

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010621.D
 Acq On : 22 Sep 2022 14:42
 Operator : KP/MD
 Sample : N4723-05
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-16-6.5-7.0

Quant Time: Sep 23 09:02:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

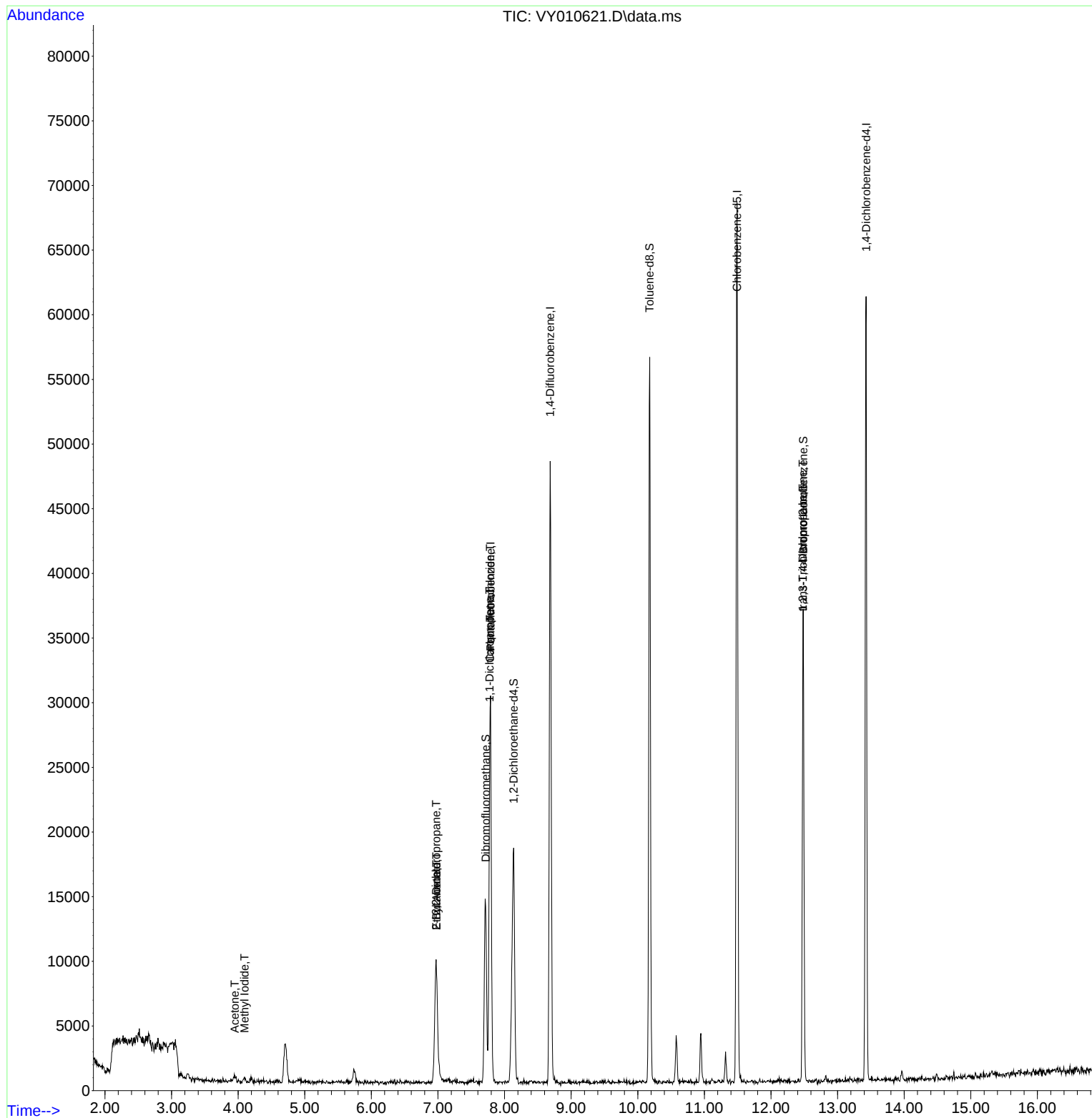
Internal Standards						
1) Pentafluorobenzene	7.789	168	24019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	41859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	39375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	16129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	12271	53.413	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.820%	
35) Dibromofluoromethane	7.716	113	9976	37.343	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 74.680%	
50) Toluene-d8	10.179	98	37748	38.968	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 77.940%	
62) 4-Bromofluorobenzene	12.483	95	11018	28.931	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 57.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	240	Below Cal	#	71
4) Vinyl Chloride	2.235	62	19	Below Cal	#	43
5) Bromomethane	2.662	94	353	Below Cal		82
10) Methyl Iodide	4.095	142	405	1.846	ug/l #	65
11) Tert butyl alcohol	4.954	59	77	Below Cal	#	77
16) Acetone	3.948	43	774	16.521	ug/l #	73
18) Methyl Acetate	4.217	43	55	Below Cal	#	56
20) Methylene Chloride	4.710	84	2547	Below Cal	#	71
25) 2-Butanone	6.978	43	542	7.396	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	792	2.273	ug/l #	55
31) Cyclohexane	7.783	56	412	Below Cal	#	1
36) 1,1-Dichloropropene	7.777	75	1857	6.239	ug/l #	44
37) Ethyl Acetate	6.978	43	542	3.153	ug/l #	1
38) Carbon Tetrachloride	7.783	117	2517	7.354	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	5468	35.520	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5468	78.977	ug/l #	7

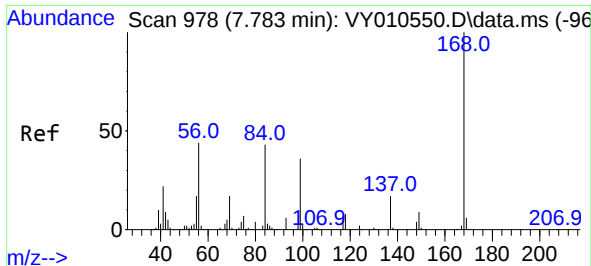
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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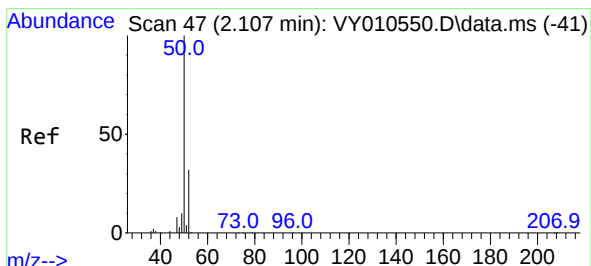
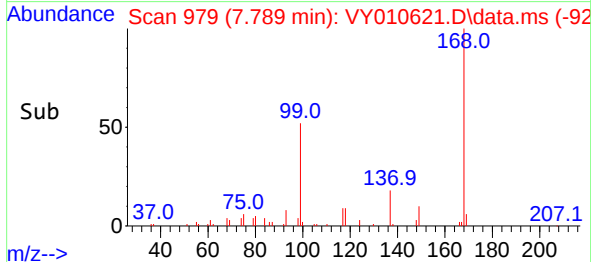
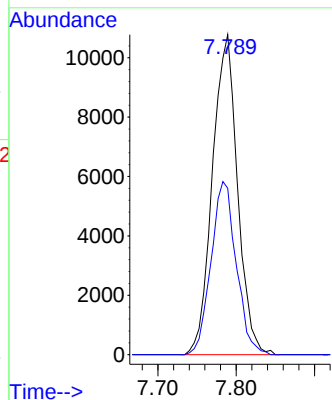
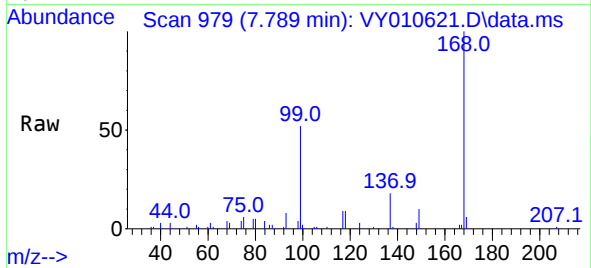




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

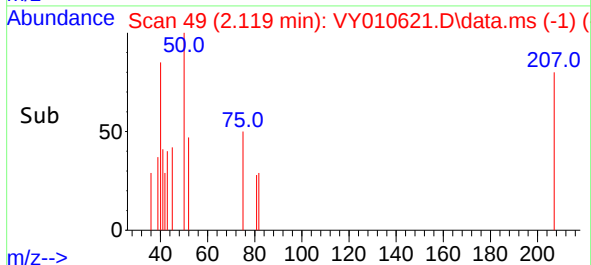
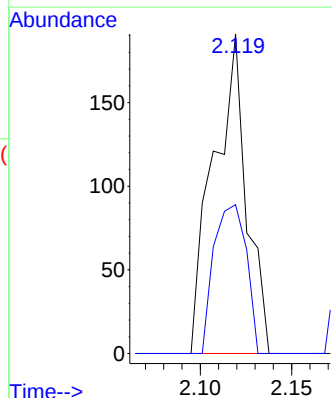
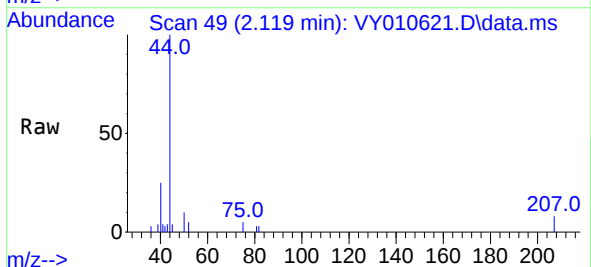
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-6.5-7.0

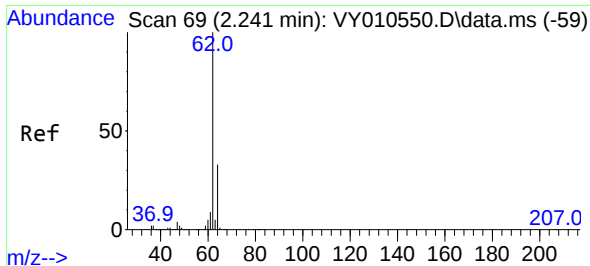
Tgt Ion:168 Resp: 24019
Ion Ratio Lower Upper
168 100
99 52.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

Tgt Ion: 50 Resp: 240
Ion Ratio Lower Upper
50 100
52 46.6 24.6 37.0#

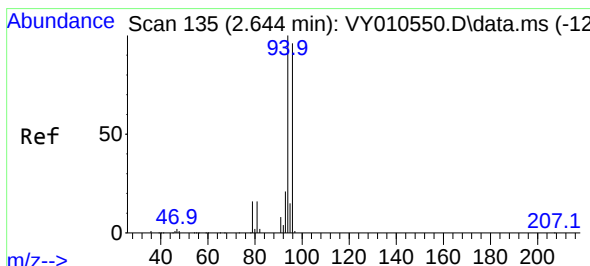
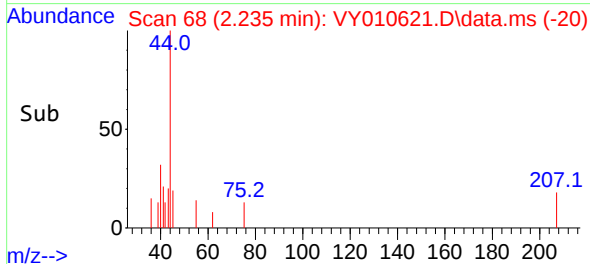
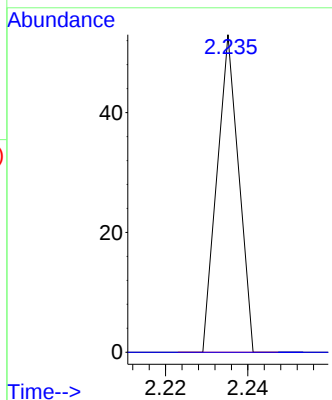
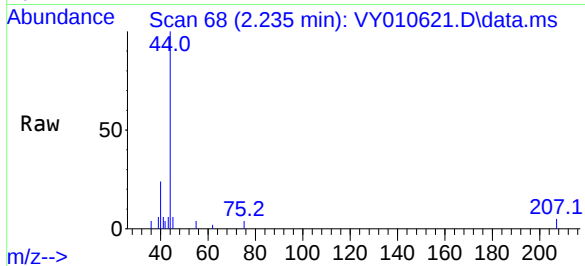




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.235 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VY010621.D
 Acq: 22 Sep 2022 14:42

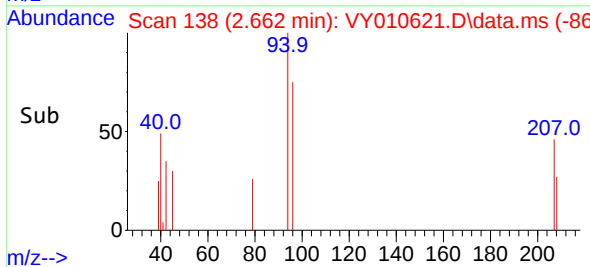
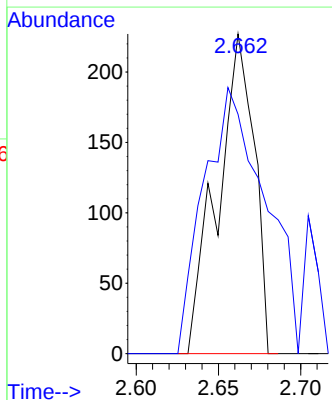
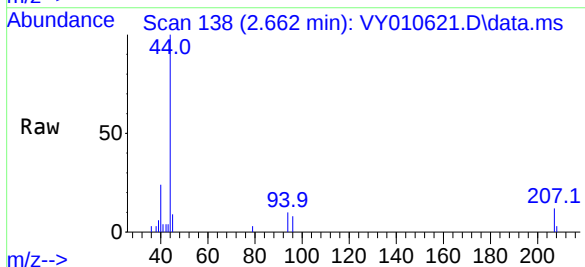
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-16-6.5-7.0

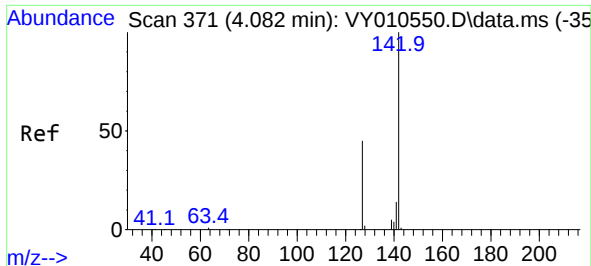
Tgt Ion: 62 Resp: 19
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.018 min
 Lab File: VY010621.D
 Acq: 22 Sep 2022 14:42

Tgt Ion: 94 Resp: 353
 Ion Ratio Lower Upper
 94 100
 96 74.9 73.5 110.3

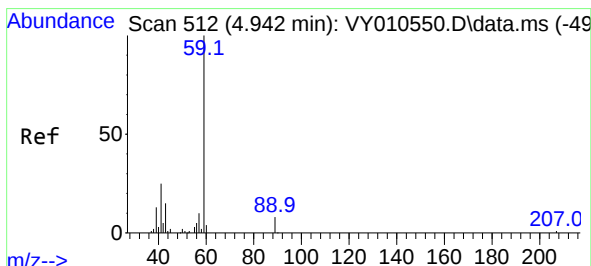
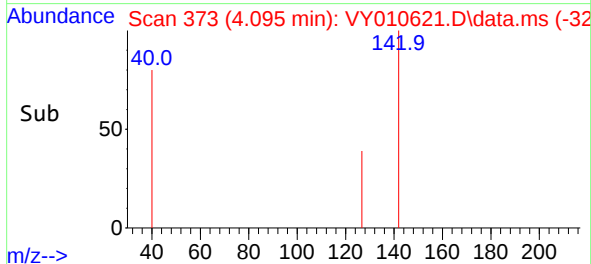
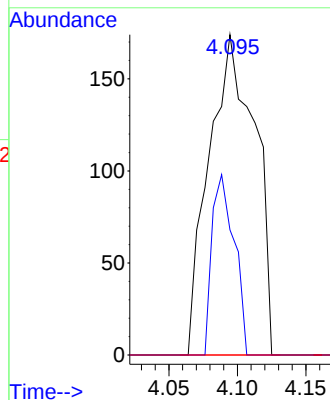
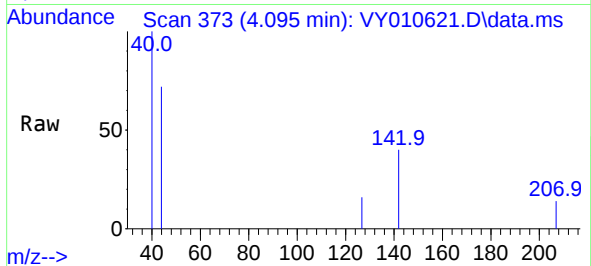




#10
Methyl Iodide
Concen: 1.846 ug/l
RT: 4.095 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

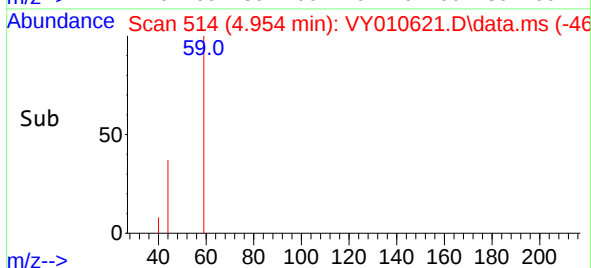
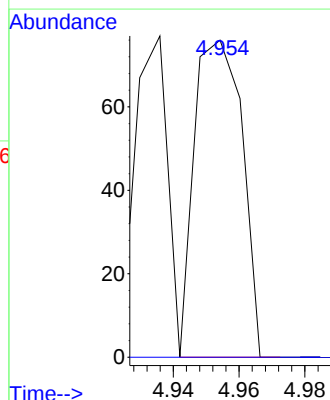
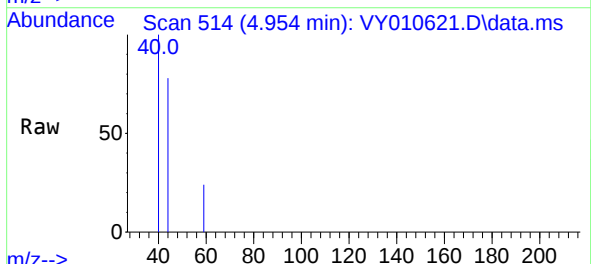
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-6.5-7.0

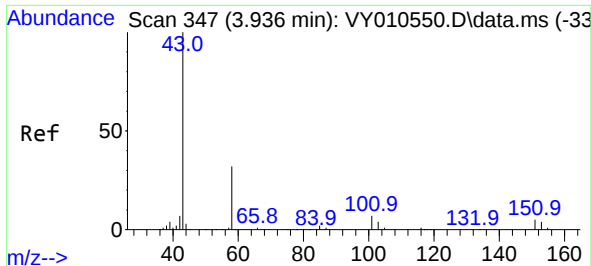
Tgt Ion:142 Resp: 405
Ion Ratio Lower Upper
142 100
127 27.2 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

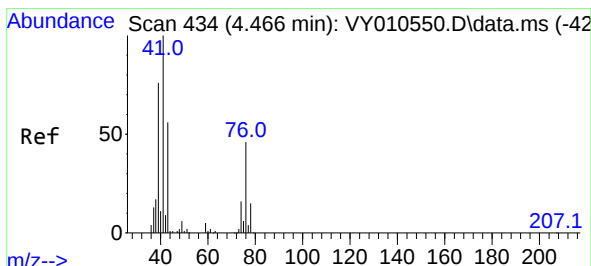
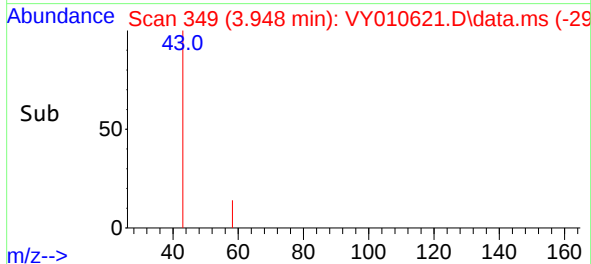
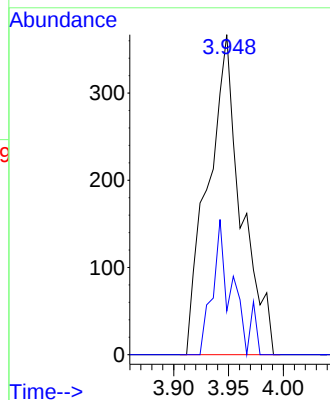
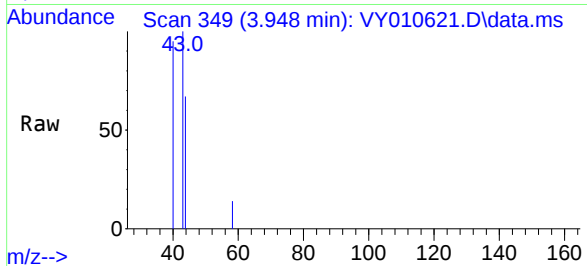




#16
Acetone
Concen: 16.521 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

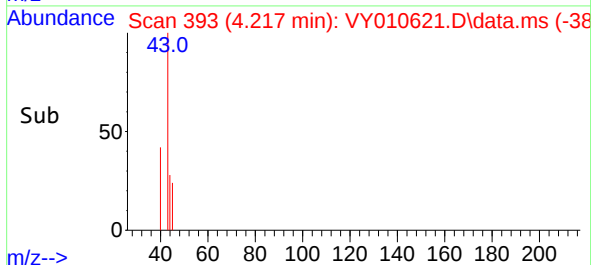
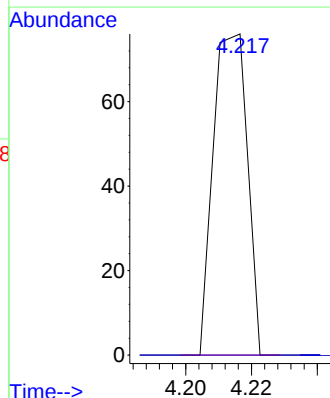
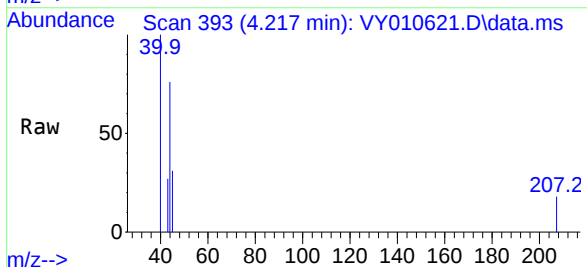
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-6.5-7.0

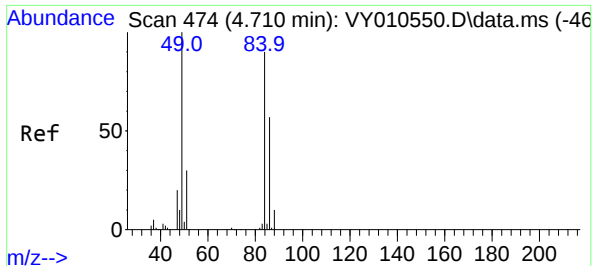
Tgt Ion: 43 Resp: 774
Ion Ratio Lower Upper
43 100
58 13.6 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.217 min Scan# 393
Delta R.T. -0.249 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

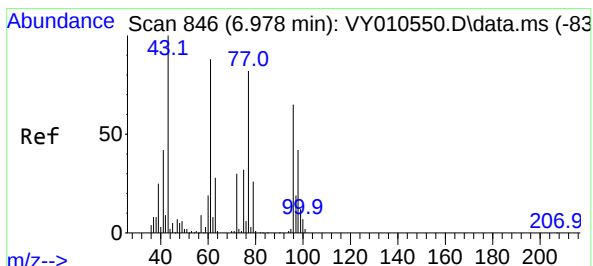
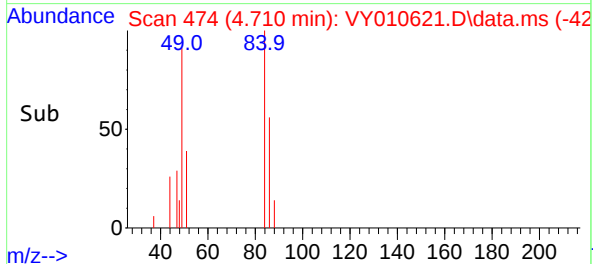
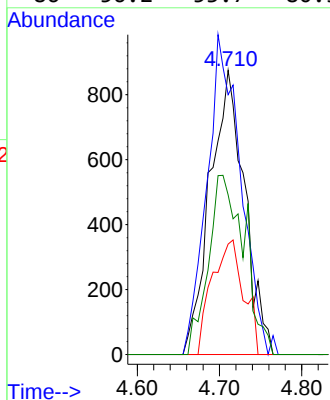
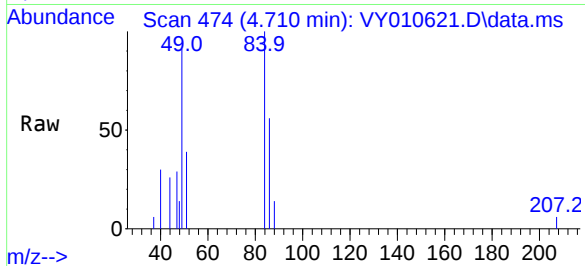




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

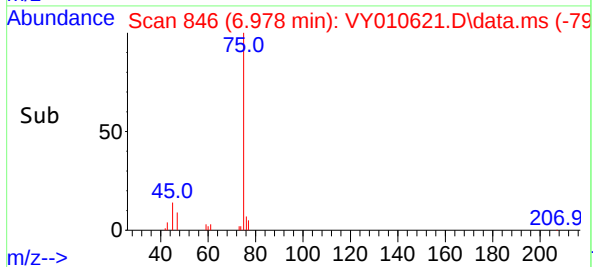
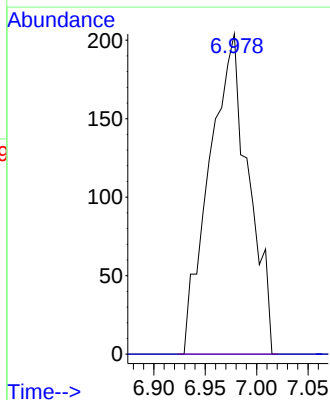
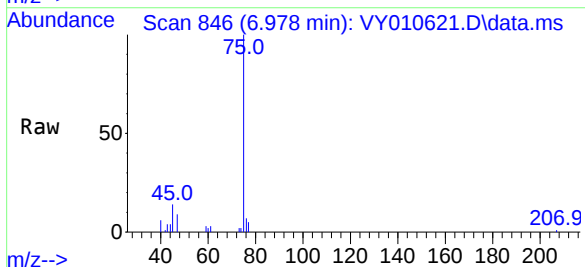
Instrument :
MSVOA_Y
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SB-16-6.5-7.0

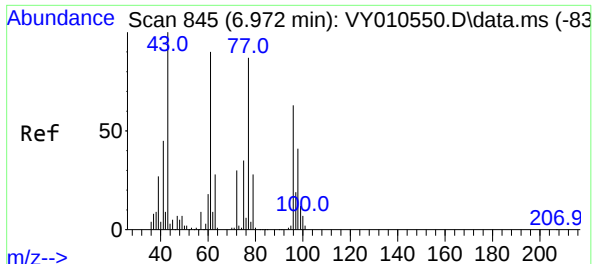
Tgt Ion: 84 Resp: 2547
Ion Ratio Lower Upper
84 100
49 91.4 114.4 171.6#
51 38.9 35.3 52.9
86 56.2 53.7 80.5



#25
2-Butanone
Concen: 7.396 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

Tgt Ion: 43 Resp: 542
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

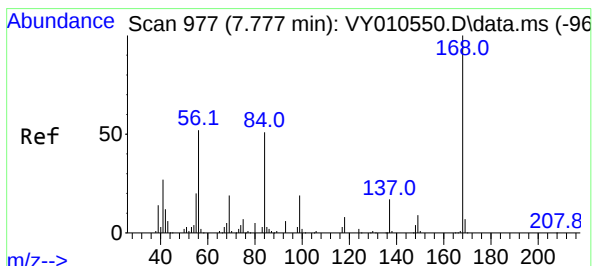
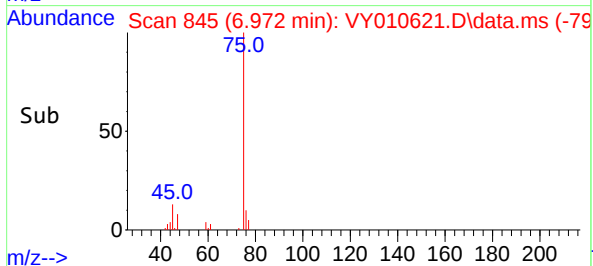
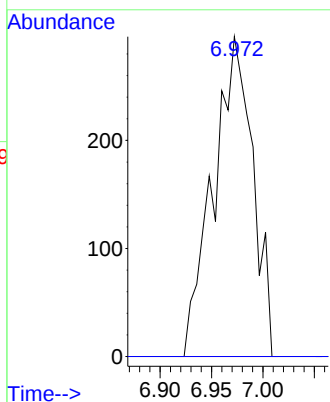
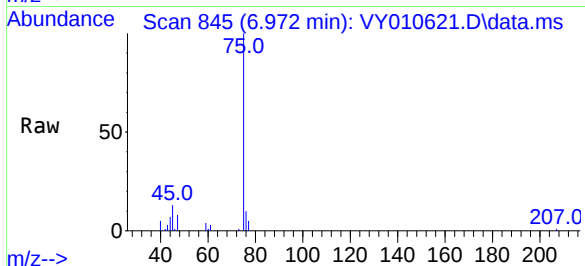




#26
2,2-Dichloropropane
Concen: 2.273 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

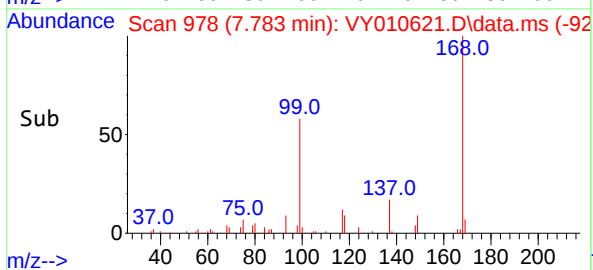
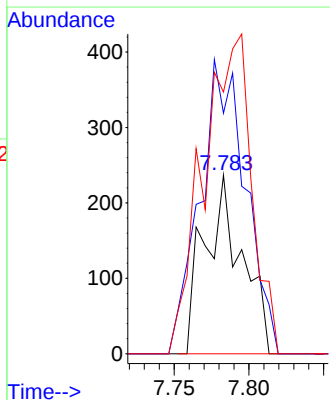
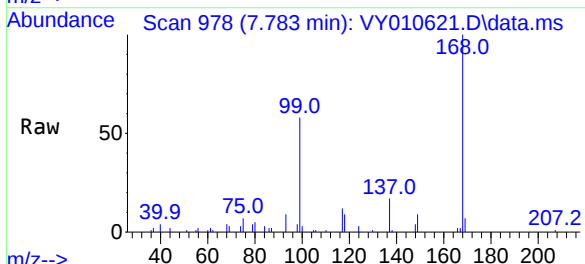
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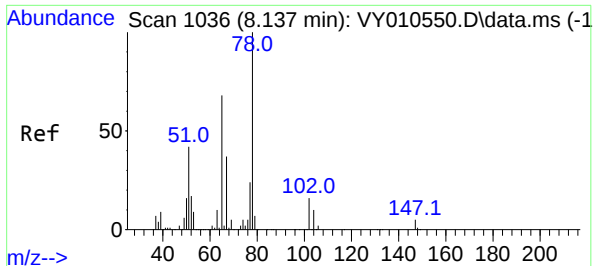
Tgt Ion: 77 Resp: 792
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

Tgt Ion: 56 Resp: 412
Ion Ratio Lower Upper
56 100
69 134.6 26.7 40.1#
84 146.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.413 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY010621.D

Acq: 22 Sep 2022 14:42

Instrument :

MSVOA_Y

ClientSampleId :

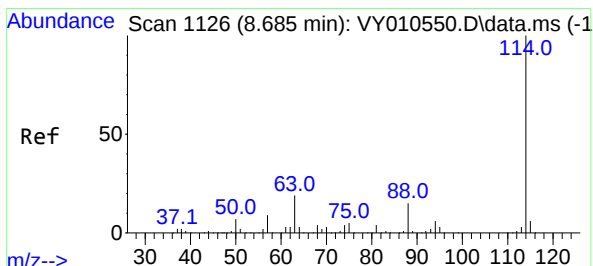
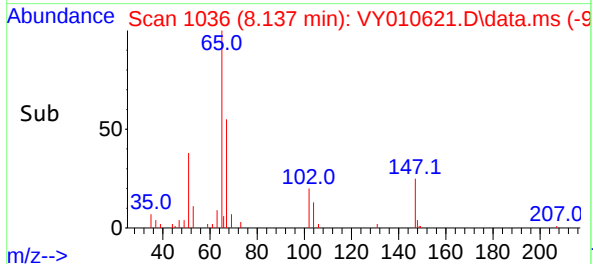
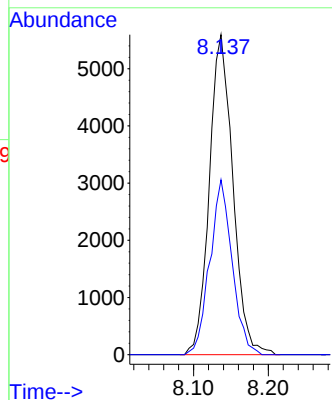
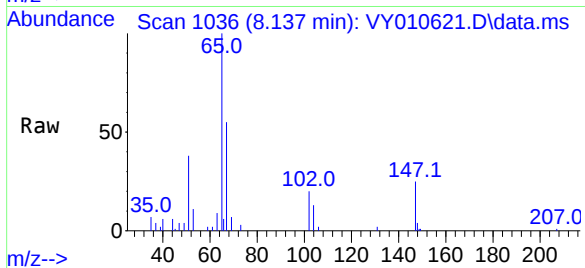
SB-16-6.5-7.0

Tgt Ion: 65 Resp: 12271

Ion Ratio Lower Upper

65 100

67 51.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010621.D

Acq: 22 Sep 2022 14:42

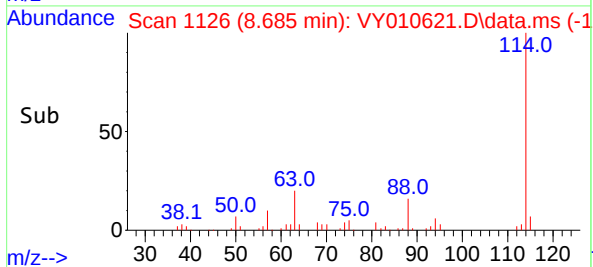
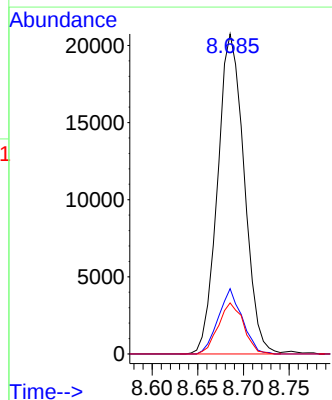
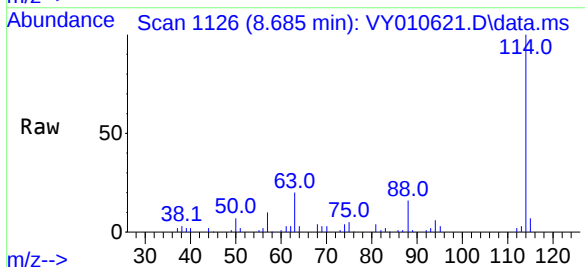
Tgt Ion: 114 Resp: 41859

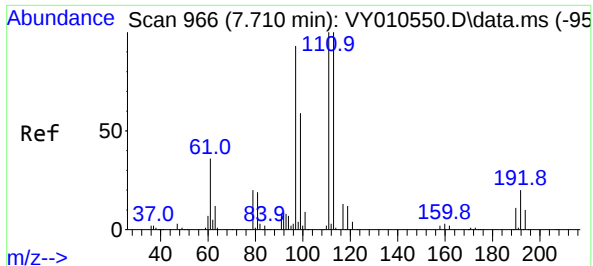
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 16.0 0.0 31.8

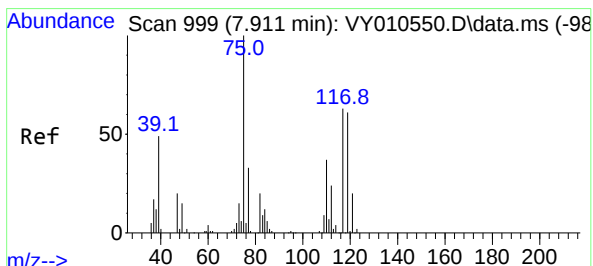
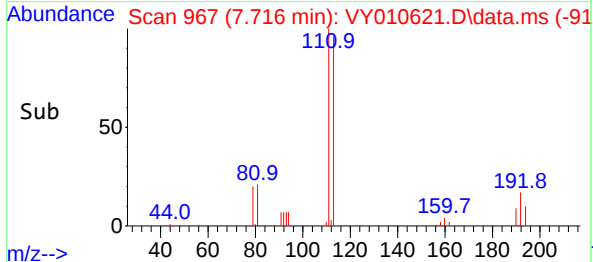
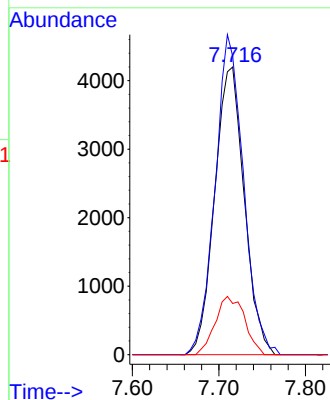
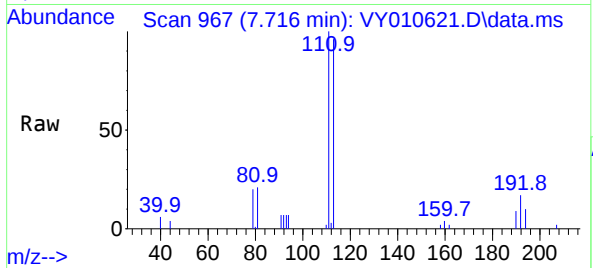




#35
Dibromofluoromethane
Concen: 37.343 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

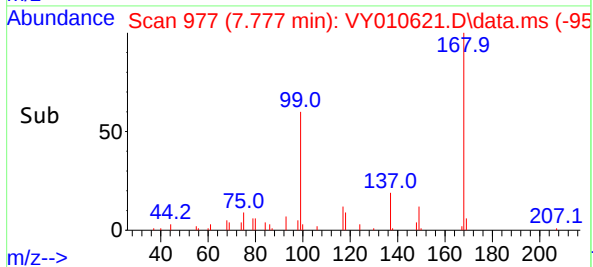
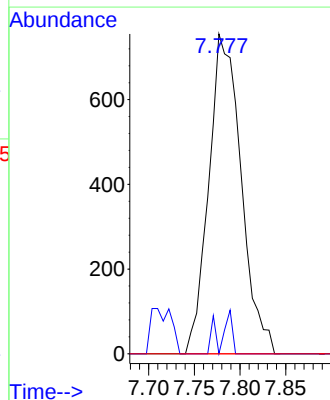
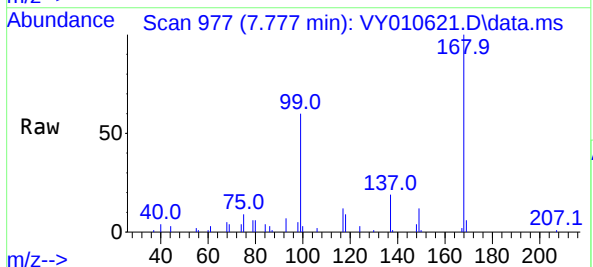
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-6.5-7.0

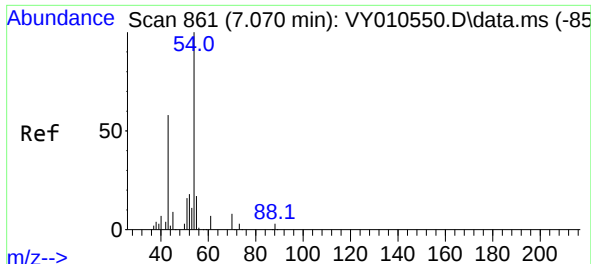
Tgt Ion:	113	Resp:	9976
Ion	Ratio	Lower	Upper
113	100		
111	106.5	82.6	124.0
192	20.1	17.6	26.4



#36
1,1-Dichloropropene
Concen: 6.239 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

Tgt Ion:	75	Resp:	1857
Ion	Ratio	Lower	Upper
75	100		
110	1.8	17.1	51.2#
77	0.0	24.4	36.6#

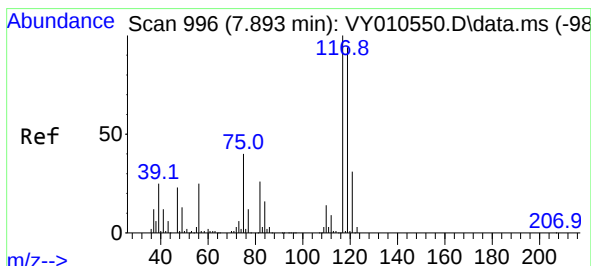
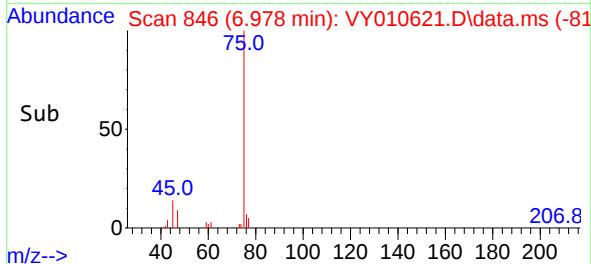
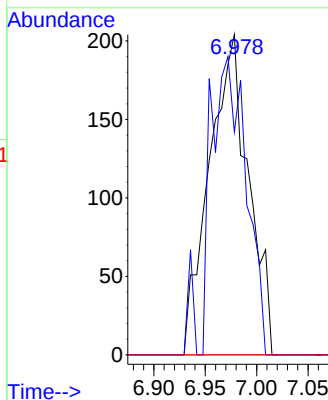
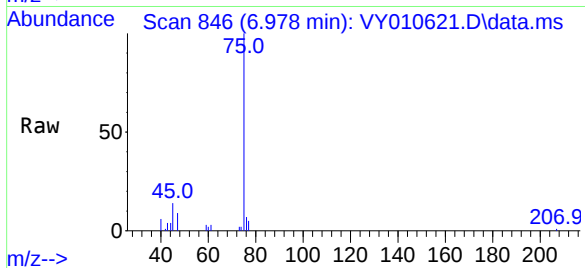




#37
Ethyl Acetate
Concen: 3.153 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

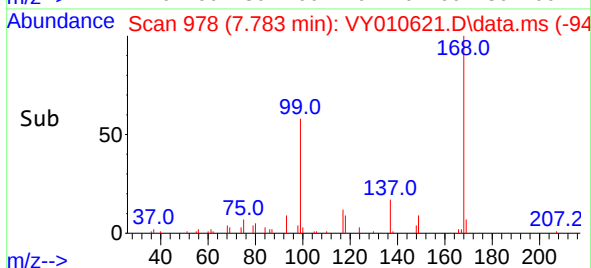
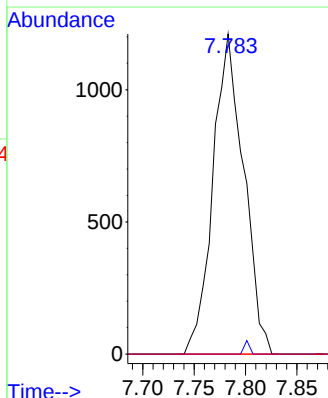
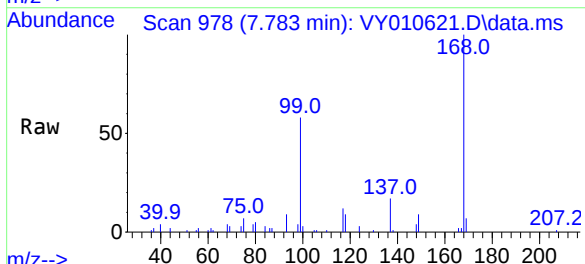
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-6.5-7.0

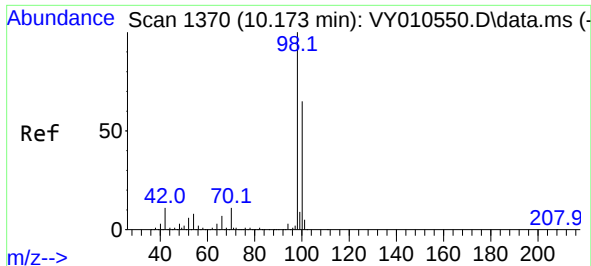
Tgt Ion: 43 Resp: 542
Ion Ratio Lower Upper
43 100
61 87.3 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 7.354 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

Tgt Ion: 117 Resp: 2517
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

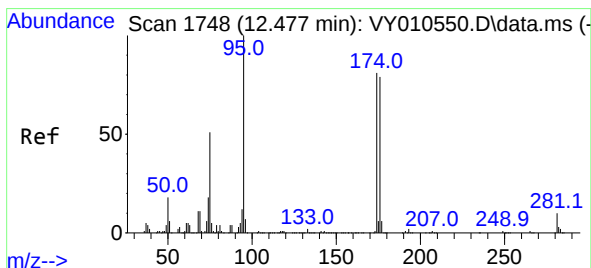
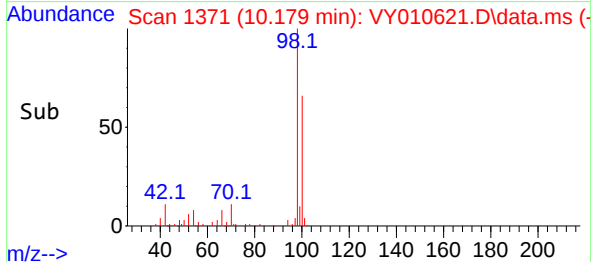
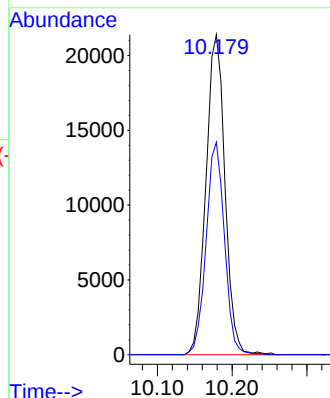
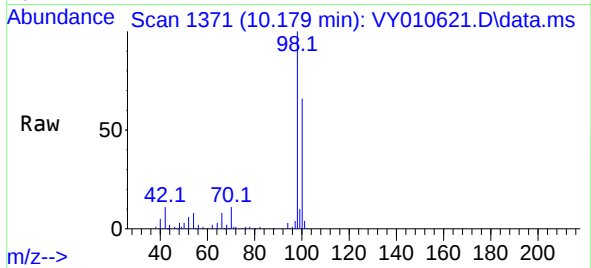




#50
Toluene-d8
Concen: 38.968 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

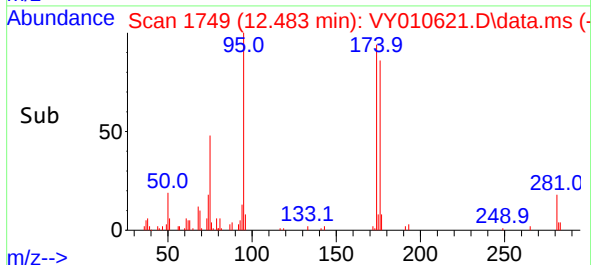
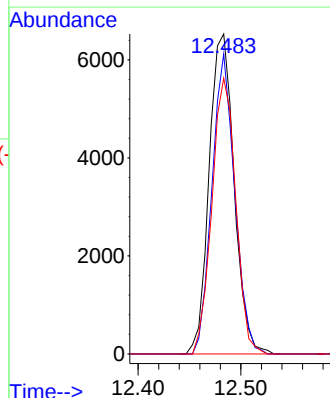
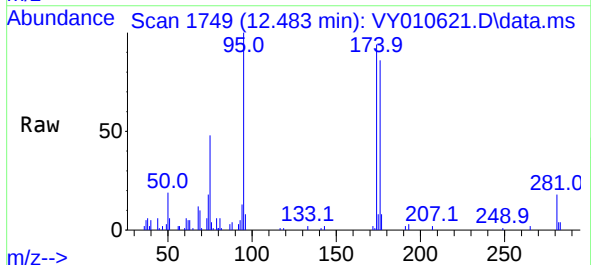
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-6.5-7.0

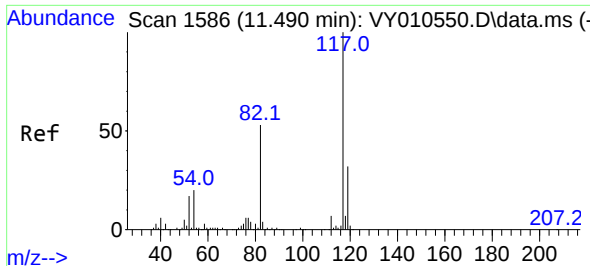
Tgt Ion: 98 Resp: 37748
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 28.931 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

Tgt Ion: 95 Resp: 11018
Ion Ratio Lower Upper
95 100
174 85.6 0.0 177.0
176 82.1 0.0 175.8

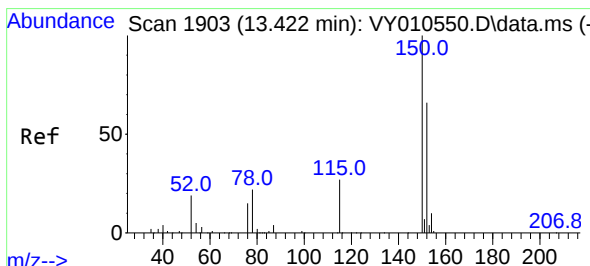
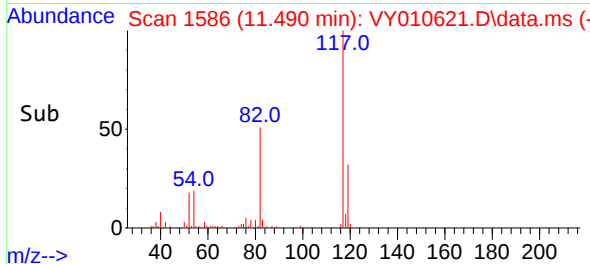
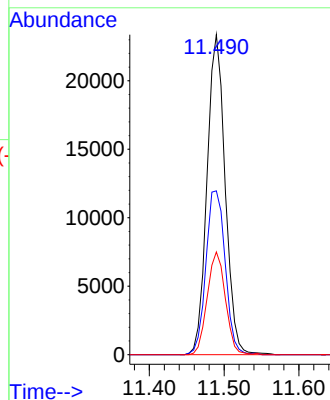
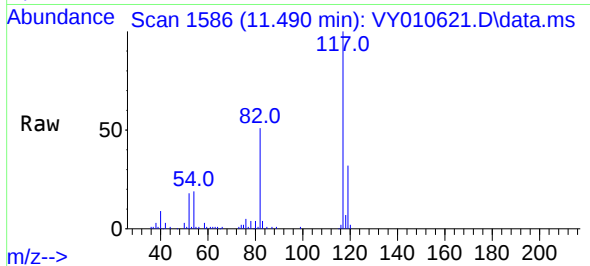




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

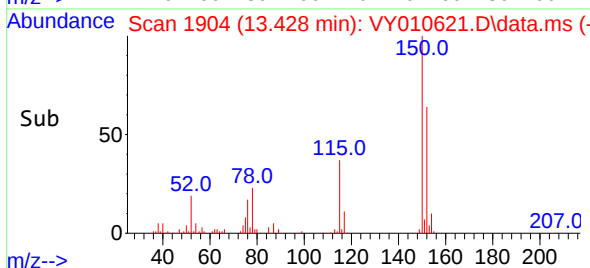
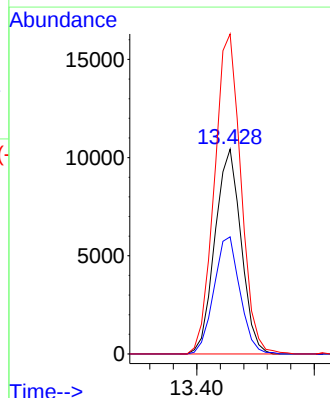
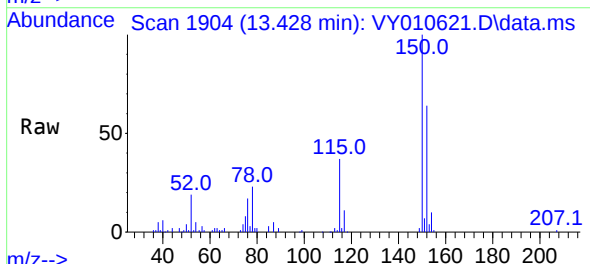
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-6.5-7.0

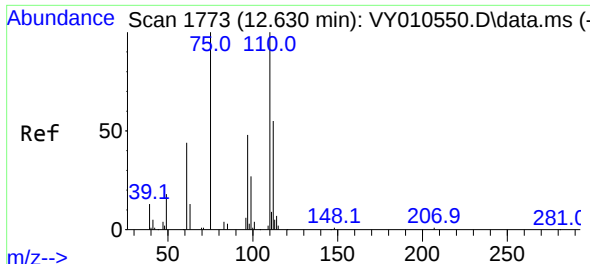
Tgt Ion:	117	Resp:	39375
Ion	Ratio	Lower	Upper
117	100		
82	51.2	43.0	64.4
119	32.1	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

Tgt Ion:	152	Resp:	16129
Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.2	84.7
150	158.3	0.0	347.6

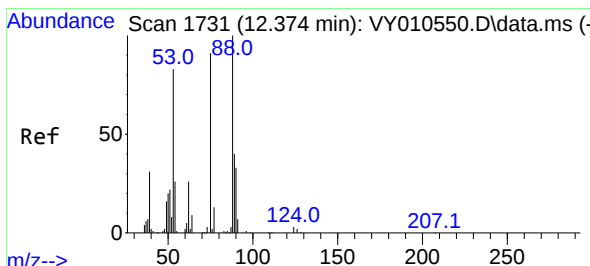
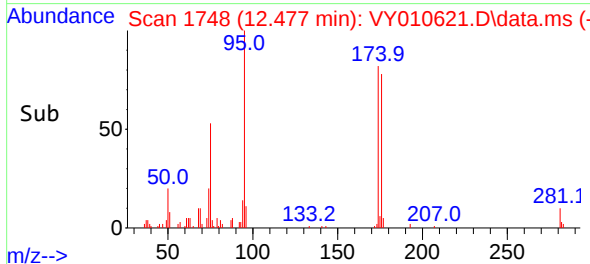
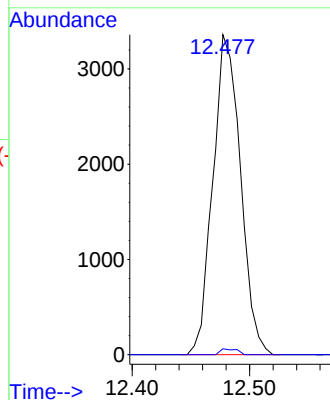
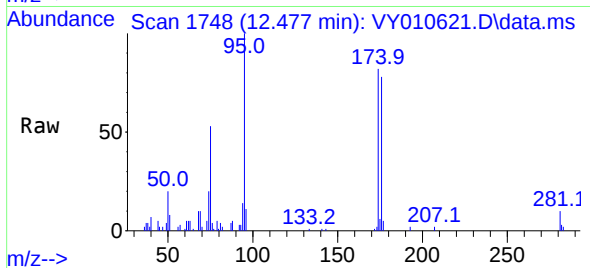




#76
1,2,3-Trichloropropane
Concen: 35.520 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

Instrument :
MSVOA_Y
ClientSampleId :
SB-16-6.5-7.0

Tgt Ion: 75 Resp: 5468
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.977 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010621.D
Acq: 22 Sep 2022 14:42

Tgt Ion: 75 Resp: 5468
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

