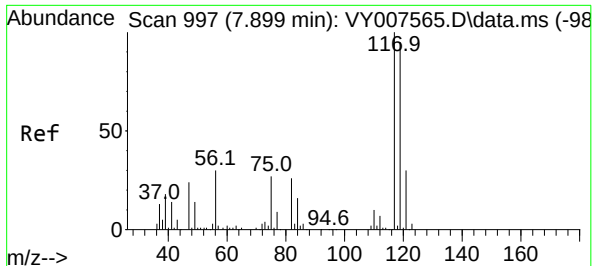
Tgt Ion:113 Resp: 34477
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 21.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.038 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Tgt Ion: 75 Resp: 4861
Ion Ratio Lower Upper
75 100
110 14.6 17.1 51.2#
77 0.0 24.4 36.6#

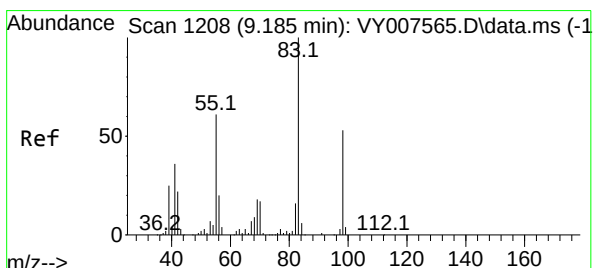
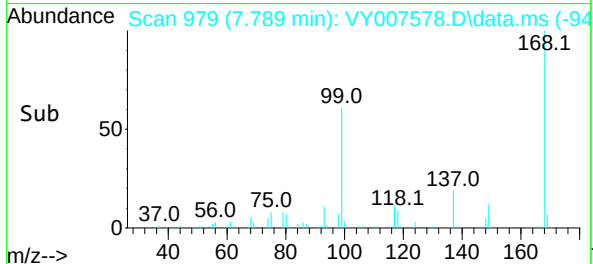
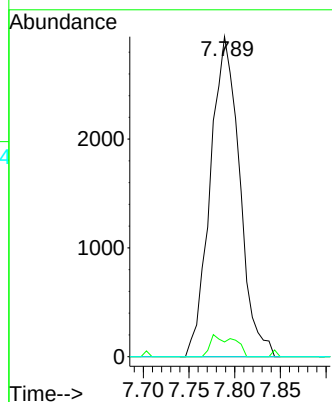
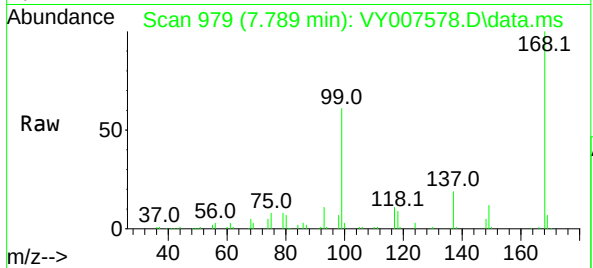




#38
Carbon Tetrachloride
Concen: 5.053 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

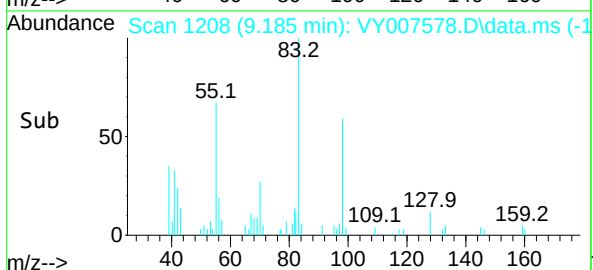
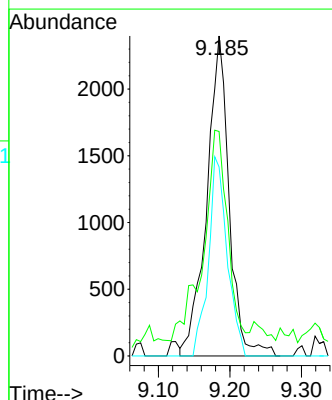
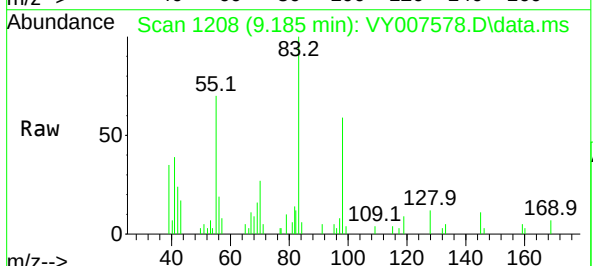
Instrument :
MSVOA_Y
ClientSampleId :
C0AA4

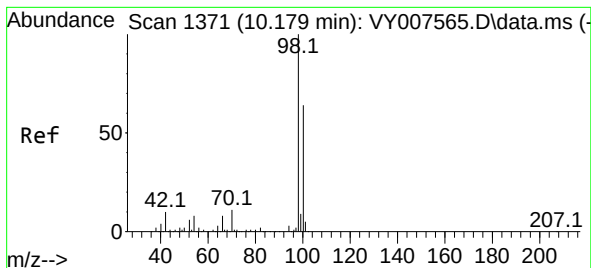
Tgt Ion:117 Resp: 6565
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 4.281 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Tgt Ion: 83 Resp: 5216
Ion Ratio Lower Upper
83 100
55 61.4 66.5 99.7#
98 59.0 37.9 56.9#

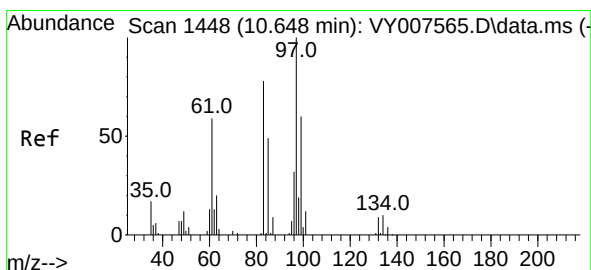
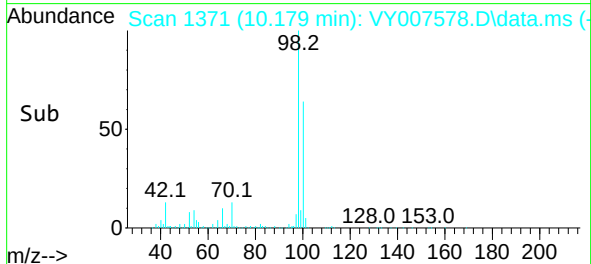
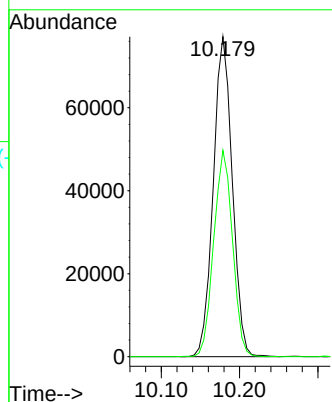
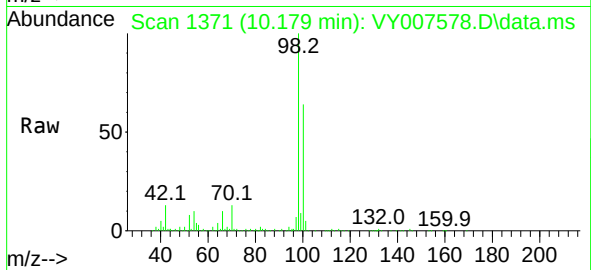




#50
Toluene-d8
Concen: 56.839 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

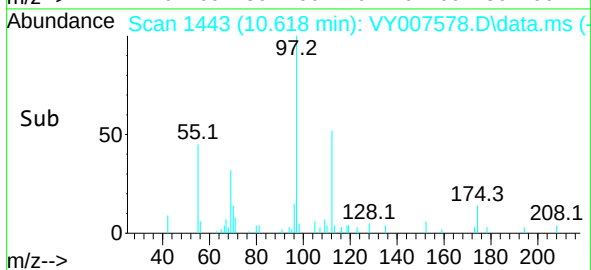
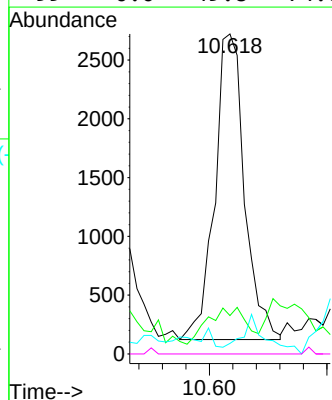
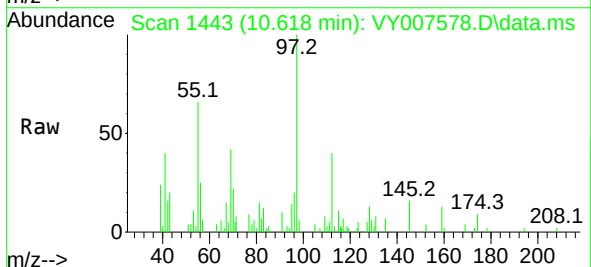
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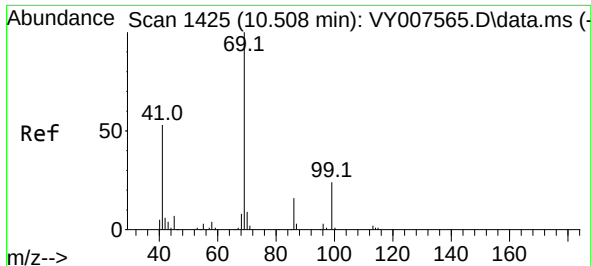
Tgt Ion: 98 Resp: 130121
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2



#55
1,1,2-Trichloroethane
Concen: 7.843 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Tgt Ion: 97 Resp: 4576
Ion Ratio Lower Upper
97 100
83 8.5 69.8 104.8#
85 0.5 44.3 66.5#
99 0.0 49.8 74.6#

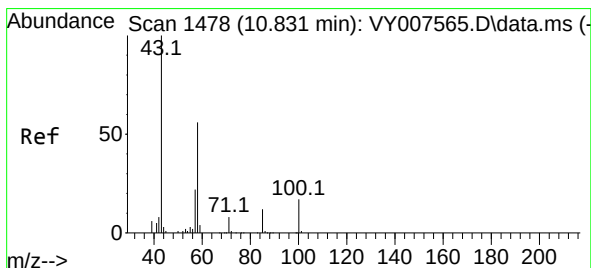
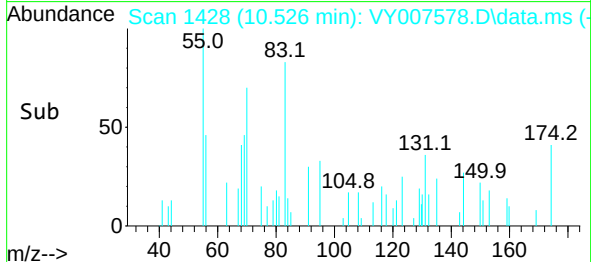
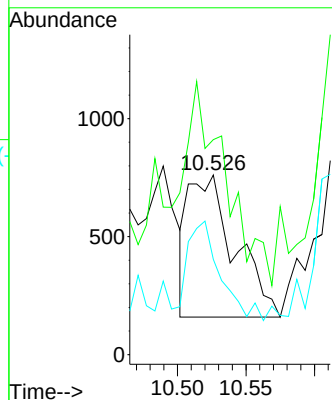
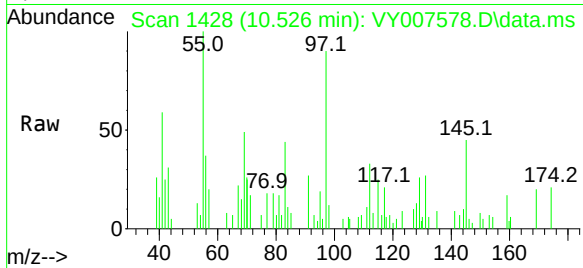




#56
Ethyl methacrylate
Concen: 1.985 ug/l
RT: 10.526 min Scan# 1424
Delta R.T. 0.018 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

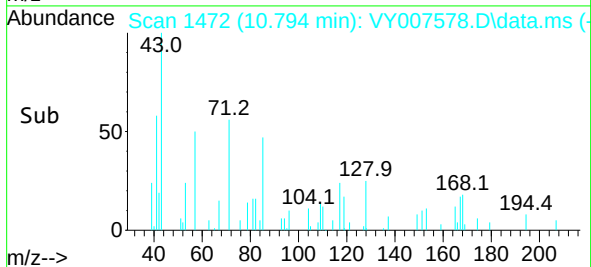
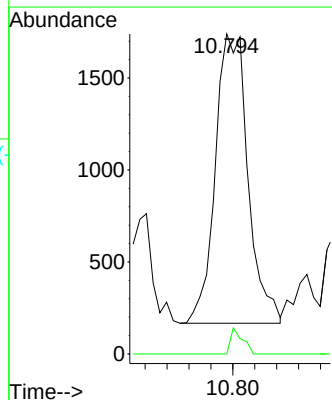
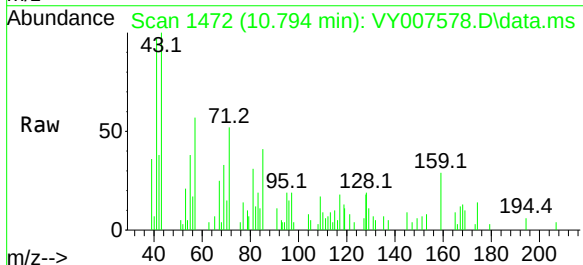
Instrument :
MSVOA_Y
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C0AA4

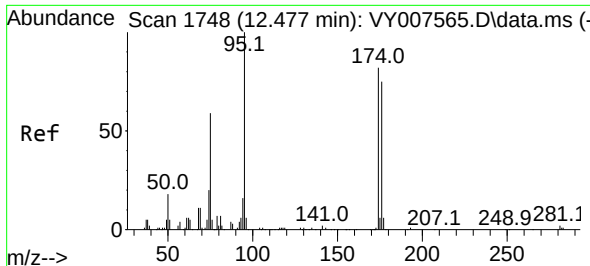
Tgt Ion: 69 Resp: 1424
Ion Ratio Lower Upper
69 100
41 125.0 63.4 95.0#
39 56.8 35.8 53.8#



#59
2-Hexanone
Concen: 11.188 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.037 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Tgt Ion: 43 Resp: 3246
Ion Ratio Lower Upper
43 100
58 3.3 24.4 73.4#

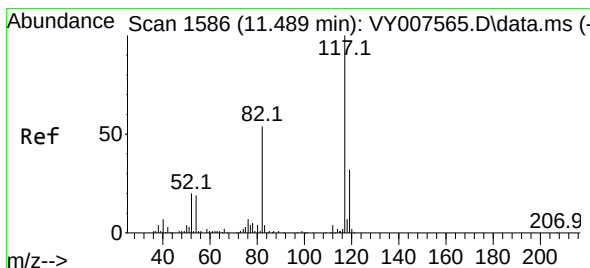
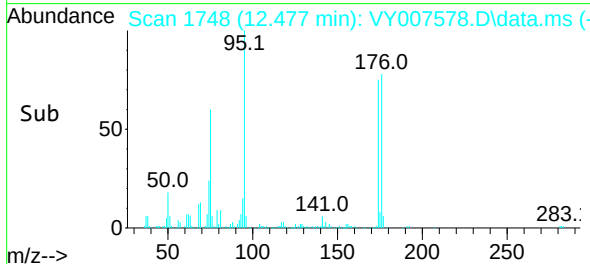
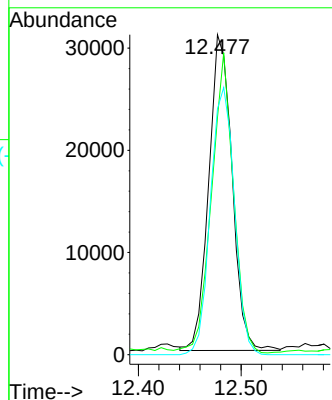
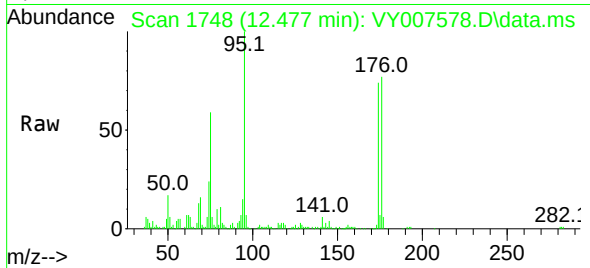




#62
4-Bromofluorobenzene
Concen: 58.757 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

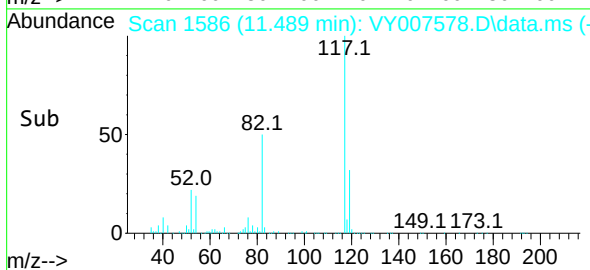
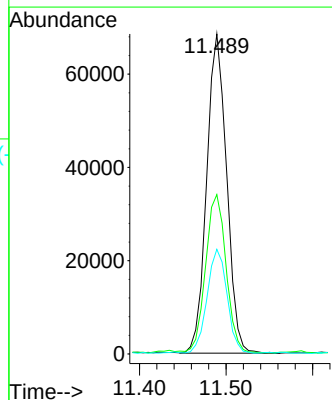
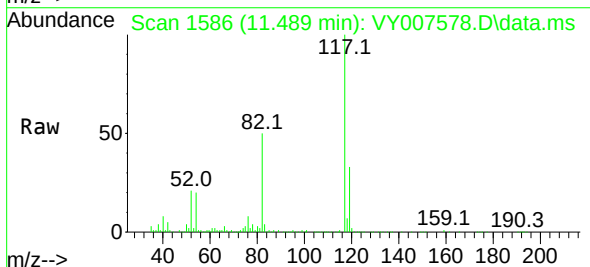
Instrument :
MSVOA_Y
ClientSampleId :
C0AA4

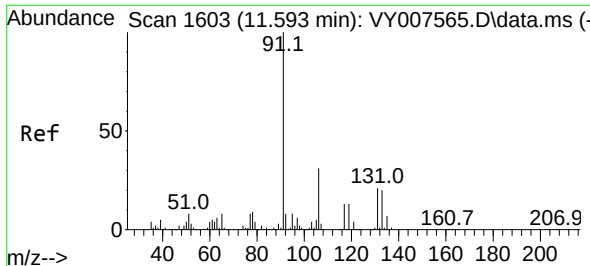
Tgt Ion: 95 Resp: 48705
Ion Ratio Lower Upper
95 100
174 89.6 0.0 177.0
176 86.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Tgt Ion: 117 Resp: 109439
Ion Ratio Lower Upper
117 100
82 49.3 43.0 64.4
119 32.4 25.4 38.0





#67

Ethyl Benzene

Concen: 1.088 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY007578.D

Acq: 22 Feb 2022 13:21

Instrument :

MSVOA_Y

ClientSampleId :

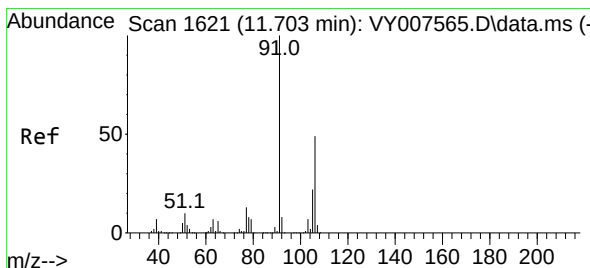
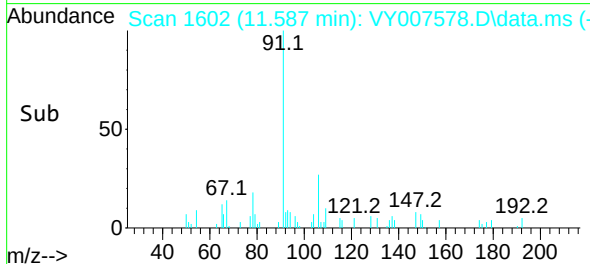
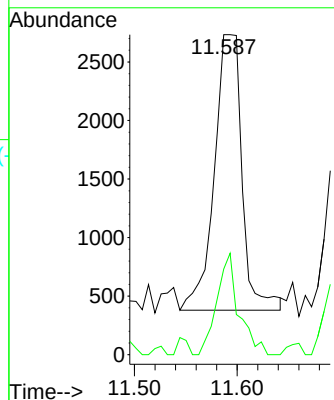
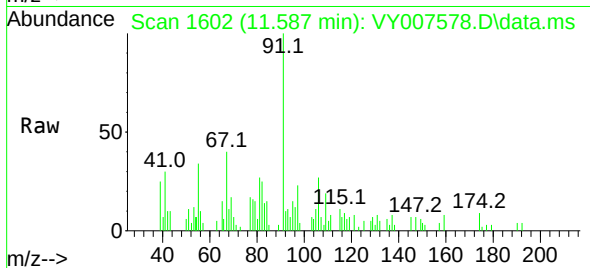
C0AA4

Tgt Ion: 91 Resp: 4424

Ion Ratio Lower Upper

91 100

106 31.1 24.5 36.7



#68

m/p-Xylenes

Concen: 1.284 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY007578.D

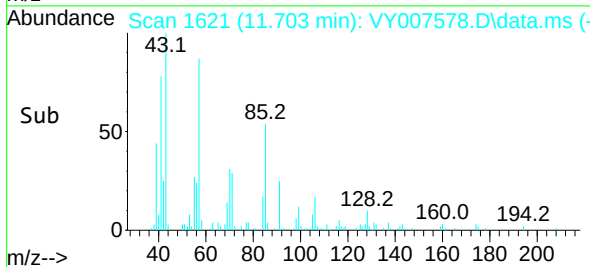
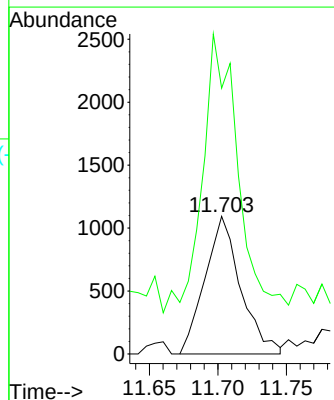
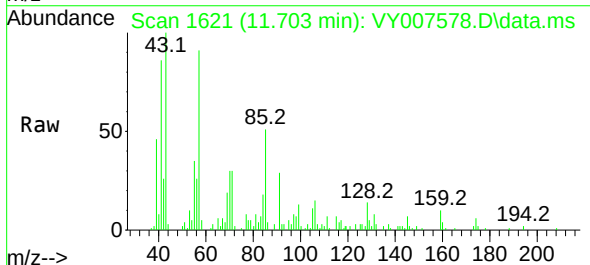
Acq: 22 Feb 2022 13:21

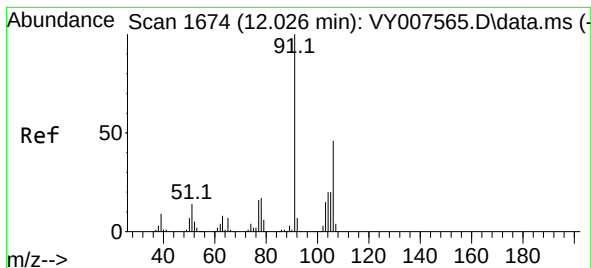
Tgt Ion: 106 Resp: 1988

Ion Ratio Lower Upper

106 100

91 180.1 166.6 249.8





#69

o-Xylene

Concen: 5.318 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY007578.D

Acq: 22 Feb 2022 13:21

Instrument :

MSVOA_Y

ClientSampleId :

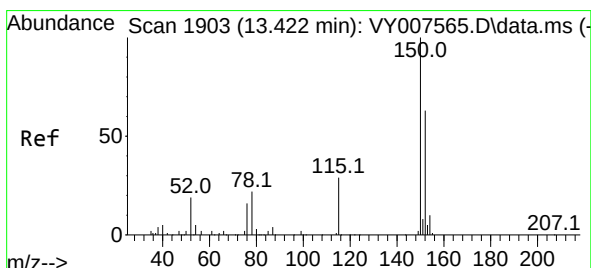
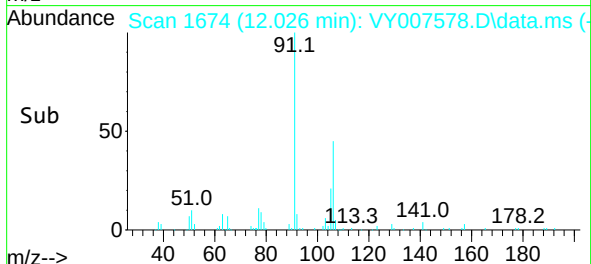
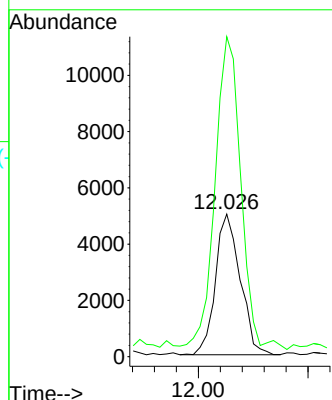
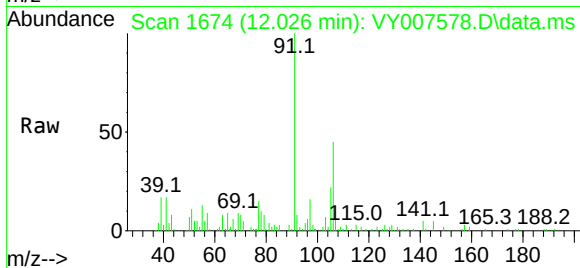
C0AA4

Tgt Ion:106 Resp: 7851

Ion Ratio Lower Upper

106 100

91 231.8 110.3 331.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY007578.D

Acq: 22 Feb 2022 13:21

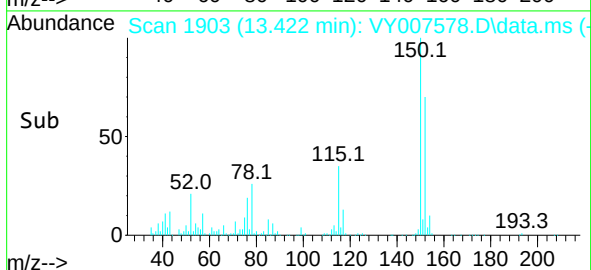
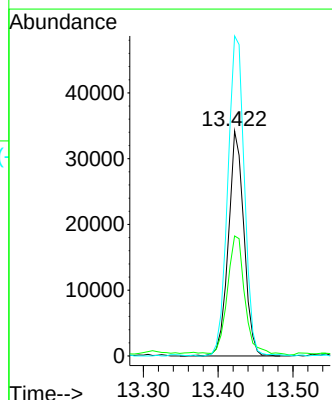
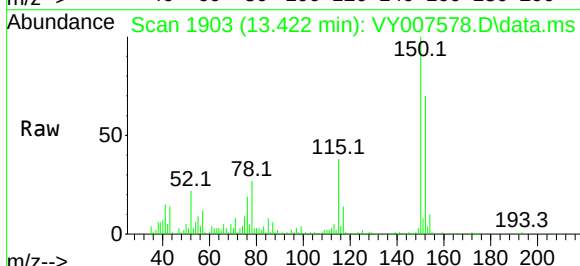
Tgt Ion:152 Resp: 49613

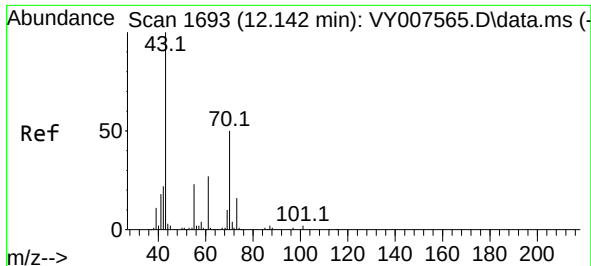
Ion Ratio Lower Upper

152 100

115 59.8 28.2 84.7

150 152.0 0.0 347.6

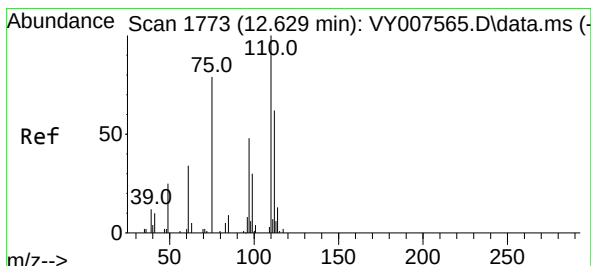
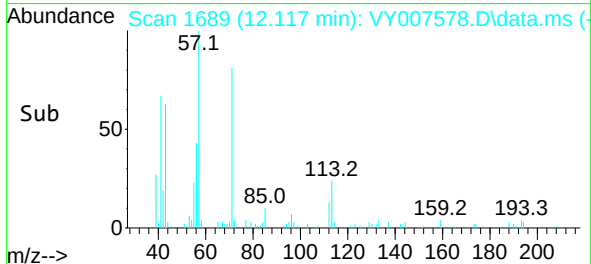
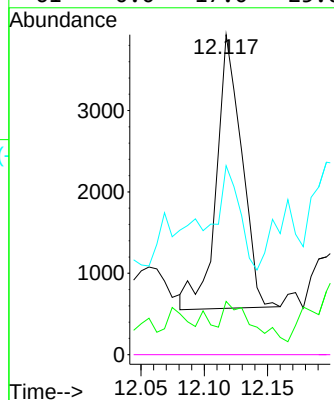
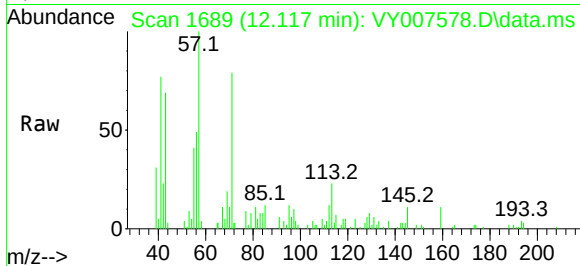




#74
N-amy1 acetate
Concen: 6.163 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

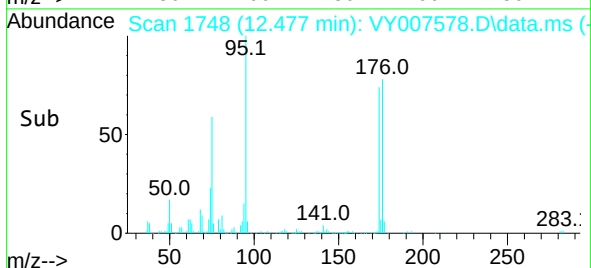
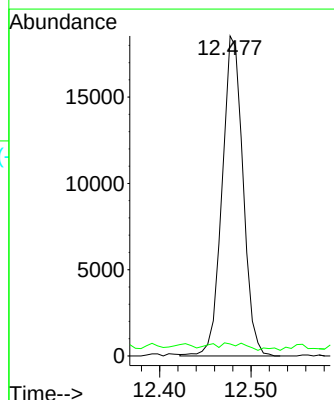
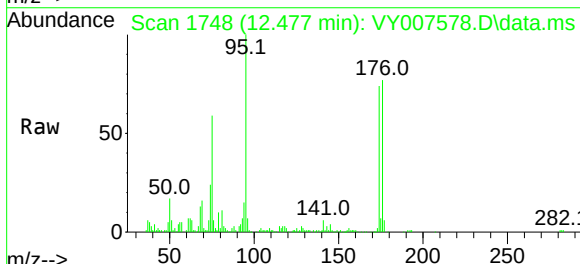
Instrument :
MSVOA_Y
ClientSampleId :
C0AA4

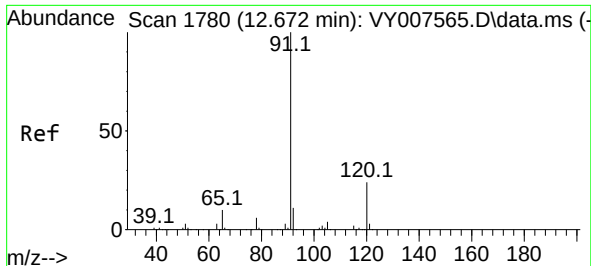
Tgt Ion: 43 Resp: 4694
Ion Ratio Lower Upper
43 100
70 15.8 28.7 43.1#
55 24.3 17.3 25.9
61 0.0 17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 50.673 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Tgt Ion: 75 Resp: 29428
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#

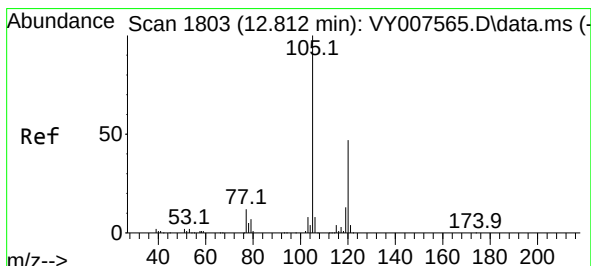
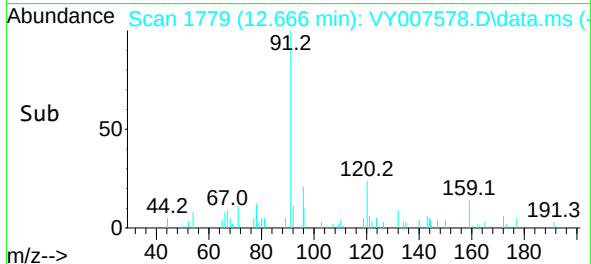
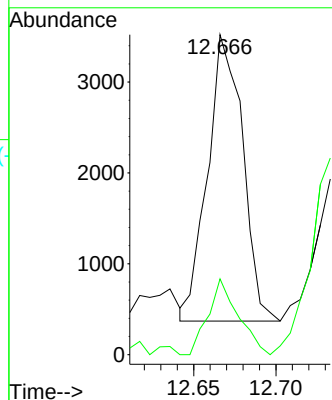
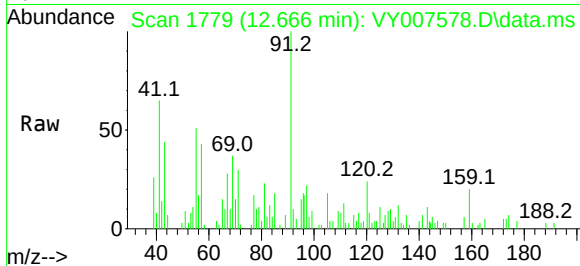




#78
n-propylbenzene
Concen: 1.019 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

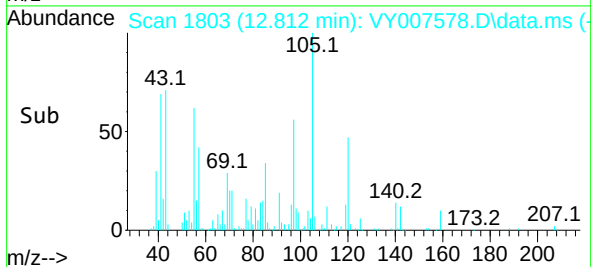
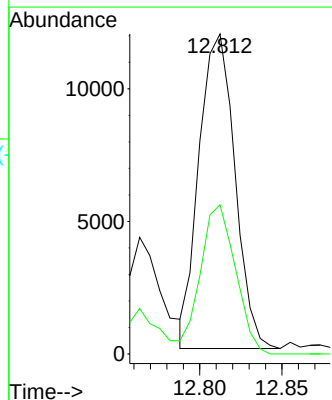
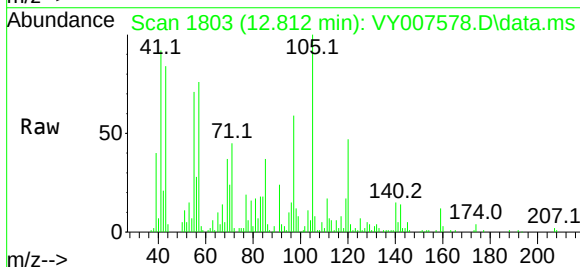
Instrument :
MSVOA_Y
ClientSampleId :
C0AA4

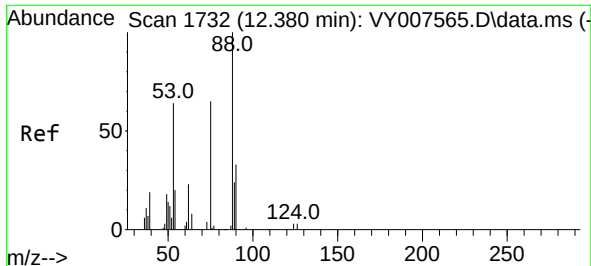
Tgt Ion: 91 Resp: 4663
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 5.457 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Tgt Ion: 105 Resp: 17965
Ion Ratio Lower Upper
105 100
120 46.2 24.4 73.4

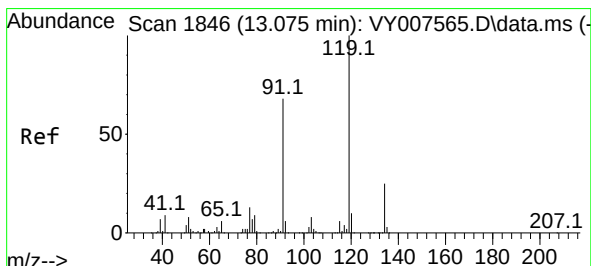
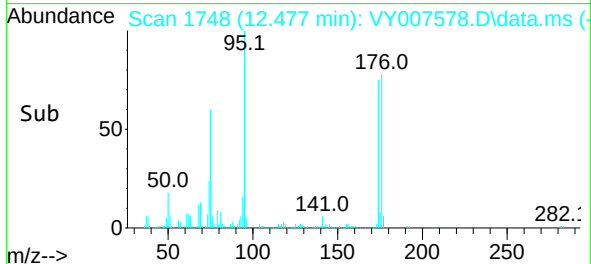
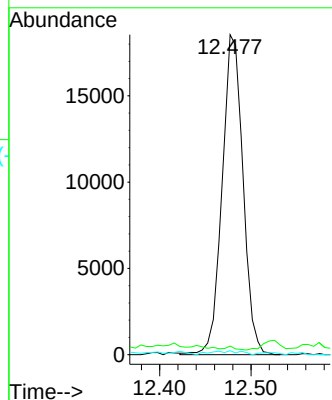
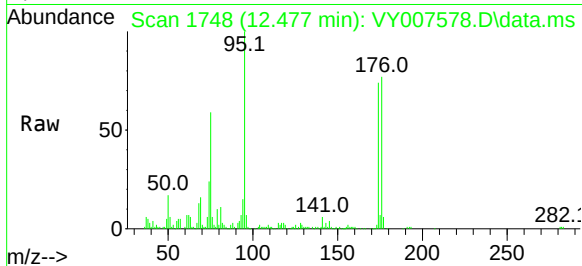




#81
trans-1,4-Dichloro-2-butene
Concen: 124.186 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

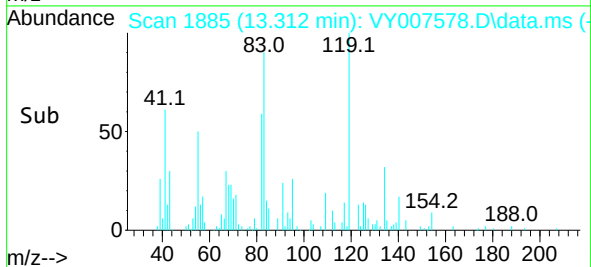
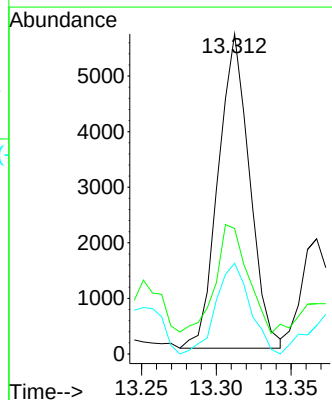
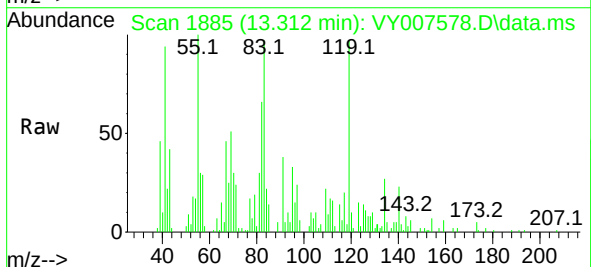
Instrument :
MSVOA_Y
ClientSampleId :
C0AA4

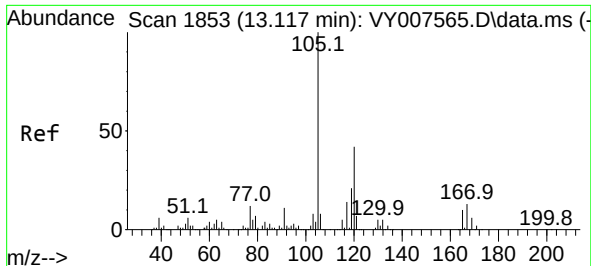
Tgt Ion: 75 Resp: 29428
Ion Ratio Lower Upper
75 100
53 0.5 85.3 127.9#
89 0.9 37.0 55.4#



#83
tert-Butylbenzene
Concen: 2.814 ug/l
RT: 13.312 min Scan# 1885
Delta R.T. 0.237 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Tgt Ion: 119 Resp: 8249
Ion Ratio Lower Upper
119 100
91 35.5 34.8 104.4
134 31.1 13.3 39.9

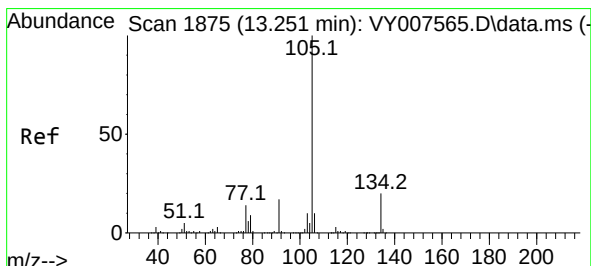
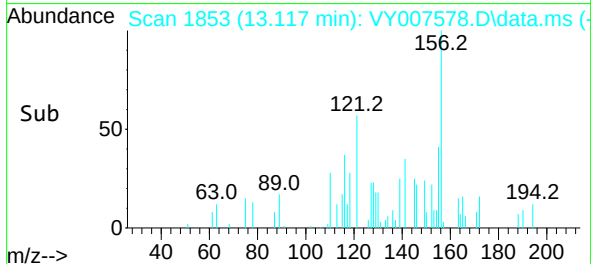
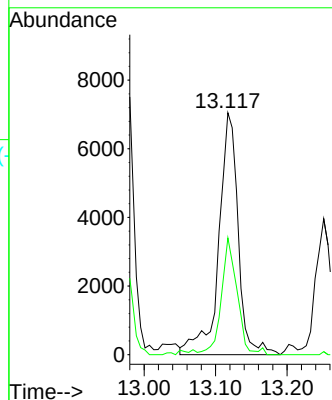
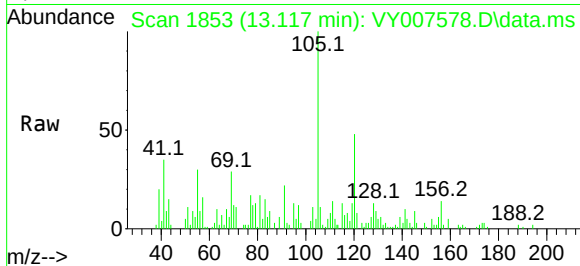




#84
1,2,4-Trimethylbenzene
Concen: 4.119 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

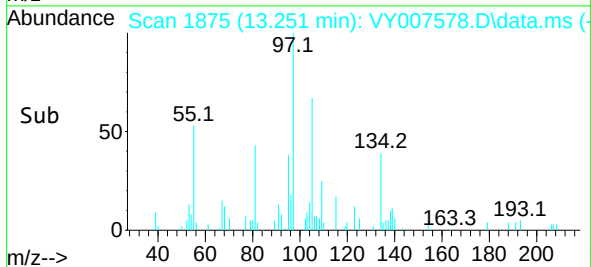
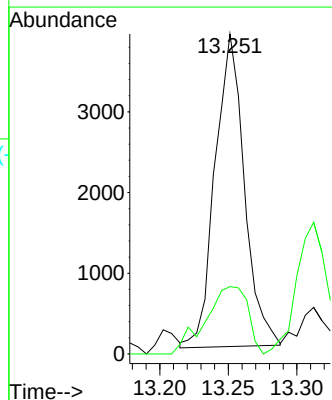
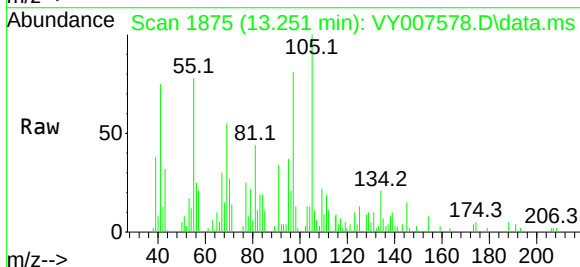
Instrument :
MSVOA_Y
ClientSampleId :
C0AA4

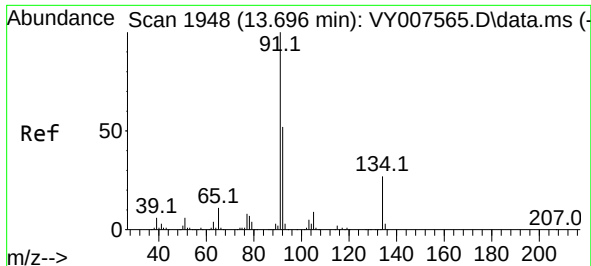
Tgt Ion:105 Resp: 13327
Ion Ratio Lower Upper
105 100
120 36.3 22.3 66.9



#85
sec-Butylbenzene
Concen: 1.358 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Tgt Ion:105 Resp: 5748
Ion Ratio Lower Upper
105 100
134 31.1 10.2 30.4#

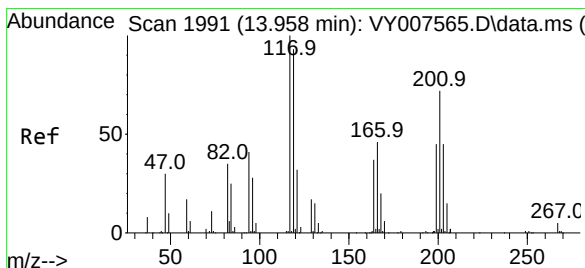
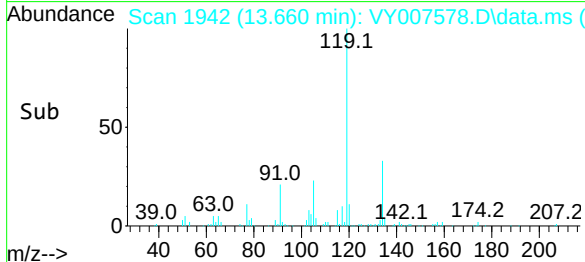
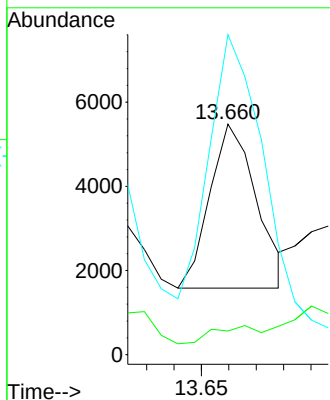
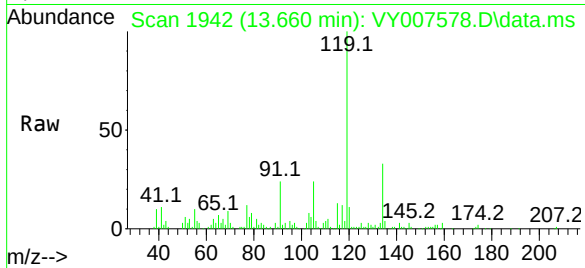




#89
n-Butylbenzene
Concen: 1.422 ug/l
RT: 13.660 min Scan# 1948
Delta R.T. -0.036 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

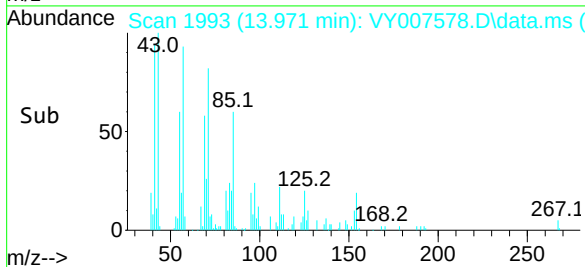
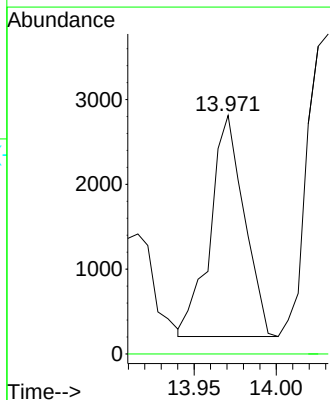
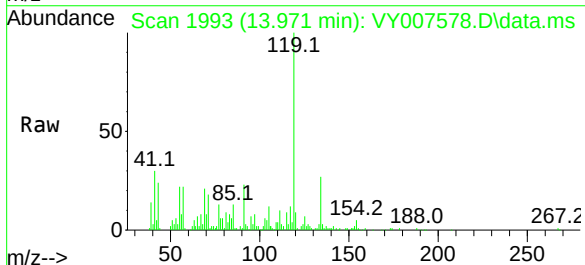
Instrument :
MSVOA_Y
ClientSampleId :
C0AA4

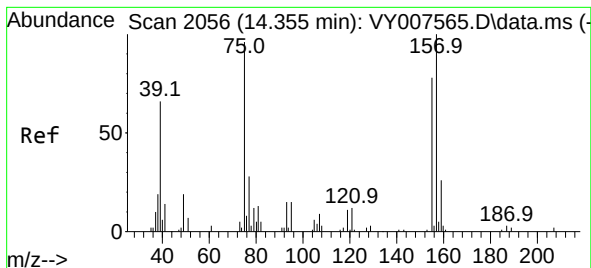
Tgt Ion: 91 Resp: 4629
Ion Ratio Lower Upper
91 100
92 0.0 26.3 78.9#
134 263.8 13.0 38.9#



#90
Hexachloroethane
Concen: 5.315 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.013 min
Lab File: VY007578.D
Acq: 22 Feb 2022 13:21

Tgt Ion: 117 Resp: 3751
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#

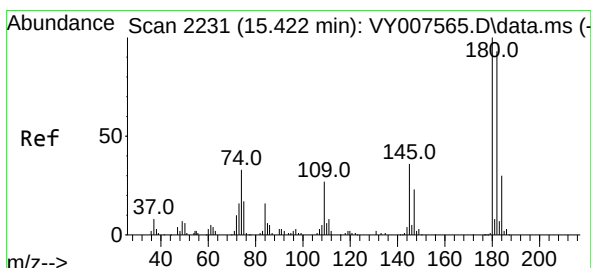
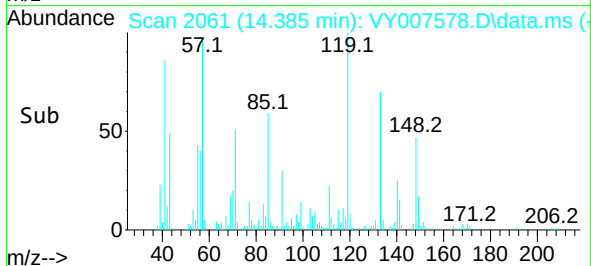
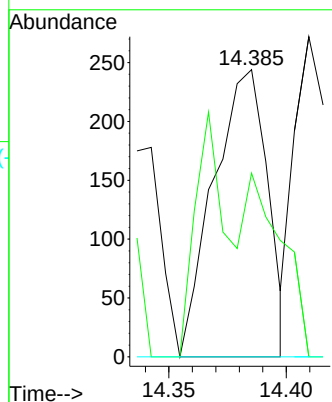
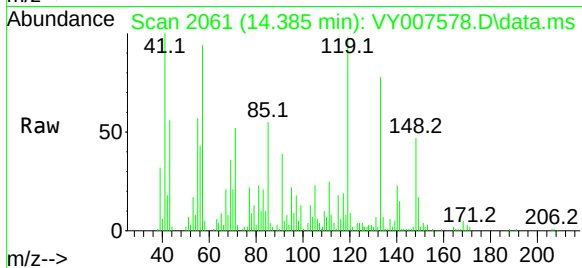




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.087 ug/l
 RT: 14.385 min Scan# 2056
 Delta R.T. 0.030 min
 Lab File: VY007578.D
 Acq: 22 Feb 2022 13:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AA4

Tgt Ion: 75 Resp: 391
 Ion Ratio Lower Upper
 75 100
 155 43.2 38.0 113.9
 157 0.0 47.8 143.3#



#96
 1,2,3-Trichlorobenzene
 Concen: 2.333 ug/l
 RT: 15.440 min Scan# 2234
 Delta R.T. 0.018 min
 Lab File: VY007578.D
 Acq: 22 Feb 2022 13:21

Tgt Ion: 180 Resp: 2127
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 752.4 15.3 45.9#

