

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090623\
 Data File : VY015455.D
 Acq On : 06 Sep 2023 17:38
 Operator : SY/MD
 Sample : 04299-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-7.0-7.5

Quant Time: Sep 06 19:01:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

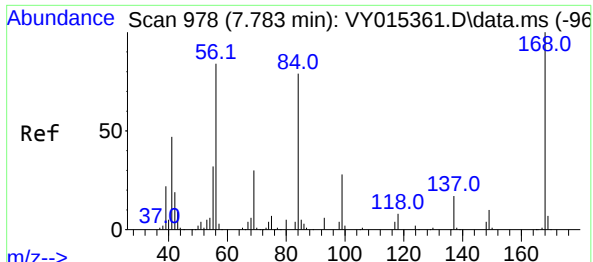
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	316628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	531805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	474681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	220653	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	210890	62.132	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 124.260%		
35) Dibromofluoromethane	7.710	113	167572	54.707	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 109.420%		
50) Toluene-d8	10.172	98	614349	55.384	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 110.760%		
62) 4-Bromofluorobenzene	12.477	95	218053	52.952	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery	= 105.900%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	1722	Below Cal	#	92
16) Acetone	3.954	43	4206	2.969	ug/l	100
20) Methylene Chloride	4.698	84	10715	Below Cal		91
31) Cyclohexane	7.777	56	6727	1.116	ug/l	# 1
36) 1,1-Dichloropropene	7.777	75	24147	4.490	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	32016	5.764	ug/l	# 16
40) Benzene	8.155	78	312715	20.840	ug/l	99
52) Toluene	10.240	92	36942	3.841	ug/l	95
55) 1,1,2-Trichloroethane	10.618	97	3641	1.075	ug/l	# 18
59) 2-Hexanone	10.794	43	3260	1.042	ug/l	# 27
67) Ethyl Benzene	11.587	91	7889754	429.558	ug/l	94
68) m/p-Xylenes	11.703	106	1521484	213.710	ug/l	94
69) o-Xylene	12.026	106	1941735	285.384	ug/l	97
70) Styrene	12.026	104	127374	11.134	ug/l	# 1
73) Isopropylbenzene	12.325	105	734281	44.303	ug/l	99
74) N-amyl acetate	12.123	43	7810	1.403	ug/l	# 67
76) 1,2,3-Trichloropropane	12.733	75	13443	4.594	ug/l	# 100
78) n-propylbenzene	12.666	91	226465	11.292	ug/l	100
79) 2-Chlorotoluene	12.764	91	272526	24.228	ug/l	# 40
80) 1,3,5-Trimethylbenzene	12.806	105	1128777	81.424	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.325	75	8956	6.752	ug/l	# 68
82) 4-Chlorotoluene	12.806	91	122563	10.484	ug/l	# 40
83) tert-Butylbenzene	13.117	119	188376	15.514	ug/l	# 51
84) 1,2,4-Trimethylbenzene	13.117	105	1461533	106.182	ug/l	97
85) sec-Butylbenzene	13.117	105	1461533	80.700	ug/l	# 56
86) p-Isopropyltoluene	13.367	119	194457	12.811	ug/l	# 76
89) n-Butylbenzene	13.629	91	3508073	245.551	ug/l	# 44
90) Hexachloroethane	13.965	117	86557	31.884	ug/l	# 8
92) 1,2-Dibromo-3-Chloropr...	14.330	75	3515	4.491	ug/l	# 3
95) Naphthalene	15.233	128	17659068	1605.078	ug/l	# 88

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

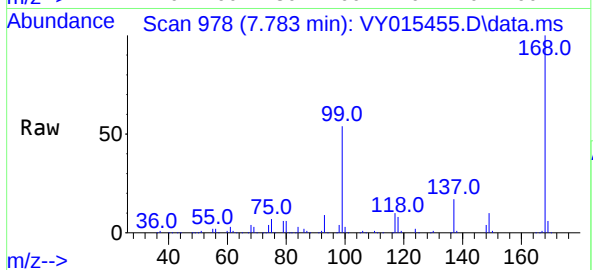
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration



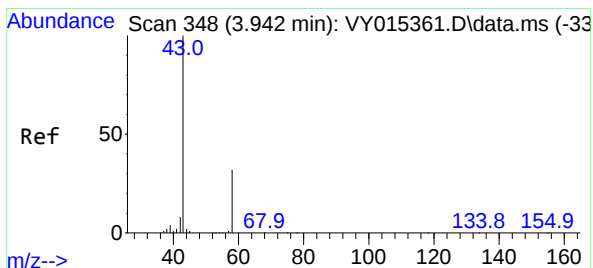
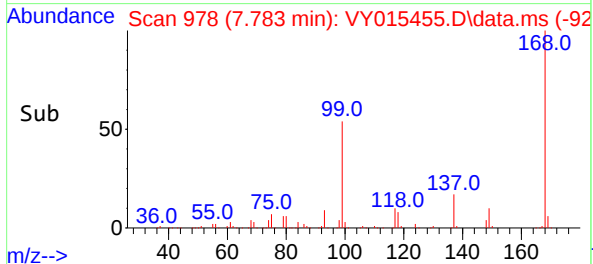
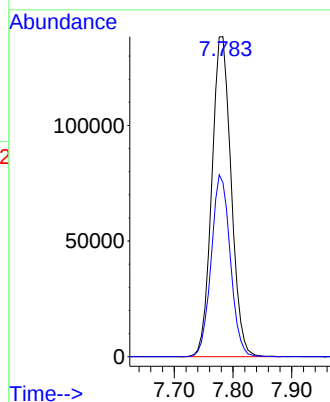


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

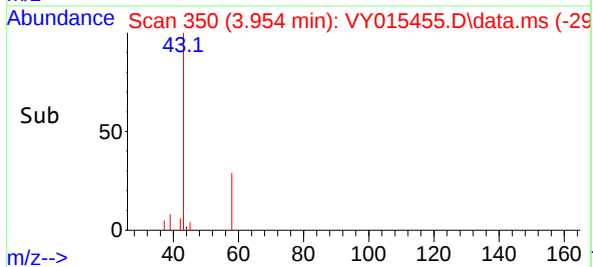
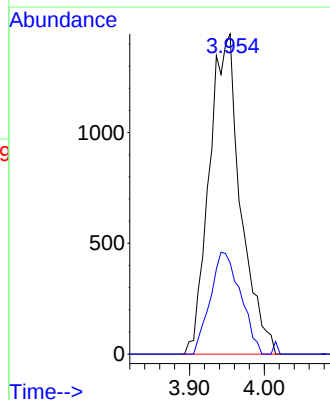
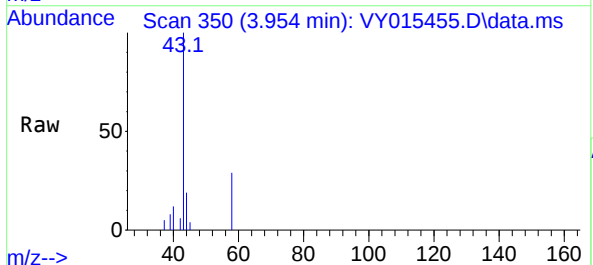


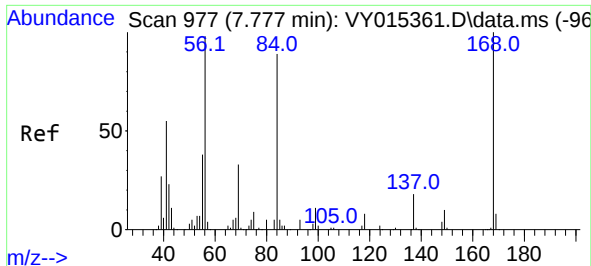
Tgt Ion:168 Resp: 316628
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#16
Acetone
Concen: 2.969 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

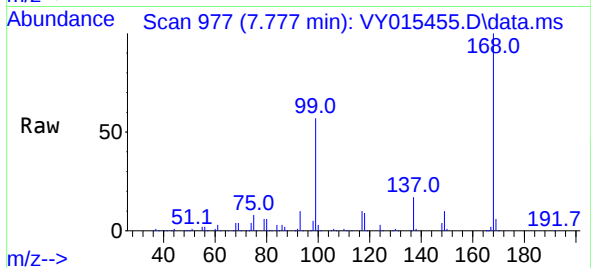
Tgt Ion: 43 Resp: 4206
Ion Ratio Lower Upper
43 100
58 28.5 22.7 34.1





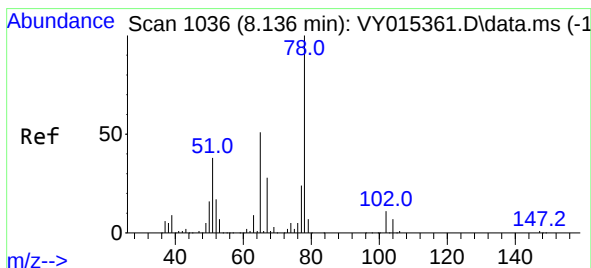
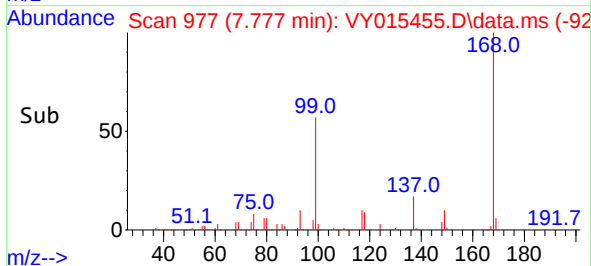
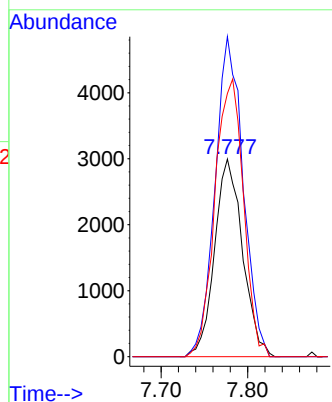
#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

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MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5



Tgt Ion: 56 Resp: 6727

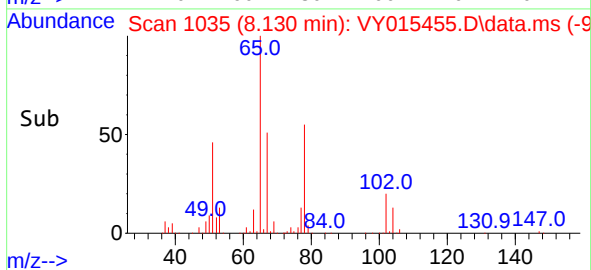
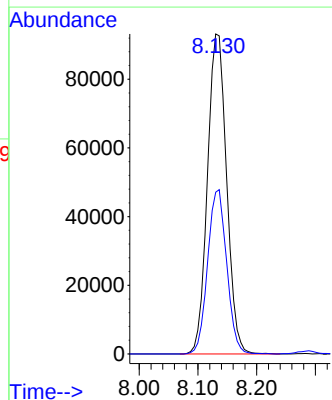
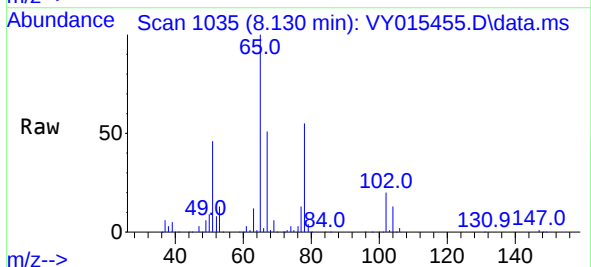
Ion	Ratio	Lower	Upper
56	100		
69	161.9	27.8	41.6#
84	133.2	66.4	99.6#

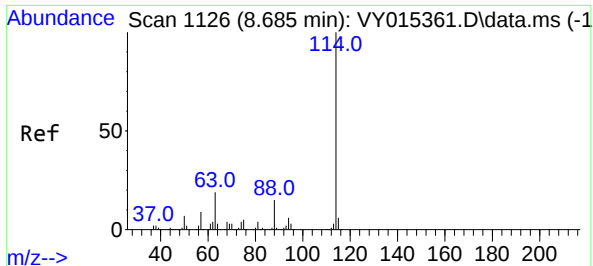


#33
1,2-Dichloroethane-d4
Concen: 62.132 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion: 65 Resp: 210890

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015455.D

Acq: 06 Sep 2023 17:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-7.0-7.5

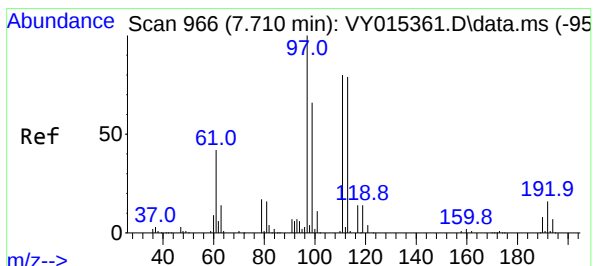
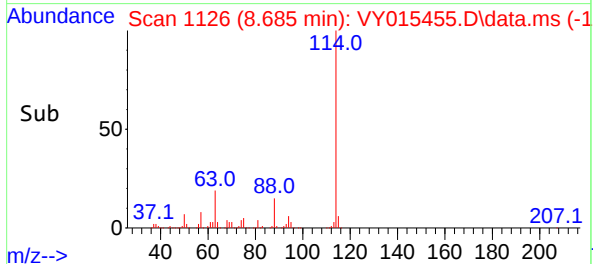
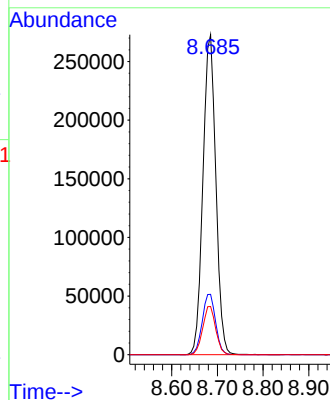
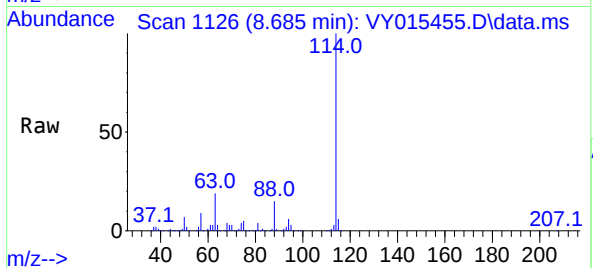
Tgt Ion:114 Resp: 531805

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.707 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015455.D

Acq: 06 Sep 2023 17:38

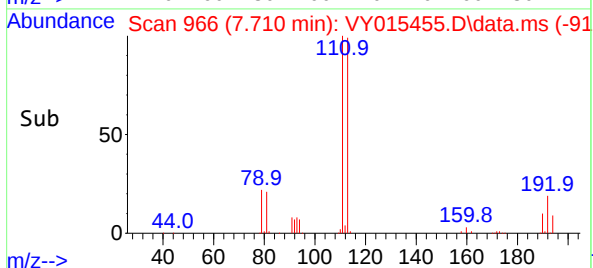
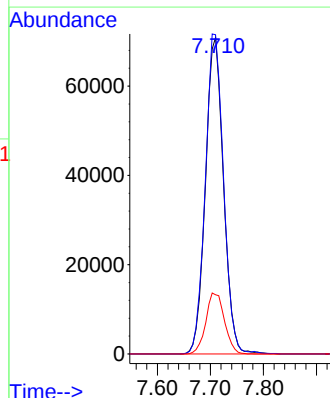
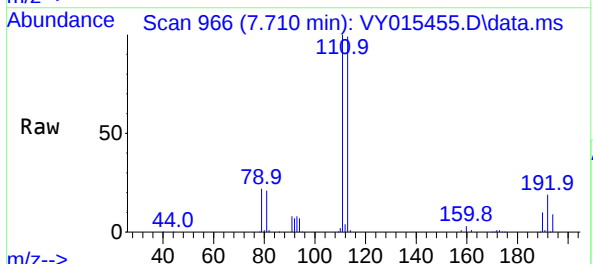
Tgt Ion:113 Resp: 167572

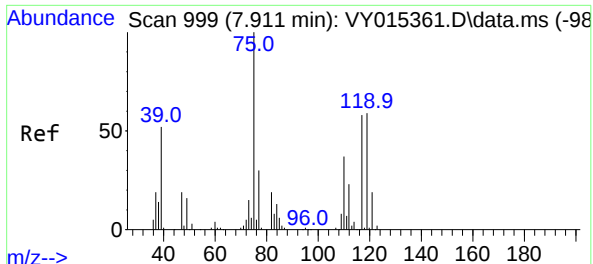
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 19.9 16.9 25.3

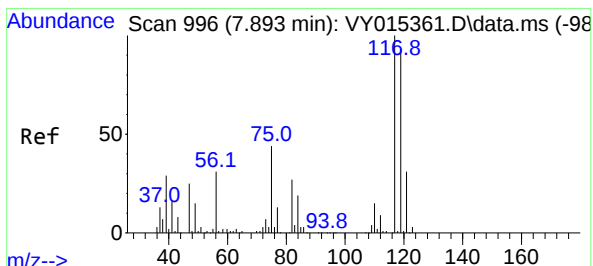
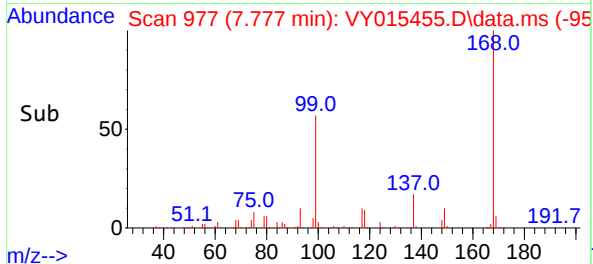
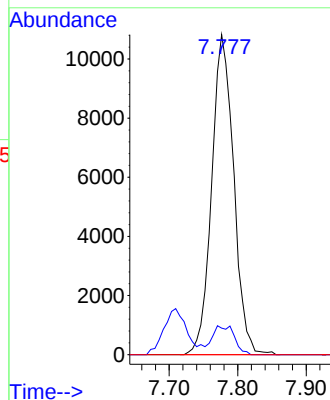
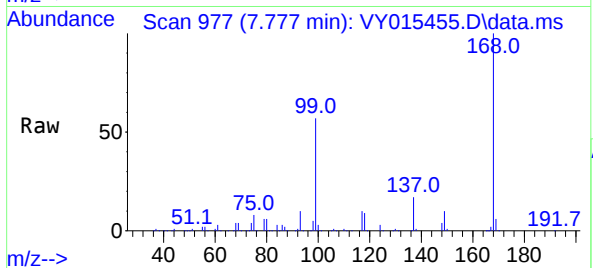




#36
1,1-Dichloropropene
Concen: 4.490 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

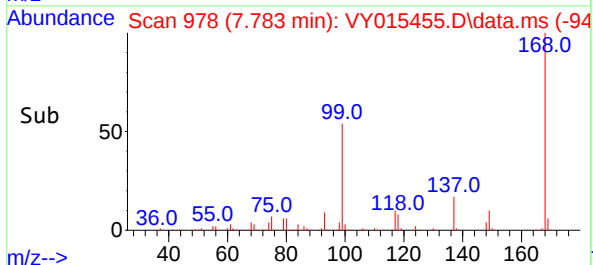
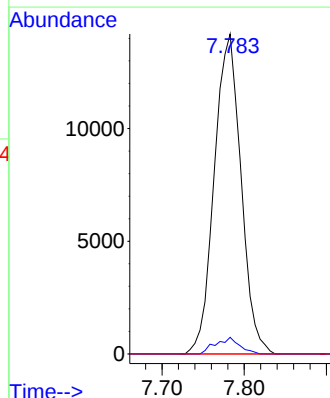
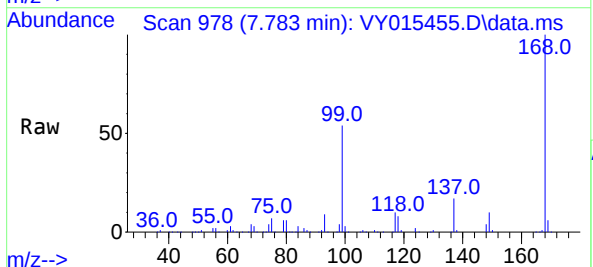
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

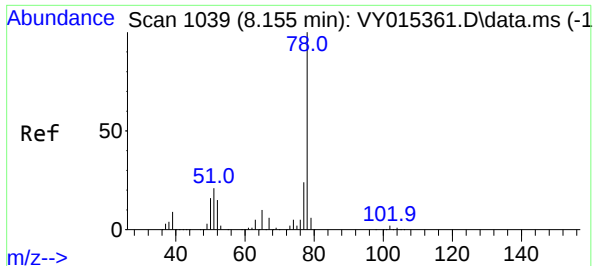
Tgt Ion: 75 Resp: 24147
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.764 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion: 117 Resp: 32016
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#

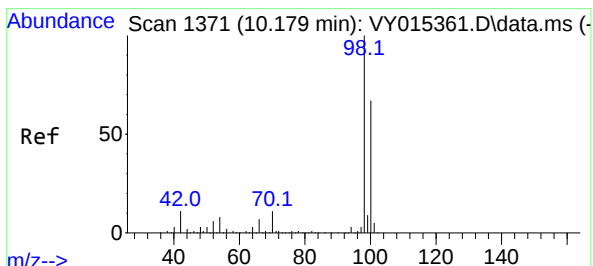
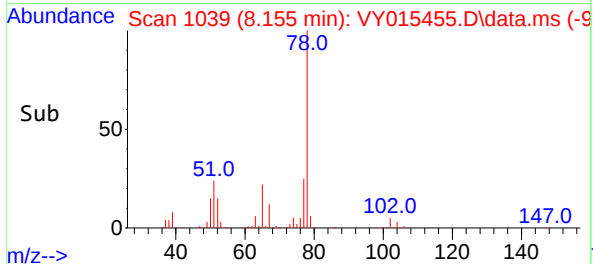
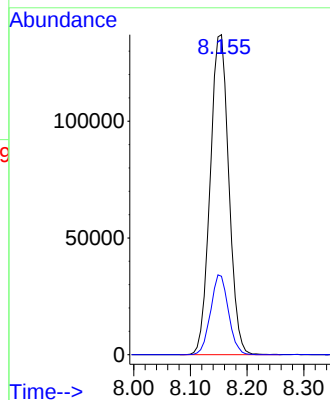
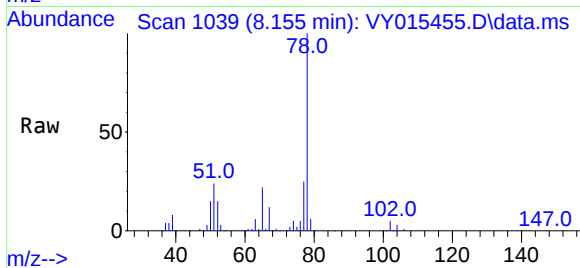




#40
Benzene
Concen: 20.840 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

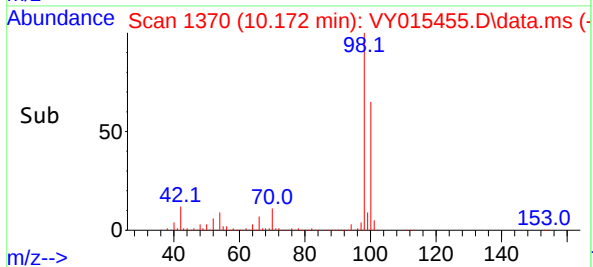
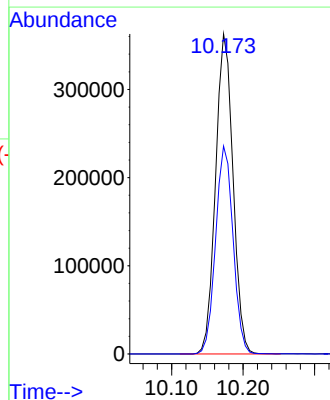
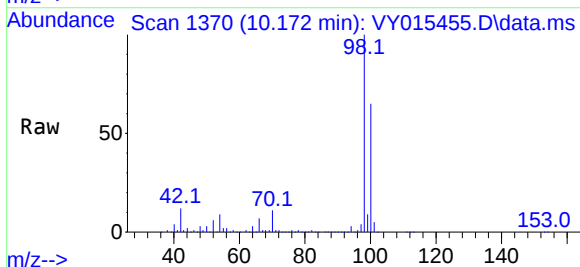
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SB-04-7.0-7.5

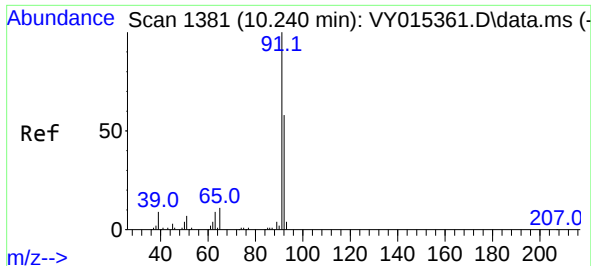
Tgt Ion: 78 Resp: 312715
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6



#50
Toluene-d8
Concen: 55.384 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion: 98 Resp: 614349
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

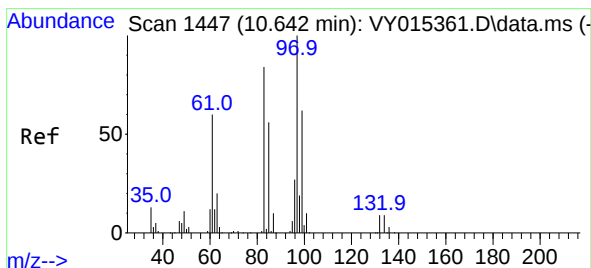
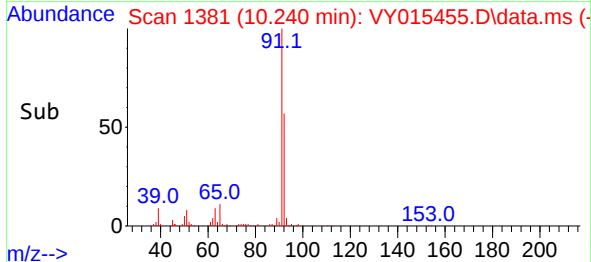
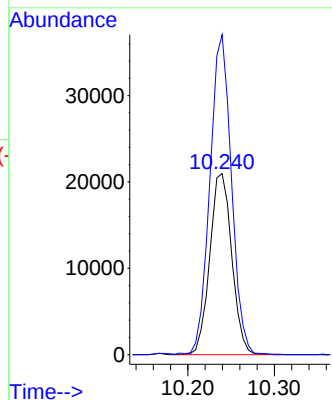
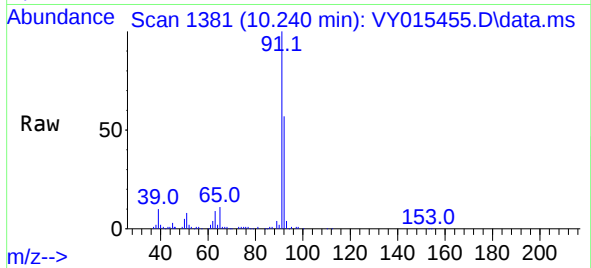




#52
Toluene
Concen: 3.841 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

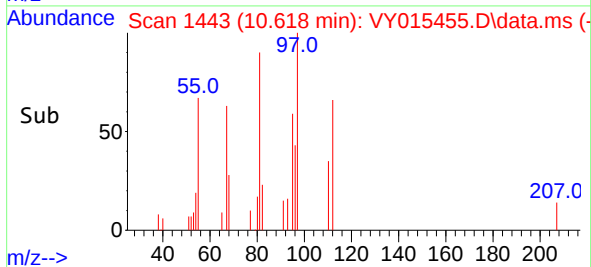
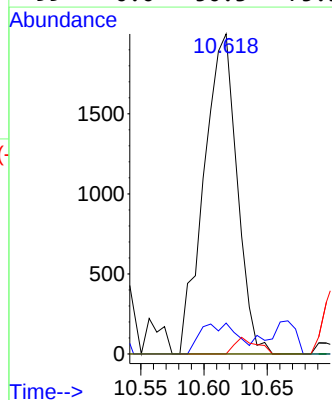
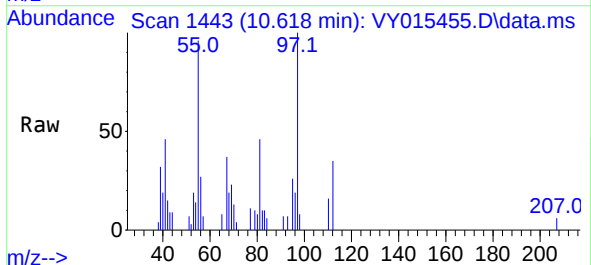
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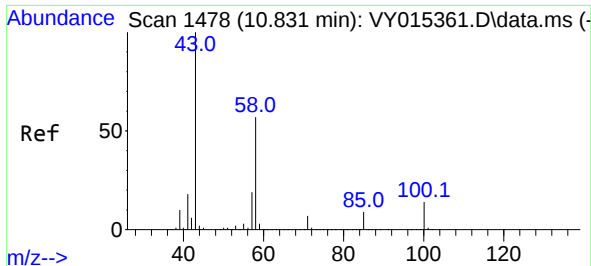
Tgt Ion: 92 Resp: 36942
Ion Ratio Lower Upper
92 100
91 173.3 143.8 215.6



#55
1,1,2-Trichloroethane
Concen: 1.075 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion: 97 Resp: 3641
Ion Ratio Lower Upper
97 100
83 9.7 72.0 108.0#
85 0.0 45.4 68.0#
99 0.0 50.3 75.5#

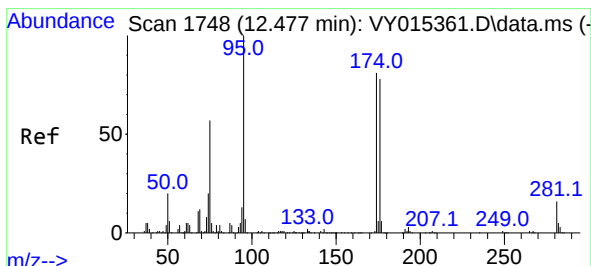
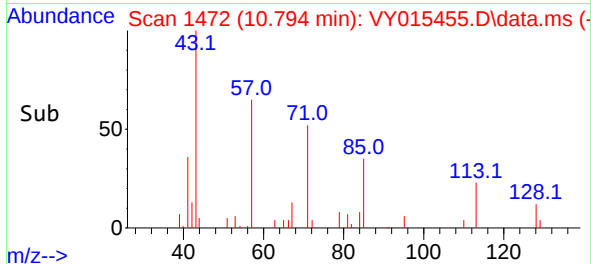
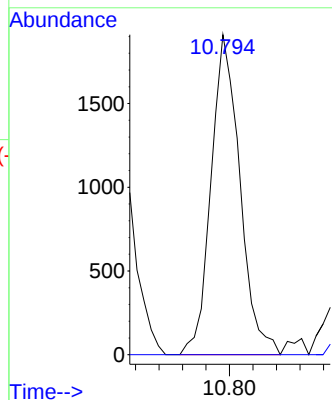
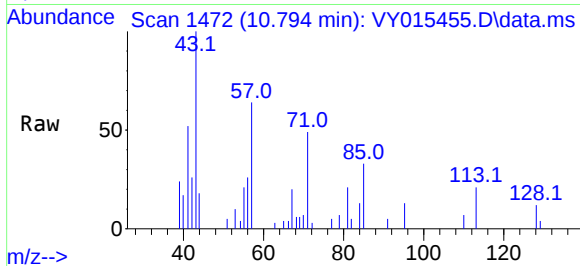




#59
2-Hexanone
Concen: 1.042 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.037 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

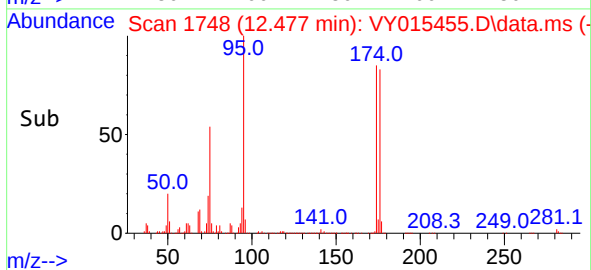
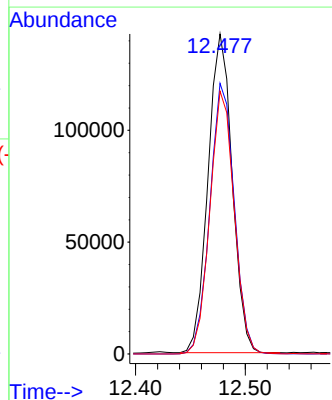
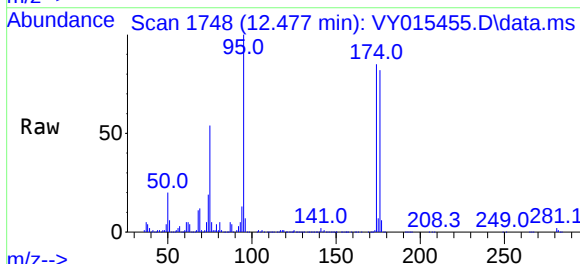
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MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

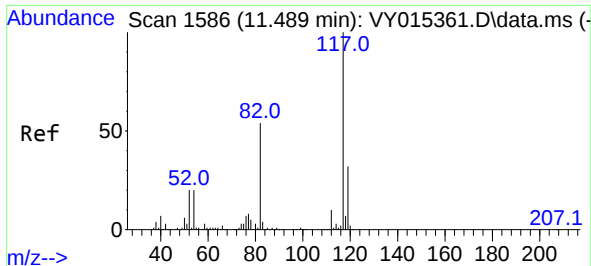
Tgt Ion: 43 Resp: 3260
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 52.952 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion: 95 Resp: 218053
Ion Ratio Lower Upper
95 100
174 85.8 0.0 178.2
176 83.0 0.0 173.8

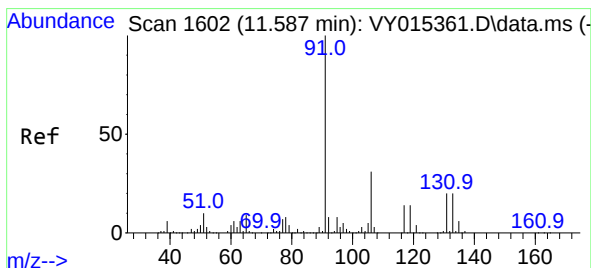
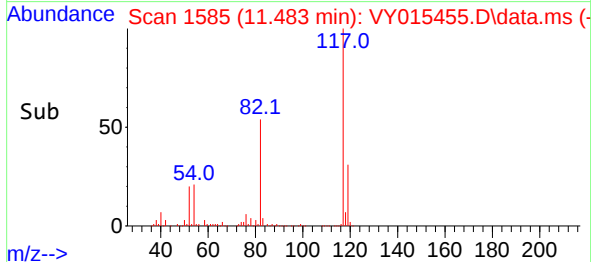
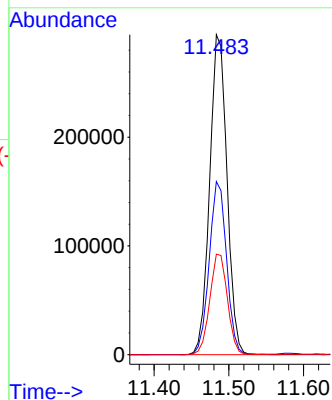
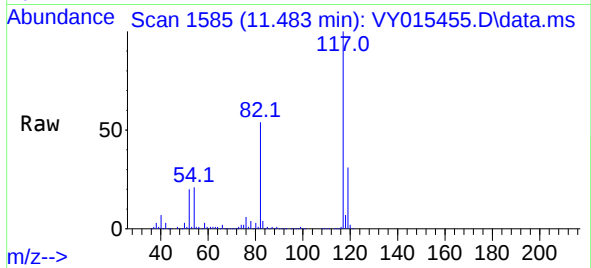




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

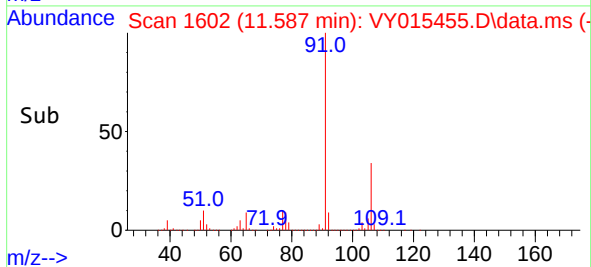
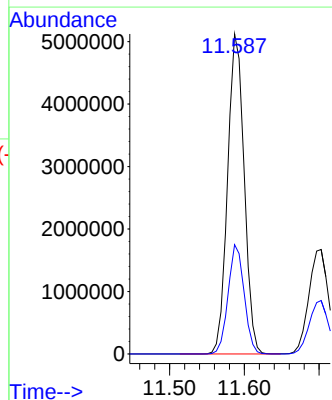
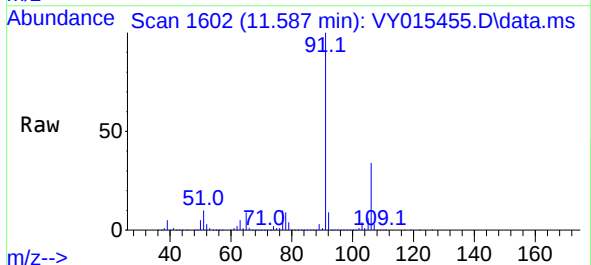
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

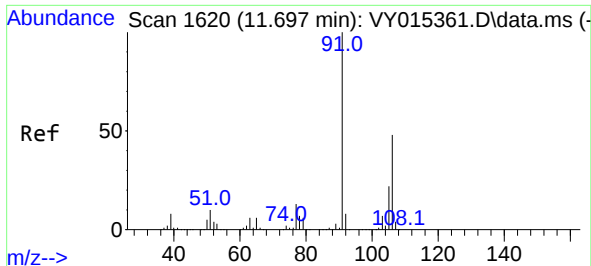
Tgt Ion:117 Resp: 474681
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.4 26.3 39.5



#67
Ethyl Benzene
Concen: 429.558 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion: 91 Resp: 7889754
Ion Ratio Lower Upper
91 100
106 34.2 24.6 36.8

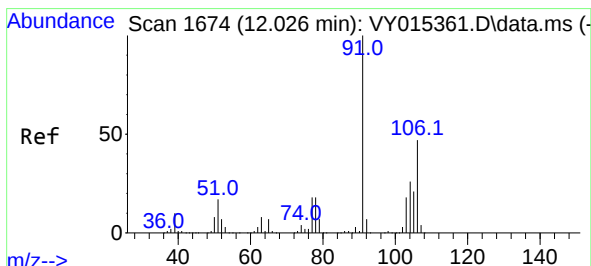
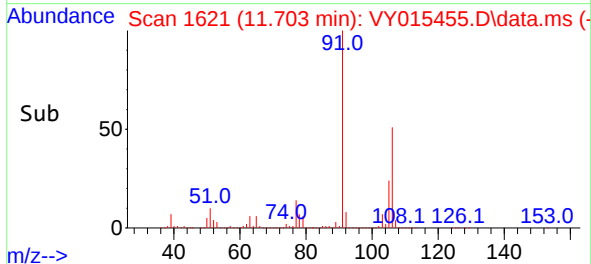
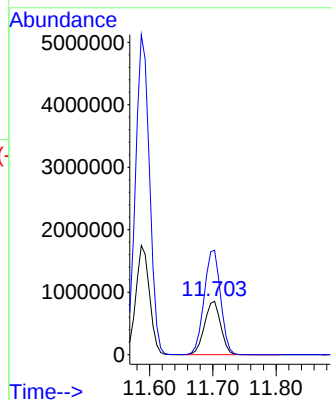
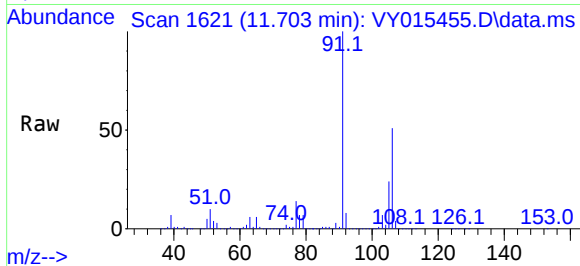




#68
m/p-Xylenes
Concen: 213.710 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

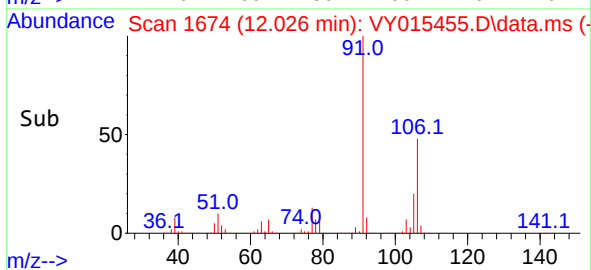
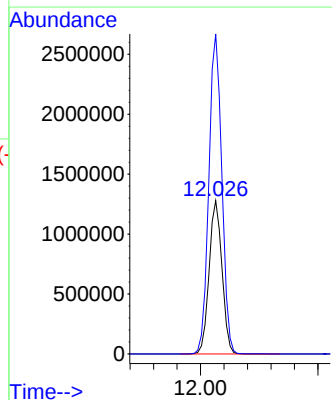
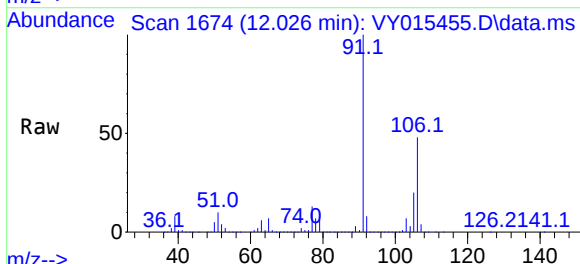
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

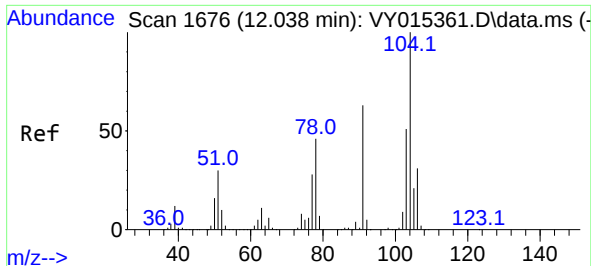
Tgt Ion:106 Resp: 1521484
Ion Ratio Lower Upper
106 100
91 199.0 166.1 249.1



#69
o-Xylene
Concen: 285.384 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion:106 Resp: 1941735
Ion Ratio Lower Upper
106 100
91 210.8 108.1 324.3

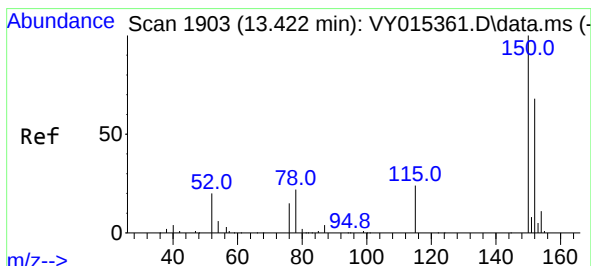
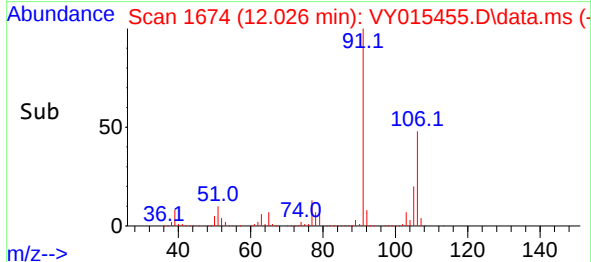
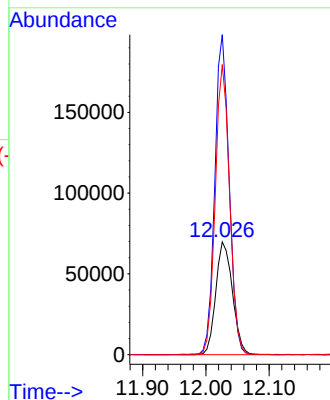
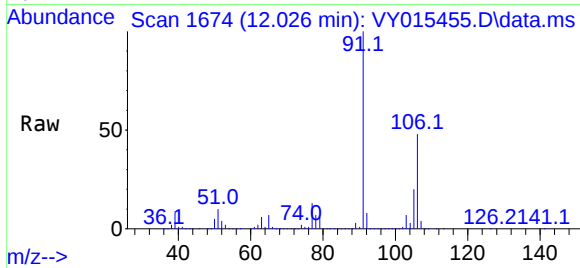




#70
Styrene
Concen: 11.134 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

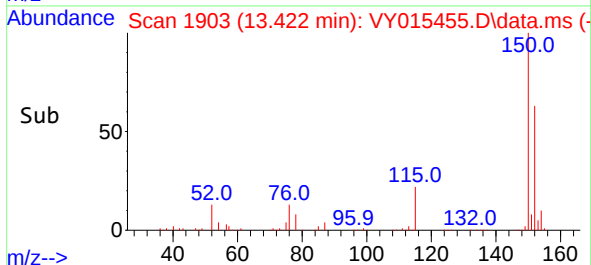
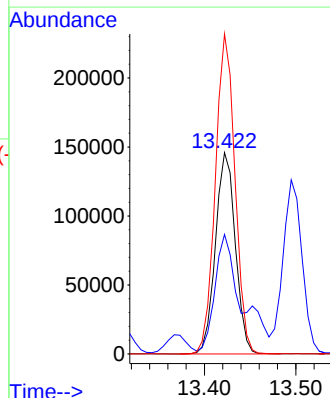
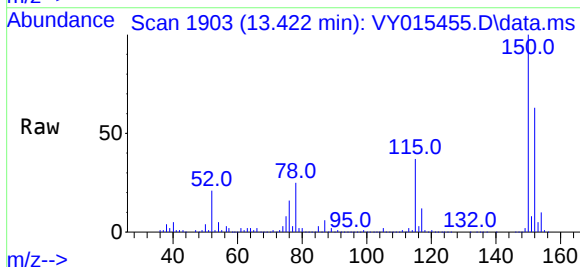
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

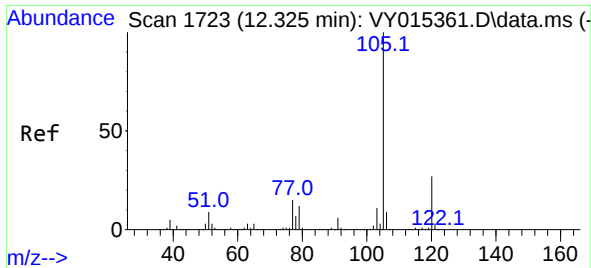
Tgt Ion:104 Resp: 127374
Ion Ratio Lower Upper
104 100
78 244.4 41.5 62.3#
103 222.0 44.6 67.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion:152 Resp: 220653
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.5#
150 156.9 0.0 348.8

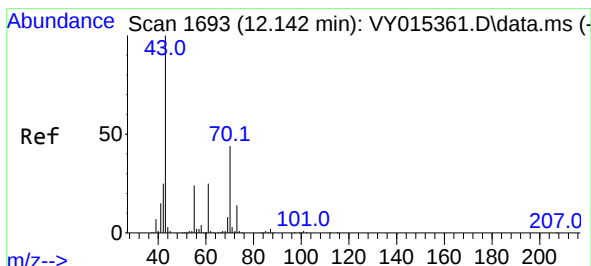
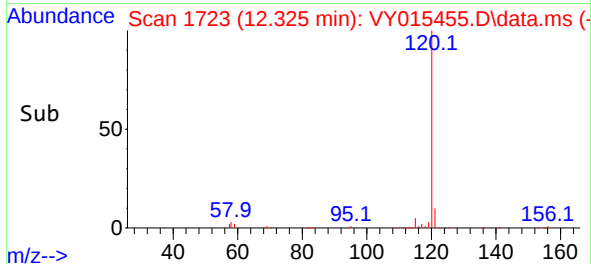
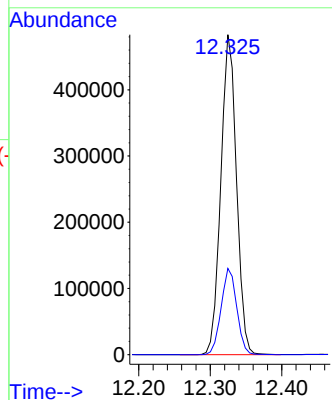
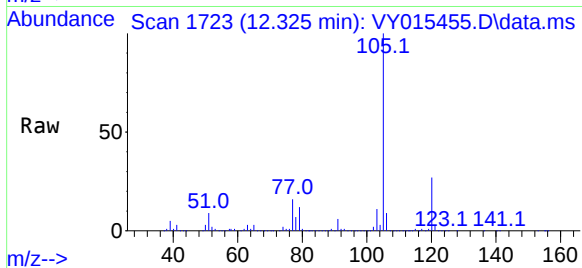




#73
Isopropylbenzene
Concen: 44.303 ug/l
RT: 12.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

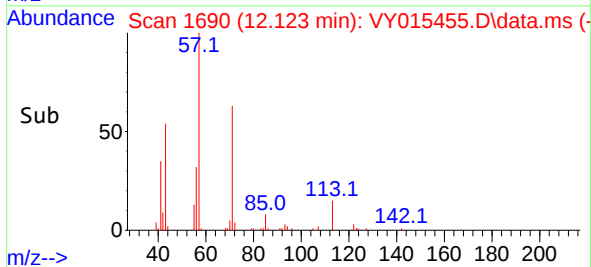
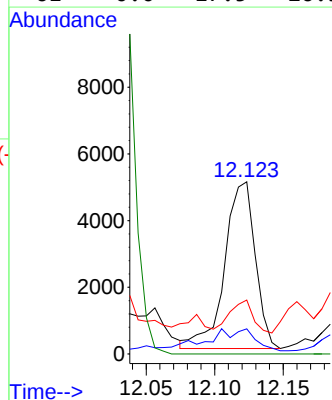
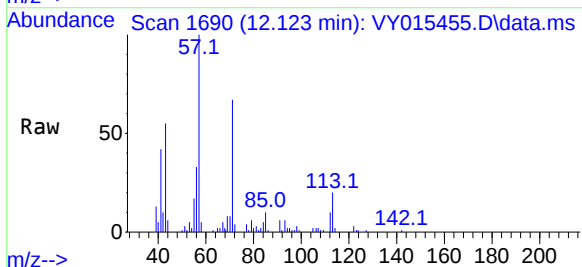
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

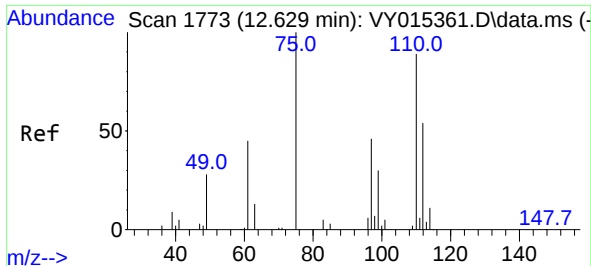
Tgt Ion:105 Resp: 734281
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9



#74
N-ethyl acetate
Concen: 1.403 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion: 43 Resp: 7810
Ion Ratio Lower Upper
43 100
70 15.9 29.7 44.5#
55 14.8 18.3 27.5#
61 0.0 17.5 26.3#

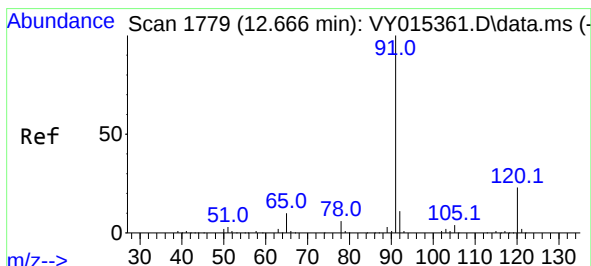
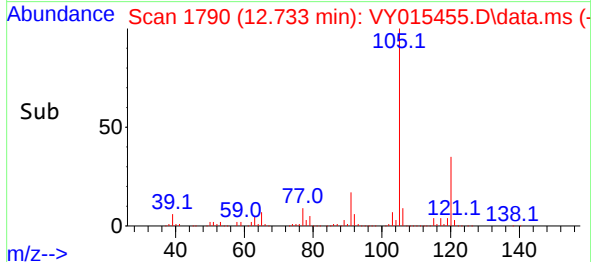
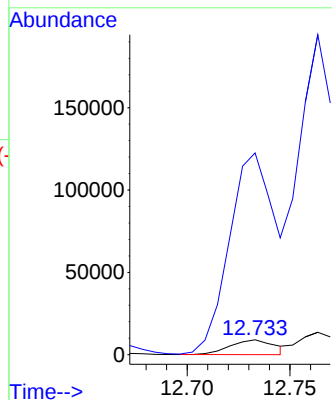
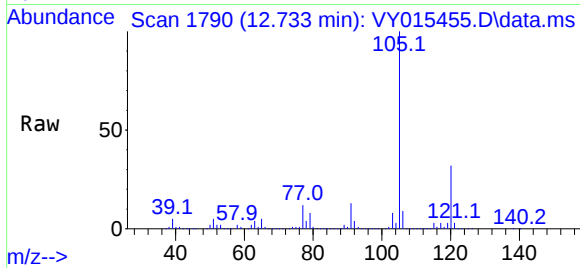




#76
1,2,3-Trichloropropane
Concen: 4.594 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. 0.104 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

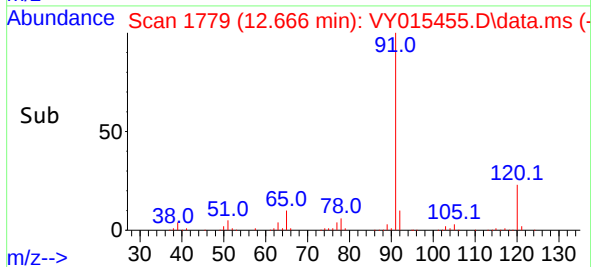
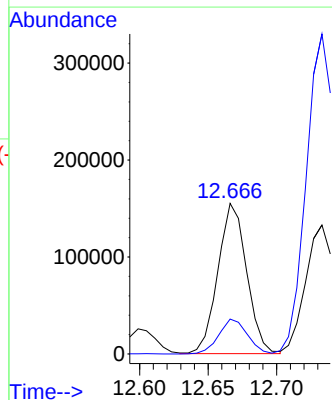
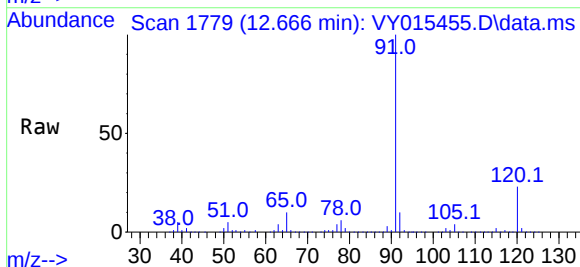
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

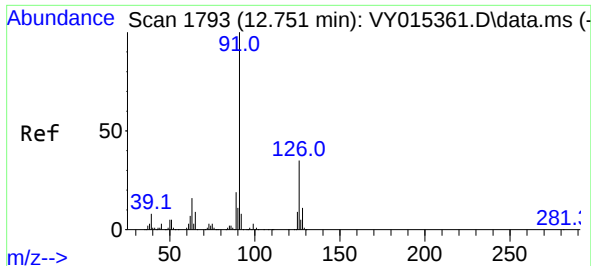
Tgt Ion: 75 Resp: 13443
Ion Ratio Lower Upper
75 100
77 1404.0 0.0 0.0#



#78
n-propylbenzene
Concen: 11.292 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion: 91 Resp: 226465
Ion Ratio Lower Upper
91 100
120 23.1 11.5 34.4

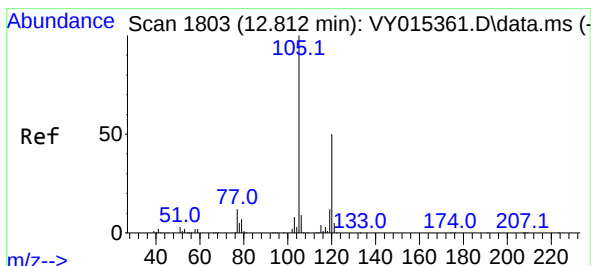
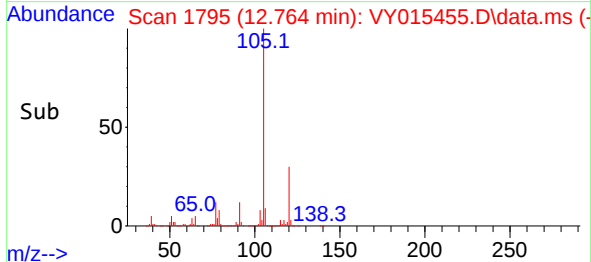
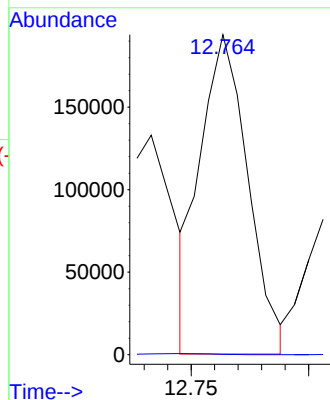
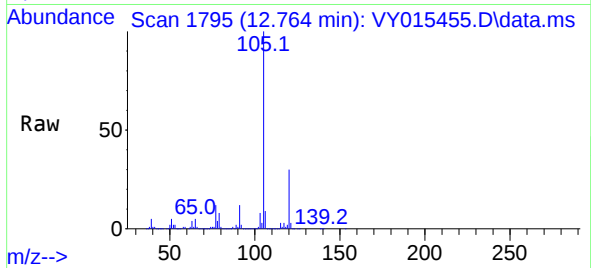




#79
2-Chlorotoluene
Concen: 24.228 ug/l
RT: 12.764 min Scan# 1795
Delta R.T. 0.012 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

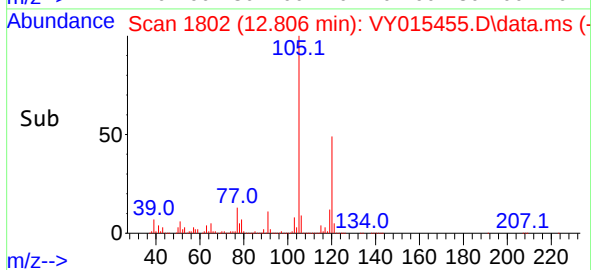
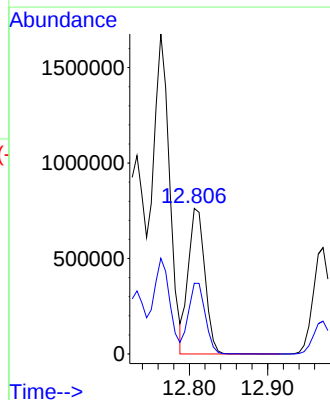
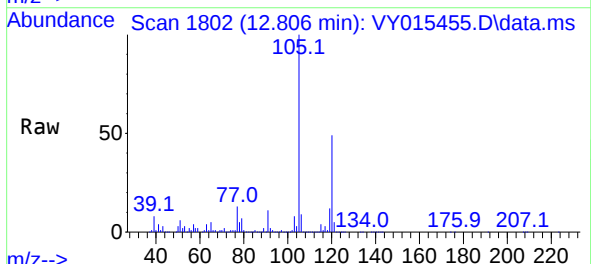
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

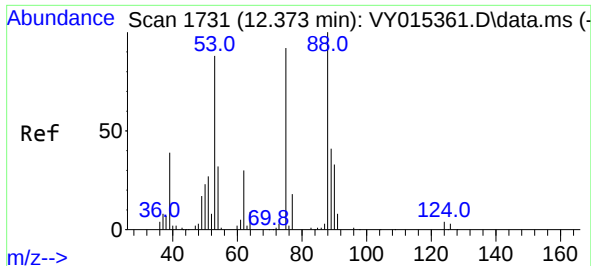
Tgt Ion: 91 Resp: 272526
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.7#



#80
1,3,5-Trimethylbenzene
Concen: 81.424 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion: 105 Resp: 1128777
Ion Ratio Lower Upper
105 100
120 49.2 23.9 71.7

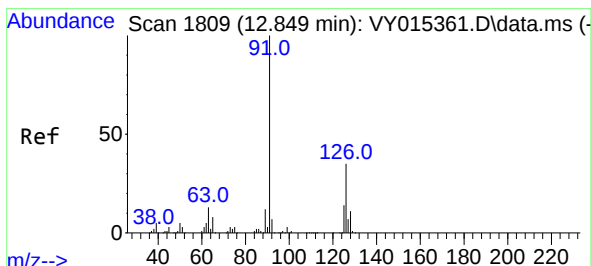
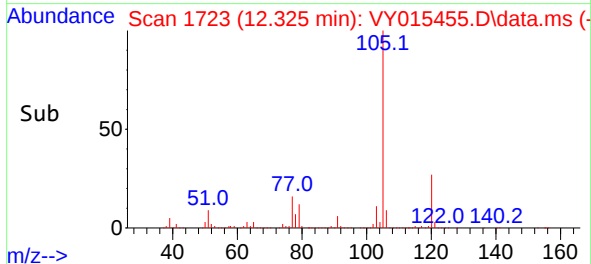
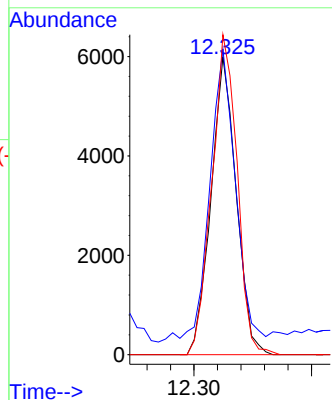
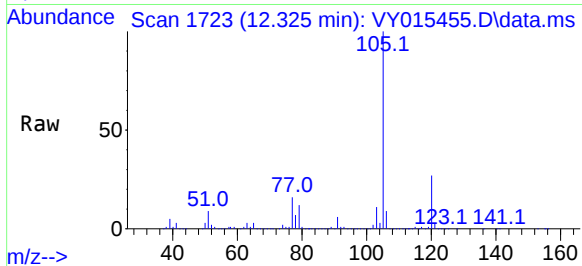




#81
trans-1,4-Dichloro-2-butene
Concen: 6.752 ug/l
RT: 12.325 min Scan# 11
Delta R.T. -0.055 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

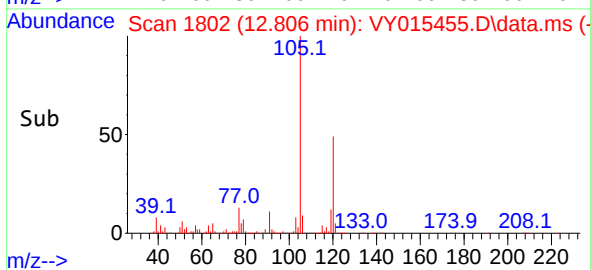
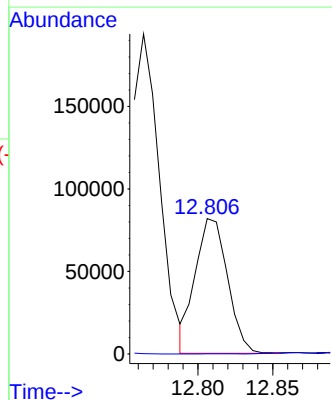
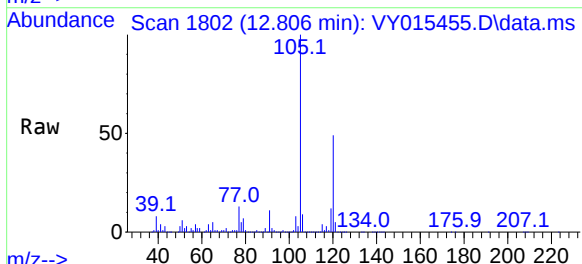
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

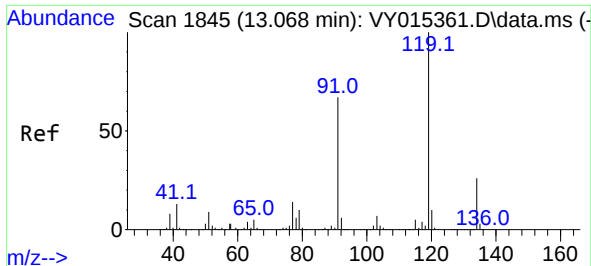
Tgt Ion: 75 Resp: 8956
Ion Ratio Lower Upper
75 100
53 100.4 77.8 116.8
89 107.8 37.4 56.0#



#82
4-Chlorotoluene
Concen: 10.484 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.043 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion: 91 Resp: 122563
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#

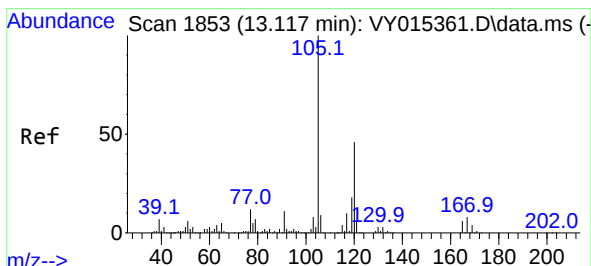
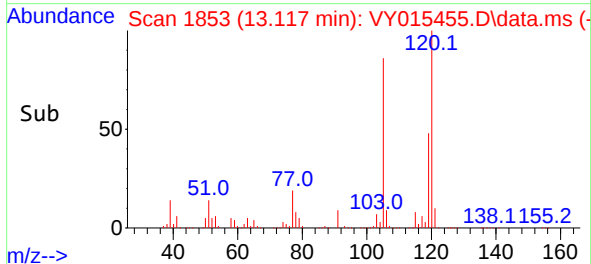
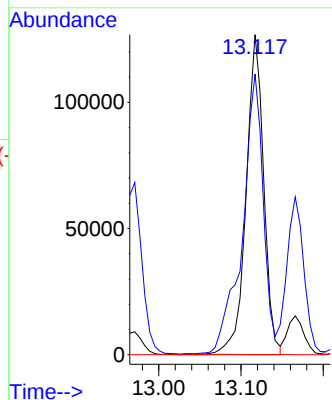
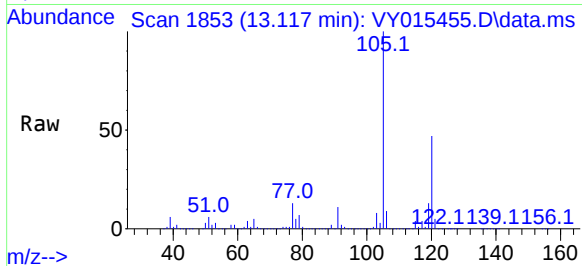




#83
tert-Butylbenzene
Concen: 15.514 ug/l
RT: 13.117 min Scan# 1845
Delta R.T. 0.043 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

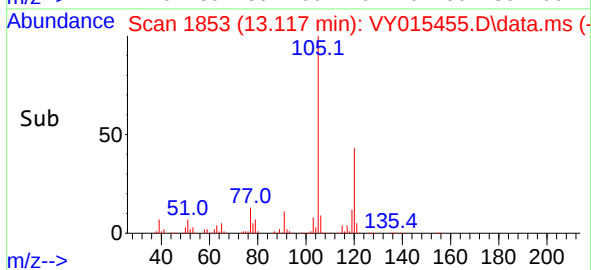
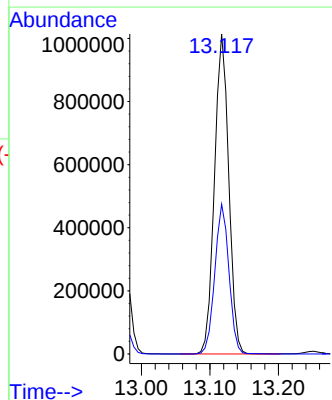
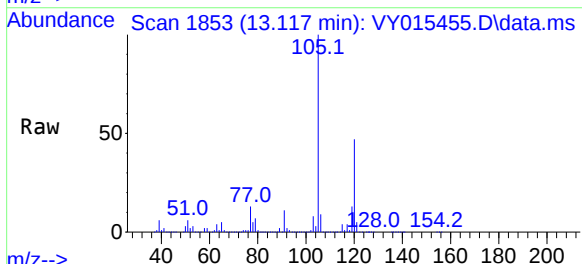
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

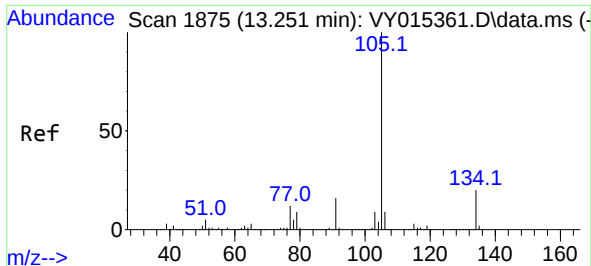
Tgt Ion:119 Resp: 188376
Ion Ratio Lower Upper
119 100
91 104.1 32.9 98.6#
134 0.0 13.0 38.9#



#84
1,2,4-Trimethylbenzene
Concen: 106.182 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion:105 Resp: 1461533
Ion Ratio Lower Upper
105 100
120 46.4 22.2 66.6

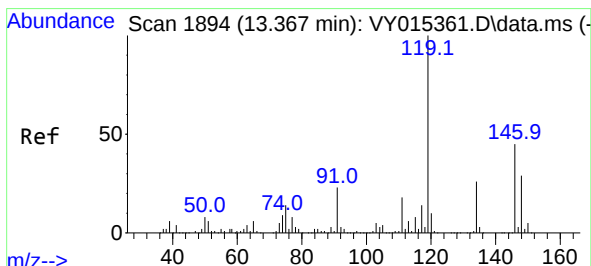
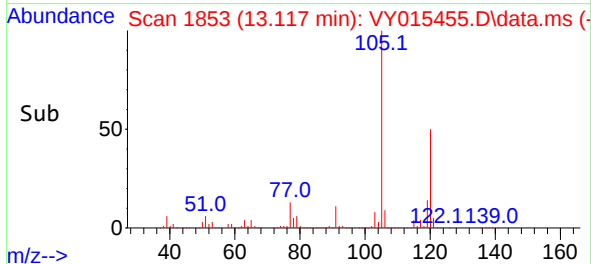
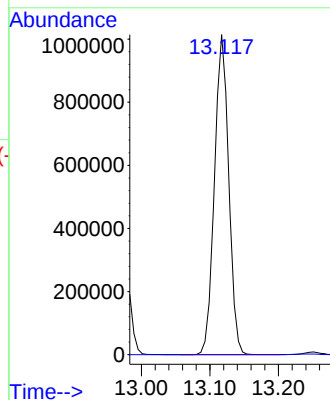
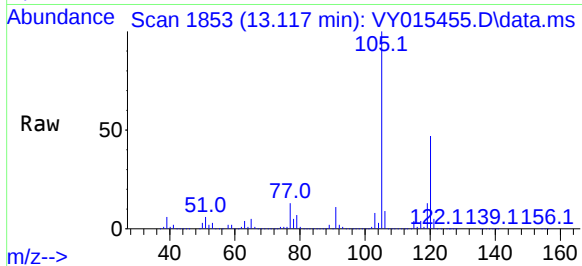




#85
 sec-Butylbenzene
 Concen: 80.700 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.134 min
 Lab File: VY015455.D
 Acq: 06 Sep 2023 17:38

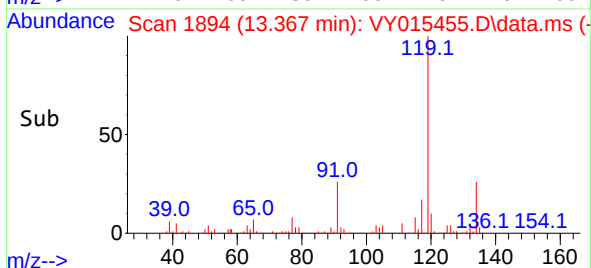
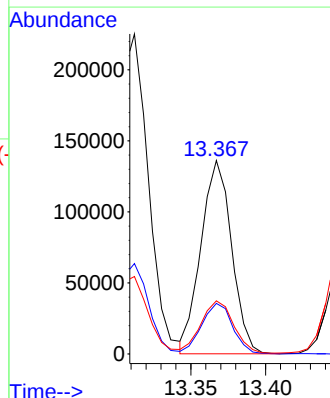
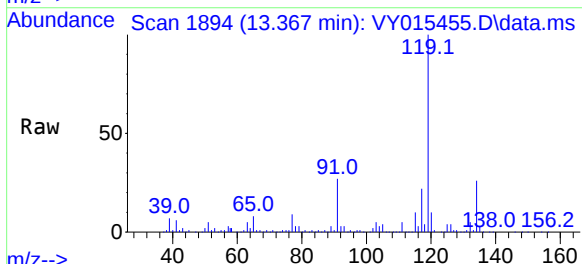
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-7.0-7.5

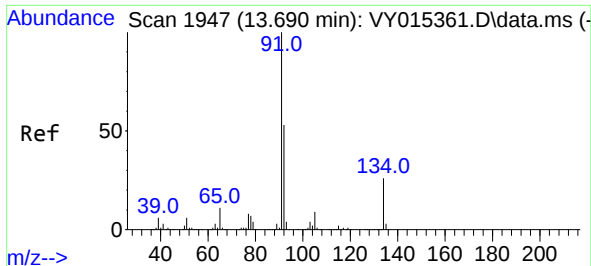
Tgt Ion:105 Resp: 1461533
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.6#



#86
 p-Isopropyltoluene
 Concen: 12.811 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.000 min
 Lab File: VY015455.D
 Acq: 06 Sep 2023 17:38

Tgt Ion:119 Resp: 194457
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 0.0 12.4 37.4#





#89

n-Butylbenzene

Concen: 245.551 ug/l

RT: 13.629 min Scan# 1947

Delta R.T. -0.067 min

Lab File: VY015455.D

Acq: 06 Sep 2023 17:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-7.0-7.5

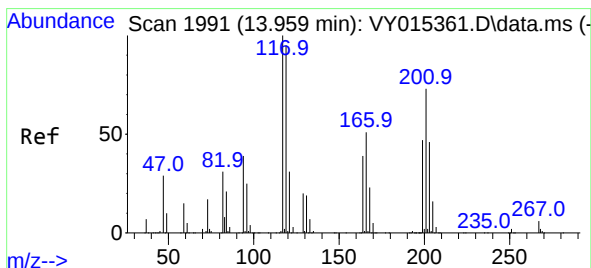
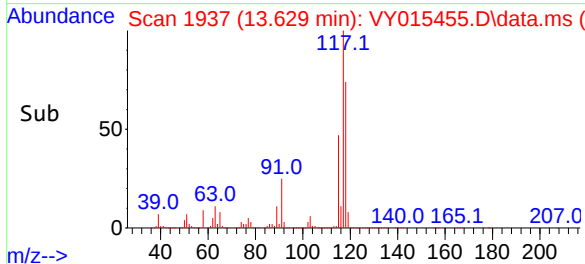
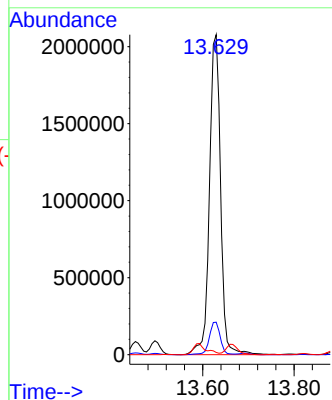
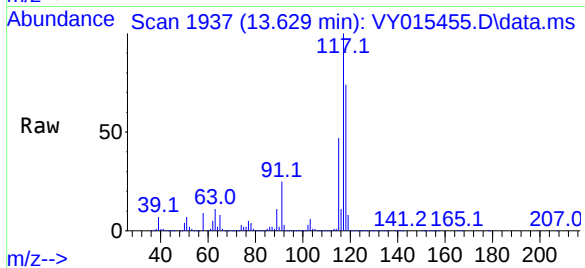
Tgt Ion: 91 Resp: 3508073

Ion Ratio Lower Upper

91 100

92 10.0 25.4 76.0#

134 0.0 12.6 37.6#



#90

Hexachloroethane

Concen: 31.884 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY015455.D

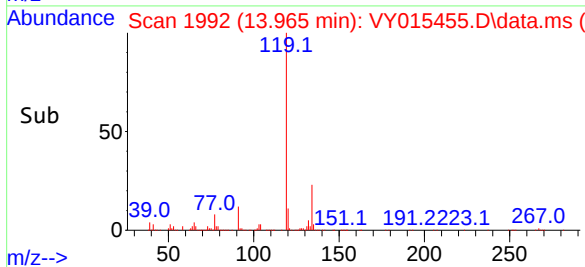
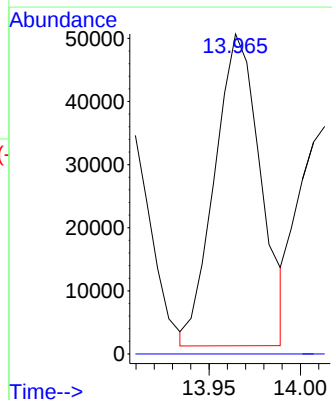
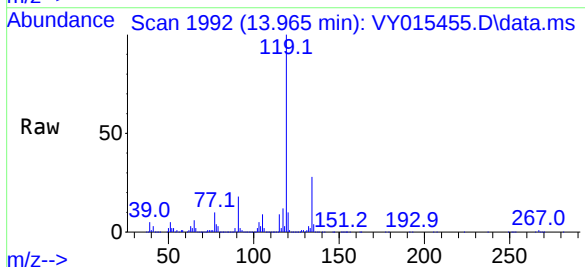
Acq: 06 Sep 2023 17:38

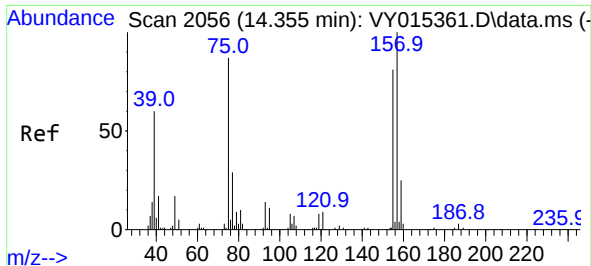
Tgt Ion: 117 Resp: 86557

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#

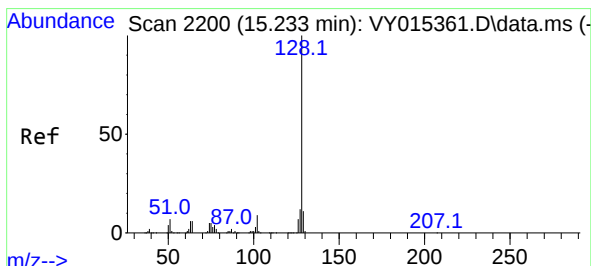
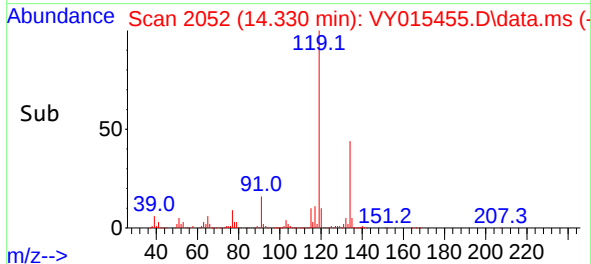
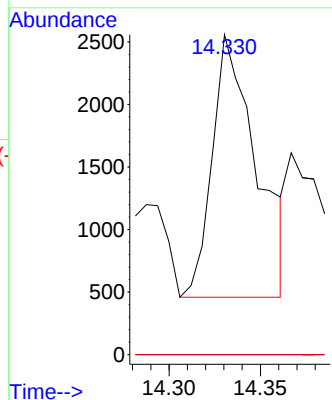
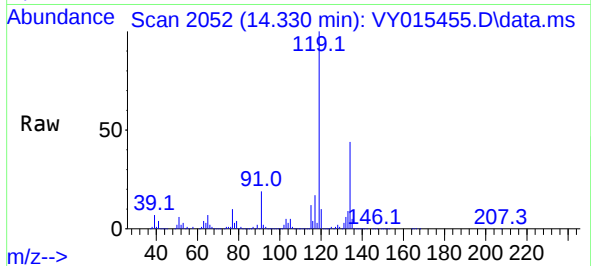




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.491 ug/l
RT: 14.330 min Scan# 2056
Delta R.T. -0.024 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-7.0-7.5

Tgt Ion: 75 Resp: 3515
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#



#95
Naphthalene
Concen: 1605.078 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY015455.D
Acq: 06 Sep 2023 17:38

Tgt Ion:128 Resp:17659068
Ion Ratio Lower Upper
128 100
127 17.7 10.8 16.2#
129 15.6 8.6 13.0#

