

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015030.D
 Acq On : 10 Aug 2023 16:16
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 11 01:57:01 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)

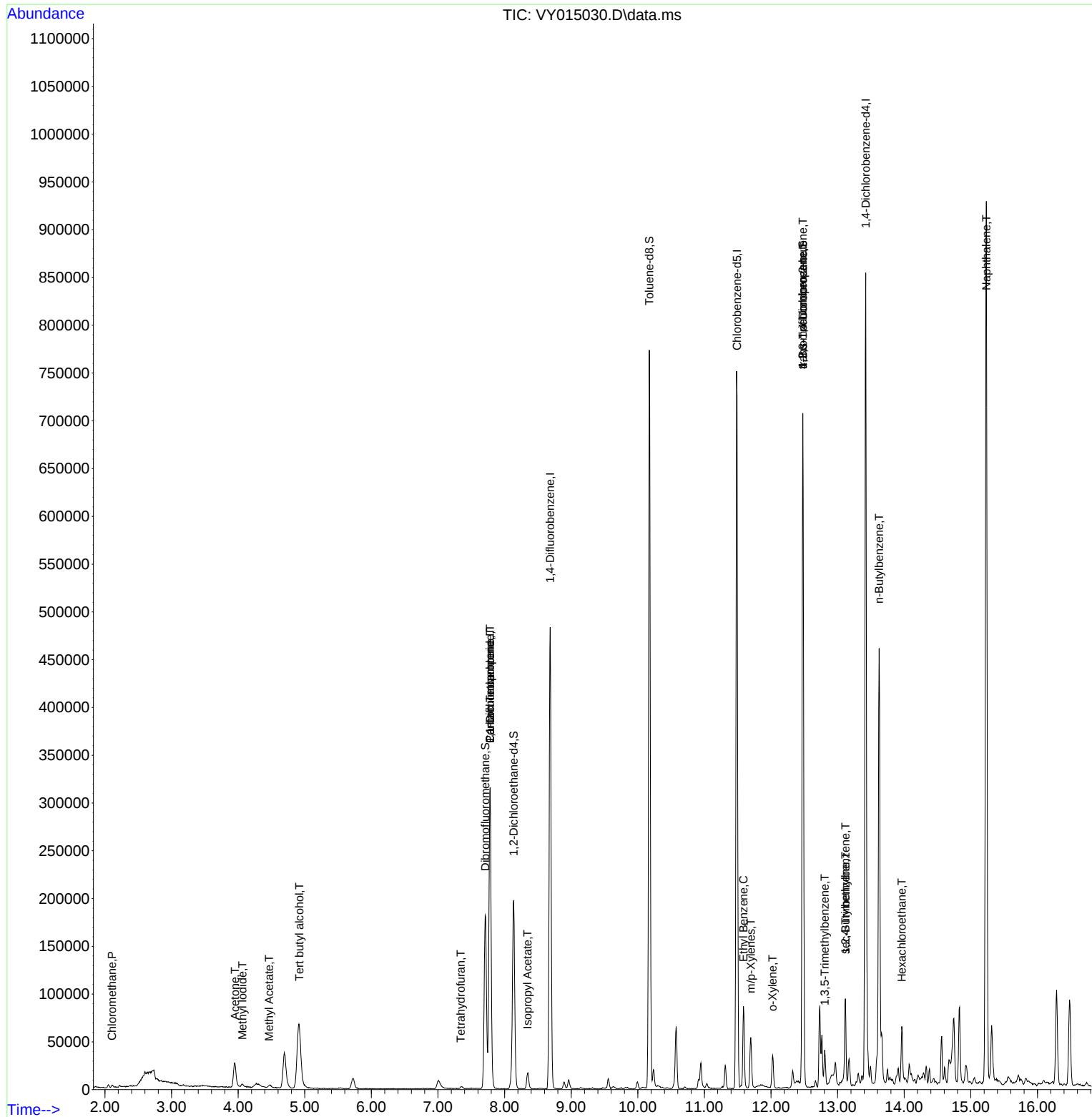
Internal Standards						
1) Pentafluorobenzene	7.783	168	251905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	425924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	412109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	213857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	153018	50.118	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.240%			
35) Dibromofluoromethane	7.710	113	131147	48.150	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.300%			
50) Toluene-d8	10.173	98	501474	48.372	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.477	95	197730	53.815	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.620%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	2238	1.129	ug/l #	88
5) Bromomethane	2.662	94	137	Below Cal	#	2
10) Methyl Iodide	4.064	142	5445	2.305	ug/l	96
11) Tert butyl alcohol	4.917	59	68118	92.444	ug/l #	93
16) Acetone	3.954	43	3361	3.530	ug/l #	75
18) Methyl Acetate	4.466	43	4841	1.396	ug/l #	54
20) Methylene Chloride	4.692	84	29412	Below Cal		91
29) Tetrahydrofuran	7.344	42	1514	1.893	ug/l #	83
31) Cyclohexane	7.783	56	5269	Below Cal	#	25
36) 1,1-Dichloropropene	7.783	75	18366	5.431	ug/l #	52
38) Carbon Tetrachloride	7.783	117	24632	6.480	ug/l #	15
43) Isopropyl Acetate	8.344	43	6406	1.285	ug/l #	56
67) Ethyl Benzene	11.587	91	59282	4.320	ug/l	97
68) m/p-Xylenes	11.697	106	16091	3.065	ug/l	100
69) o-Xylene	12.026	106	9470	1.843	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	106888	41.712	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.806	105	13543	1.143	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.477	75	106888	91.893	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	48043	4.048	ug/l	96
85) sec-Butylbenzene	13.117	105	48043	3.021	ug/l #	56
89) n-Butylbenzene	13.623	91	45764	3.699	ug/l #	44
90) Hexachloroethane	13.965	117	2795	1.093	ug/l #	8
95) Naphthalene	15.233	128	759454	80.072	ug/l	99

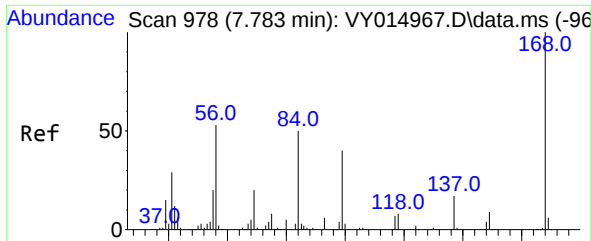
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
Data File : VY015030.D
Acq On : 10 Aug 2023 16:16
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

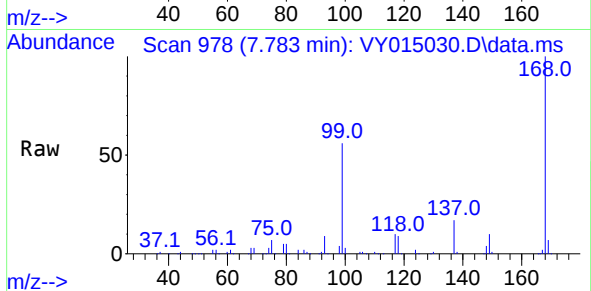
Quant Time: Aug 11 01:57:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 08 07:44:56 2023
Response via : Initial Calibration



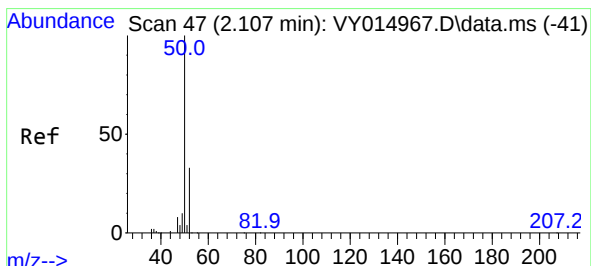
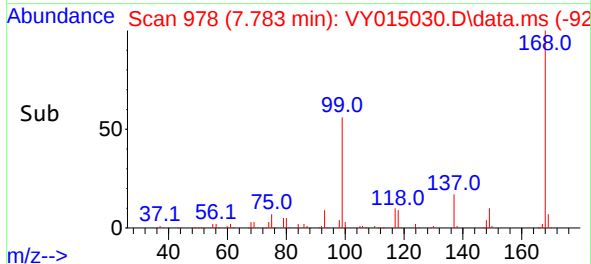
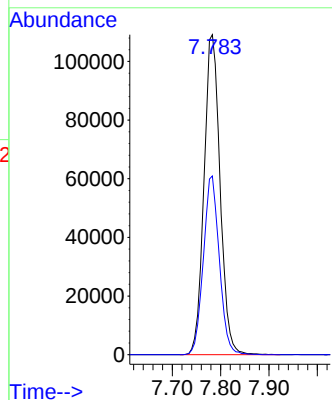


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Instrument :
MSVOA_Y
ClientSampleId :

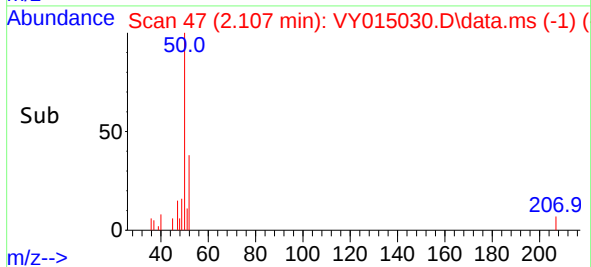
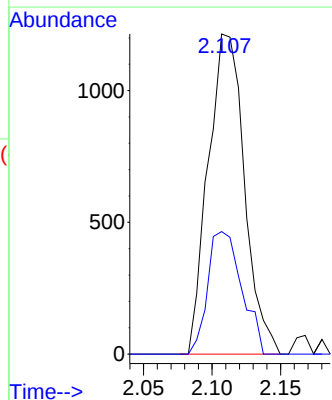
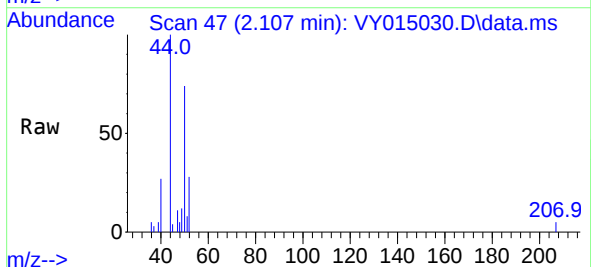


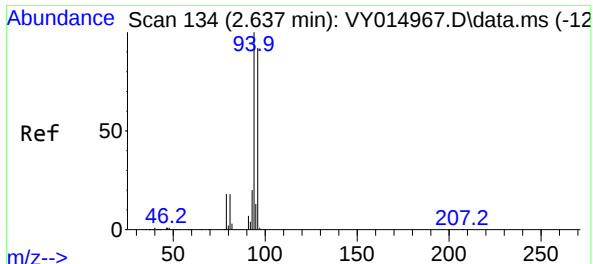
Tgt Ion:168 Resp: 251905
Ion Ratio Lower Upper
168 100
99 55.9 43.4 65.0



#3
Chloromethane
Concen: 1.129 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Tgt Ion: 50 Resp: 2238
Ion Ratio Lower Upper
50 100
52 38.3 25.4 38.2#

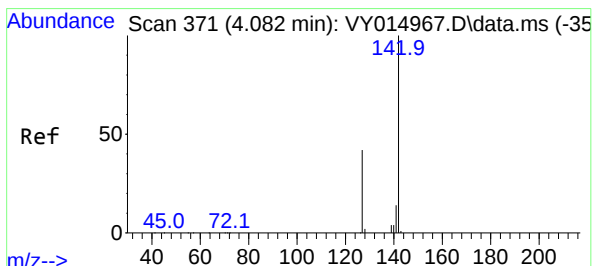
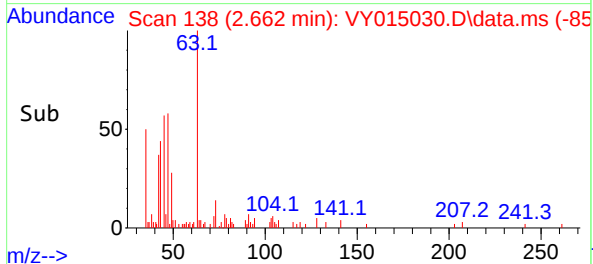
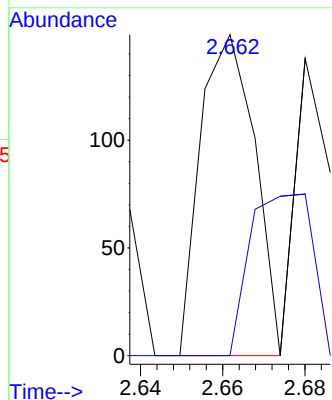
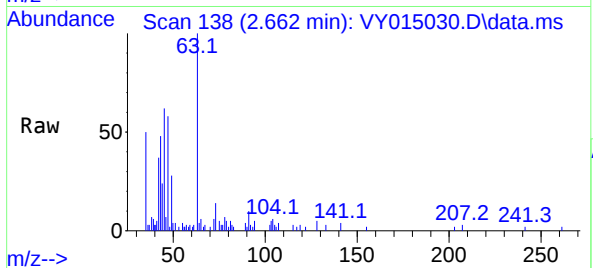




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

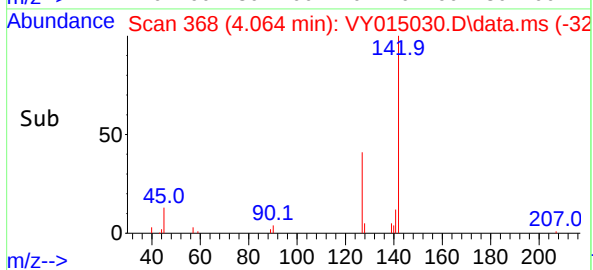
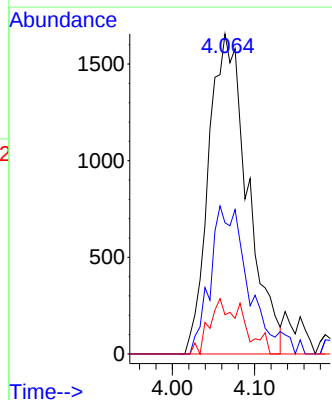
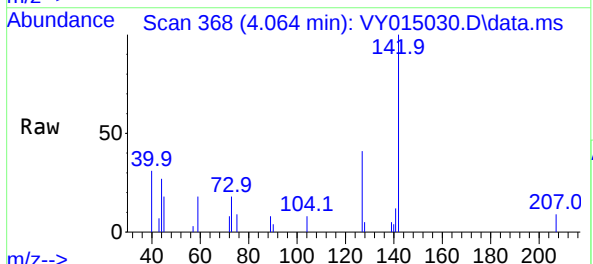
Instrument :
MSVOA_Y
ClientSampleId :

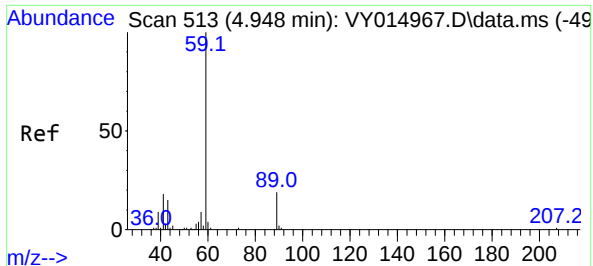
Tgt Ion: 94 Resp: 137
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#



#10
Methyl Iodide
Concen: 2.305 ug/l
RT: 4.064 min Scan# 368
Delta R.T. -0.018 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Tgt Ion:142 Resp: 5445
Ion Ratio Lower Upper
142 100
127 43.3 37.6 56.4
141 14.8 11.8 17.8





#11

Tert butyl alcohol

Concen: 92.444 ug/l

RT: 4.917 min Scan# 50

Delta R.T. -0.031 min

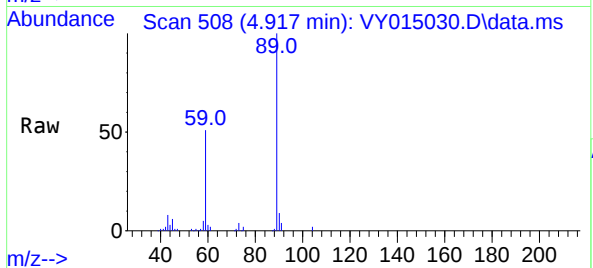
Lab File: VY015030.D

Acq: 10 Aug 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

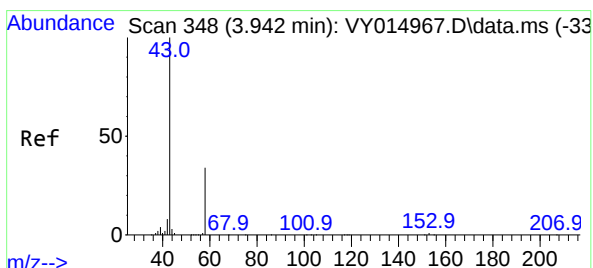
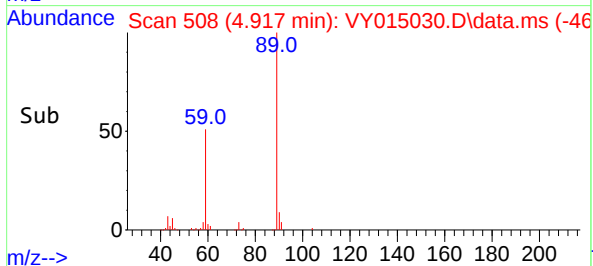
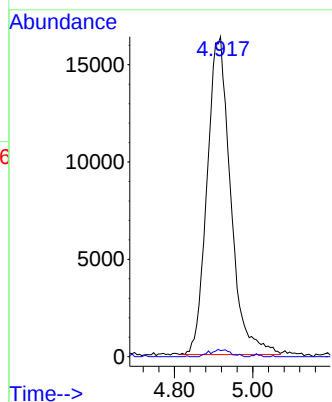


Tgt Ion: 59 Resp: 68118

Ion Ratio Lower Upper

59 100

57 1.6 3.0 4.4#



#16

Acetone

Concen: 3.530 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY015030.D

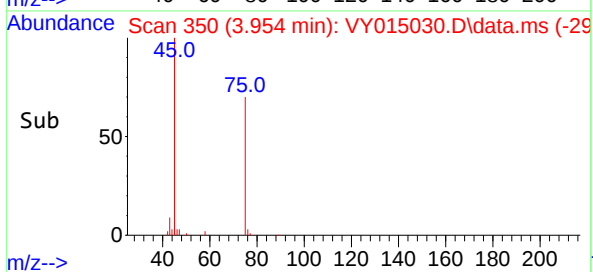
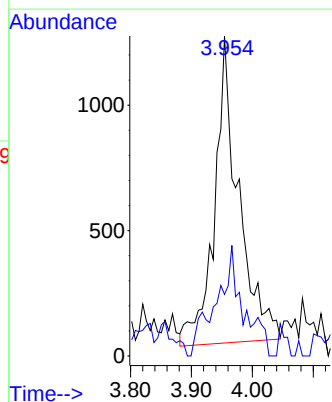
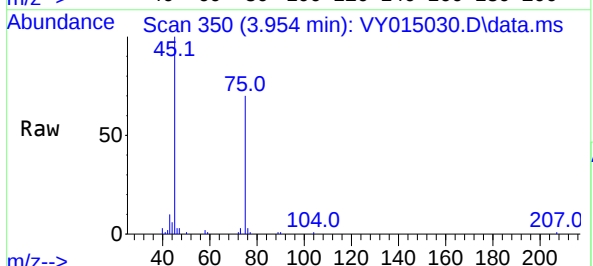
Acq: 10 Aug 2023 16:16

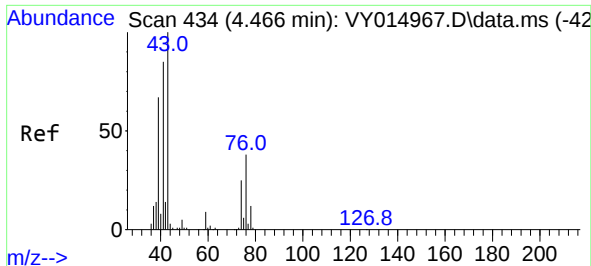
Tgt Ion: 43 Resp: 3361

Ion Ratio Lower Upper

43 100

58 15.4 22.7 34.1#

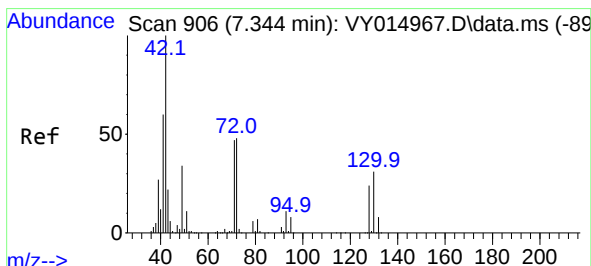
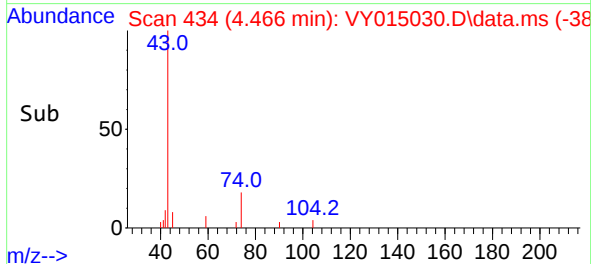
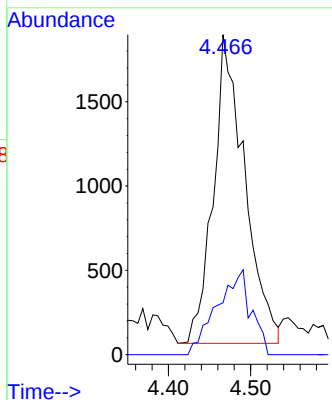
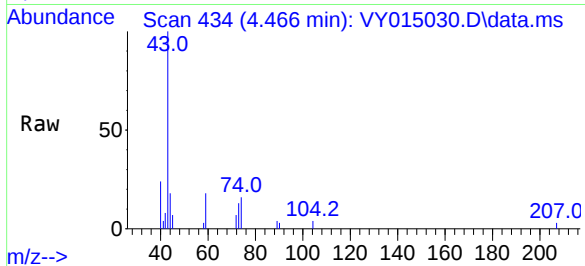




#18
Methyl Acetate
Concen: 1.396 ug/l
RT: 4.466 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

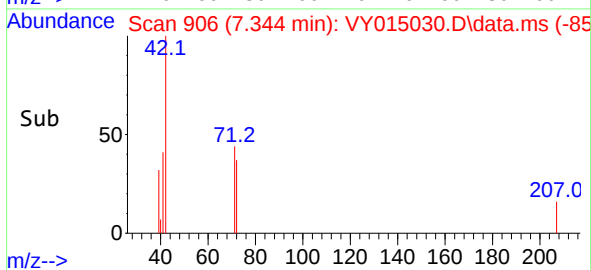
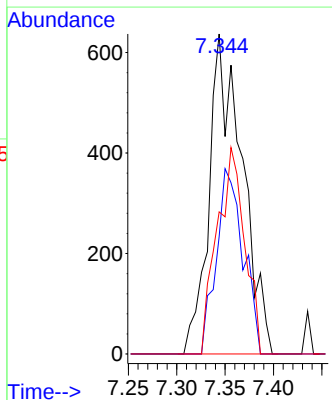
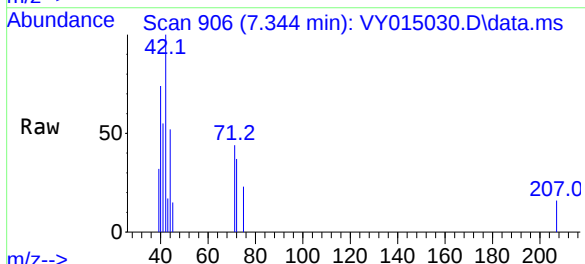
Instrument :
MSVOA_Y
ClientSampleId :

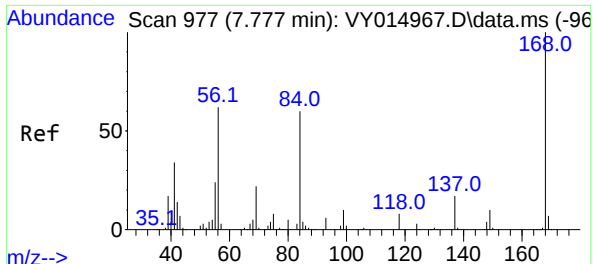
Tgt Ion: 43 Resp: 4841
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#29
Tetrahydrofuran
Concen: 1.893 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

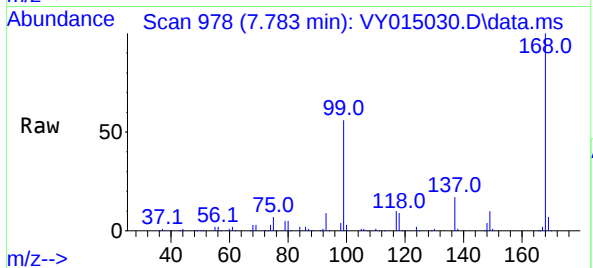
Tgt Ion: 42 Resp: 1514
Ion Ratio Lower Upper
42 100
72 47.0 32.8 49.2
71 53.6 31.0 46.4#



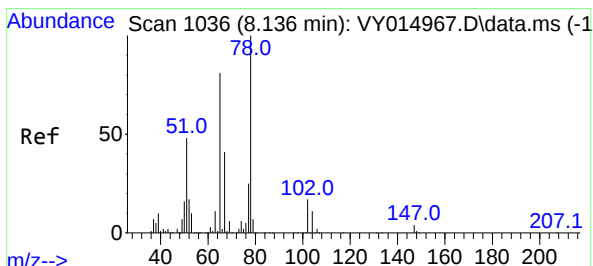
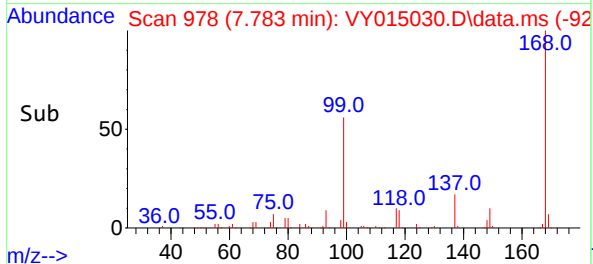
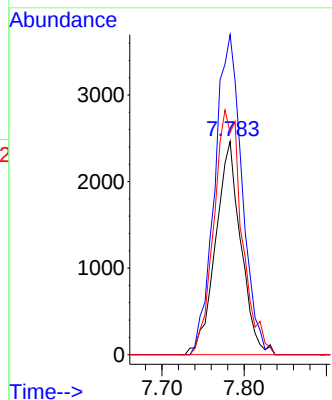


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Instrument :
MSVOA_Y
ClientSampleId :

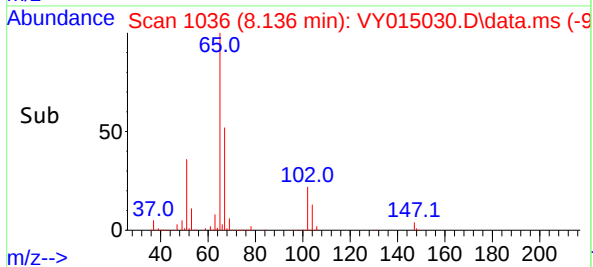
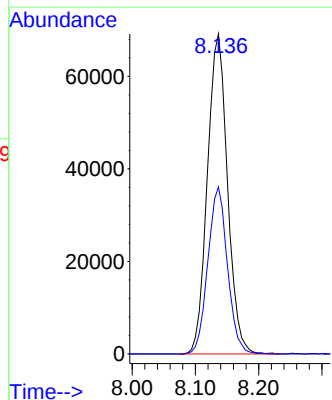
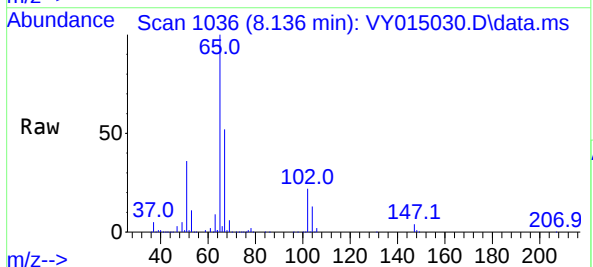


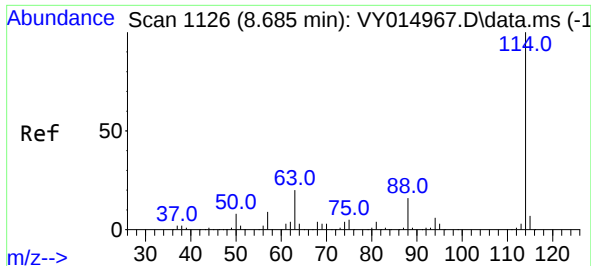
Tgt Ion: 56 Resp: 5269
Ion Ratio Lower Upper
56 100
69 150.0 27.8 41.6#
84 104.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.118 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Tgt Ion: 65 Resp: 153018
Ion Ratio Lower Upper
65 100
67 50.8 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: VY015030.D

Acq: 10 Aug 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

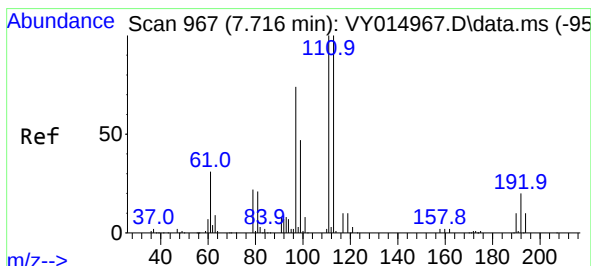
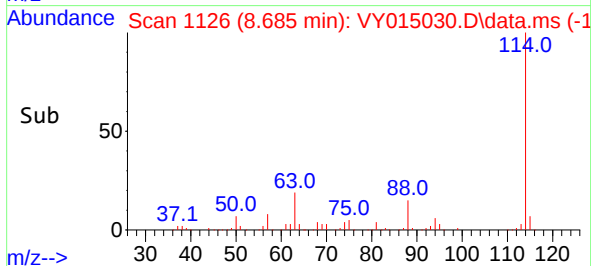
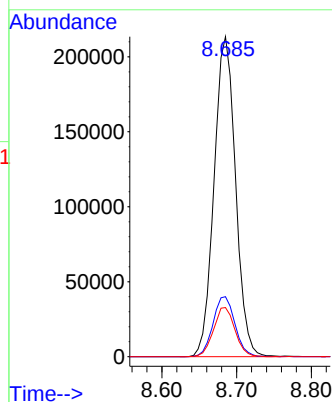
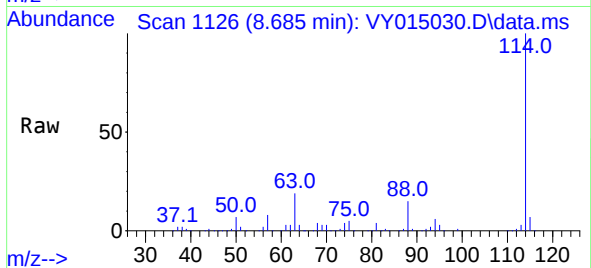
Tgt Ion:114 Resp: 425924

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.150 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015030.D

Acq: 10 Aug 2023 16:16

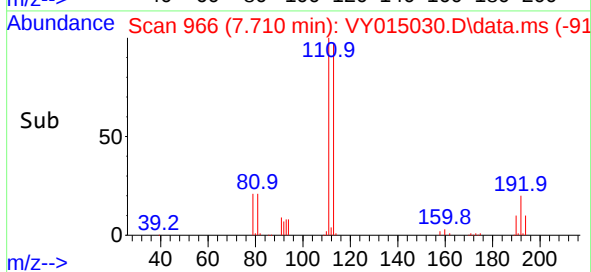
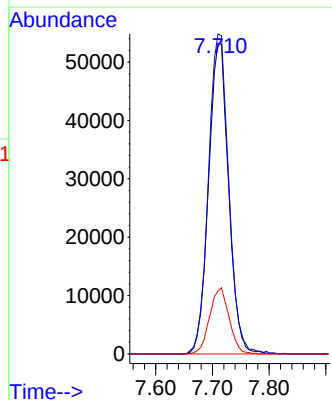
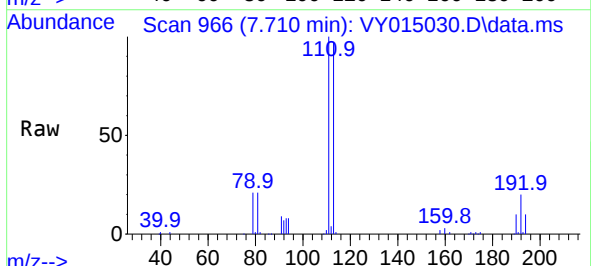
Tgt Ion:113 Resp: 131147

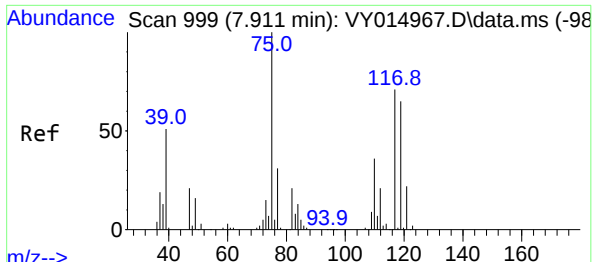
Ion Ratio Lower Upper

113 100

111 103.6 81.3 121.9

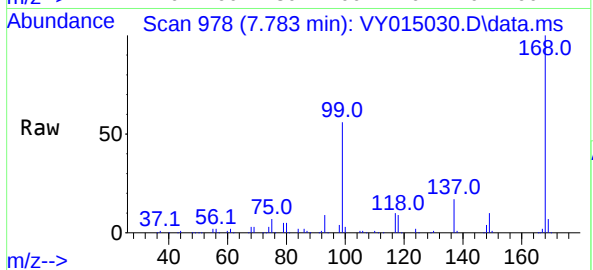
192 20.7 16.9 25.3



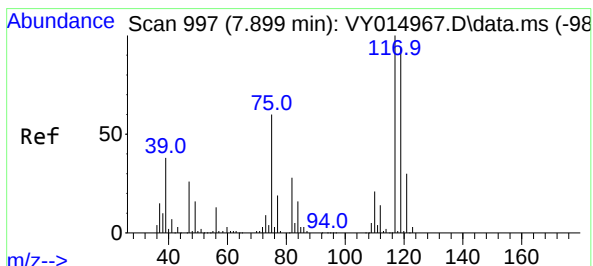
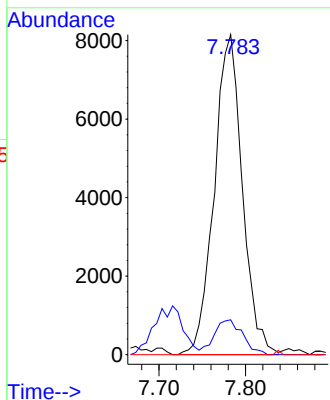
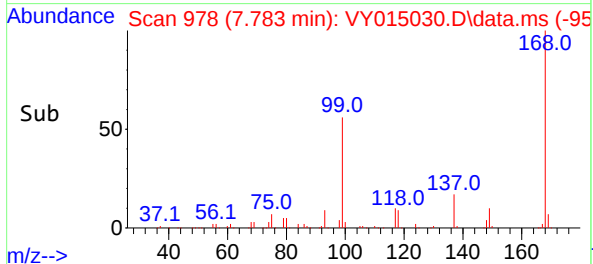


#36
 1,1-Dichloropropene
 Concen: 5.431 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY015030.D
 Acq: 10 Aug 2023 16:16

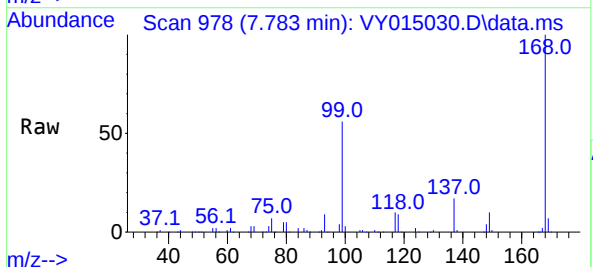
Instrument :
 MSVOA_Y
 ClientSampleId :



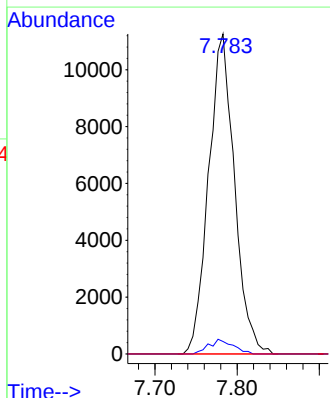
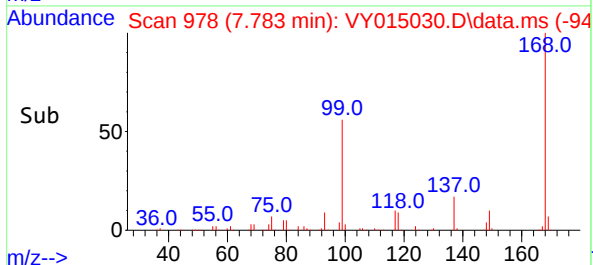
Tgt Ion: 75 Resp: 18366
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.8 53.5#
 77 0.0 24.4 36.6#

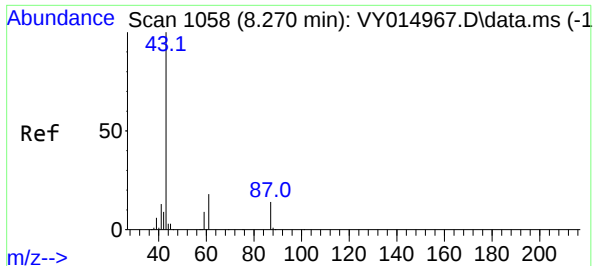


#38
 Carbon Tetrachloride
 Concen: 6.480 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY015030.D
 Acq: 10 Aug 2023 16:16



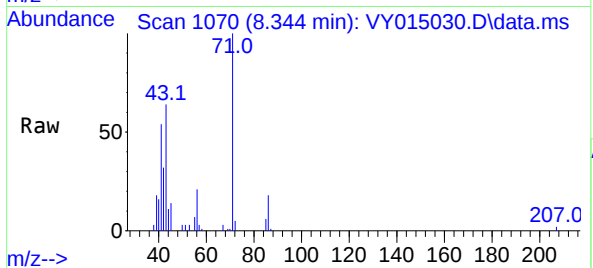
Tgt Ion: 117 Resp: 24632
 Ion Ratio Lower Upper
 117 100
 119 3.9 76.4 114.6#
 121 0.0 25.8 38.6#



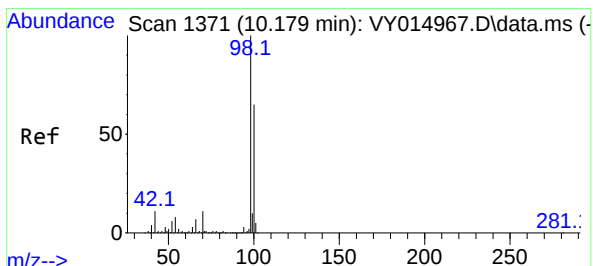
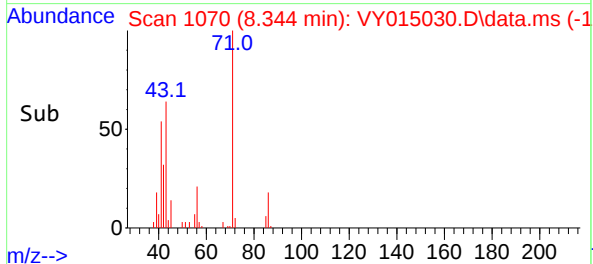
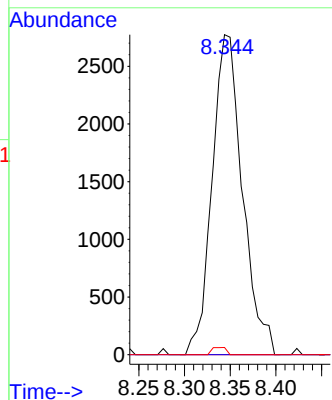


#43
Isopropyl Acetate
Concen: 1.285 ug/l
RT: 8.344 min Scan# 1058
Delta R.T. 0.073 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Instrument :
MSVOA_Y
ClientSampleId :

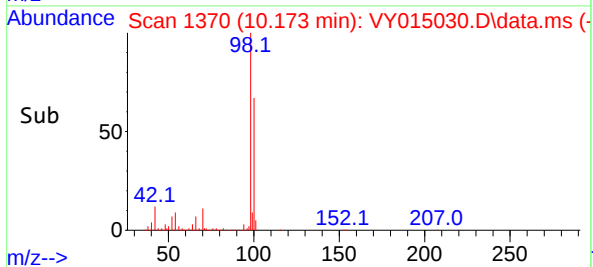
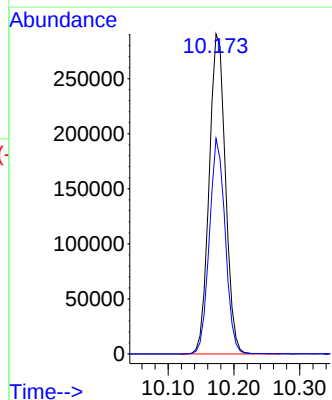
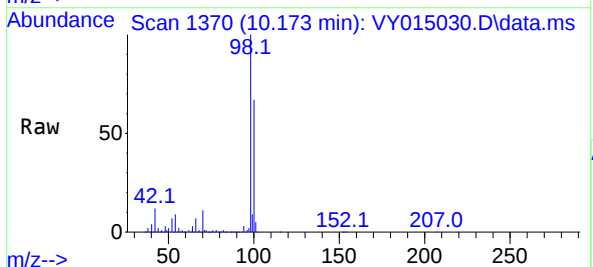


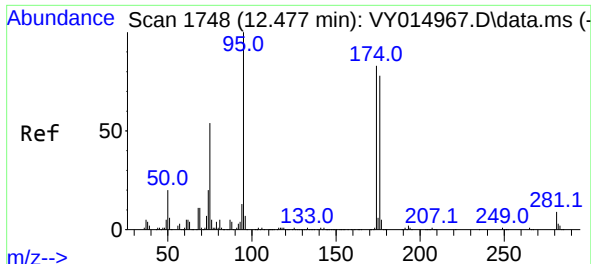
Tgt Ion: 43 Resp: 6406
Ion Ratio Lower Upper
43 100
61 0.0 21.1 31.7#
87 1.0 9.8 14.8#



#50
Toluene-d8
Concen: 48.372 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Tgt Ion: 98 Resp: 501474
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1

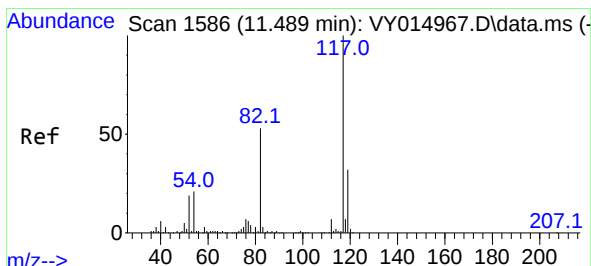
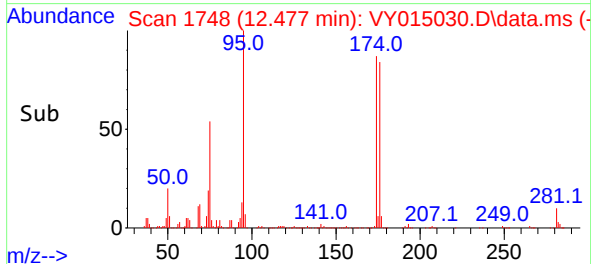
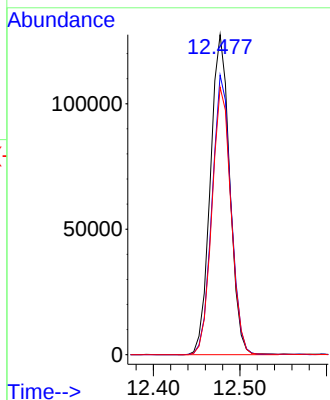
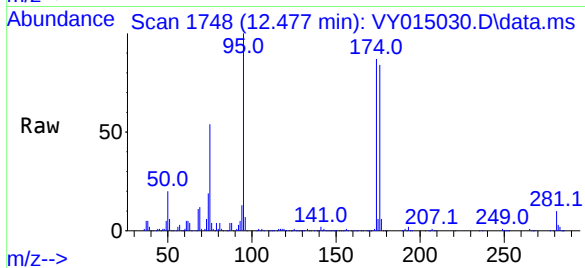




#62
4-Bromofluorobenzene
Concen: 53.815 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

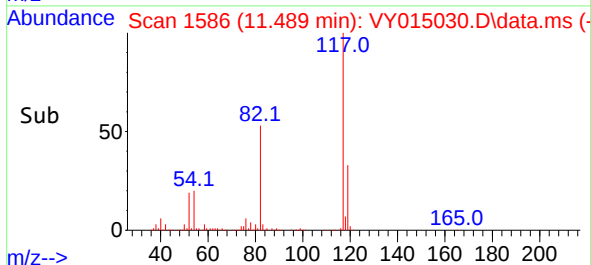
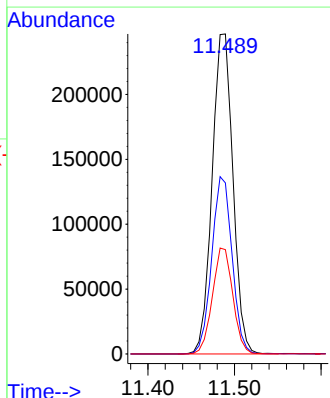
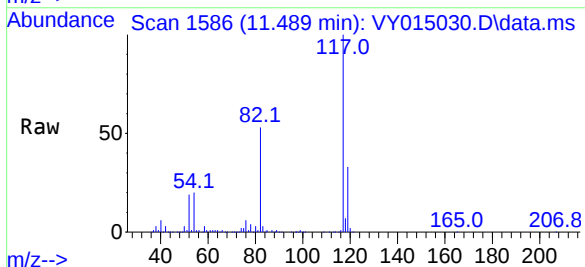
Instrument :
MSVOA_Y
ClientSampleId :

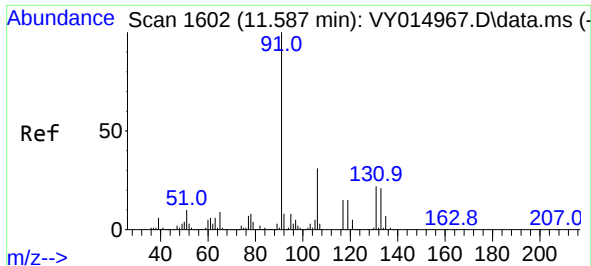
Tgt Ion: 95 Resp: 197730
Ion Ratio Lower Upper
95 100
174 85.3 0.0 178.2
176 82.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Tgt Ion: 117 Resp: 412109
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 32.6 26.3 39.5





#67

Ethyl Benzene

Concen: 4.320 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY015030.D

Acq: 10 Aug 2023 16:16

Instrument :

MSVOA_Y

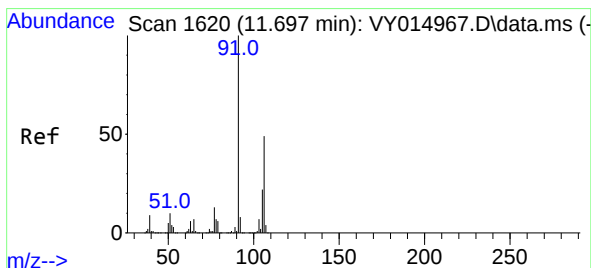
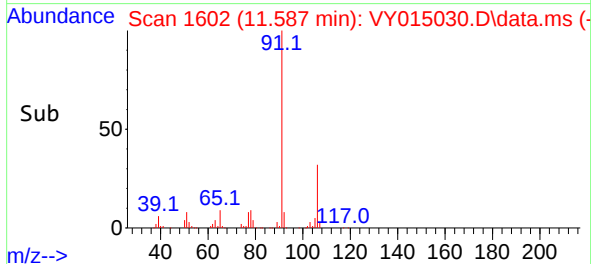
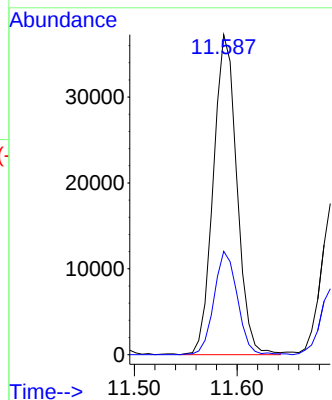
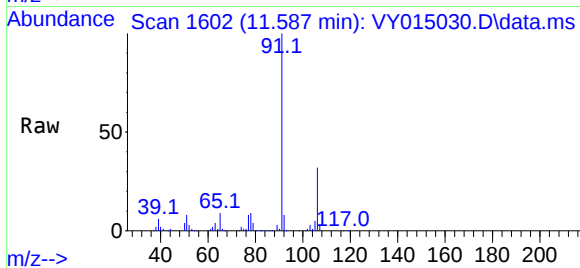
ClientSampleId :

Tgt Ion: 91 Resp: 59282

Ion Ratio Lower Upper

91 100

106 32.3 24.6 36.8



#68

m/p-Xylenes

Concen: 3.065 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VY015030.D

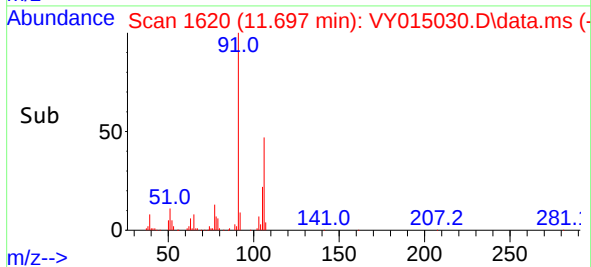
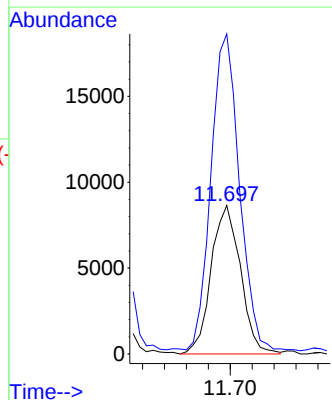
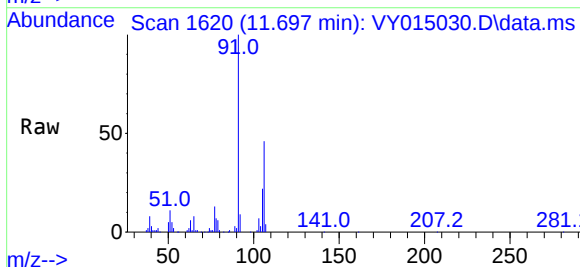
Acq: 10 Aug 2023 16:16

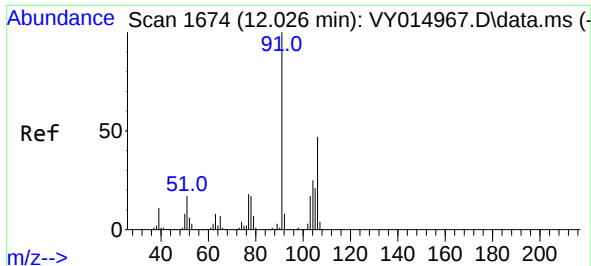
Tgt Ion:106 Resp: 16091

Ion Ratio Lower Upper

106 100

91 207.6 166.1 249.1

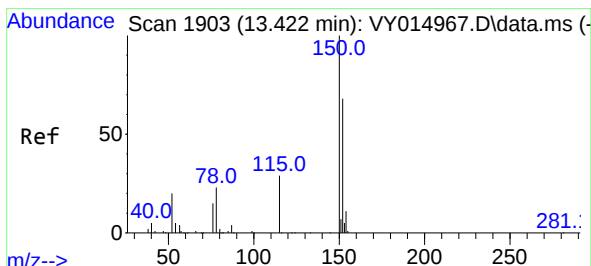
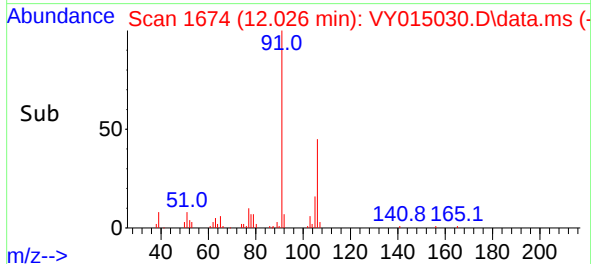
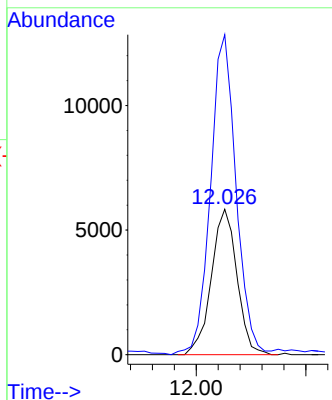
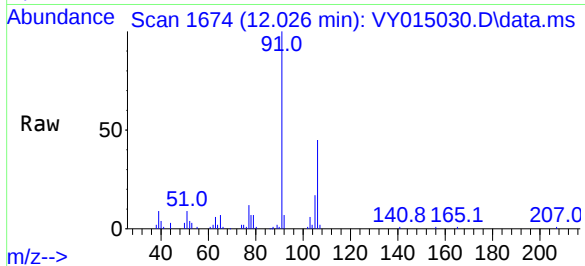




#69
o-Xylene
Concen: 1.843 ug/l
RT: 12.026 min Scan# 106
Delta R.T. 0.000 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

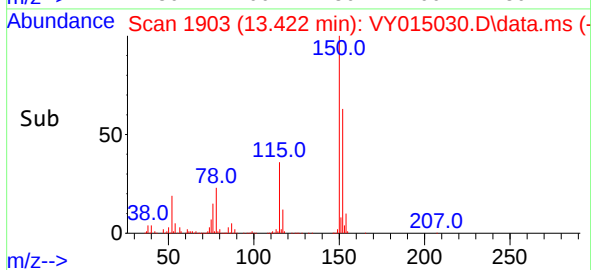
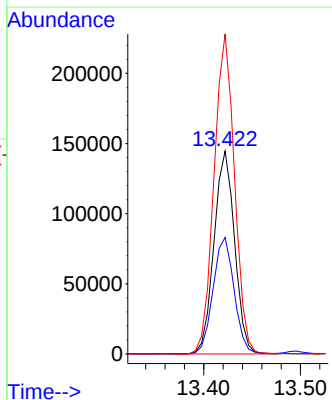
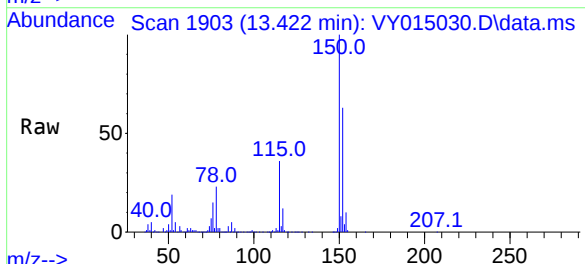
Instrument :
MSVOA_Y
ClientSampleId :

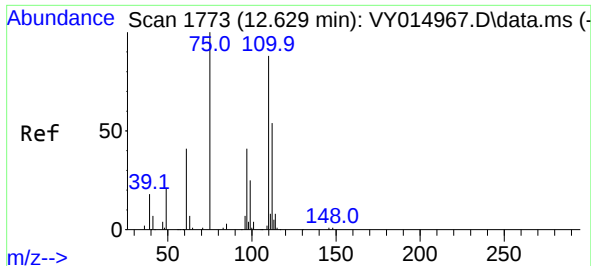
Tgt Ion:106 Resp: 9470
Ion Ratio Lower Upper
106 100
91 219.3 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Tgt Ion:152 Resp: 213857
Ion Ratio Lower Upper
152 100
115 58.9 28.8 86.5
150 157.4 0.0 348.8

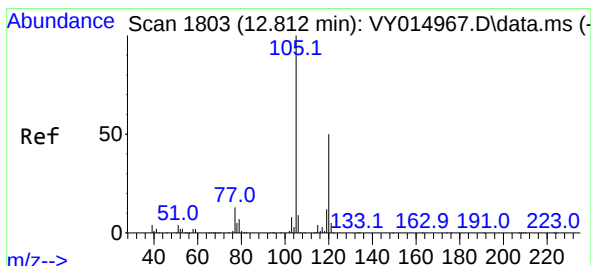
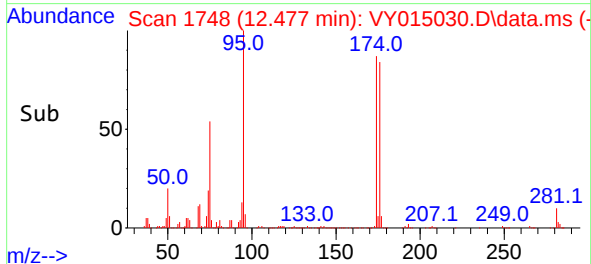
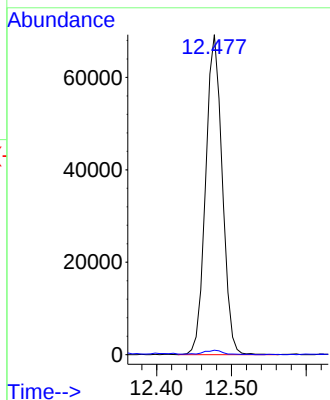
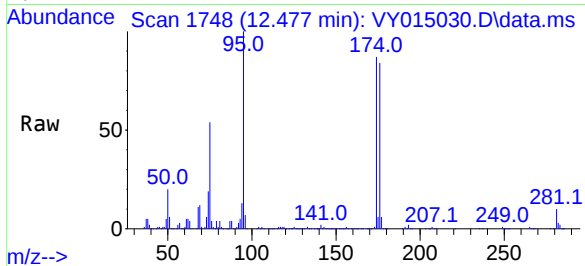




#76
1,2,3-Trichloropropane
Concen: 41.712 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

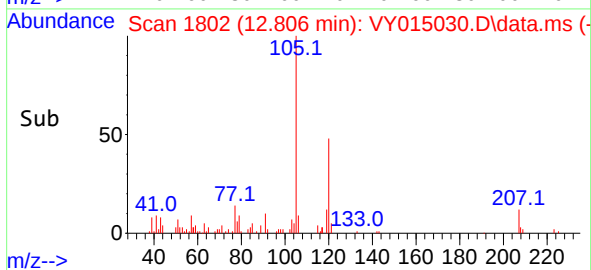
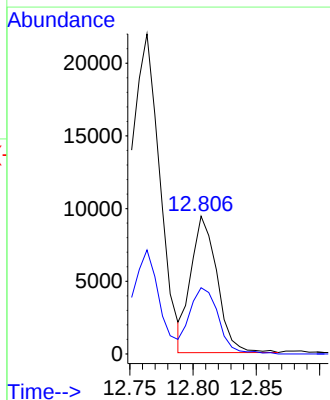
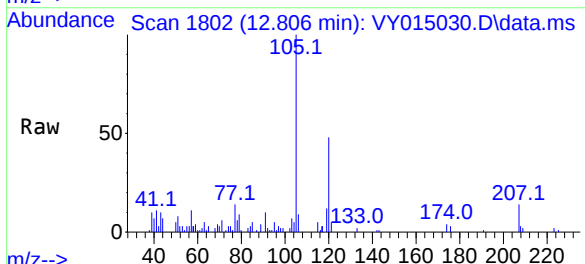
Instrument :
MSVOA_Y
ClientSampleId :

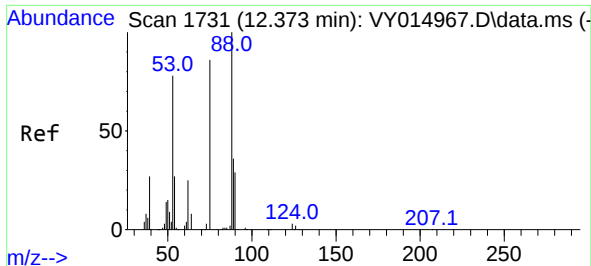
Tgt Ion: 75 Resp: 106888
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.143 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

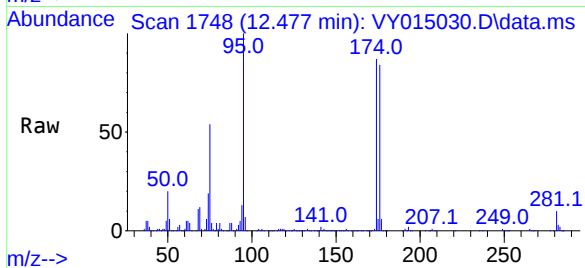
Tgt Ion: 105 Resp: 13543
Ion Ratio Lower Upper
105 100
120 53.5 23.9 71.7



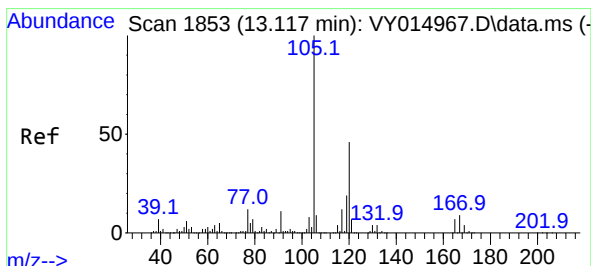
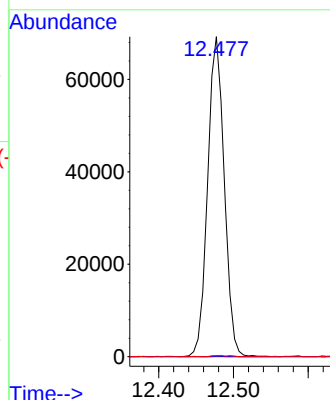
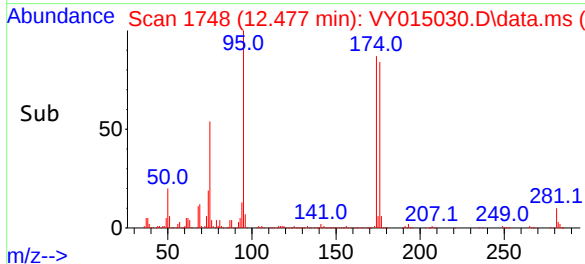


#81
trans-1,4-Dichloro-2-butene
Concen: 91.893 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Instrument :
MSVOA_Y
ClientSampleId :

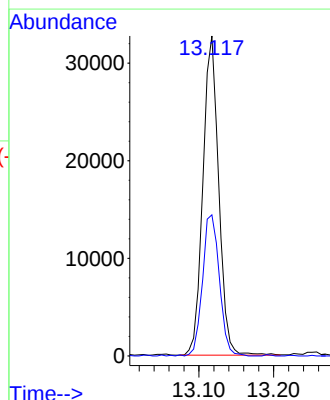
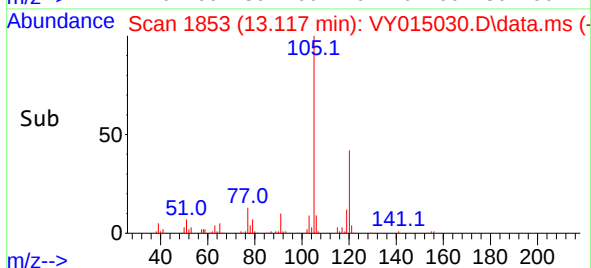
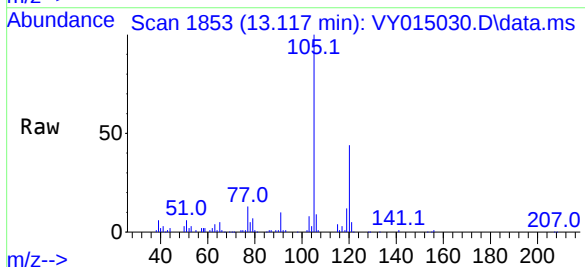


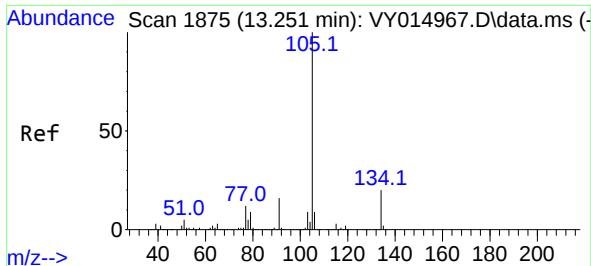
Tgt Ion: 75 Resp: 106888
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.4 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 4.048 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Tgt Ion: 105 Resp: 48043
Ion Ratio Lower Upper
105 100
120 47.1 22.2 66.6

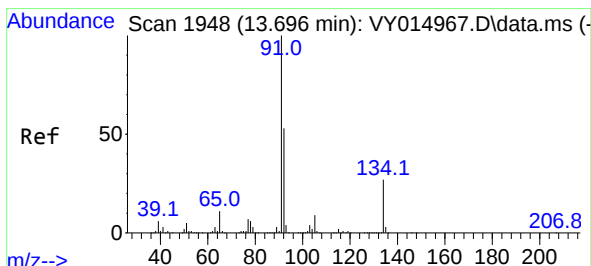
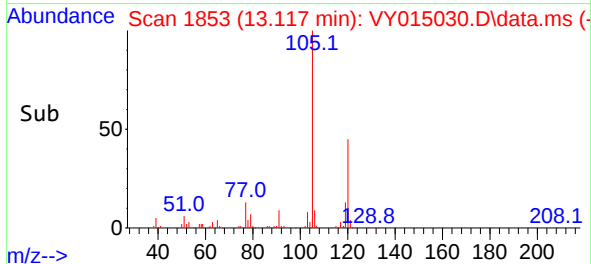
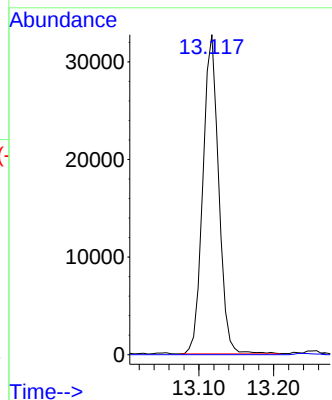
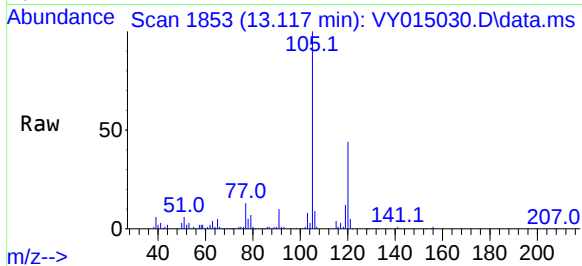




#85
sec-Butylbenzene
Concen: 3.021 ug/l
RT: 13.117 min Scan# 11
Delta R.T. -0.134 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

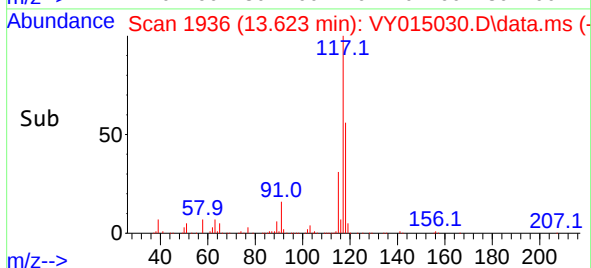
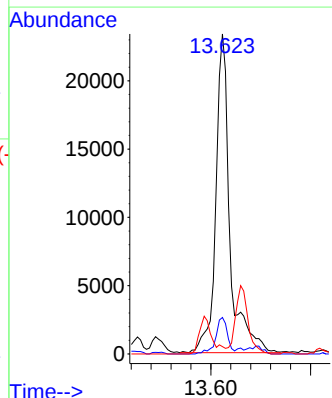
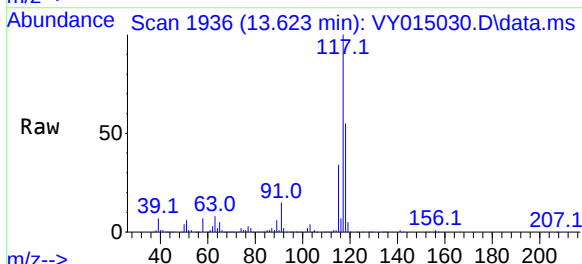
Instrument :
MSVOA_Y
ClientSampleId :

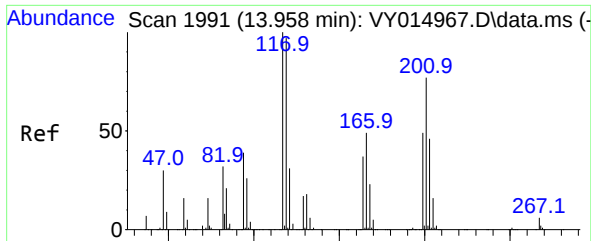
Tgt Ion:105 Resp: 48043
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.6#



#89
n-Butylbenzene
Concen: 3.699 ug/l
RT: 13.623 min Scan# 1936
Delta R.T. -0.073 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

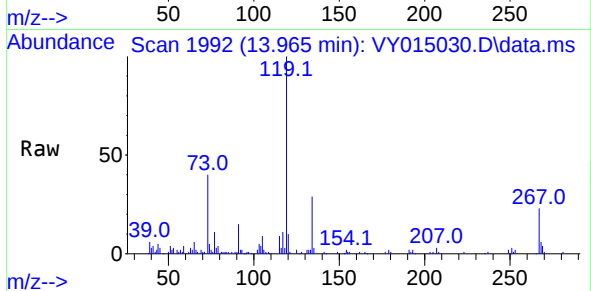
Tgt Ion: 91 Resp: 45764
Ion Ratio Lower Upper
91 100
92 9.6 25.4 76.0#
134 0.0 12.6 37.6#



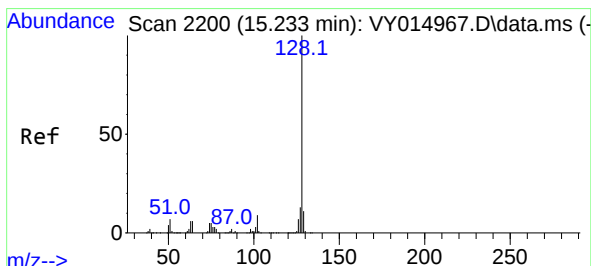
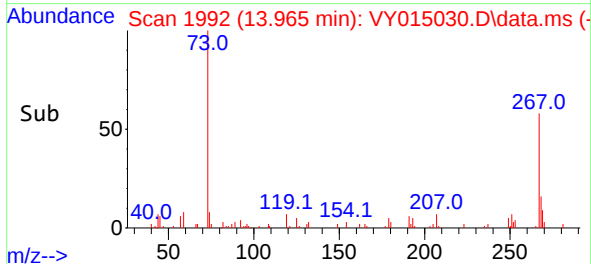
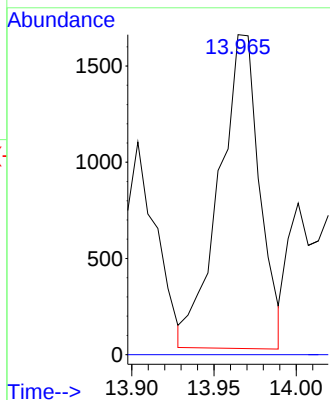


#90
Hexachloroethane
Concen: 1.093 ug/l
RT: 13.965 min Scan# 1991
Delta R.T. 0.006 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:117 Resp: 2795
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#



#95
Naphthalene
Concen: 80.072 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY015030.D
Acq: 10 Aug 2023 16:16

Tgt Ion:128 Resp: 759454
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 11.0 8.6 13.0

