

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015031.D
 Acq On : 10 Aug 2023 16:39
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 11 01:57:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

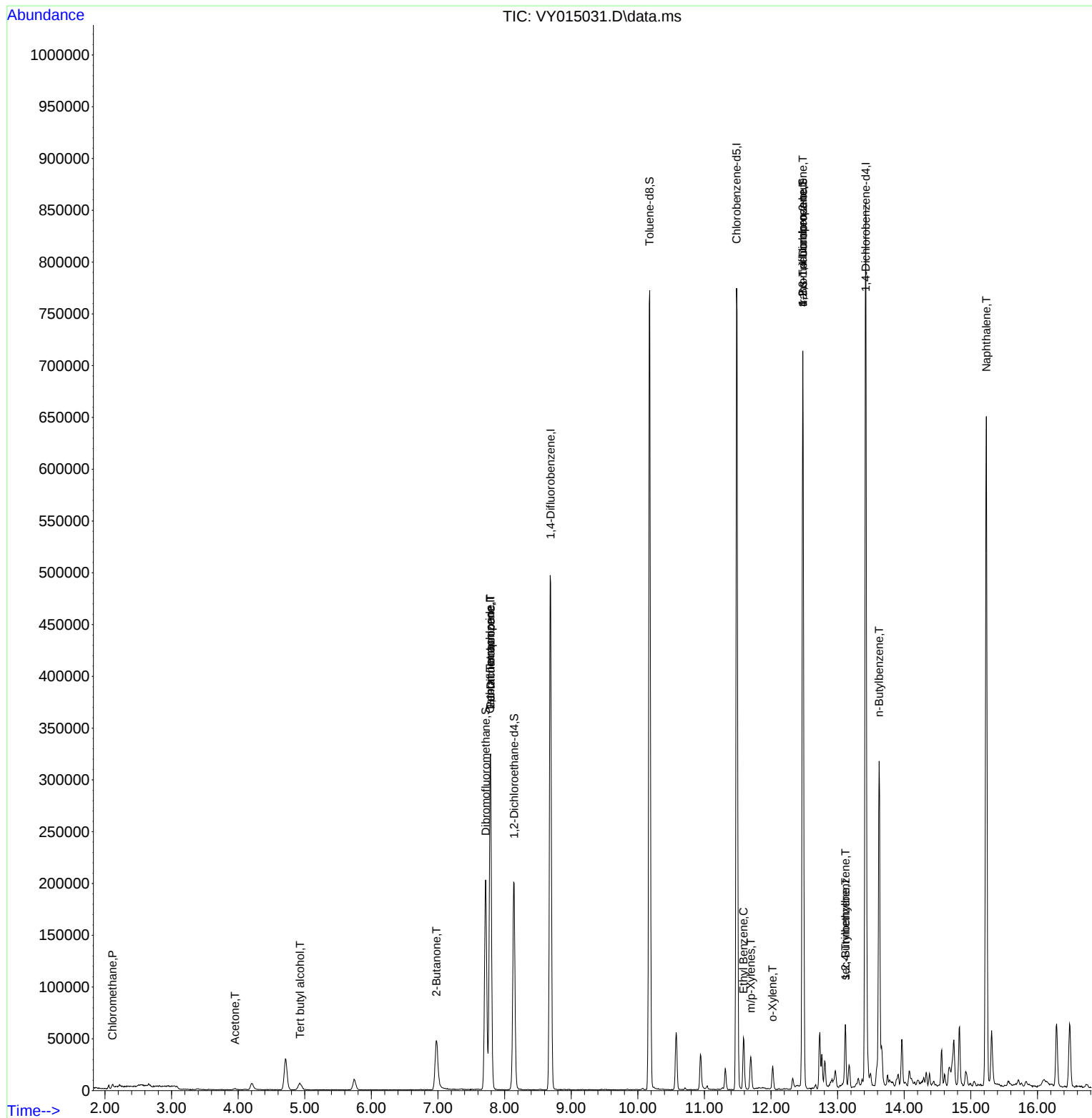
Internal Standards						
1) Pentafluorobenzene	7.789	168	257932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	436587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	426846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	218301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	154789	49.513	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.020%
35) Dibromofluoromethane	7.716	113	139712	50.042	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.080%
50) Toluene-d8	10.179	98	520814	49.011	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.020%
62) 4-Bromofluorobenzene	12.477	95	205411	54.540	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.080%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	2082	1.026	ug/l	96
5) Bromomethane	2.656	94	1304	Below Cal		83
11) Tert butyl alcohol	4.930	59	6870	9.106	ug/l #	91
16) Acetone	3.954	43	1832	1.879	ug/l #	71
20) Methylene Chloride	4.710	84	22592	Below Cal		91
25) 2-Butanone	6.978	43	3038	2.176	ug/l	92
31) Cyclohexane	7.789	56	5135	Below Cal	#	4
36) 1,1-Dichloropropene	7.789	75	18860	5.441	ug/l #	50
38) Carbon Tetrachloride	7.783	117	25512	6.547	ug/l #	16
67) Ethyl Benzene	11.587	91	35596	2.504	ug/l	95
68) m/p-Xylenes	11.697	106	10102	1.858	ug/l	93
69) o-Xylene	12.026	106	5978	1.124	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	108566	41.505	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	108566	91.436	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.117	105	32797	2.707	ug/l	97
85) sec-Butylbenzene	13.117	105	32797	2.020	ug/l #	56
89) n-Butylbenzene	13.623	91	32335	2.561	ug/l #	44
95) Naphthalene	15.233	128	525854	54.314	ug/l	99

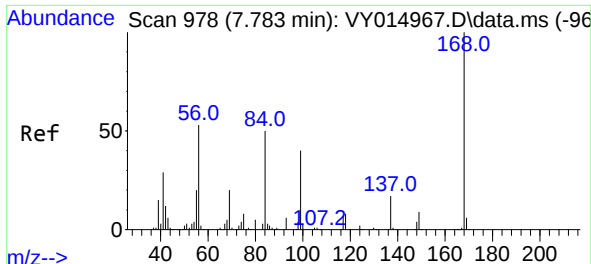
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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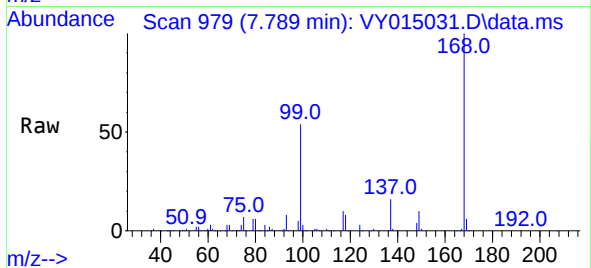
Quant Time: Aug 11 01:57:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 08 07:44:56 2023
Response via : Initial Calibration



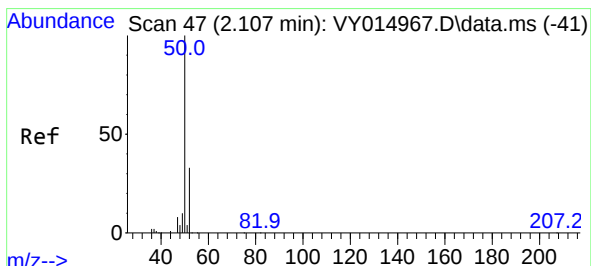
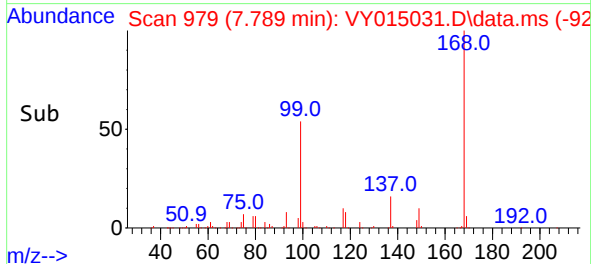
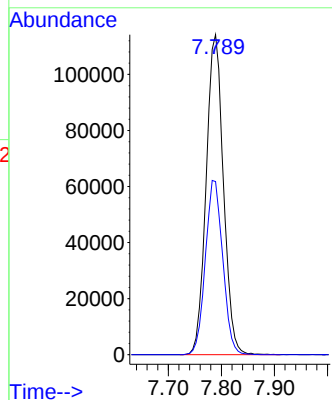


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

Instrument :
MSVOA_Y
ClientSampleId :

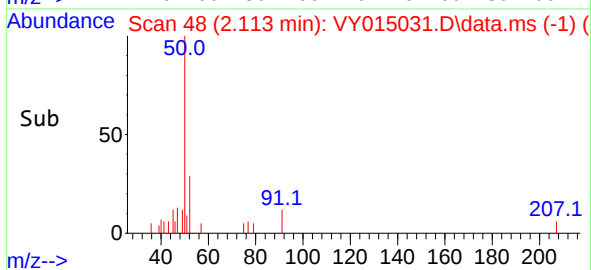
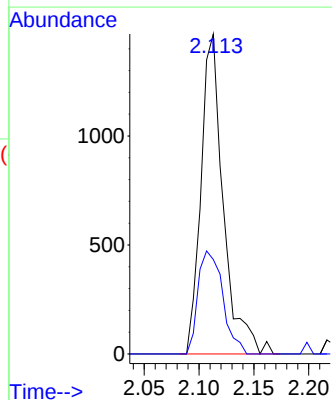
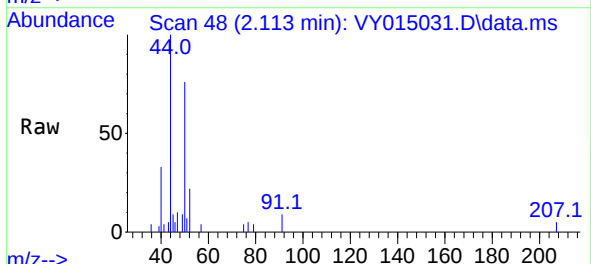


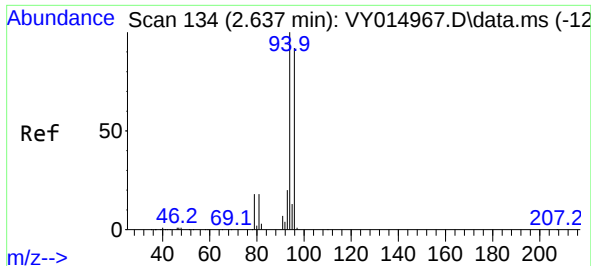
Tgt Ion:168 Resp: 257932
Ion Ratio Lower Upper
168 100
99 54.1 43.4 65.0



#3
Chloromethane
Concen: 1.026 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

Tgt Ion: 50 Resp: 2082
Ion Ratio Lower Upper
50 100
52 29.5 25.4 38.2

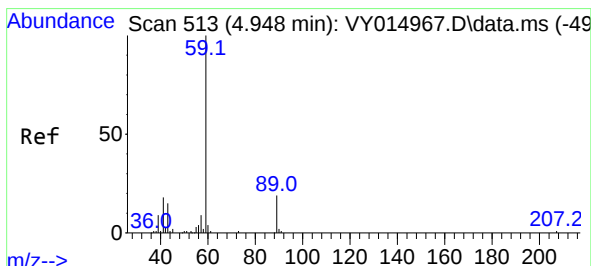
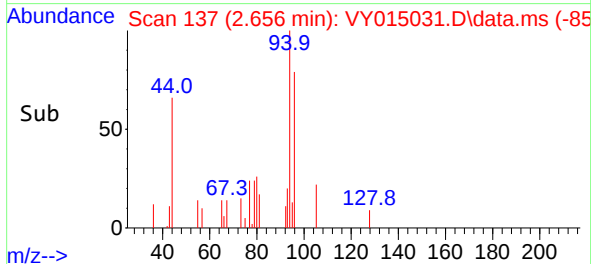
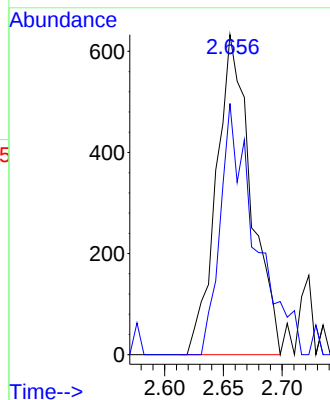
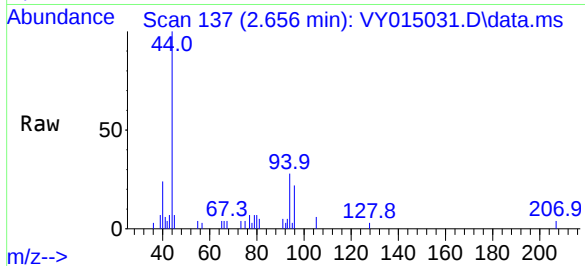




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

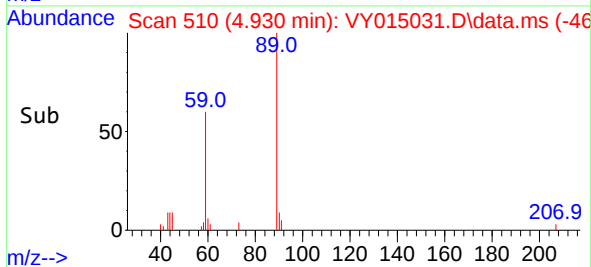
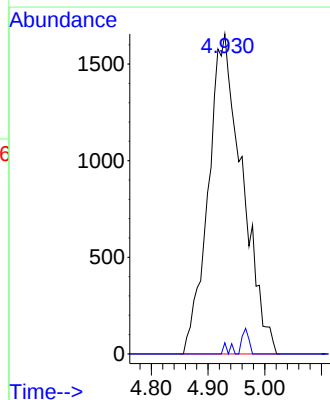
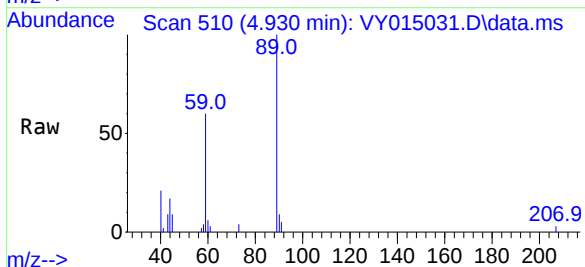
Instrument :
MSVOA_Y
ClientSampleId :

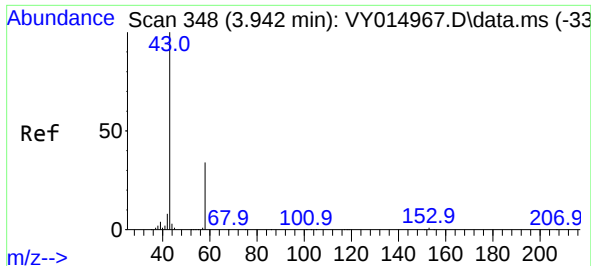
Tgt Ion: 94 Resp: 1304
Ion Ratio Lower Upper
94 100
96 78.5 75.8 113.6



#11
Tert butyl alcohol
Concen: 9.106 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

Tgt Ion: 59 Resp: 6870
Ion Ratio Lower Upper
59 100
57 0.6 3.0 4.4#

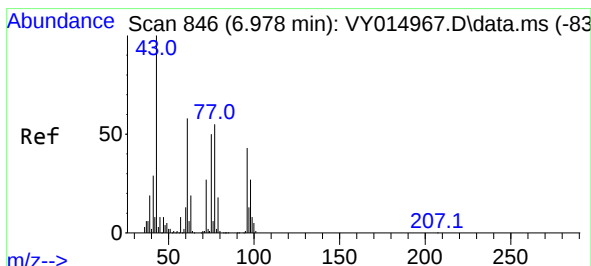
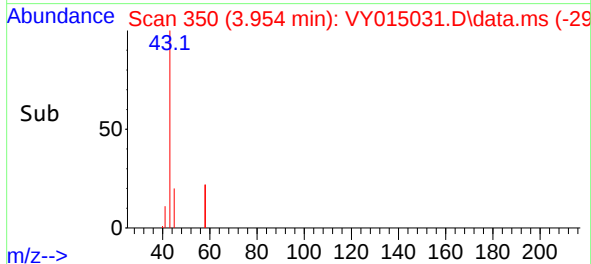
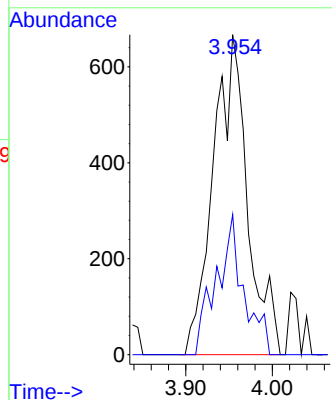
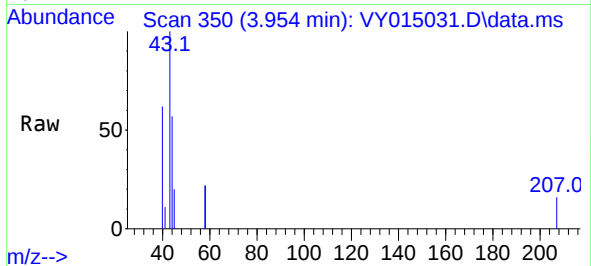




#16
Acetone
Concen: 1.879 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

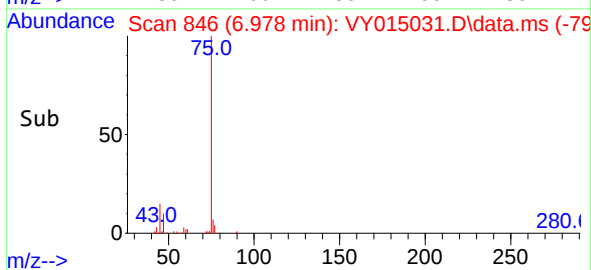
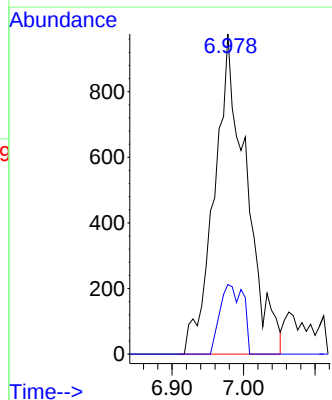
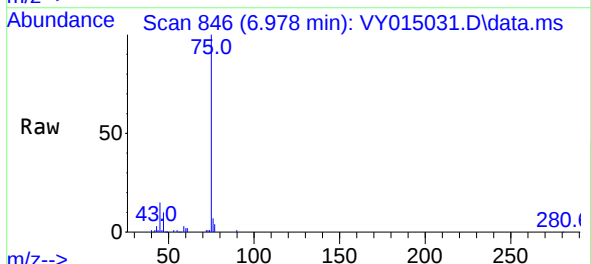
Instrument :
MSVOA_Y
ClientSampleId :

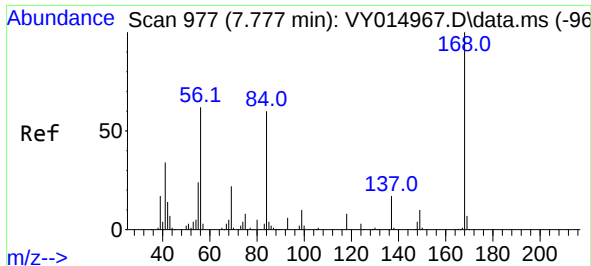
Tgt Ion: 43 Resp: 1832
Ion Ratio Lower Upper
43 100
58 43.8 22.7 34.1#



#25
2-Butanone
Concen: 2.176 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

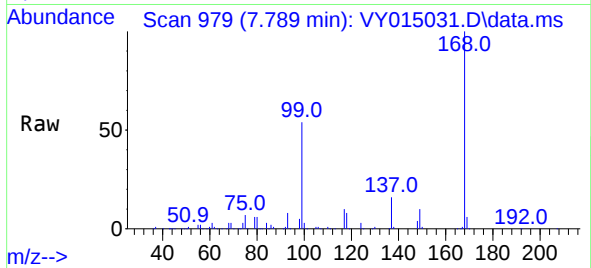
Tgt Ion: 43 Resp: 3038
Ion Ratio Lower Upper
43 100
72 21.7 20.5 30.7



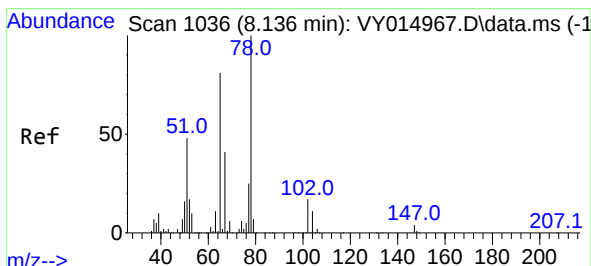
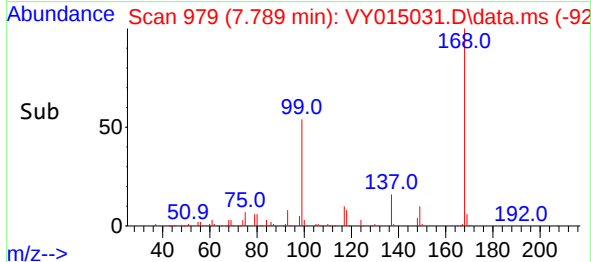
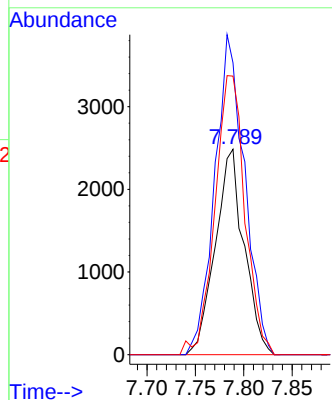


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

Instrument :
MSVOA_Y
ClientSampleId :

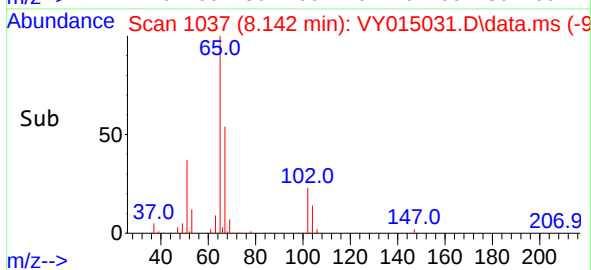
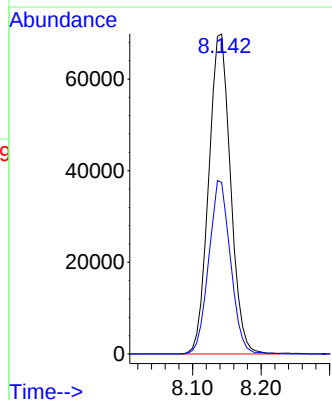
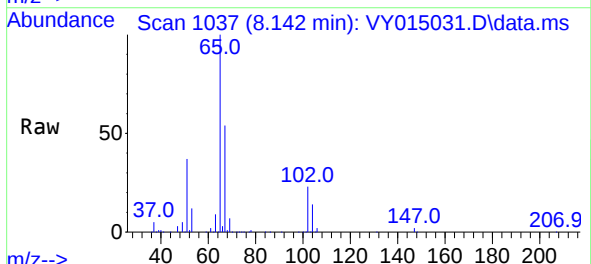


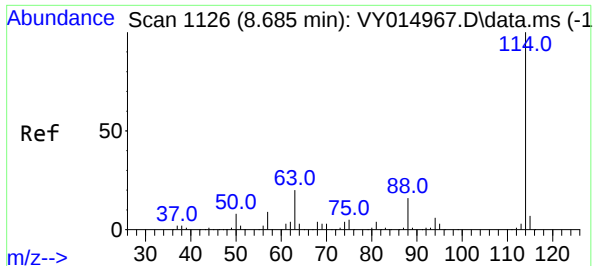
Tgt Ion: 56 Resp: 5135
Ion Ratio Lower Upper
56 100
69 142.0 27.8 41.6#
84 135.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.513 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

Tgt Ion: 65 Resp: 154789
Ion Ratio Lower Upper
65 100
67 53.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015031.D

Acq: 10 Aug 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

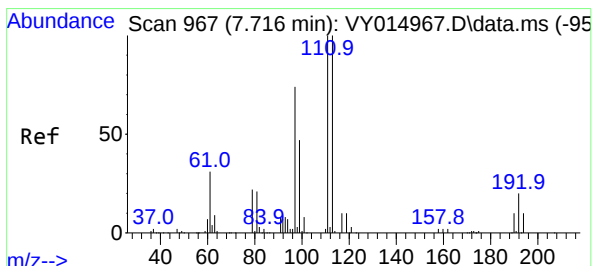
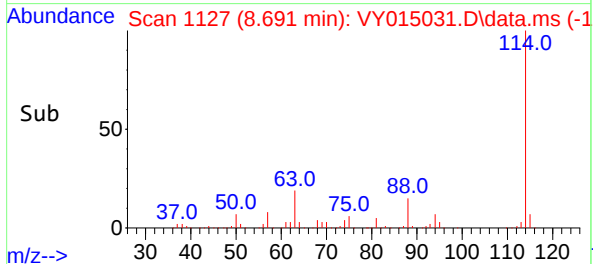
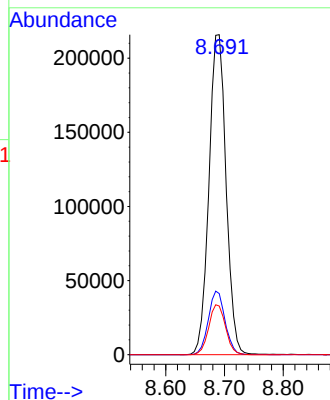
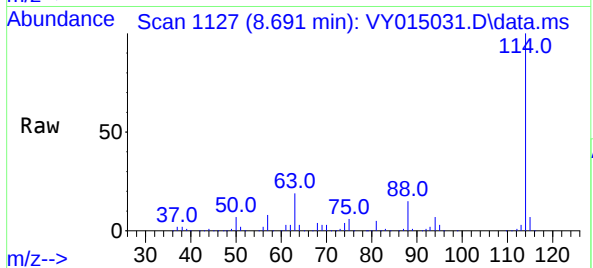
Tgt Ion:114 Resp: 436587

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.042 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015031.D

Acq: 10 Aug 2023 16:39

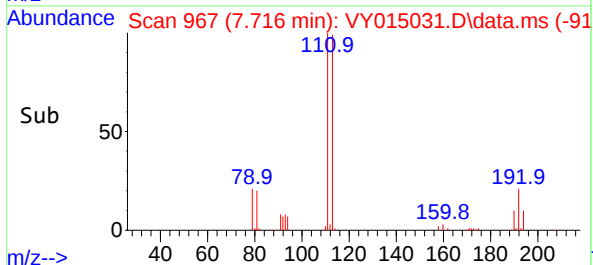
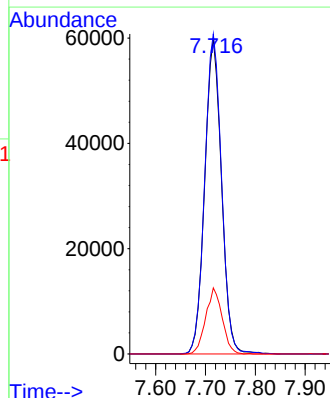
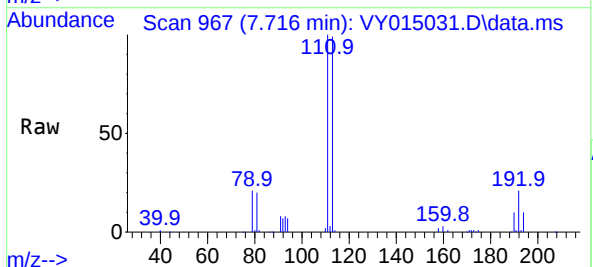
Tgt Ion:113 Resp: 139712

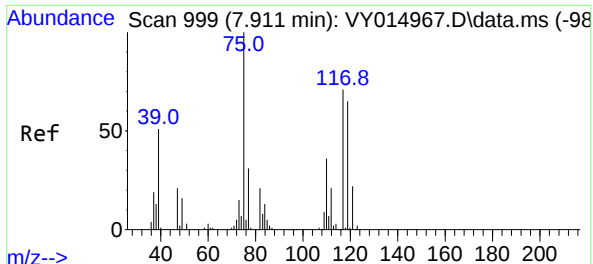
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

192 20.5 16.9 25.3

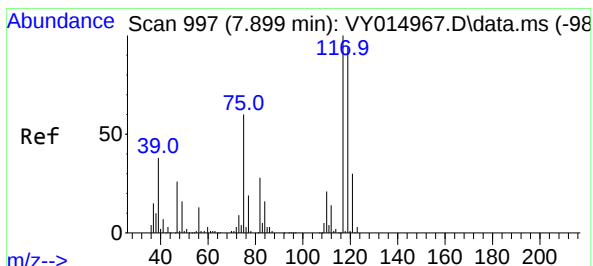
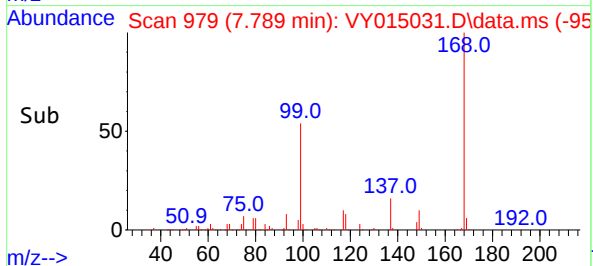
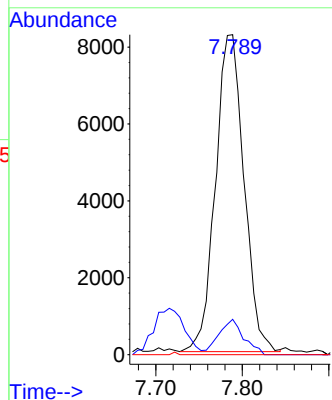
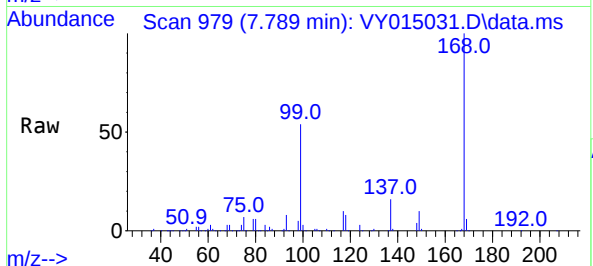




#36
1,1-Dichloropropene
Concen: 5.441 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

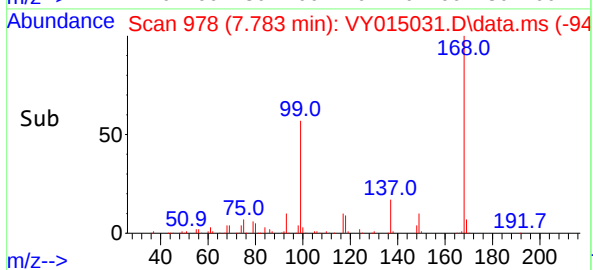
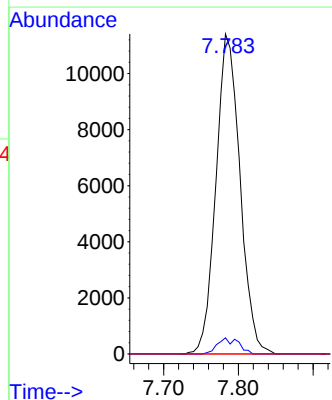
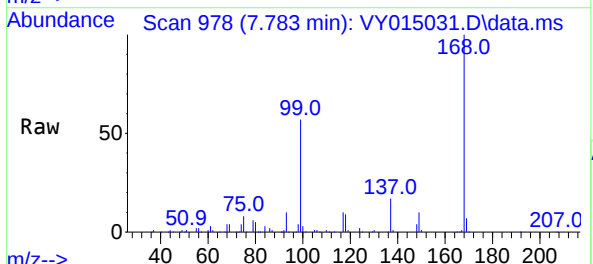
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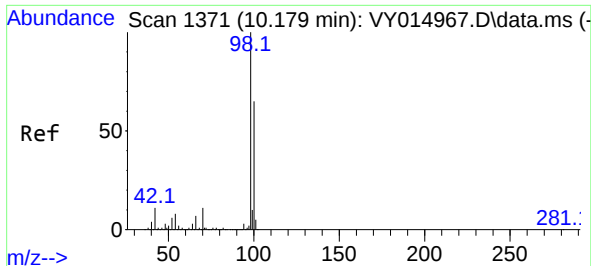
Tgt Ion: 75 Resp: 18860
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.547 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

Tgt Ion: 117 Resp: 25512
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#

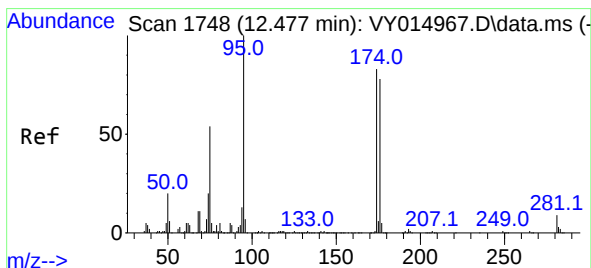
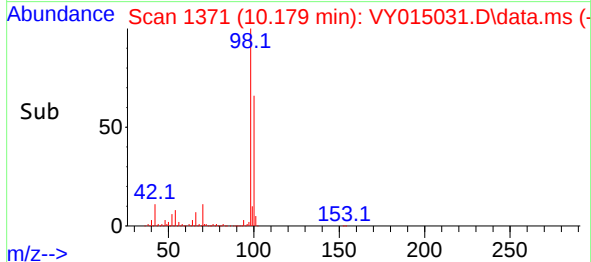
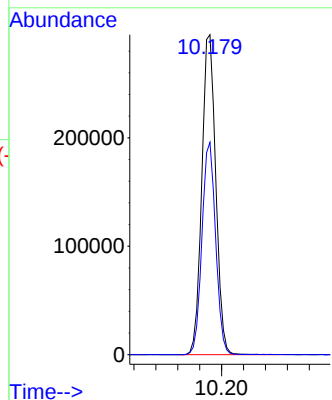
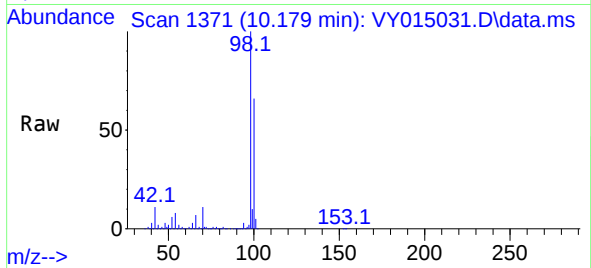




#50
Toluene-d8
Concen: 49.011 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

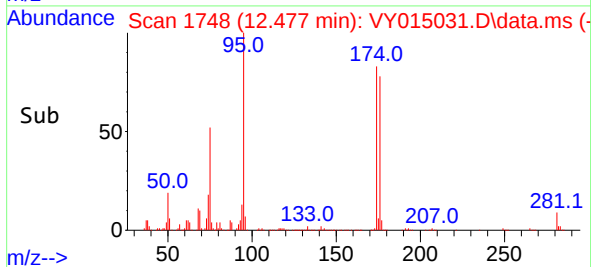
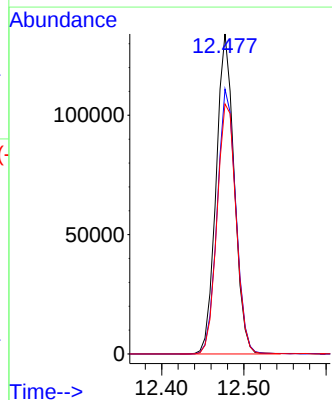
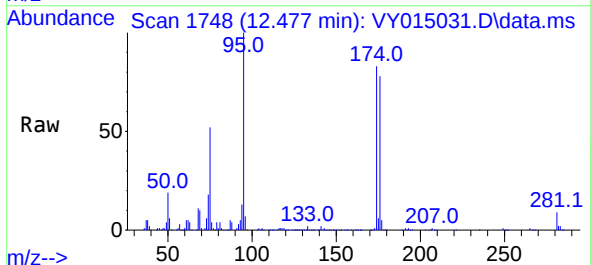
Instrument :
MSVOA_Y
ClientSampleId :

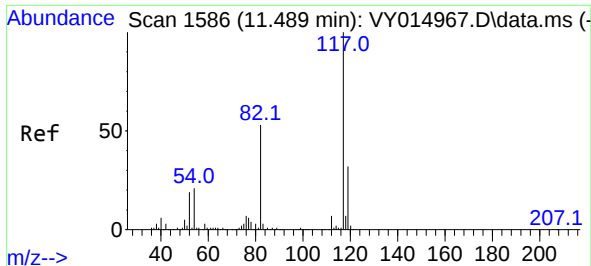
Tgt Ion: 98 Resp: 520814
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 54.540 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

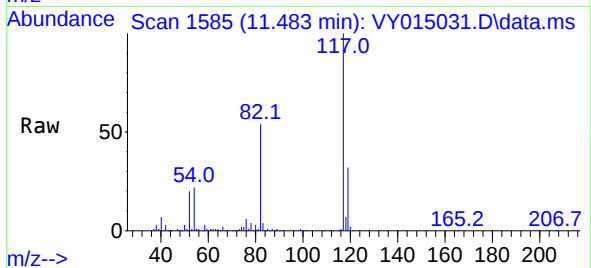
Tgt Ion: 95 Resp: 205411
Ion Ratio Lower Upper
95 100
174 84.9 0.0 178.2
176 82.1 0.0 173.8



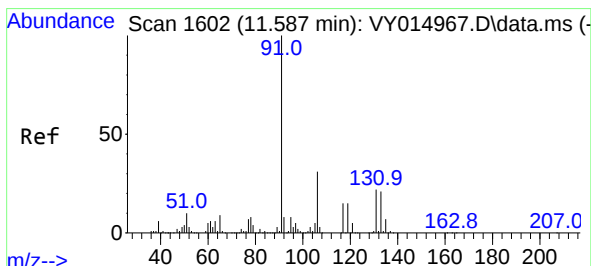
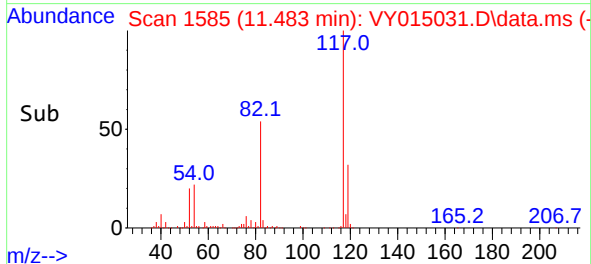
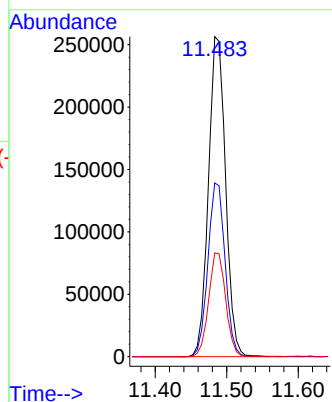


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

Instrument :
MSVOA_Y
ClientSampleId :

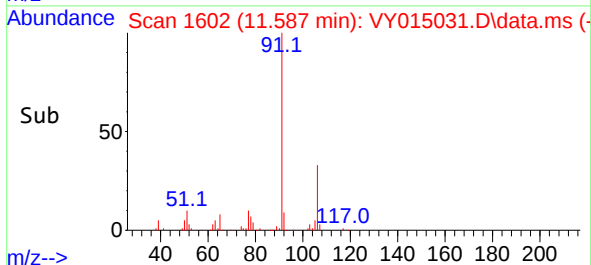
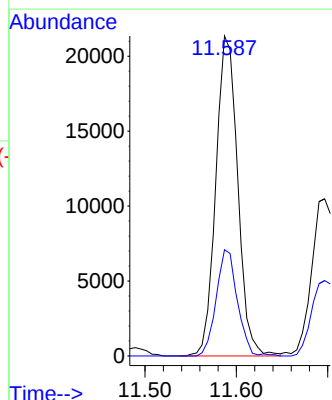
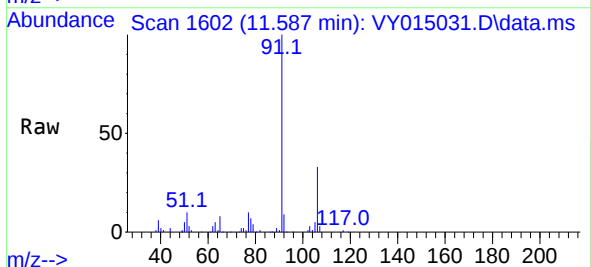


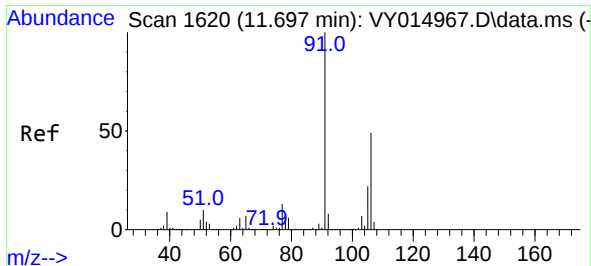
Tgt Ion:117 Resp: 426846
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 32.5 26.3 39.5



#67
Ethyl Benzene
Concen: 2.504 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

Tgt Ion: 91 Resp: 35596
Ion Ratio Lower Upper
91 100
106 33.2 24.6 36.8

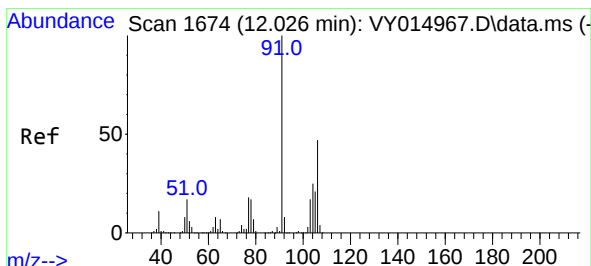
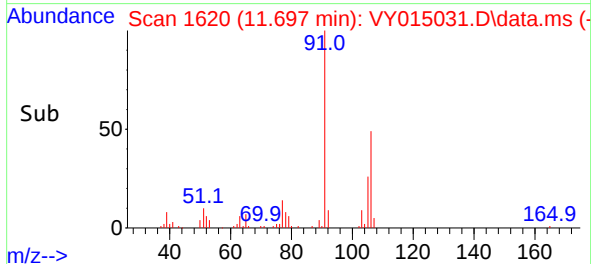
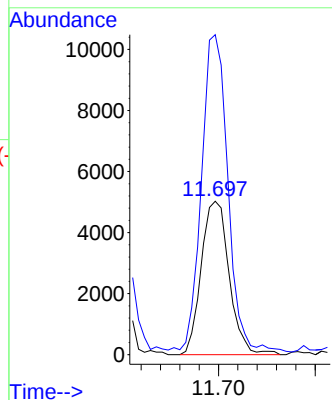
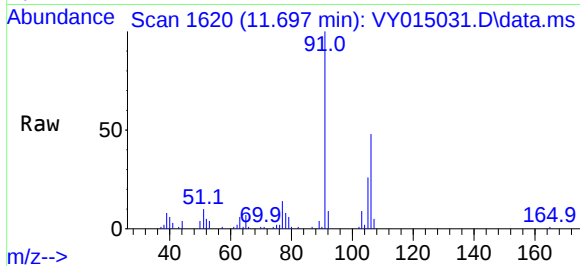




#68
m/p-Xylenes
Concen: 1.858 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

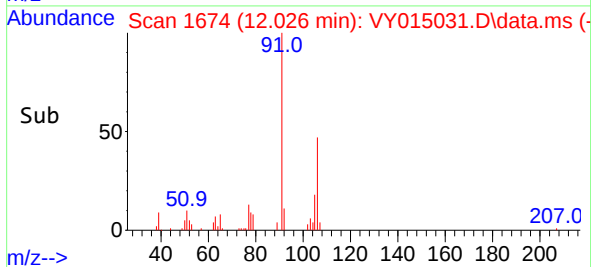
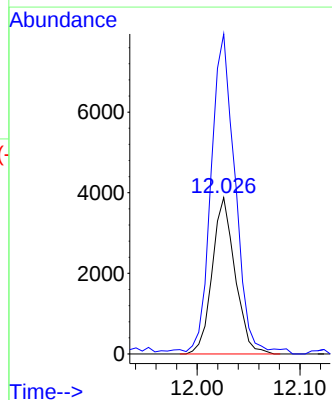
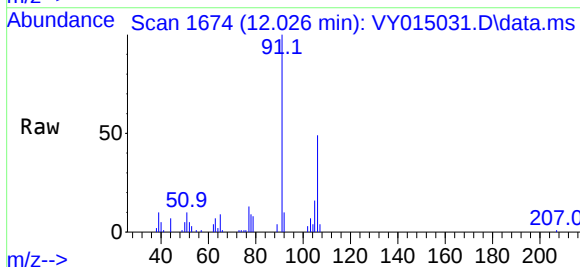
Instrument :
MSVOA_Y
ClientSampleId :

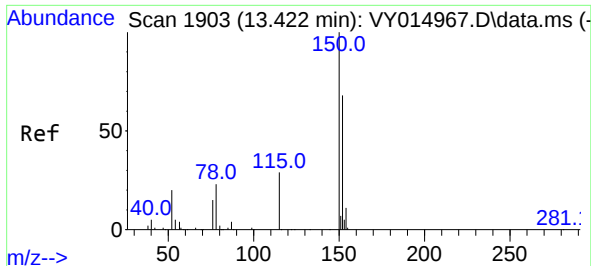
Tgt Ion:106 Resp: 10102
Ion Ratio Lower Upper
106 100
91 196.6 166.1 249.1



#69
o-Xylene
Concen: 1.124 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

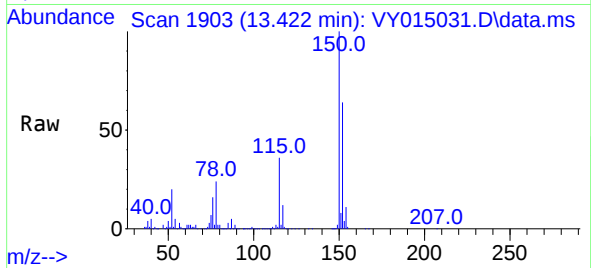
Tgt Ion:106 Resp: 5978
Ion Ratio Lower Upper
106 100
91 217.6 108.1 324.3



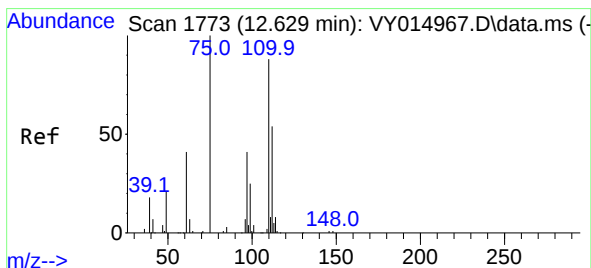
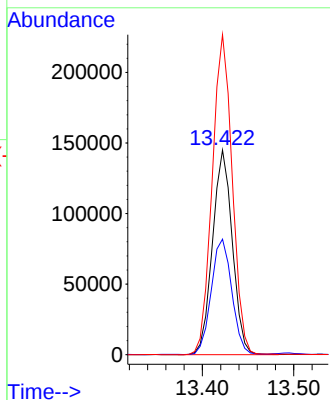
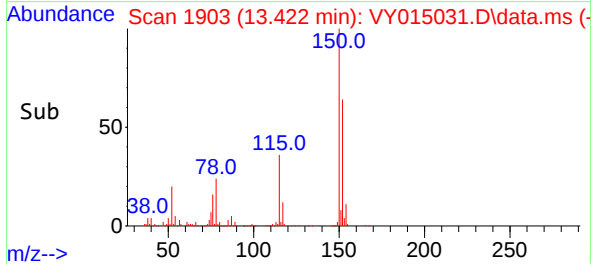


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY015031.D
 Acq: 10 Aug 2023 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :

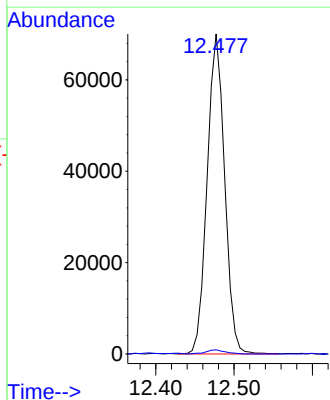
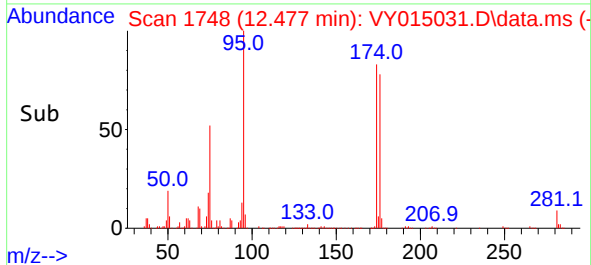
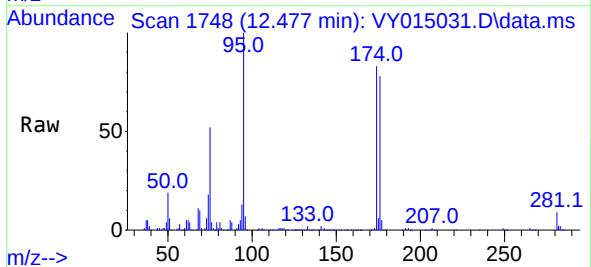


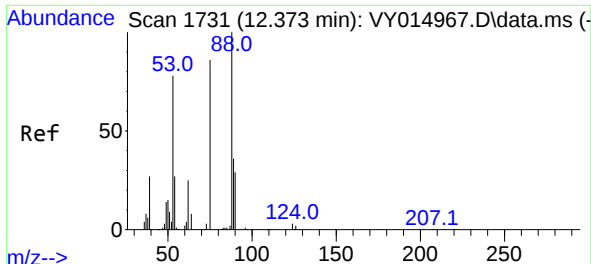
Tgt Ion:152 Resp: 218301
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.8 86.5
 150 158.4 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 41.505 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY015031.D
 Acq: 10 Aug 2023 16:39

Tgt Ion: 75 Resp: 108566
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

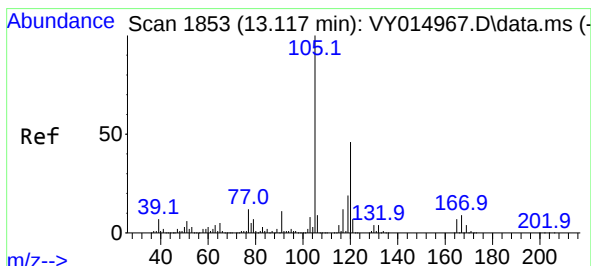
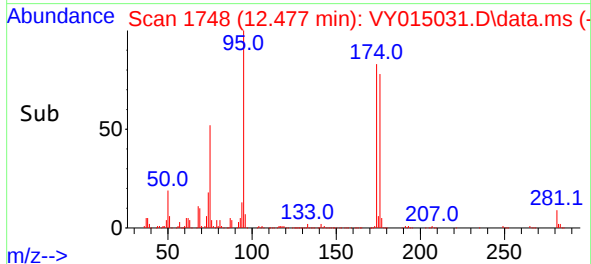
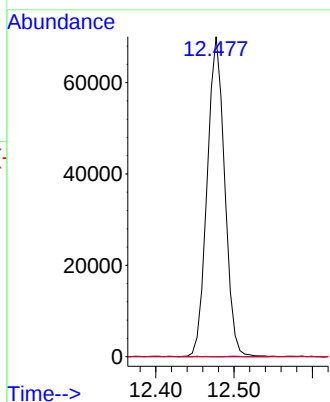
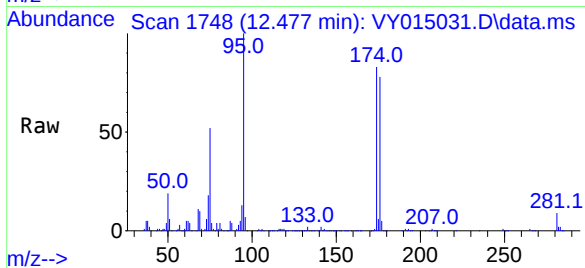




#81
trans-1,4-Dichloro-2-butene
Concen: 91.436 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

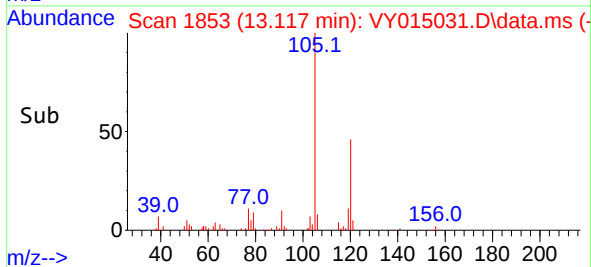
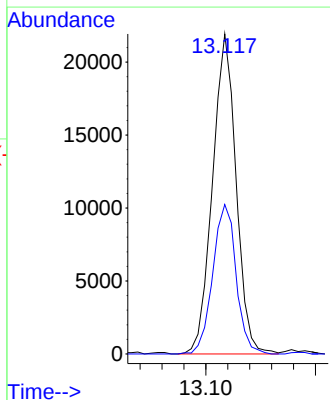
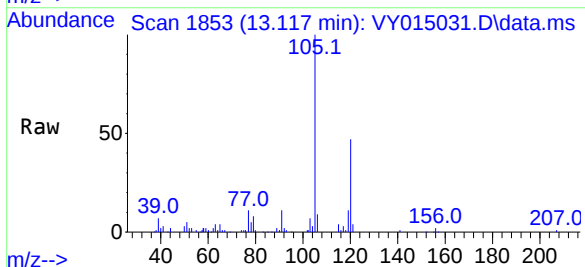
Instrument :
MSVOA_Y
ClientSampleId :

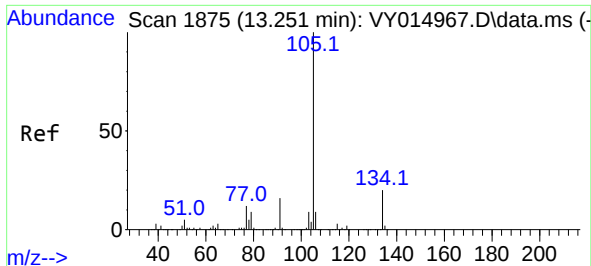
Tgt Ion: 75 Resp: 108566
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 2.707 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

Tgt Ion:105 Resp: 32797
Ion Ratio Lower Upper
105 100
120 46.2 22.2 66.6

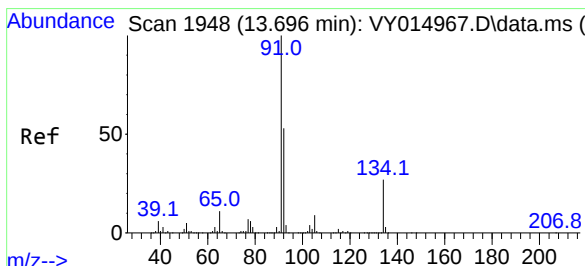
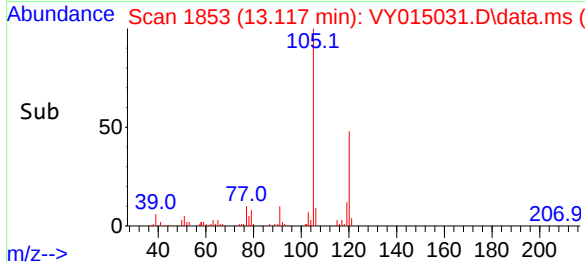
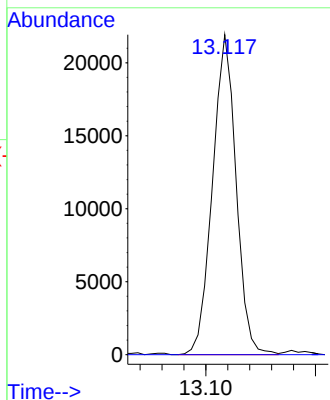
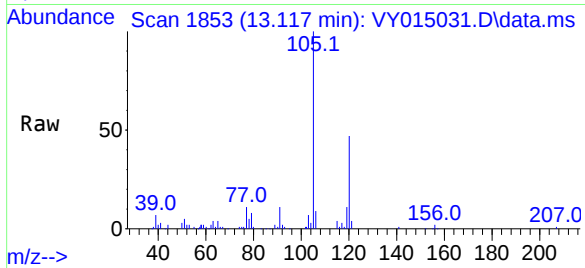




#85
sec-Butylbenzene
Concen: 2.020 ug/l
RT: 13.117 min Scan# 11
Delta R.T. -0.134 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

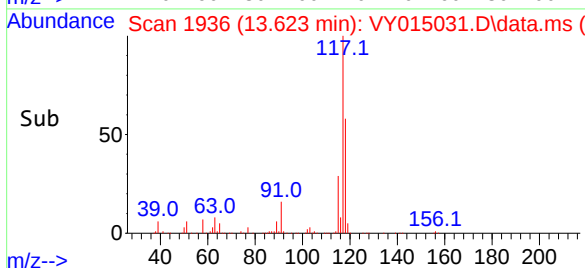
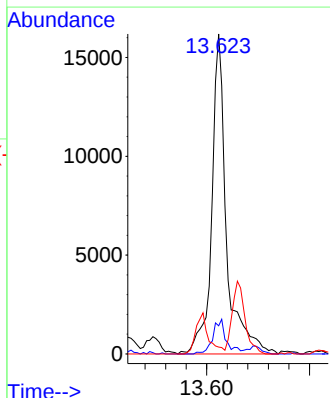
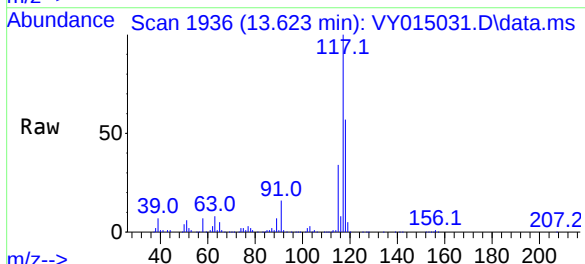
Instrument :
MSVOA_Y
ClientSampleId :

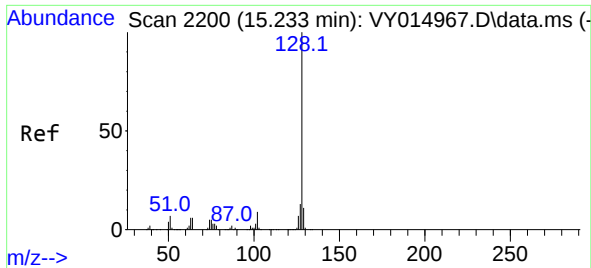
Tgt Ion:105 Resp: 32797
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.6#



#89
n-Butylbenzene
Concen: 2.561 ug/l
RT: 13.623 min Scan# 1936
Delta R.T. -0.073 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

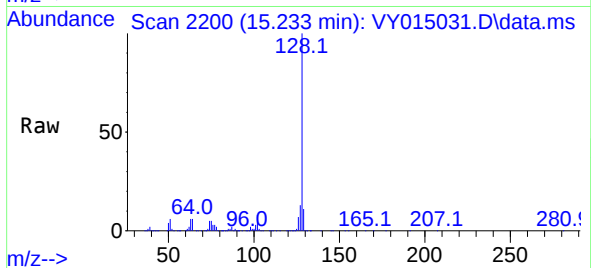
Tgt Ion: 91 Resp: 32335
Ion Ratio Lower Upper
91 100
92 10.0 25.4 76.0#
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 54.314 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015031.D
Acq: 10 Aug 2023 16:39

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 525854
Ion Ratio Lower Upper
128 100
127 12.8 10.8 16.2
129 10.8 8.6 13.0

