

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092921\
 Data File : VY006218.D
 Acq On : 29 Sep 2021 17:15
 Operator : SY/MD
 Sample : M3961-02
 Misc : 5.79G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 30 07:34:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

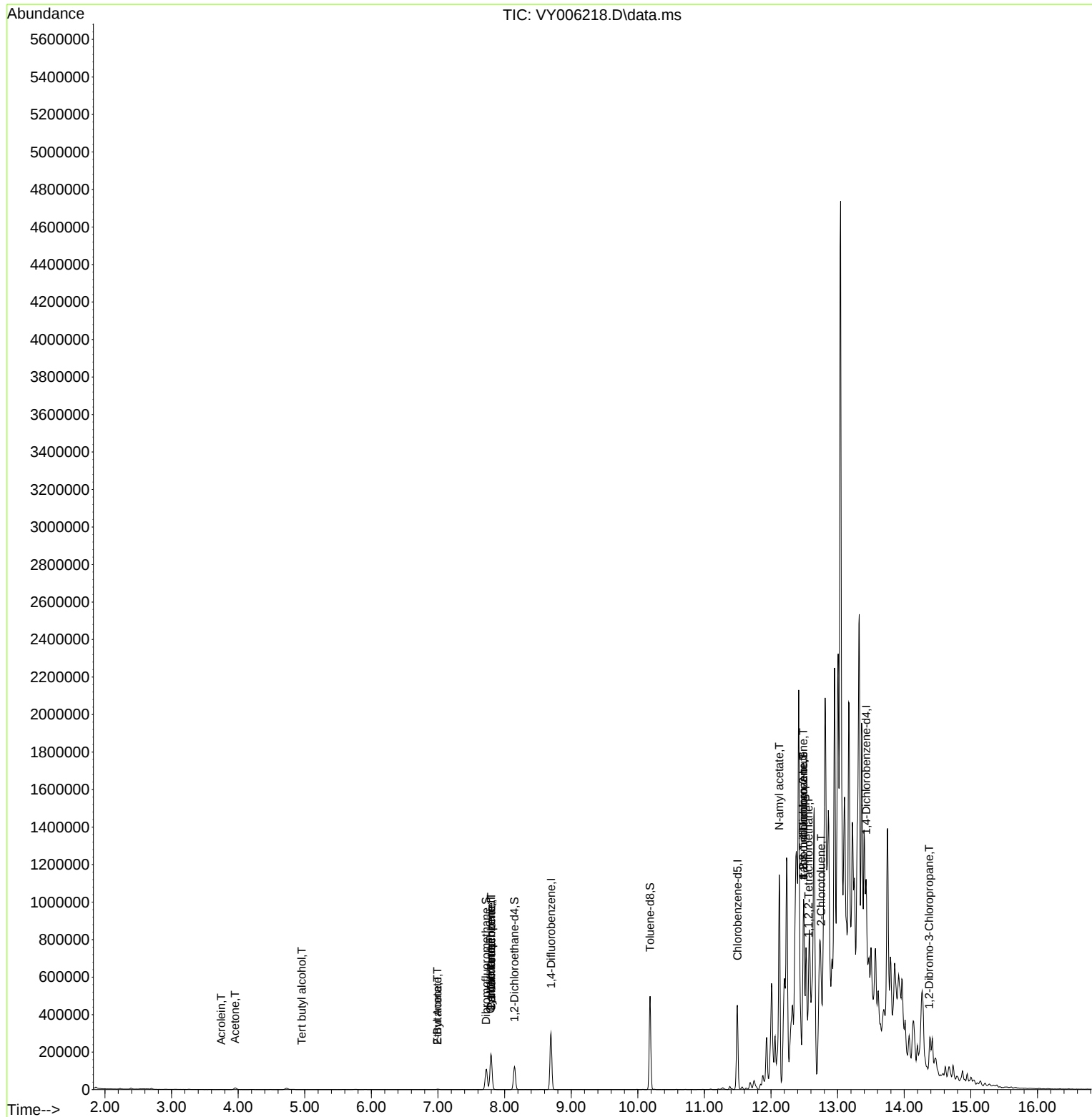
Internal Standards						
1) Pentafluorobenzene	7.795	168	147610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	247371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	230020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	135204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	100301	63.487	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.980%	
35) Dibromofluoromethane	7.722	113	74966	56.724	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.440%	
50) Toluene-d8	10.185	98	308715	55.814	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.620%	
62) 4-Bromofluorobenzene	12.483	95	125987	67.050	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 134.100%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	512	3.705	ug/l #	77
13) Acrolein	3.747	56	218	20.542	ug/l #	43
16) Acetone	3.954	43	17038	38.613	ug/l	93
20) Methylene Chloride	4.722	84	5442	Below Cal		86
25) 2-Butanone	6.990	43	2562	4.168	ug/l	96
31) Cyclohexane	7.789	56	3236	1.081	ug/l #	26
36) 1,1-Dichloropropene	7.795	75	11432	4.645	ug/l #	51
37) Ethyl Acetate	6.990	43	2562	1.787	ug/l #	50
38) Carbon Tetrachloride	7.801	117	14291	5.499	ug/l #	14
74) N-amyl acetate	12.123	43	252873	84.123	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	12.562	83	28734	16.428	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	61594	46.871	ug/l #	100
79) 2-Chlorotoluene	12.751	91	9994	1.515	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.483	75	61594	92.109	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.373	75	411	1.233	ug/l #	32

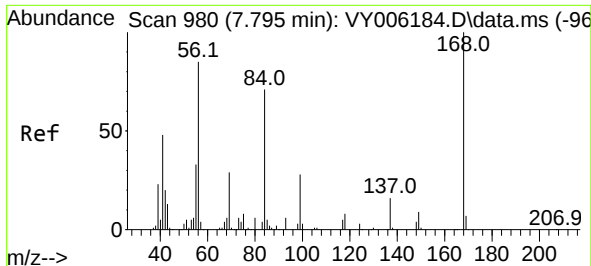
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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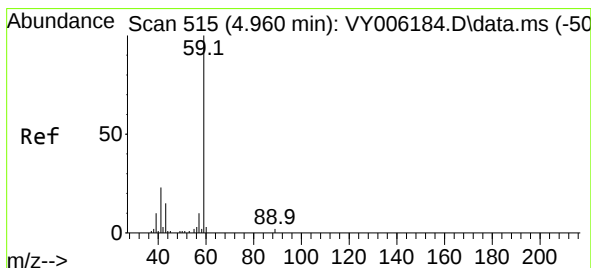
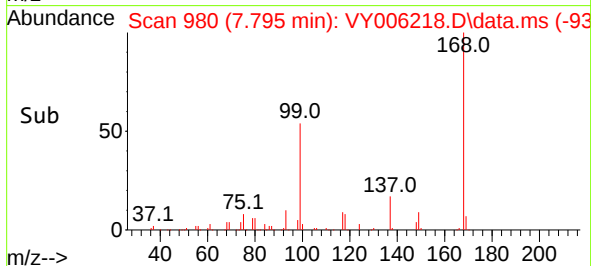
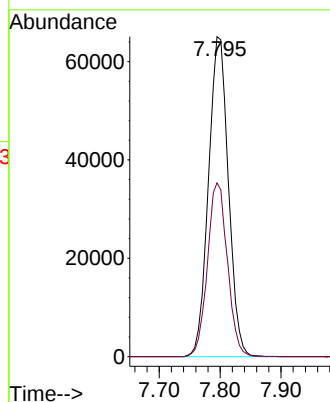
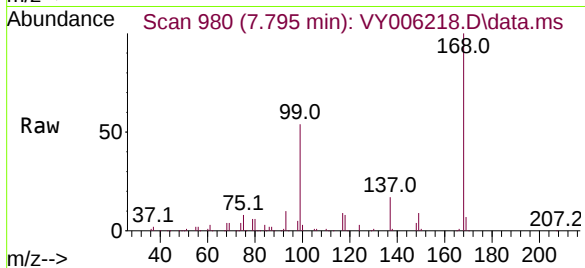




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

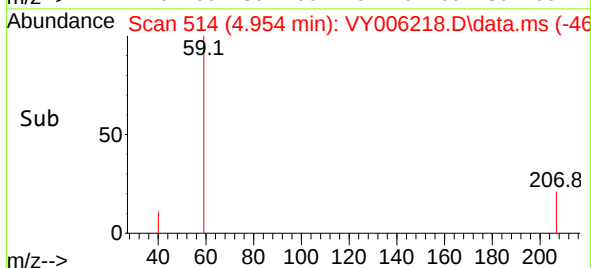
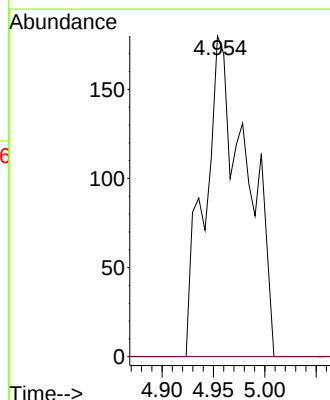
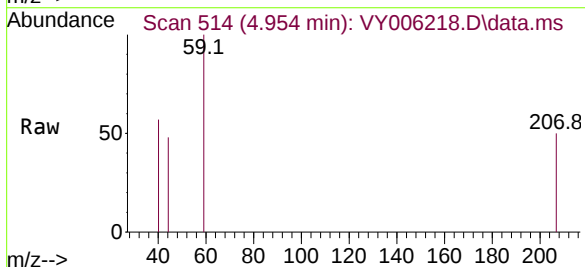
Instrument :
MSVOA_Y
ClientSampleId :

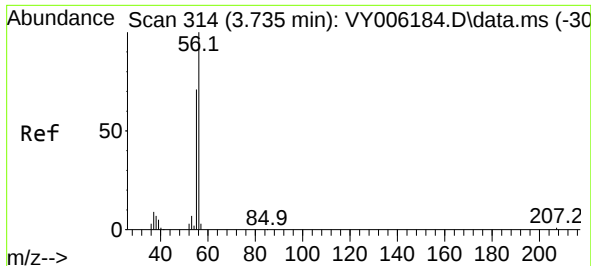
Tgt Ion:168 Resp: 147610
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#11
Tert butyl alcohol
Concen: 3.705 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

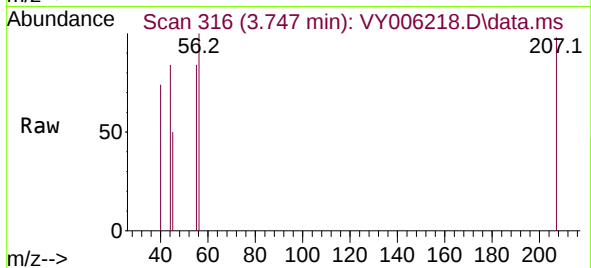
Tgt Ion: 59 Resp: 512
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



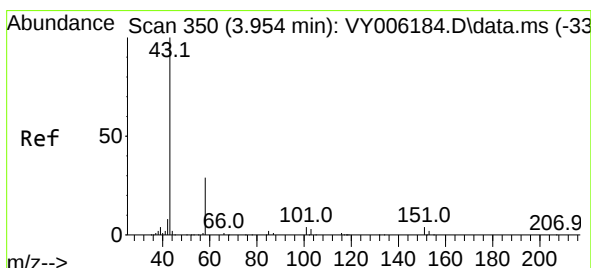
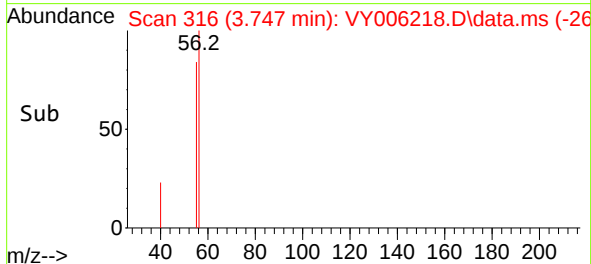
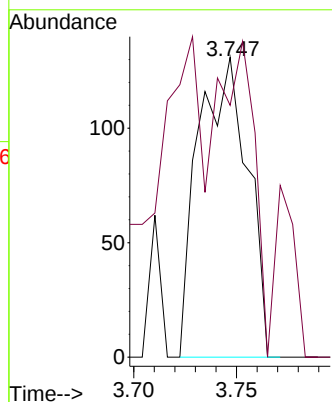


#13
Acrolein
Concen: 20.542 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

Instrument :
MSVOA_Y
ClientSampled :

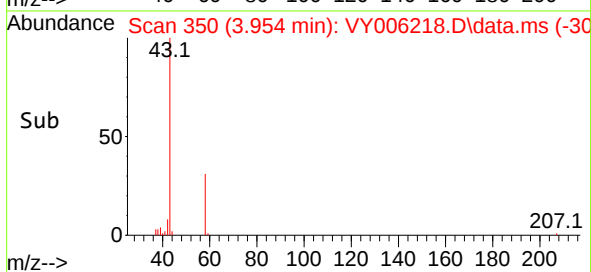
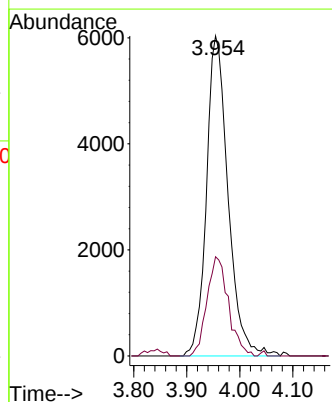
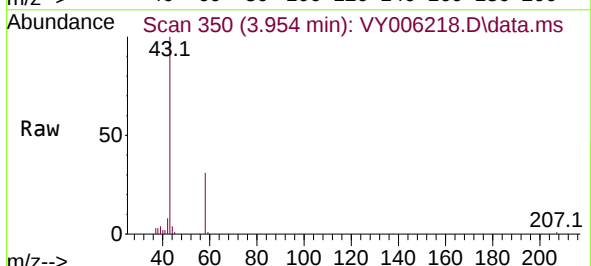


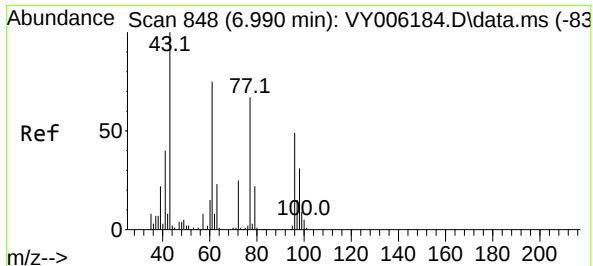
Tgt Ion: 56 Resp: 218
Ion Ratio Lower Upper
56 100
55 119.3 57.6 86.4#



#16
Acetone
Concen: 38.613 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

Tgt Ion: 43 Resp: 17038
Ion Ratio Lower Upper
43 100
58 31.0 22.0 33.0





#25

2-Butanone

Concen: 4.168 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY006218.D

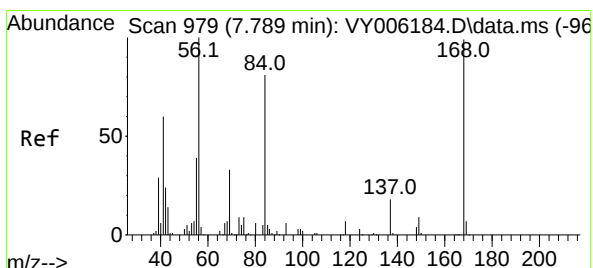
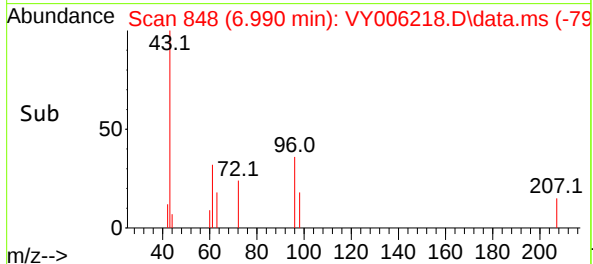
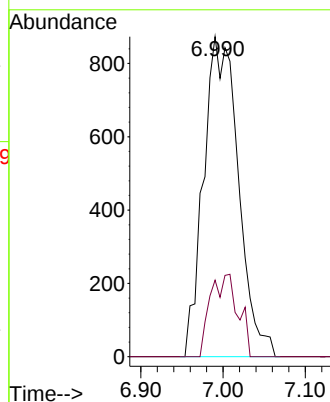
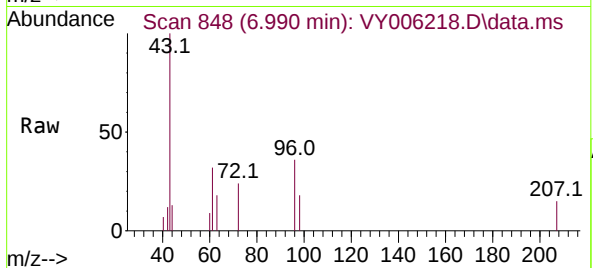
Acq: 29 Sep 2021 17:15

Tgt Ion: 43 Resp: 2562

Ion Ratio Lower Upper

43 100

72 23.9 17.7 26.5



#31

Cyclohexane

Concen: 1.081 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY006218.D

Acq: 29 Sep 2021 17:15

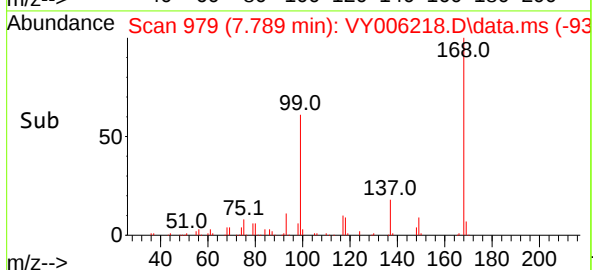
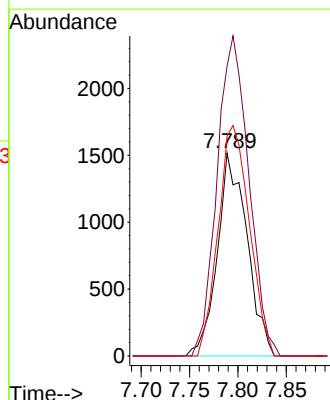
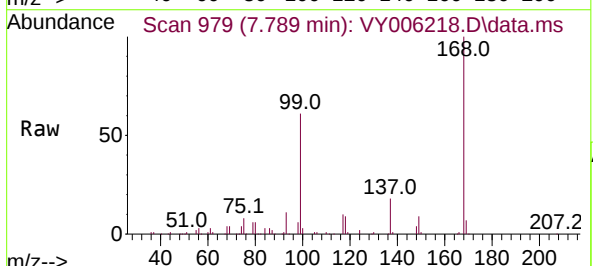
Tgt Ion: 56 Resp: 3236

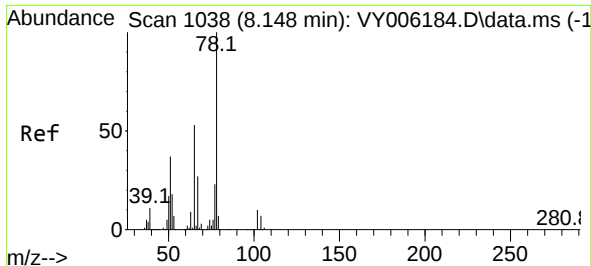
Ion Ratio Lower Upper

56 100

69 142.8 26.7 40.1#

84 108.4 67.2 100.8#

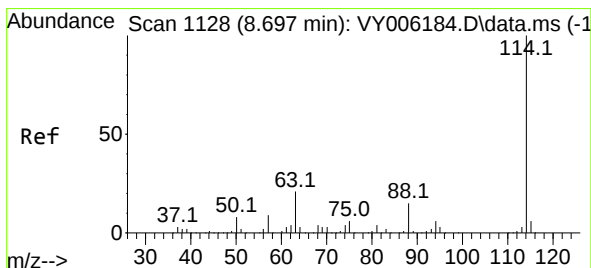
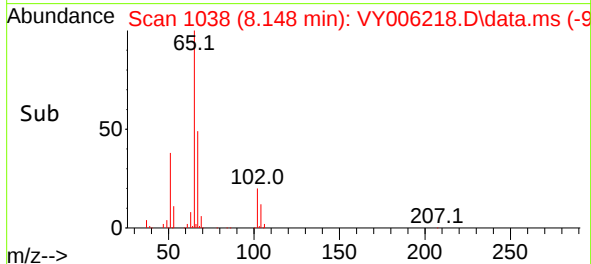
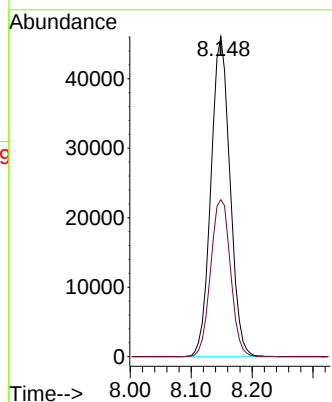
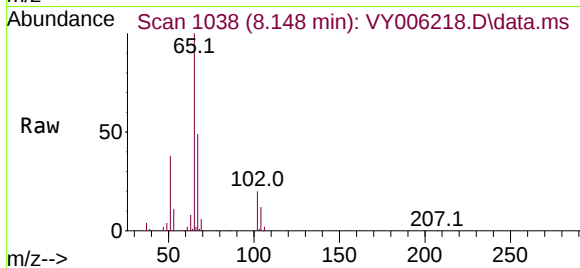




#33
1,2-Dichloroethane-d4
Concen: 63.487 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

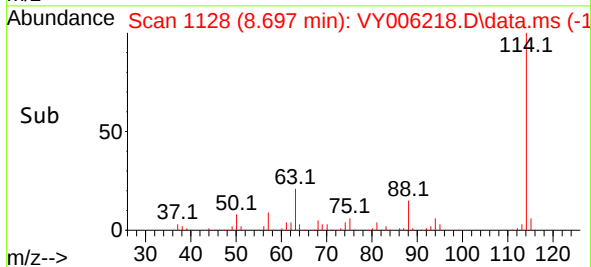
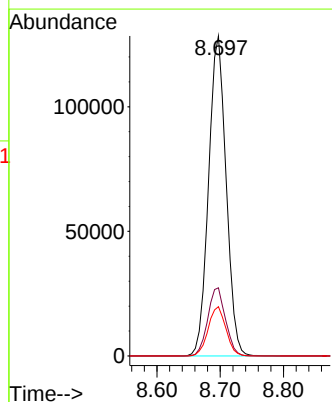
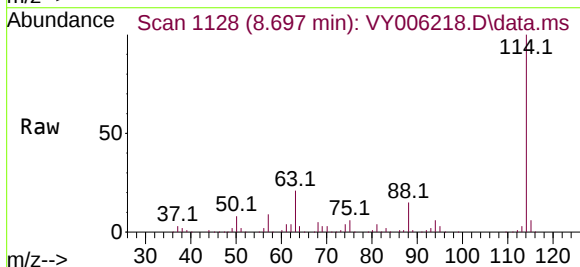
Instrument :
MSVOA_Y
ClientSampled :

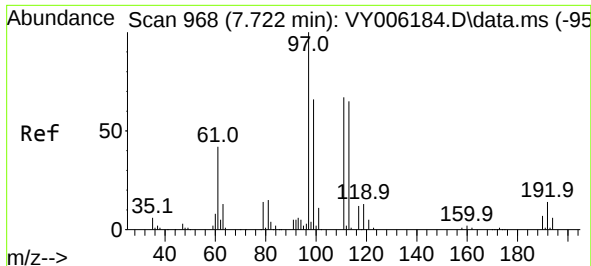
Tgt Ion: 65 Resp: 100301
Ion Ratio Lower Upper
65 100
67 51.1 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

Tgt Ion: 114 Resp: 247371
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.2
88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 56.724 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY006218.D

Acq: 29 Sep 2021 17:15

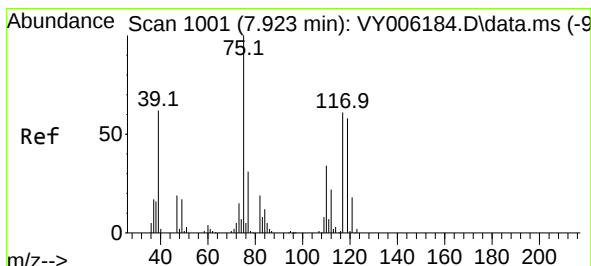
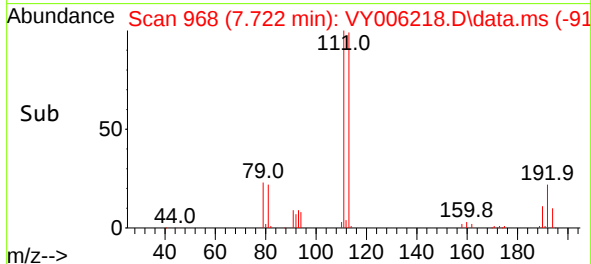
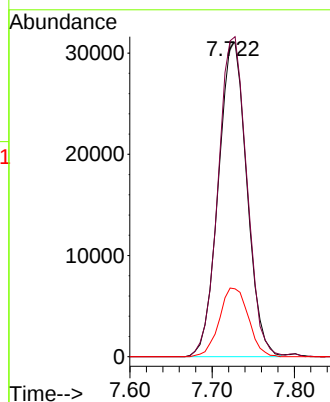
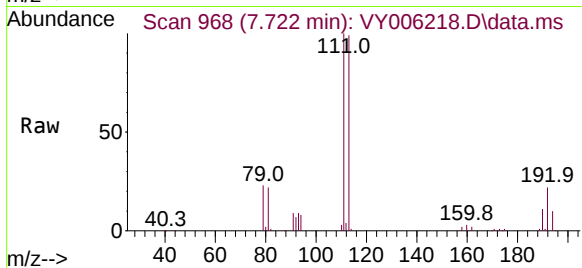
Tgt Ion:113 Resp: 74966

Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 22.2 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.645 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY006218.D

Acq: 29 Sep 2021 17:15

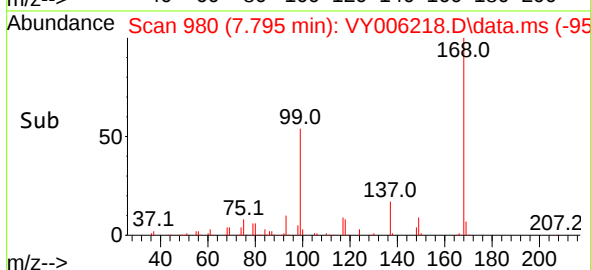
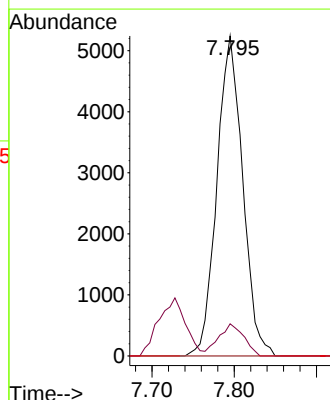
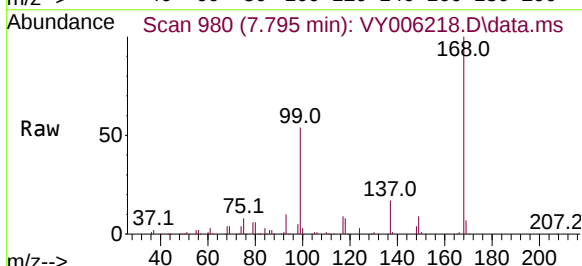
Tgt Ion: 75 Resp: 11432

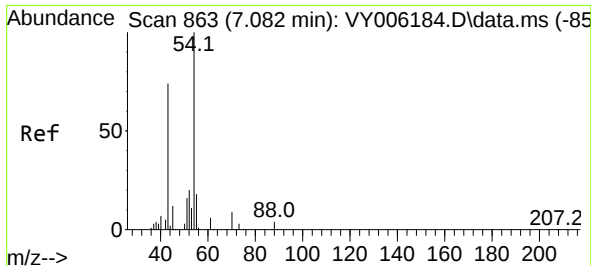
Ion Ratio Lower Upper

75 100

110 9.7 17.1 51.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.787 ug/l

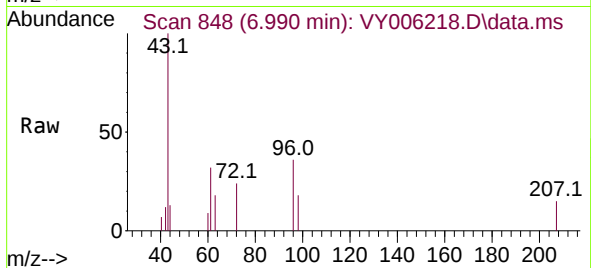
RT: 6.990 min Scan# 848

Delta R.T. -0.091 min

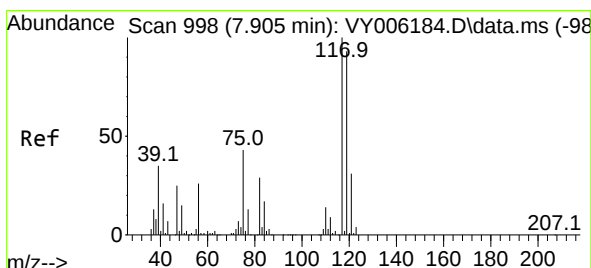
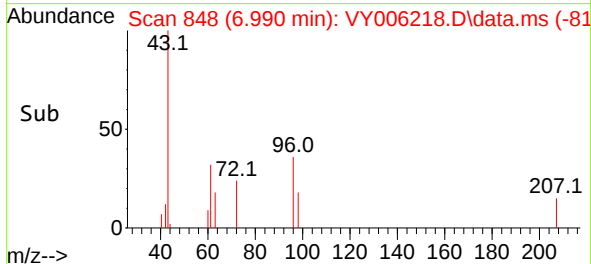
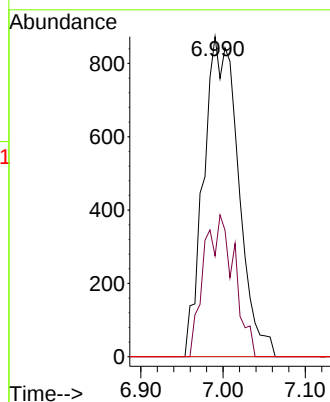
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Acq: 29 Sep 2021 17:15

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	43	Resp:	2562
Ion	Ratio	Lower	Upper
43	100		
61	38.9	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.499 ug/l

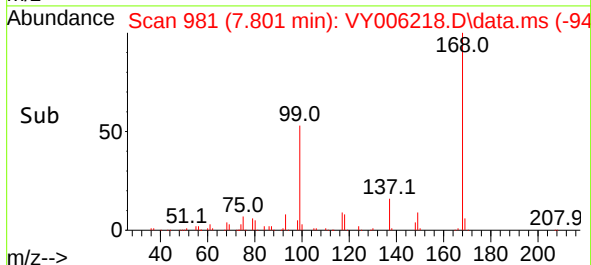
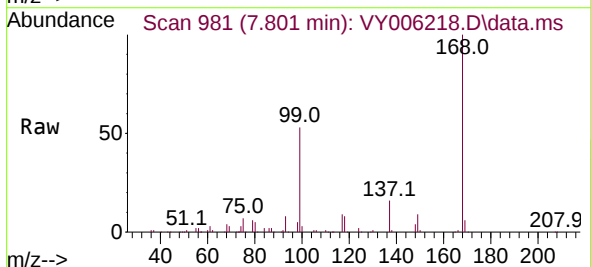
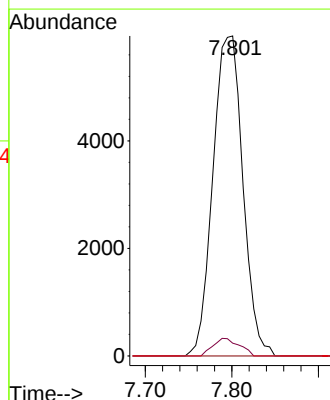
RT: 7.801 min Scan# 981

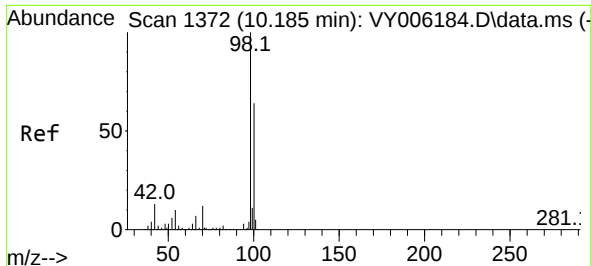
Delta R.T. -0.104 min

Lab File: VY006218.D

Acq: 29 Sep 2021 17:15

Tgt Ion:	117	Resp:	14291
Ion	Ratio	Lower	Upper
117	100		
119	4.0	77.9	116.9#
121	0.0	24.8	37.2#

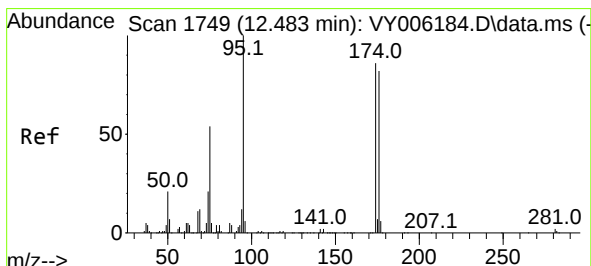
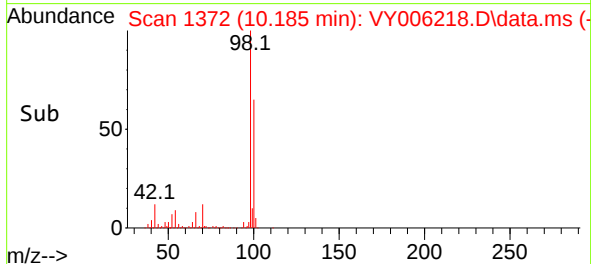
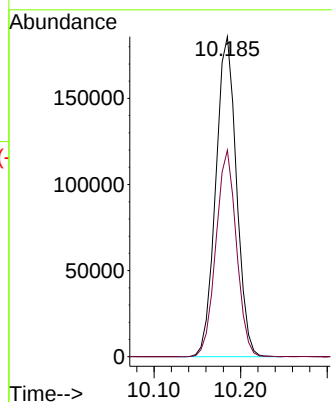
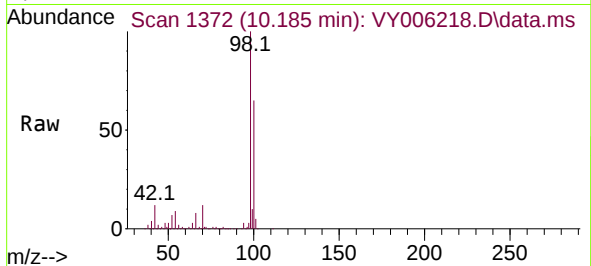




#50
Toluene-d8
Concen: 55.814 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

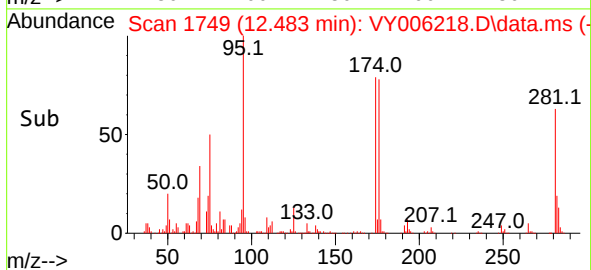
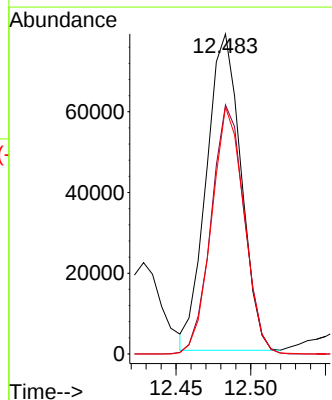
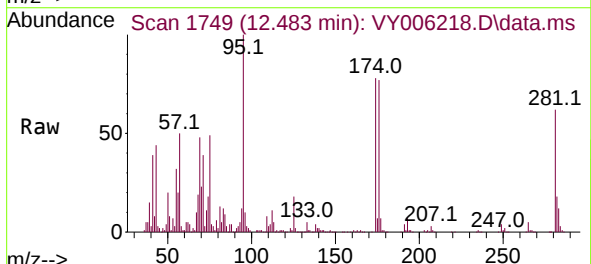
Instrument :
MSVOA_Y
ClientSampled :

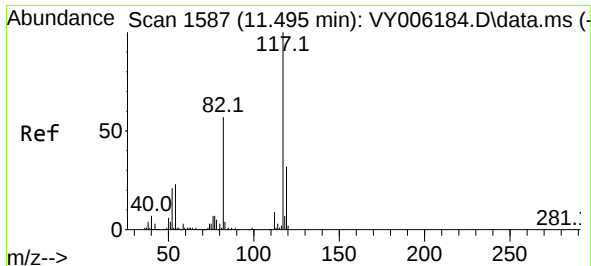
Tgt Ion: 98 Resp: 308715
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 67.050 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

Tgt Ion: 95 Resp: 125987
Ion Ratio Lower Upper
95 100
174 75.2 0.0 177.0
176 73.5 0.0 175.8

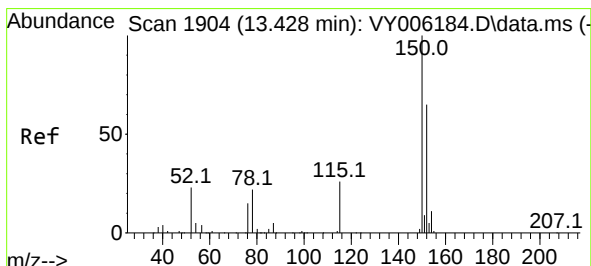
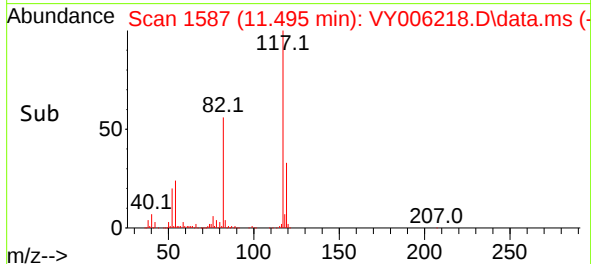
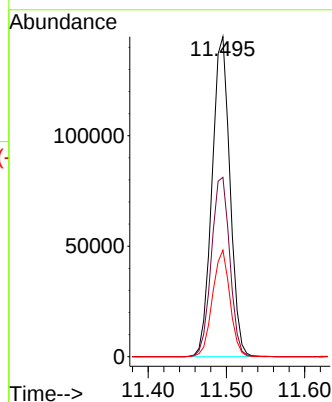
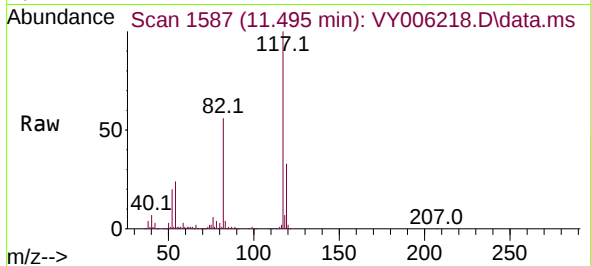




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

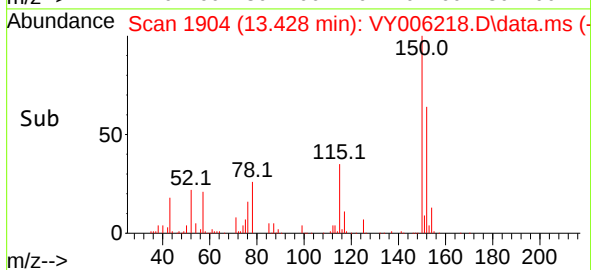
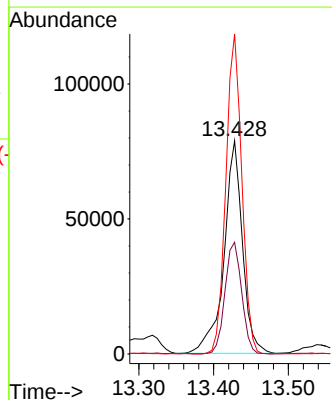
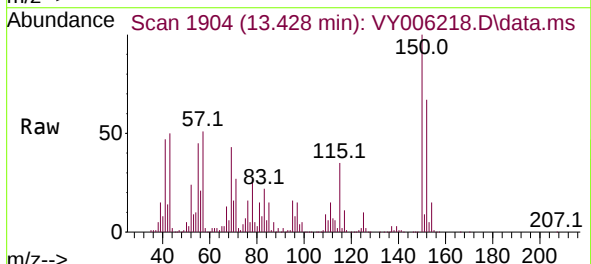
Instrument :
MSVOA_Y
ClientSampleId :

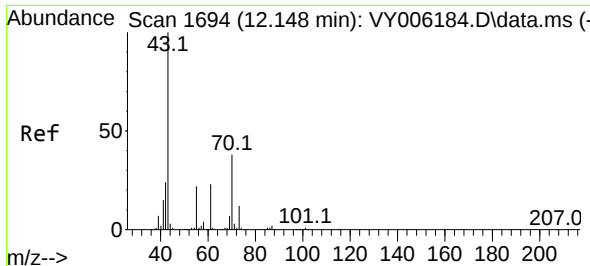
Tgt Ion:	117	Resp:	230020
Ion Ratio	Lower	Upper	
117	100		
82	56.1	43.0	64.4
119	33.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

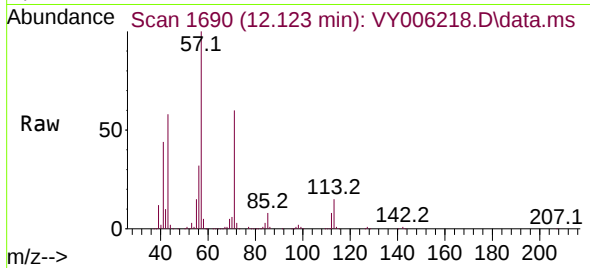
Tgt Ion:	152	Resp:	135204
Ion Ratio	Lower	Upper	
152	100		
115	47.7	28.2	84.7
150	130.2	0.0	347.6



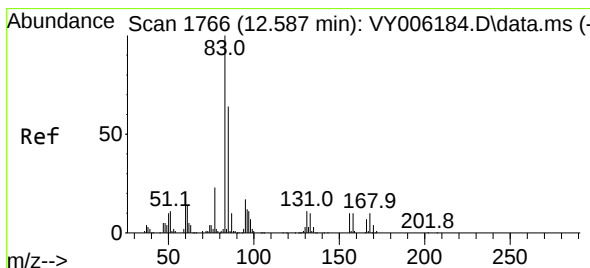
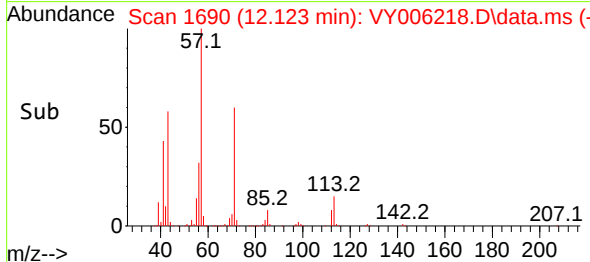
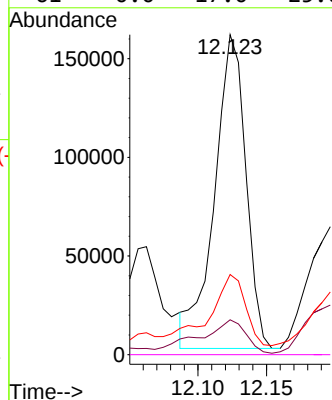


#74
N-amy1 acetate
Concen: 84.123 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

Instrument :
MSVOA_Y
ClientSampleId :

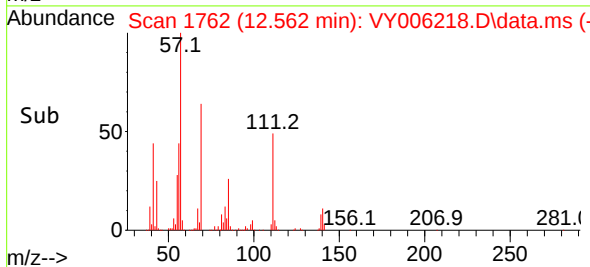
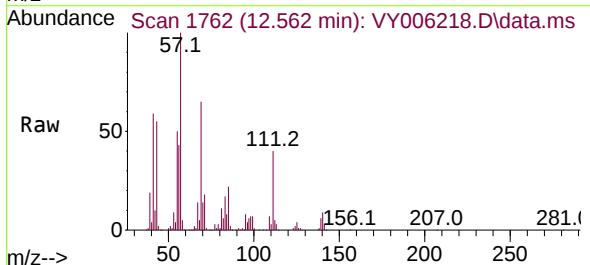
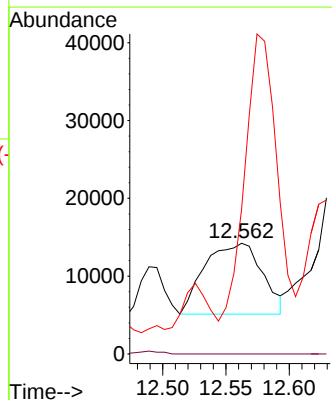


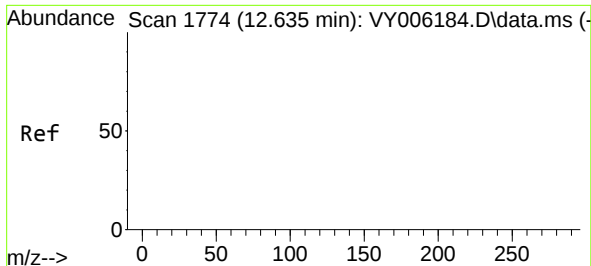
Tgt Ion: 43 Resp: 252873
Ion Ratio Lower Upper
43 100
70 15.6 28.7 43.1#
55 26.3 17.3 25.9#
61 0.0 17.0 25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 16.428 ug/l
RT: 12.562 min Scan# 1762
Delta R.T. -0.024 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

Tgt Ion: 83 Resp: 28734
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 248.2 32.3 96.8#

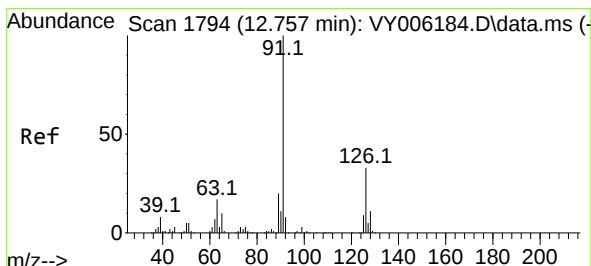
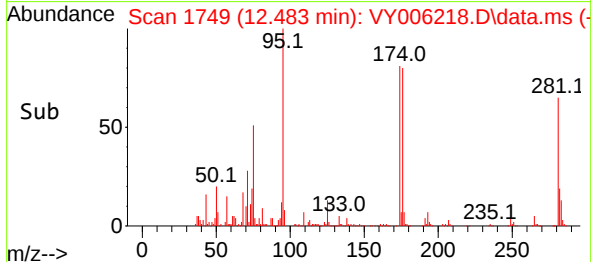
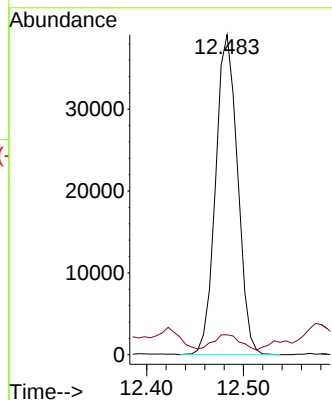
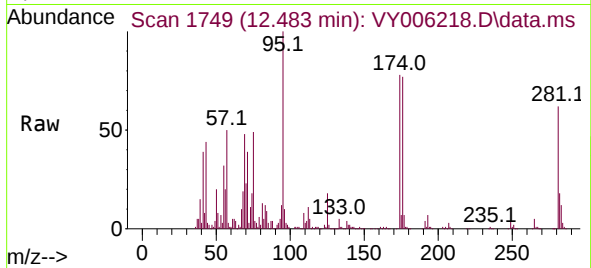




#76
1,2,3-Trichloropropane
Concen: 46.871 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

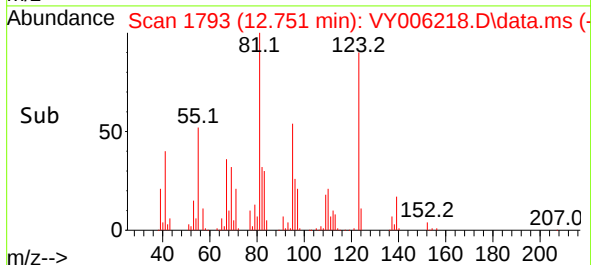
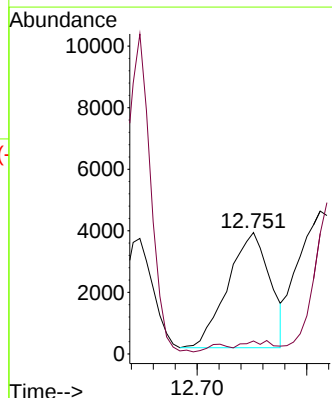
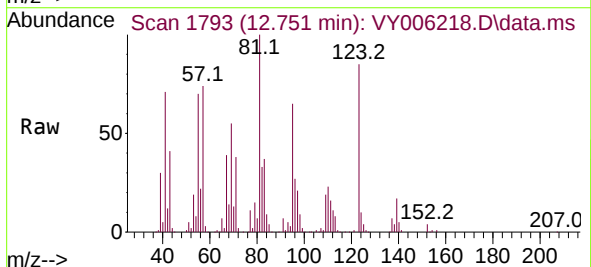
Instrument :
MSVOA_Y
ClientSampleId :

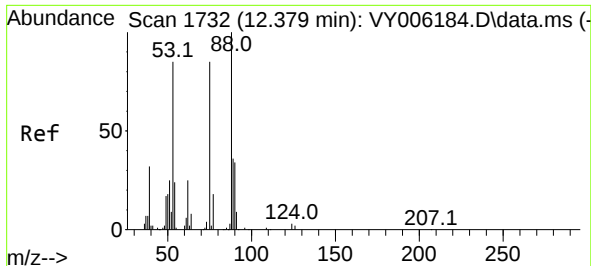
Tgt Ion: 75 Resp: 61594
Ion Ratio Lower Upper
75 100
77 5.8 0.0 0.0#



#79
2-Chlorotoluene
Concen: 1.515 ug/l
RT: 12.751 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VY006218.D
Acq: 29 Sep 2021 17:15

Tgt Ion: 91 Resp: 9994
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#

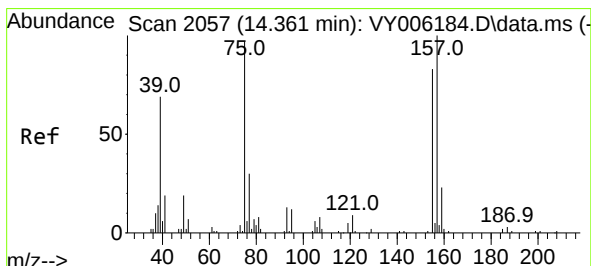
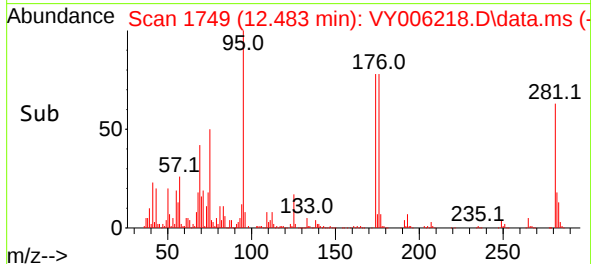
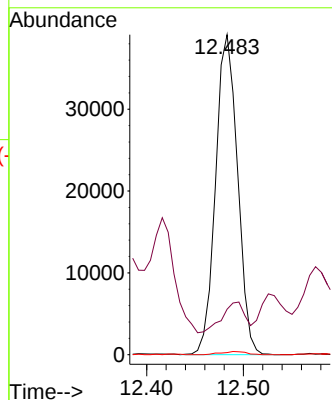
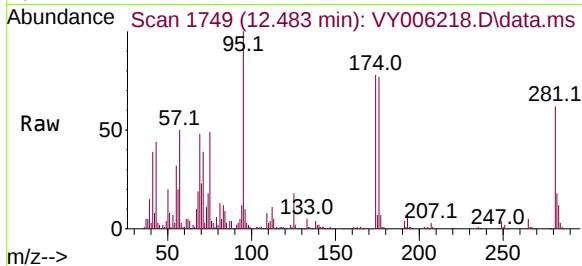




#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.109 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY006218.D
 Acq: 29 Sep 2021 17:15

Instrument :
 MSVOA_Y
 ClientSampled :

Tgt Ion: 75 Resp: 61594
 Ion Ratio Lower Upper
 75 100
 53 9.3 85.3 127.9#
 89 1.1 37.0 55.4#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.233 ug/l
 RT: 14.373 min Scan# 2059
 Delta R.T. 0.012 min
 Lab File: VY006218.D
 Acq: 29 Sep 2021 17:15

Tgt Ion: 75 Resp: 411
 Ion Ratio Lower Upper
 75 100
 155 50.1 38.0 113.9
 157 0.0 47.8 143.3#

