

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091721\
 Data File : VY006069.D
 Acq On : 17 Sep 2021 14:28
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 20 01:41:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

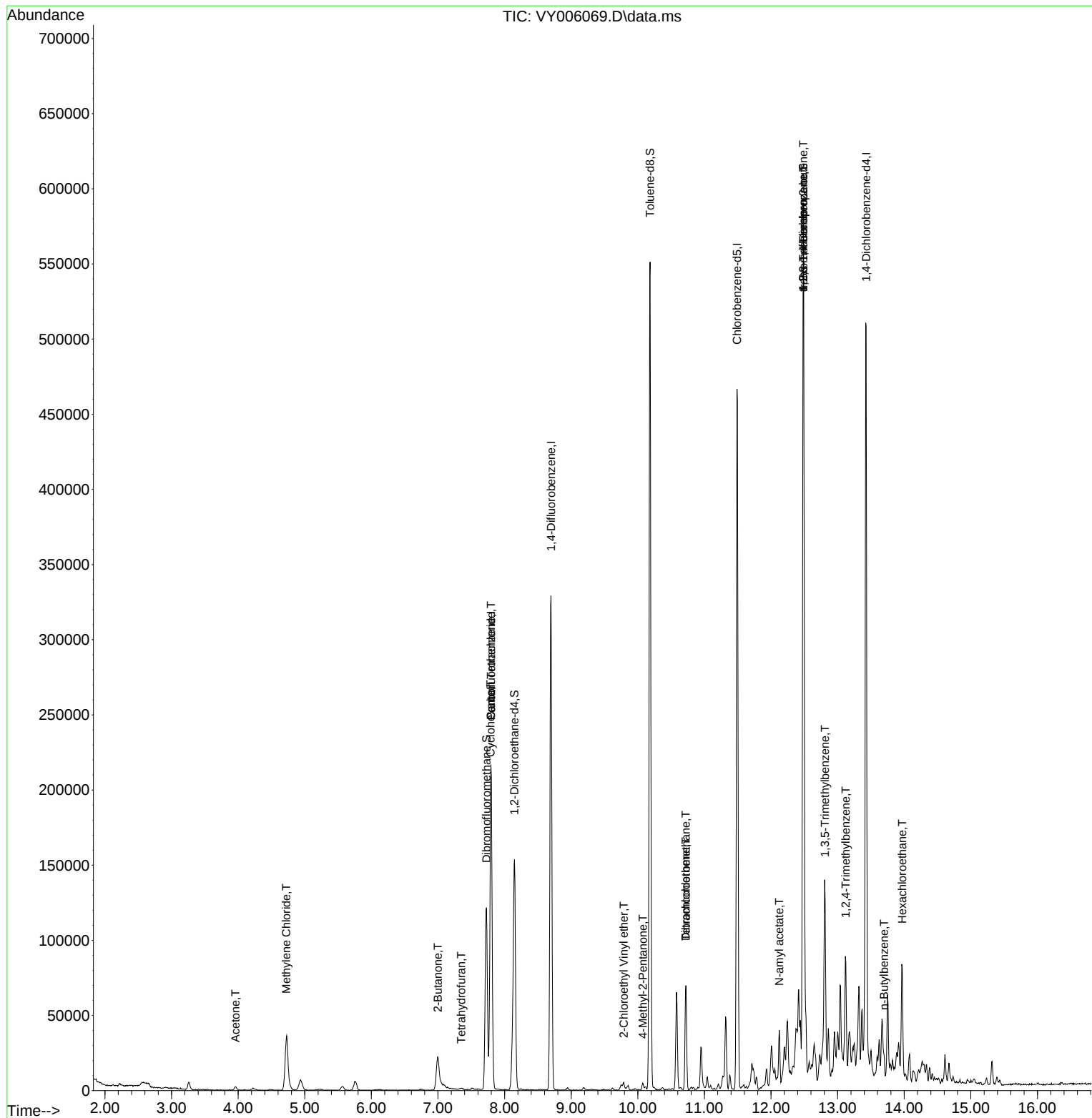
Internal Standards						
1) Pentafluorobenzene	7.795	168	164187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	262592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	241453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	115960	50.845	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.700%	
35) Dibromofluoromethane	7.728	113	84291	51.680	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.360%	
50) Toluene-d8	10.184	98	346674	49.871	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.740%	
62) 4-Bromofluorobenzene	12.483	95	121394	51.435	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.935	59	7170	Below Cal	#	78
16) Acetone	3.960	43	3805	6.083	ug/l	98
20) Methylene Chloride	4.722	84	24379	8.647	ug/l	87
25) 2-Butanone	6.996	43	2134	2.475	ug/l	95
29) Tetrahydrofuran	7.350	42	737	1.360	ug/l #	67
31) Cyclohexane	7.789	56	3766	1.031	ug/l #	10
38) Carbon Tetrachloride	7.795	117	16837	5.457	ug/l #	15
51) 4-Methyl-2-Pentanone	10.075	43	3579	1.841	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	1925	1.538	ug/l	96
60) Dibromochloromethane	10.721	129	12637	6.854	ug/l #	11
64) Tetrachloroethene	10.721	164	14503	7.344	ug/l	98
74) N-amyl acetate	12.123	43	7848	2.461	ug/l #	69
76) 1,2,3-Trichloropropane	12.483	75	70454	56.033	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	14653	1.913	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	70454	103.018	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.123	105	37974	4.998	ug/l	98
89) n-Butylbenzene	13.696	91	11578	1.479	ug/l #	71
90) Hexachloroethane	13.970	117	1592	1.057	ug/l #	23

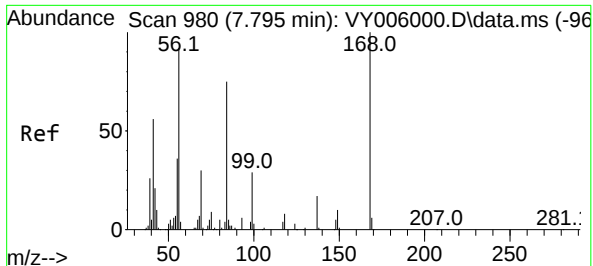
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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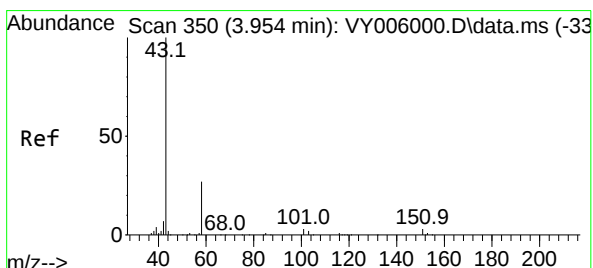
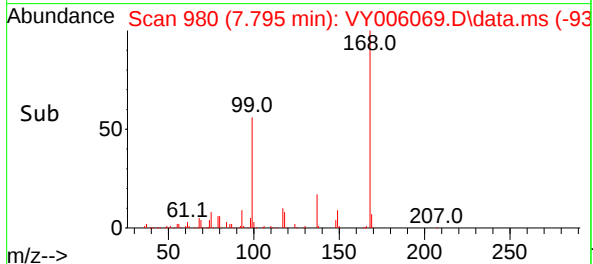
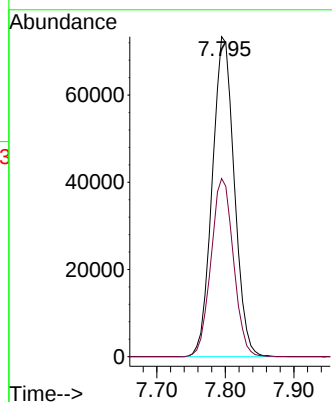
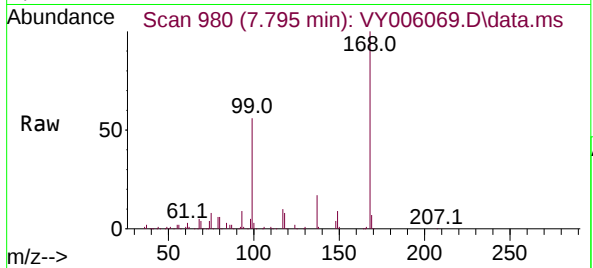




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

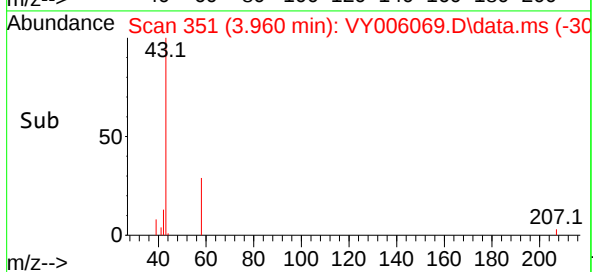
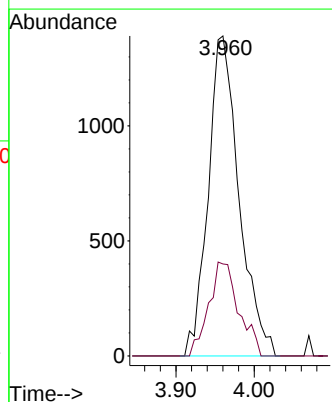
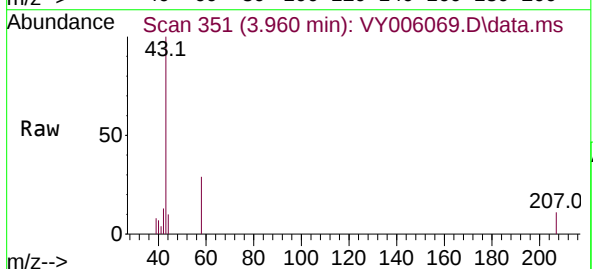
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

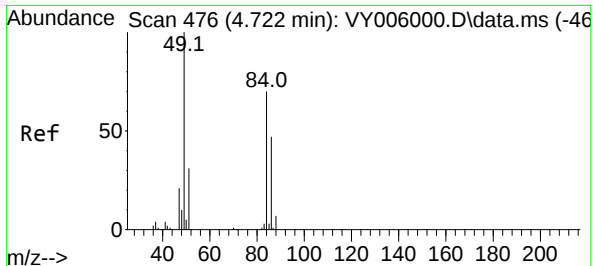
Tgt Ion:168 Resp: 164187
Ion Ratio Lower Upper
168 100
99 55.7 46.9 70.3



#16
Acetone
Concen: 6.083 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

Tgt Ion: 43 Resp: 3805
Ion Ratio Lower Upper
43 100
58 28.8 22.0 33.0

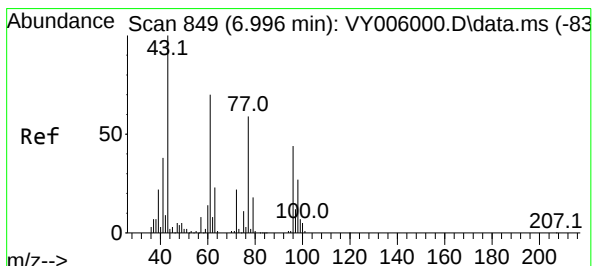
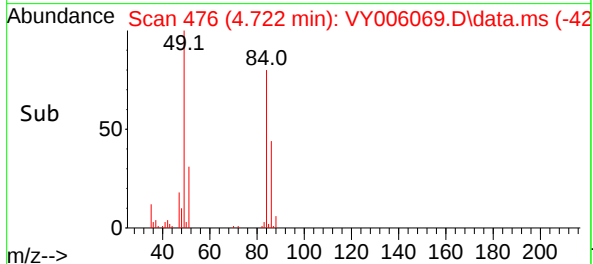
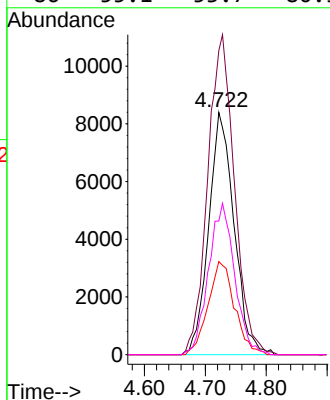
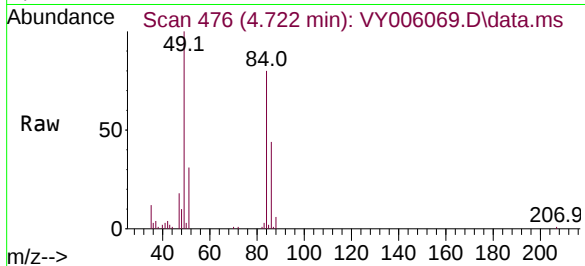




#20
Methylene Chloride
Concen: 8.647 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

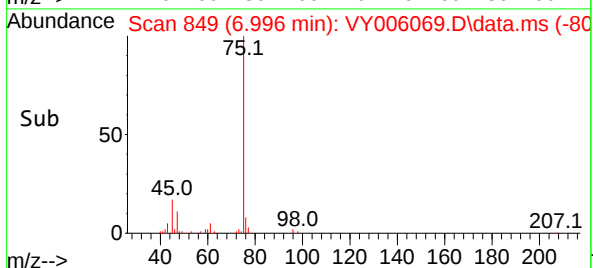
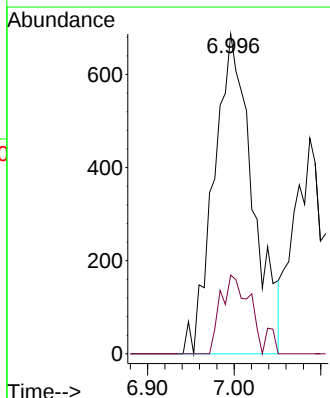
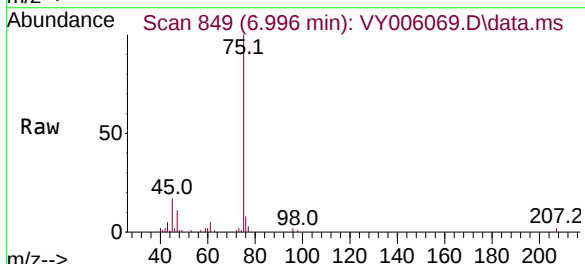
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

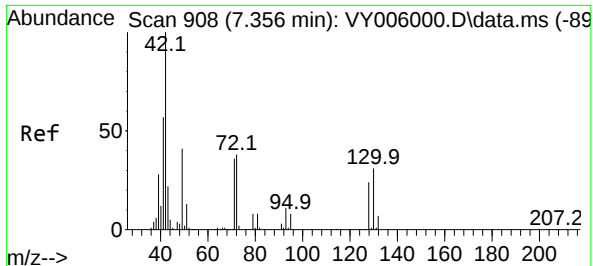
Tgt Ion:	84	Resp:	24379
Ion	Ratio	Lower	Upper
84	100		
49	125.6	114.4	171.6
51	38.4	35.3	52.9
86	55.1	53.7	80.5



#25
2-Butanone
Concen: 2.475 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

Tgt Ion:	43	Resp:	2134
Ion	Ratio	Lower	Upper
43	100		
72	24.6	17.7	26.5





#29

Tetrahydrofuran

Concen: 1.360 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.007 min

Lab File: VY006069.D

Acq: 17 Sep 2021 14:28

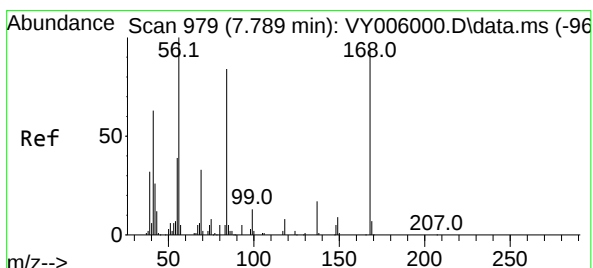
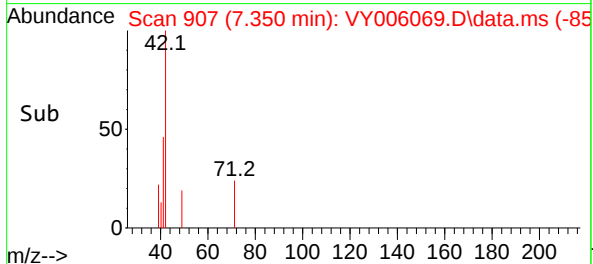
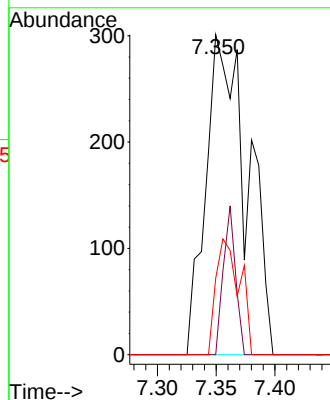
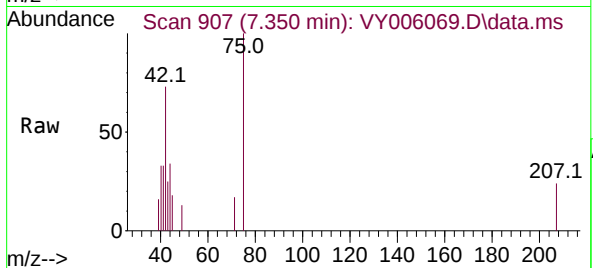
Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion:	42	Resp:	737
Ion	Ratio	Lower	Upper
42	100		
72	13.7	30.3	45.5#
71	20.8	29.0	43.4#



#31

Cyclohexane

Concen: 1.031 ug/l

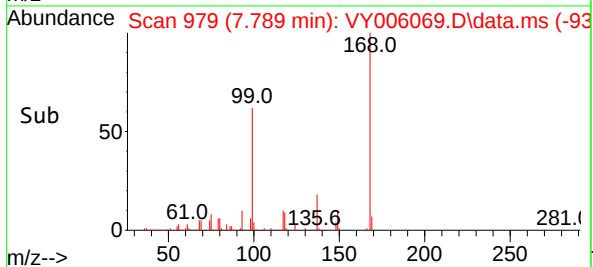
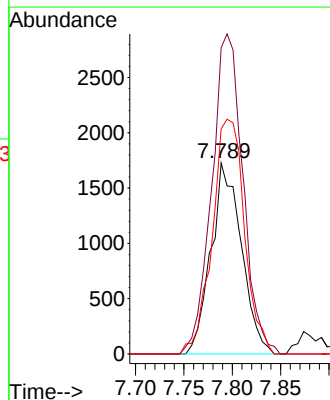
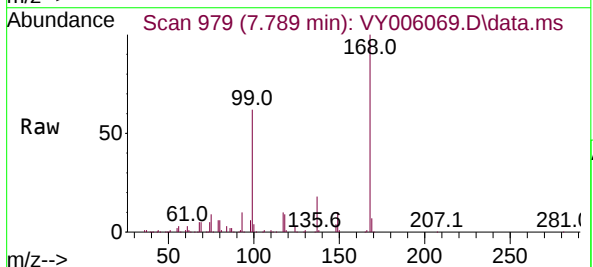
RT: 7.789 min Scan# 979

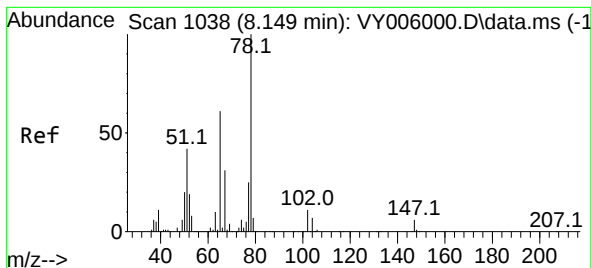
Delta R.T. -0.000 min

Lab File: VY006069.D

Acq: 17 Sep 2021 14:28

Tgt Ion:	56	Resp:	3766
Ion	Ratio	Lower	Upper
56	100		
69	160.4	26.7	40.1#
84	118.0	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.845 ug/l

RT: 8.148 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY006069.D

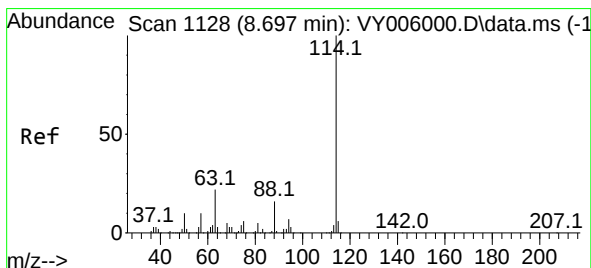
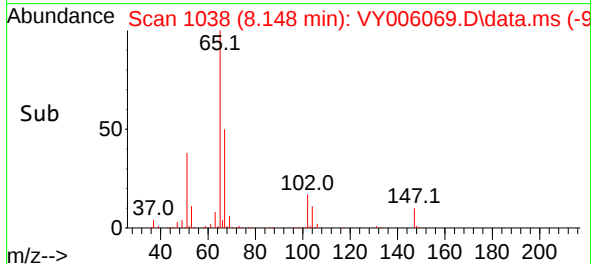
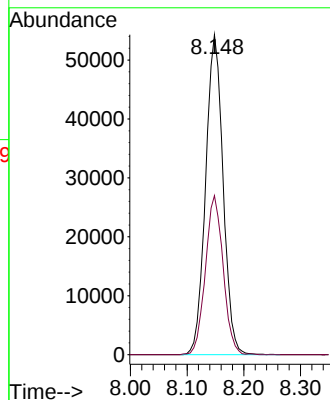
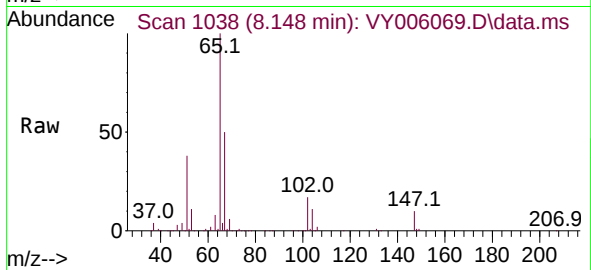
Acq: 17 Sep 2021 14:28

Tgt Ion: 65 Resp: 115960

Ion Ratio Lower Upper

65 100

67 50.5 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: VY006069.D

Acq: 17 Sep 2021 14:28

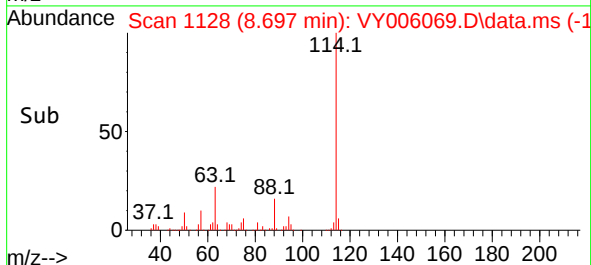
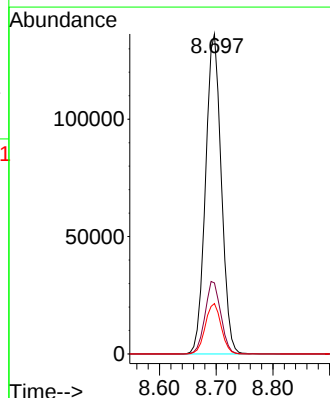
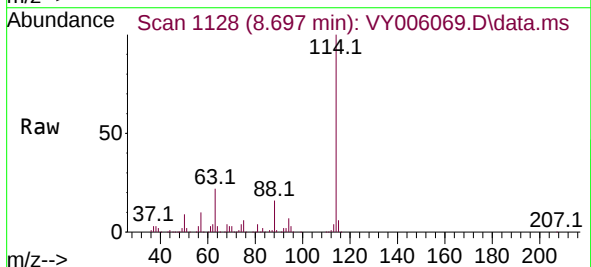
Tgt Ion: 114 Resp: 262592

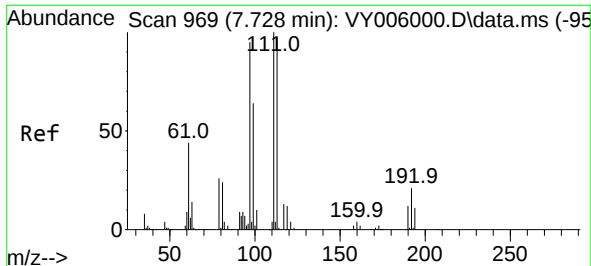
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.2

88 15.7 0.0 31.8

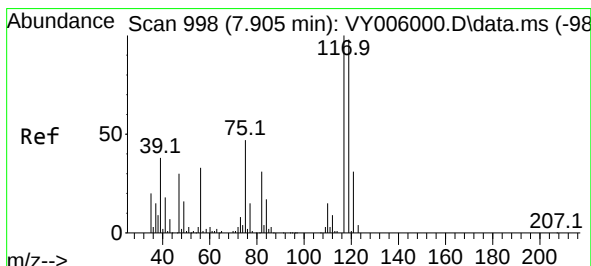
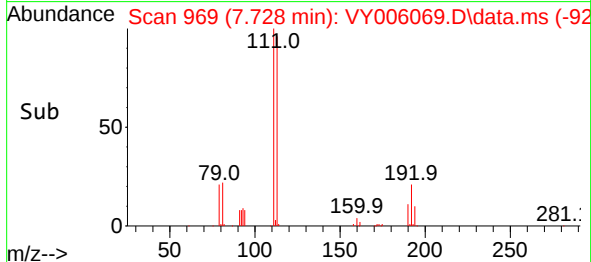
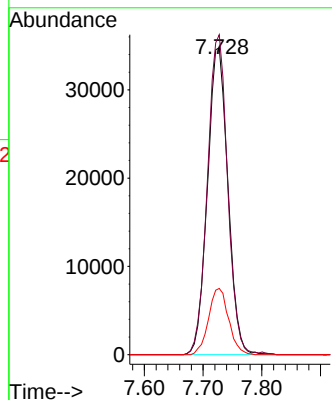
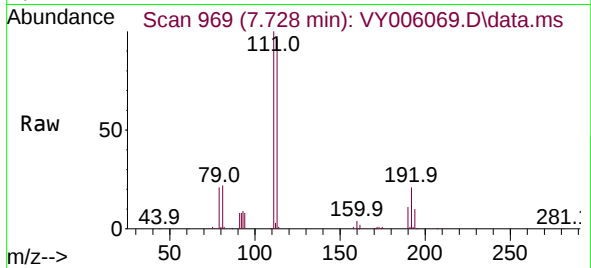




#35
Dibromofluoromethane
Concen: 51.680 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

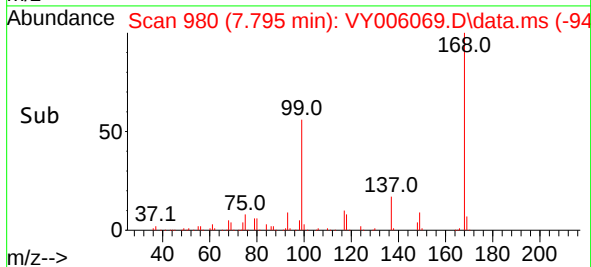
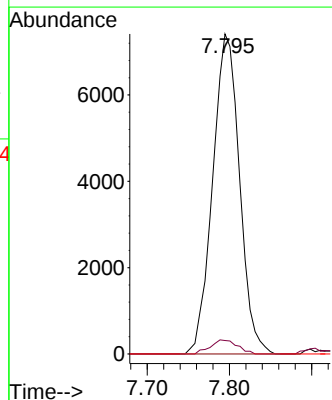
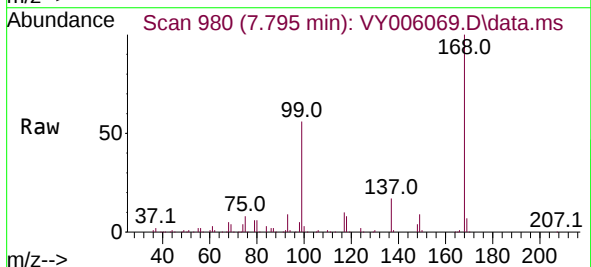
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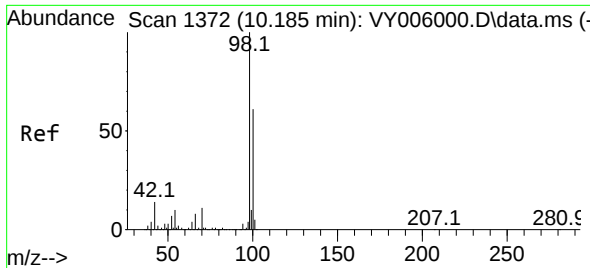
Tgt Ion:	113	Resp:	84291
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	124.0
192	21.1	17.6	26.4



#38
Carbon Tetrachloride
Concen: 5.457 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

Tgt Ion:	117	Resp:	16837
Ion	Ratio	Lower	Upper
117	100		
119	4.2	77.9	116.9#
121	0.0	24.8	37.2#

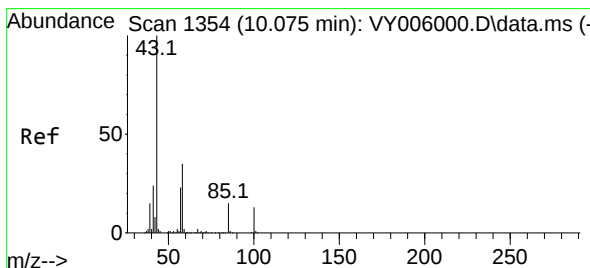
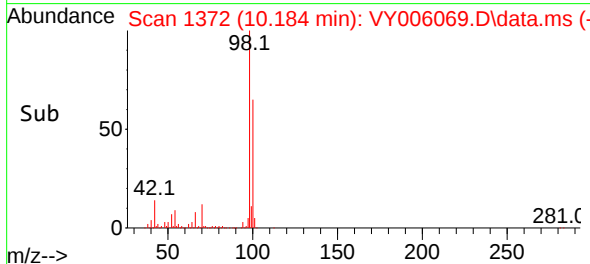
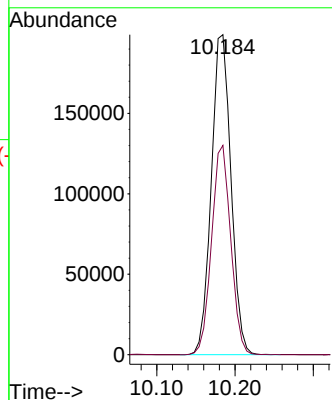
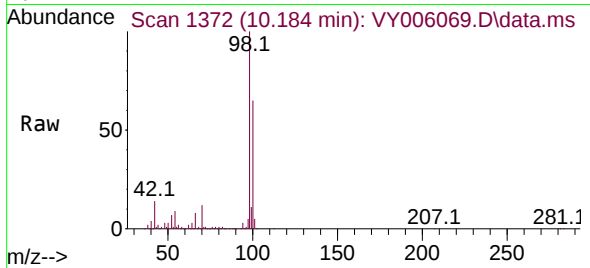




#50
Toluene-d8
Concen: 49.871 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

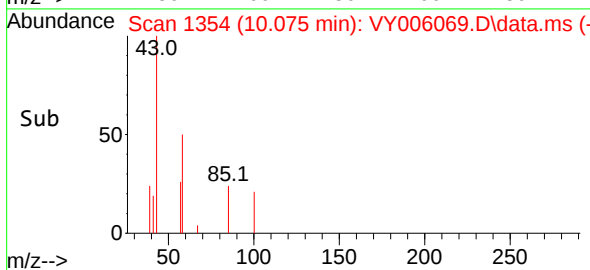
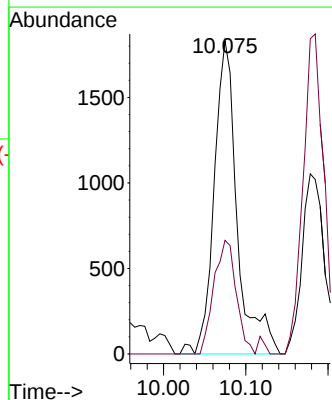
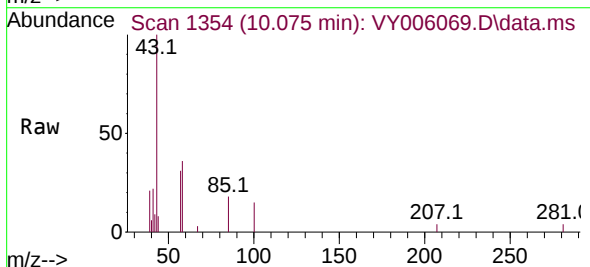
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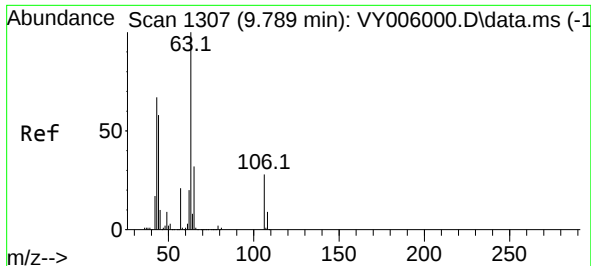
Tgt Ion: 98 Resp: 346674
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.841 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

Tgt Ion: 43 Resp: 3579
Ion Ratio Lower Upper
43 100
58 35.0 28.1 42.1

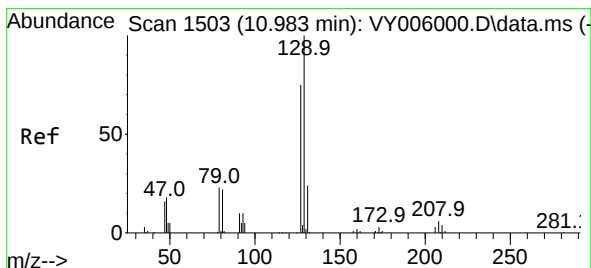
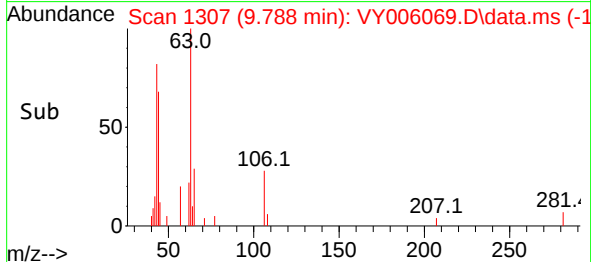
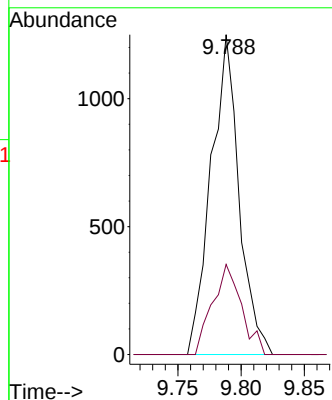
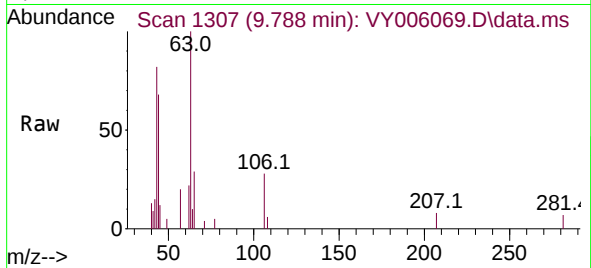




#58
2-Chloroethyl Vinyl ether
Concen: 1.538 ug/l
RT: 9.788 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

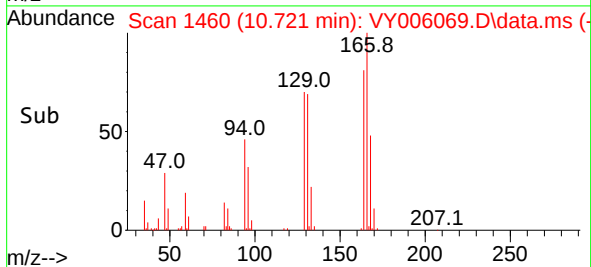
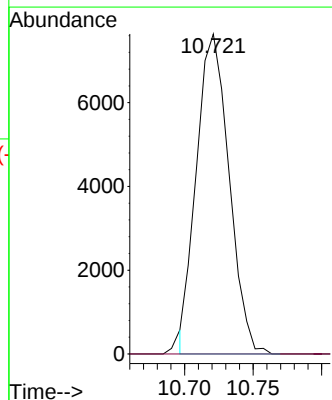
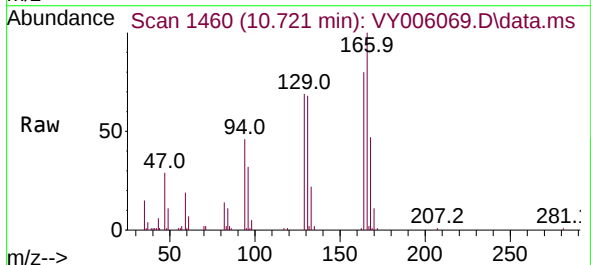
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

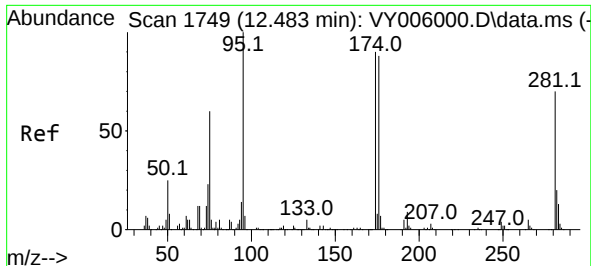
Tgt Ion: 63 Resp: 1925
Ion Ratio Lower Upper
63 100
106 29.0 21.5 32.3



#60
Dibromochloromethane
Concen: 6.854 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.263 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

Tgt Ion: 129 Resp: 12637
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#

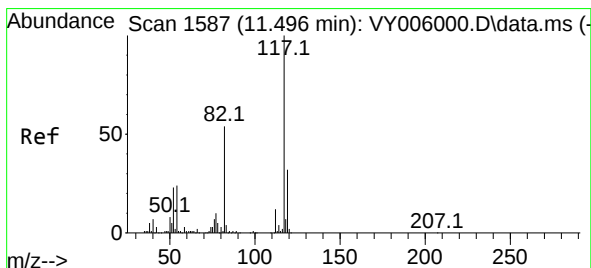
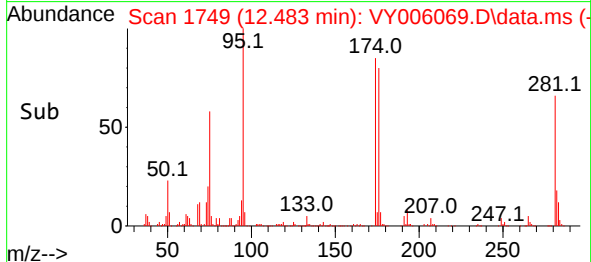
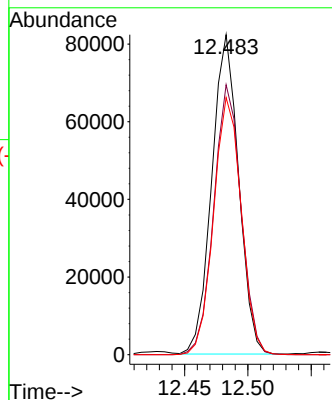
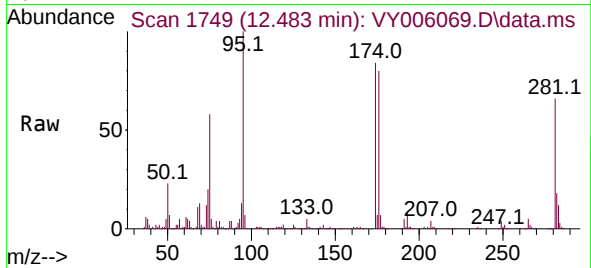




#62
4-Bromofluorobenzene
Concen: 51.435 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

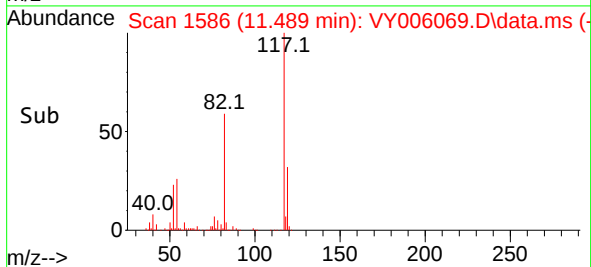
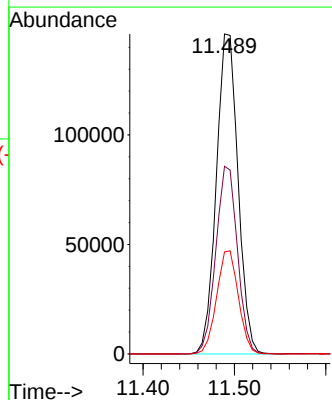
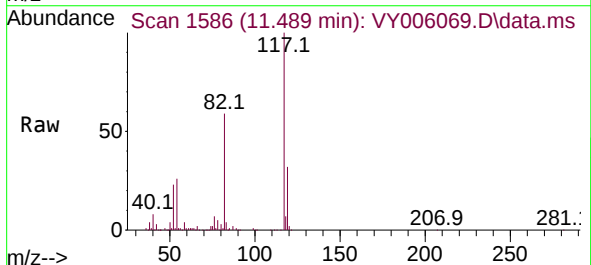
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

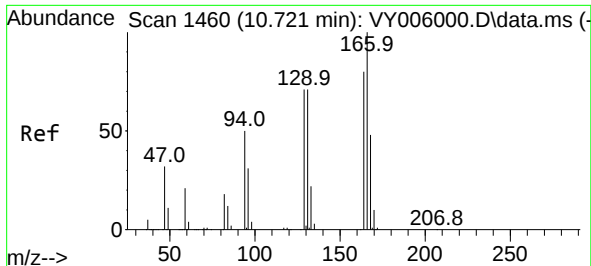
Tgt Ion: 95 Resp: 121394
Ion Ratio Lower Upper
95 100
174 85.5 0.0 177.0
176 82.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

Tgt Ion: 117 Resp: 241453
Ion Ratio Lower Upper
117 100
82 58.7 43.0 64.4
119 31.9 25.4 38.0

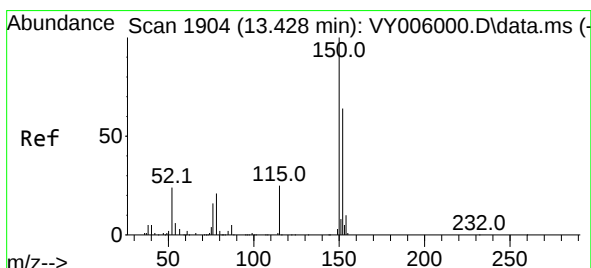
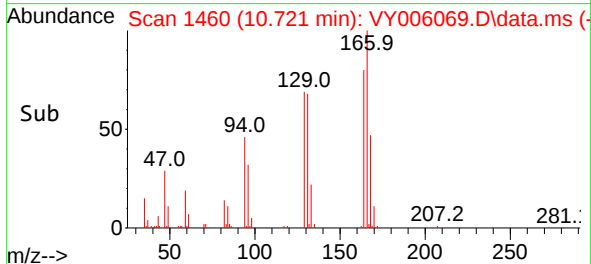
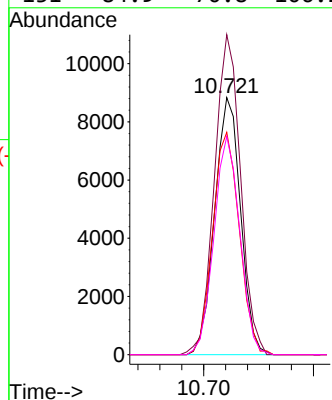
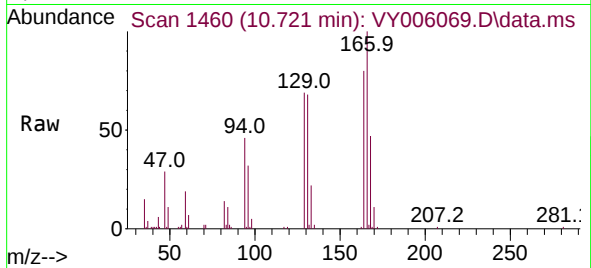




#64
Tetrachloroethene
Concen: 7.344 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

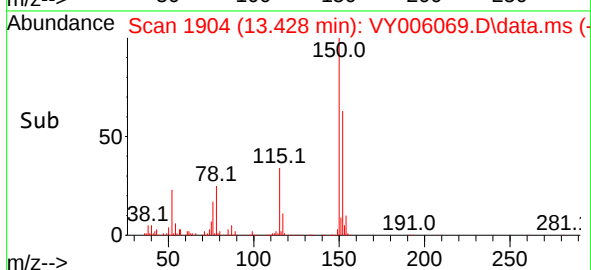
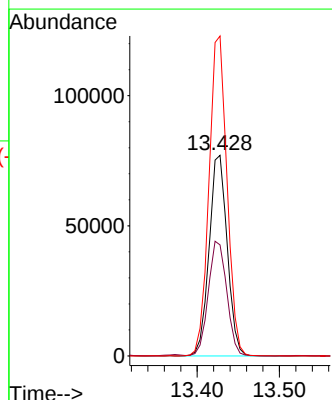
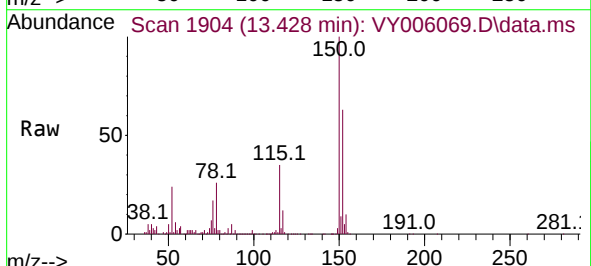
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

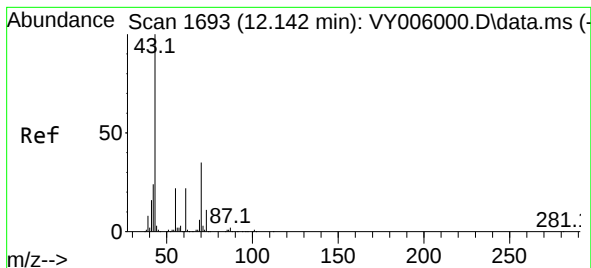
Tgt Ion:	164	Resp:	14503
Ion	Ratio	Lower	Upper
164	100		
166	124.5	100.4	150.6
129	86.5	71.4	107.0
131	84.9	70.8	106.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

Tgt Ion:	152	Resp:	117930
Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.2	84.7
150	158.7	0.0	347.6

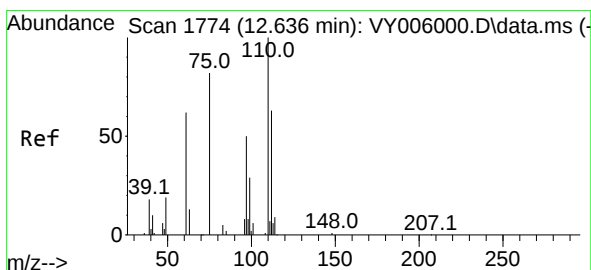
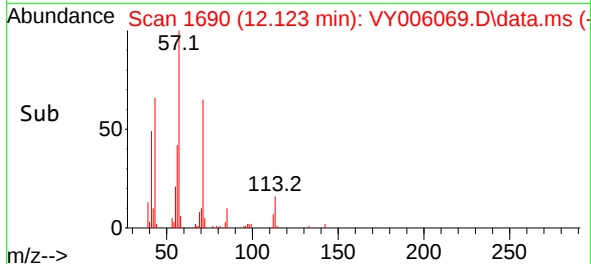
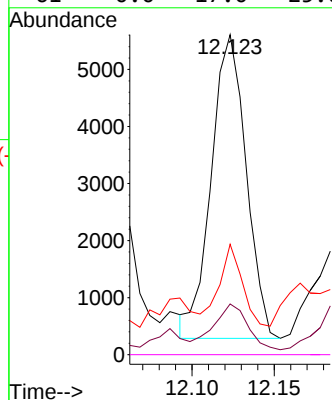
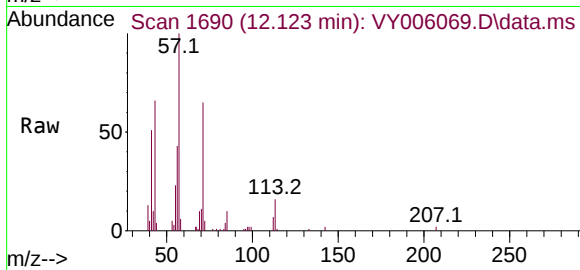




#74
N-amy1 acetate
Concen: 2.461 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

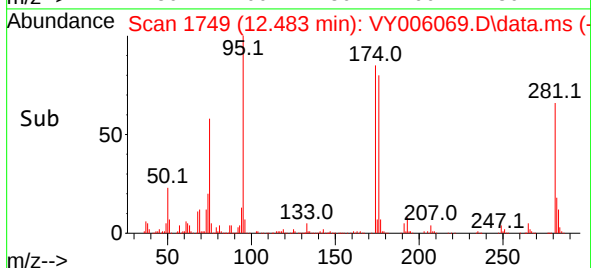
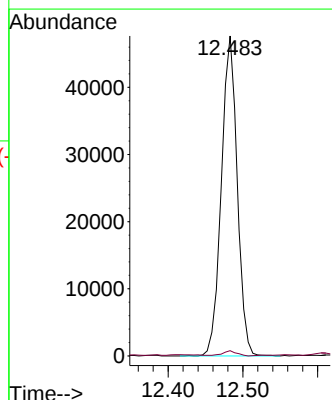
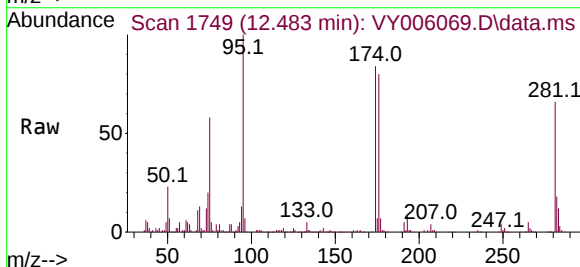
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

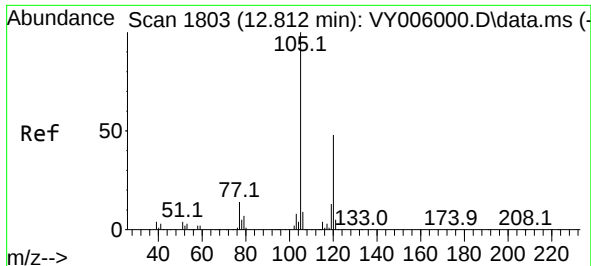
Tgt Ion:	43	Resp:	7848
Ion	Ratio	Lower	Upper
43	100		
70	14.6	28.7	43.1#
55	17.6	17.3	25.9
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 56.033 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

Tgt Ion:	75	Resp:	70454
Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#

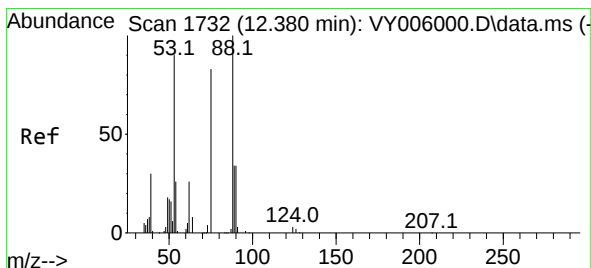
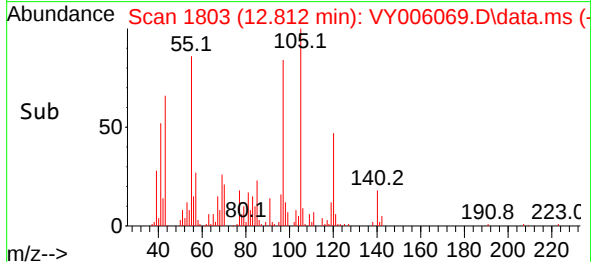
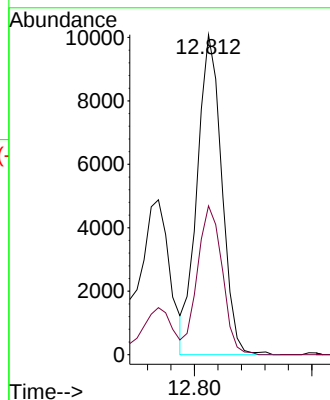
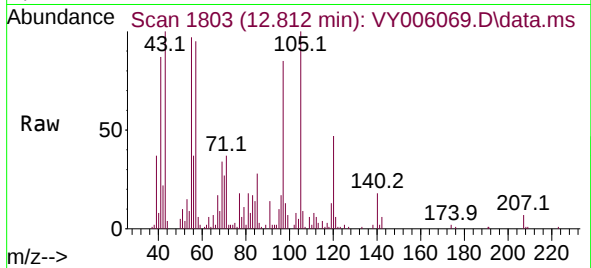




#80
 1,3,5-Trimethylbenzene
 Concen: 1.913 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. -0.000 min
 Lab File: VY006069.D
 Acq: 17 Sep 2021 14:28

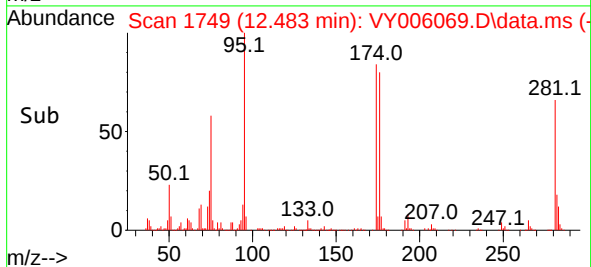
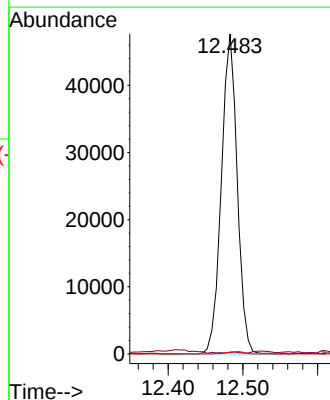
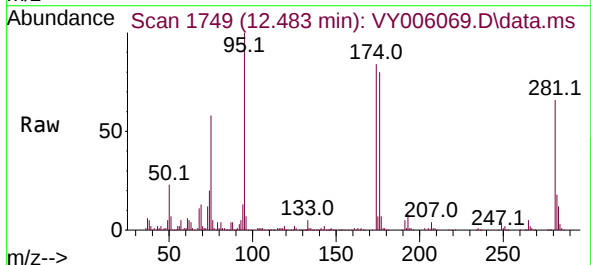
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

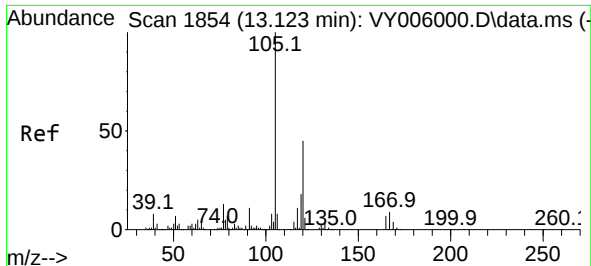
Tgt Ion:105 Resp: 14653
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.018 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY006069.D
 Acq: 17 Sep 2021 14:28

Tgt Ion: 75 Resp: 70454
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.3 127.9#
 89 0.8 37.0 55.4#

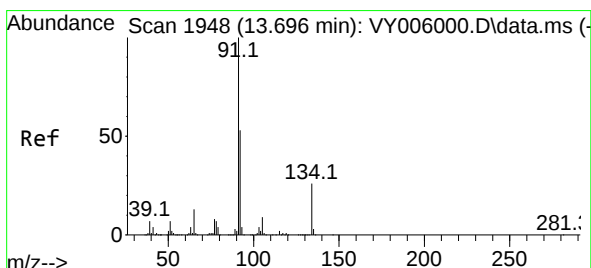
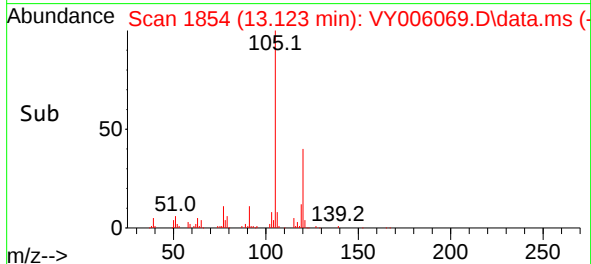
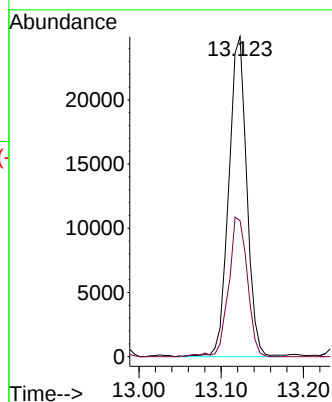
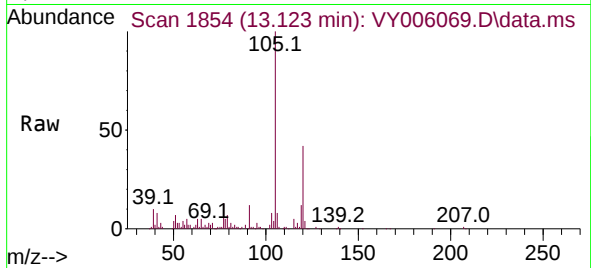




#84
1,2,4-Trimethylbenzene
Concen: 4.998 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

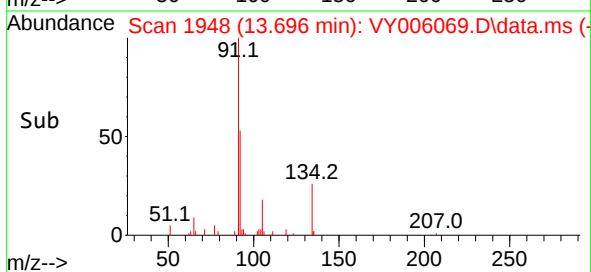
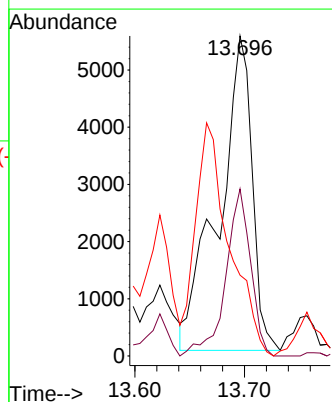
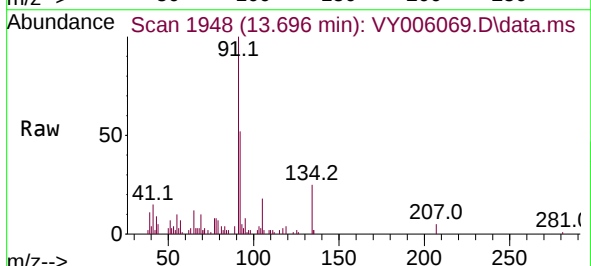
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

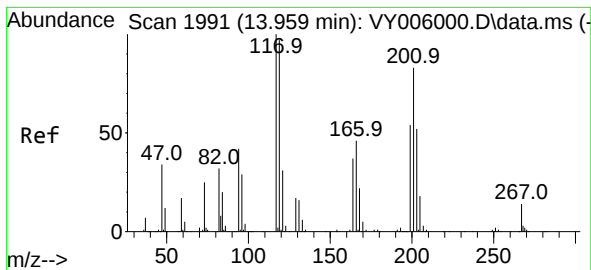
Tgt Ion:105 Resp: 37974
Ion Ratio Lower Upper
105 100
120 45.6 22.3 66.9



#89
n-Butylbenzene
Concen: 1.479 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

Tgt Ion: 91 Resp: 11578
Ion Ratio Lower Upper
91 100
92 39.7 26.3 78.9
134 0.0 13.0 38.9#





#90
Hexachloroethane
Concen: 1.057 ug/l
RT: 13.970 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY006069.D
Acq: 17 Sep 2021 14:28

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1592
Ion Ratio Lower Upper
117 100
201 15.0 43.0 128.8#

