

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015029.D
 Acq On : 10 Aug 2023 15:52
 Operator : SY/MD
 Sample : 03956-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

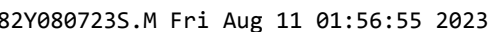
Quant Time: Aug 11 01:56:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

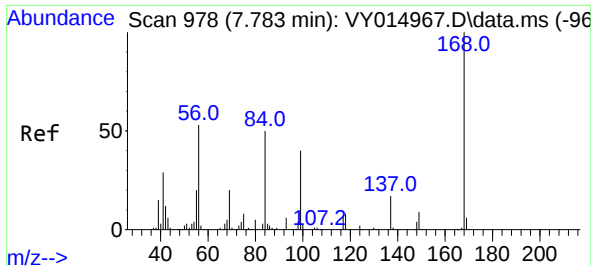
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	254108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	434998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	414402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	216611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	165401	53.704	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.400%			
35) Dibromofluoromethane	7.716	113	138025	49.619	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.240%			
50) Toluene-d8	10.179	98	506545	47.842	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.680%			
62) 4-Bromofluorobenzene	12.477	95	202392	53.935	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	138	Below Cal	#	43
5) Bromomethane	2.656	94	752	Below Cal	#	61
11) Tert butyl alcohol	4.917	59	9774	13.149	ug/l #	91
16) Acetone	3.936	43	5242	5.458	ug/l	99
20) Methylene Chloride	4.704	84	13466	Below Cal	#	91
25) 2-Butanone	6.978	43	4214	3.063	ug/l	92
31) Cyclohexane	7.789	56	5345	Below Cal	#	2
36) 1,1-Dichloropropene	7.777	75	19814	5.737	ug/l #	49
37) Ethyl Acetate	6.978	43	4214	1.537	ug/l #	25
38) Carbon Tetrachloride	7.783	117	25576	6.588	ug/l #	15
67) Ethyl Benzene	11.587	91	102688	7.441	ug/l	99
68) m/p-Xylenes	11.697	106	27789	5.264	ug/l	93
69) o-Xylene	12.026	106	15134	2.930	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	108261	41.711	ug/l #	100
77) Bromobenzene	12.392	156	5512	1.561	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.812	105	21207	1.767	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.477	75	108261	91.890	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	76269	6.344	ug/l	98
85) sec-Butylbenzene	13.117	105	76269	4.734	ug/l #	56
89) n-Butylbenzene	13.623	91	73563	5.871	ug/l #	43
90) Hexachloroethane	13.971	117	4349	1.679	ug/l #	8
95) Naphthalene	15.233	128	1315741	136.959	ug/l	99

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

Quant Time: Aug 11 01:56:49 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

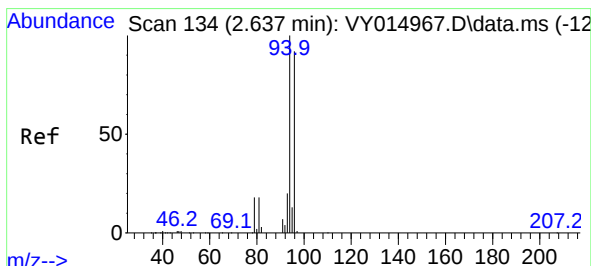
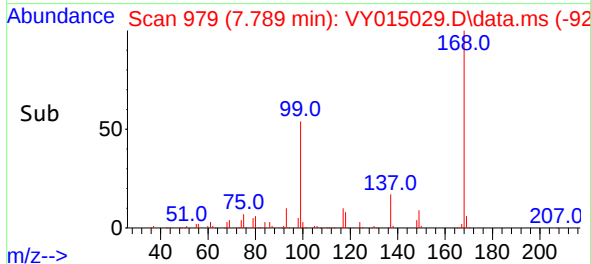
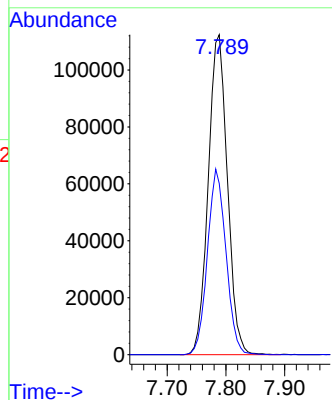
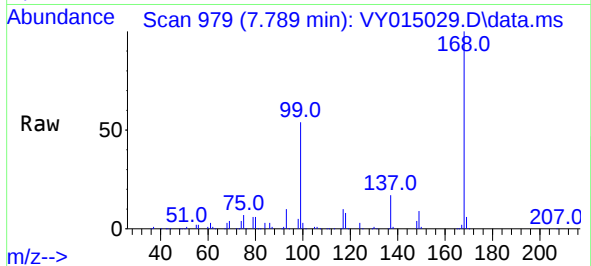




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

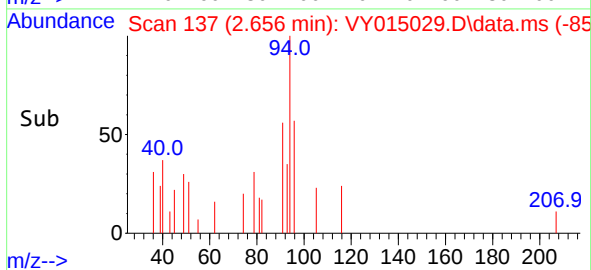
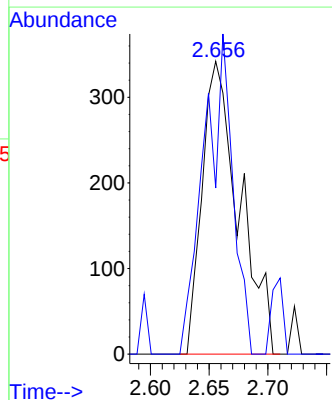
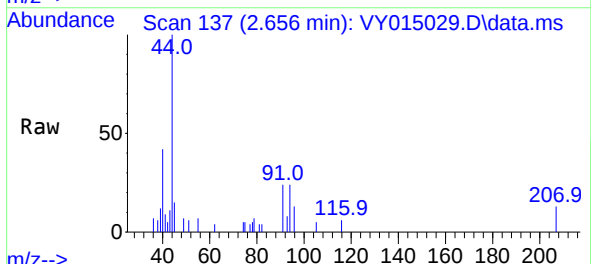
Instrument :
MSVOA_Y
ClientSampleId :

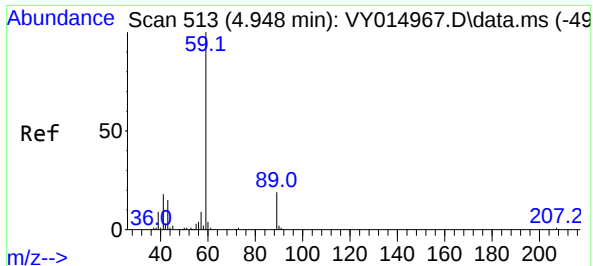
Tgt Ion:168 Resp: 254108
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

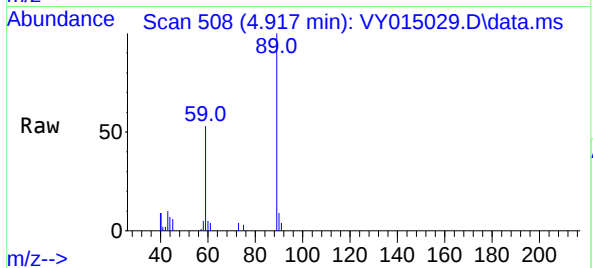
Tgt Ion: 94 Resp: 752
Ion Ratio Lower Upper
94 100
96 56.7 75.8 113.6#



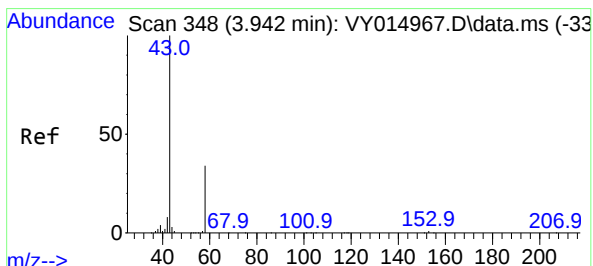
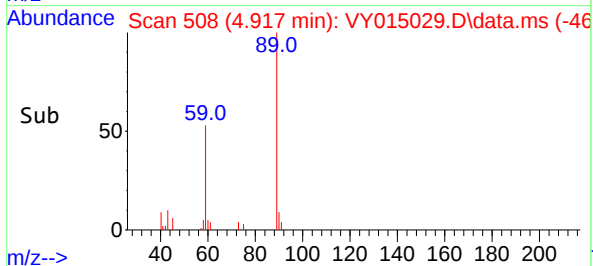
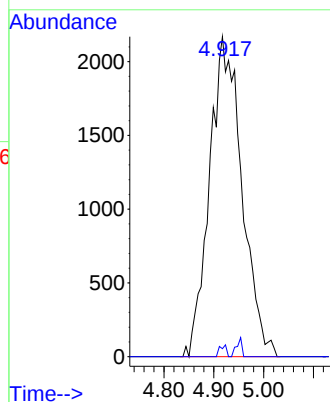


#11
Tert butyl alcohol
Concen: 13.149 ug/l
RT: 4.917 min Scan# 50
Delta R.T. -0.031 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Instrument :
MSVOA_Y
ClientSampleId :

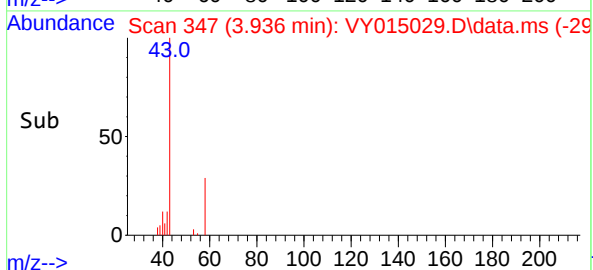
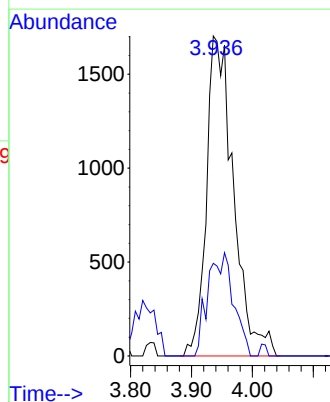
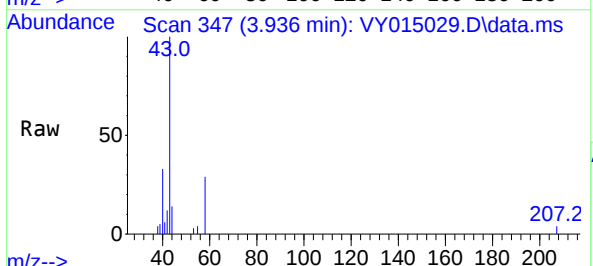


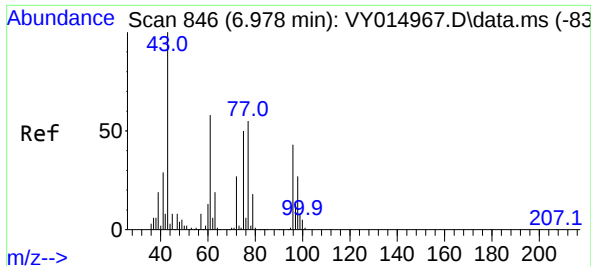
Tgt Ion: 59 Resp: 9774
Ion Ratio Lower Upper
59 100
57 0.8 3.0 4.4#



#16
Acetone
Concen: 5.458 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

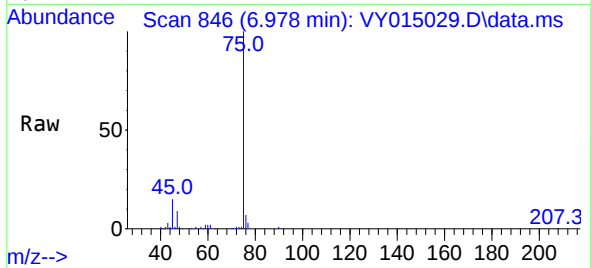
Tgt Ion: 43 Resp: 5242
Ion Ratio Lower Upper
43 100
58 28.9 22.7 34.1



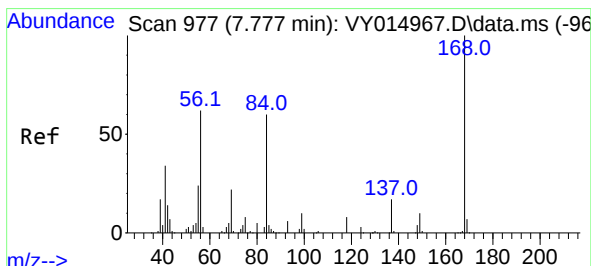
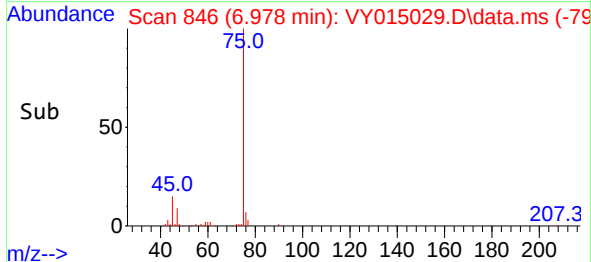
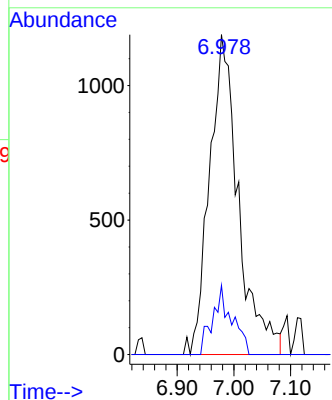


#25
2-Butanone
Concen: 3.063 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Instrument :
MSVOA_Y
ClientSampleId :

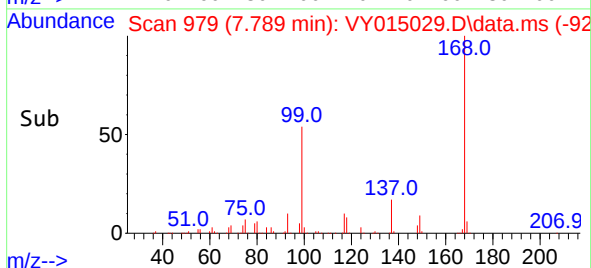
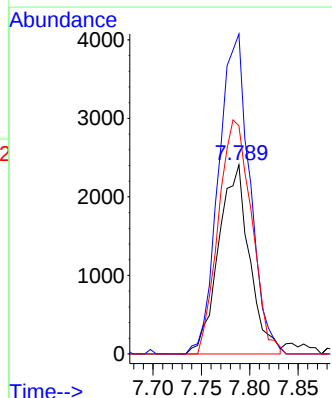
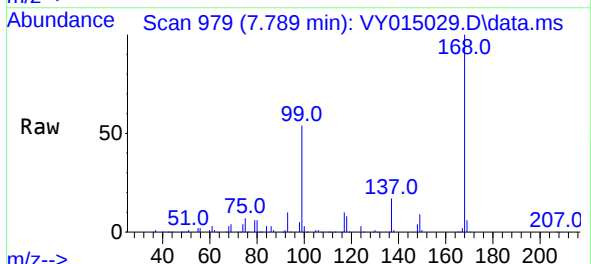


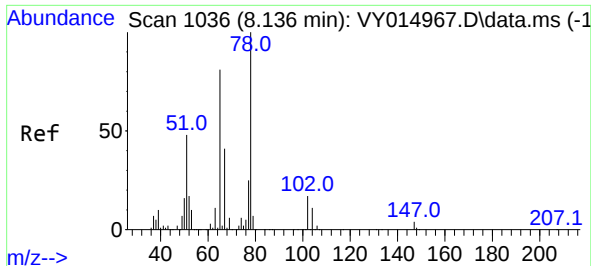
Tgt Ion: 43 Resp: 4214
Ion Ratio Lower Upper
43 100
72 21.6 20.5 30.7



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Tgt Ion: 56 Resp: 5345
Ion Ratio Lower Upper
56 100
69 169.2 27.8 41.6#
84 120.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 53.704 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015029.D

Acq: 10 Aug 2023 15:52

Instrument :

MSVOA_Y

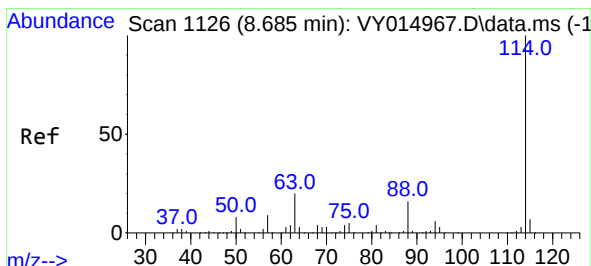
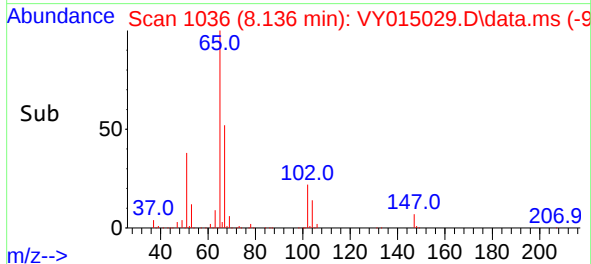
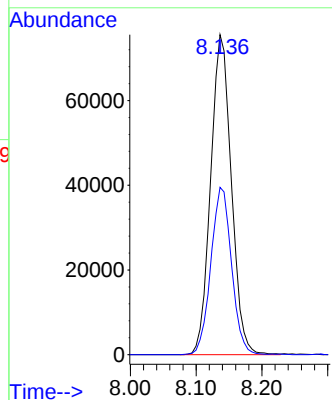
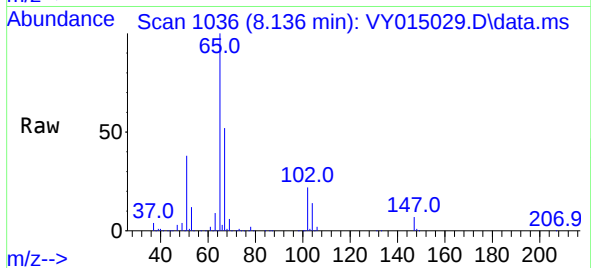
ClientSampleId :

Tgt Ion: 65 Resp: 165401

Ion Ratio Lower Upper

65 100

67 52.2 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: VY015029.D

Acq: 10 Aug 2023 15:52

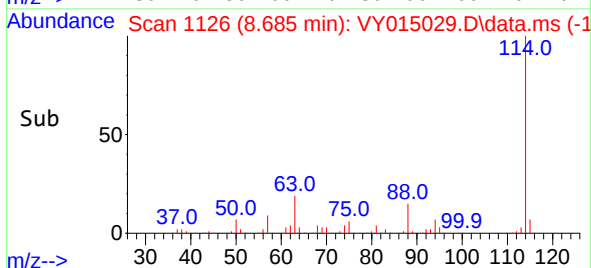
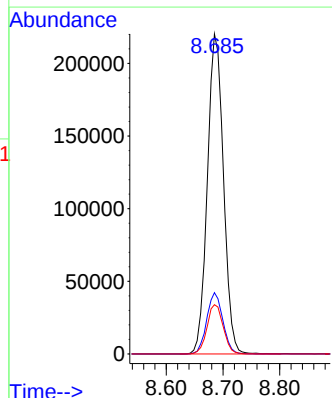
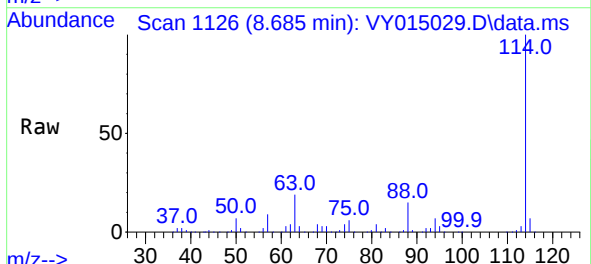
Tgt Ion: 114 Resp: 434998

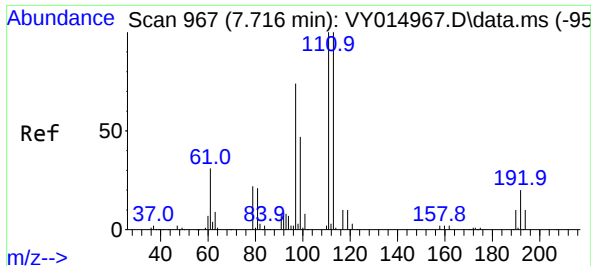
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

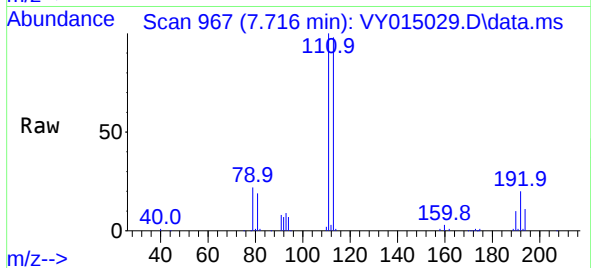
88 15.4 0.0 30.6



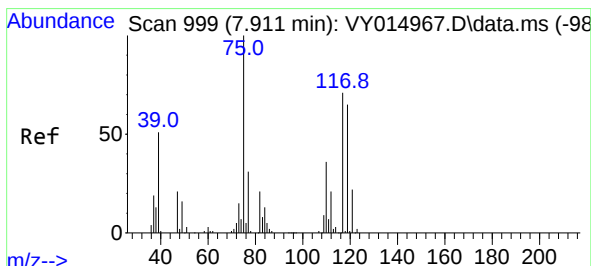
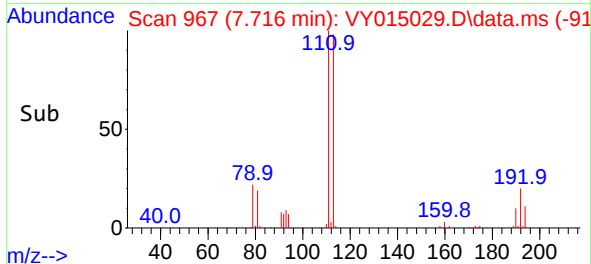
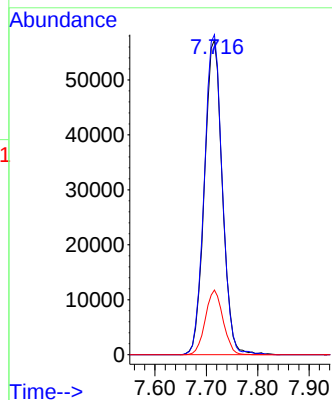


#35
Dibromofluoromethane
Concen: 49.619 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Instrument :
MSVOA_Y
ClientSampleId :

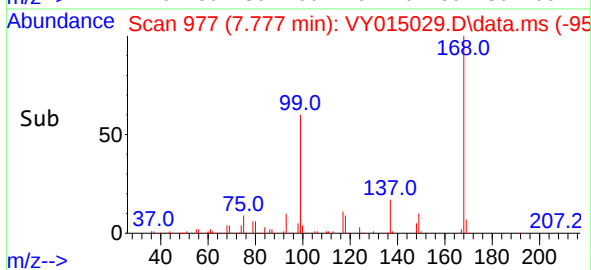
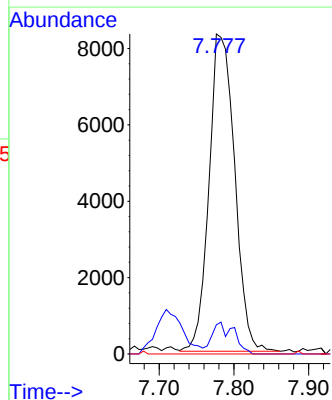
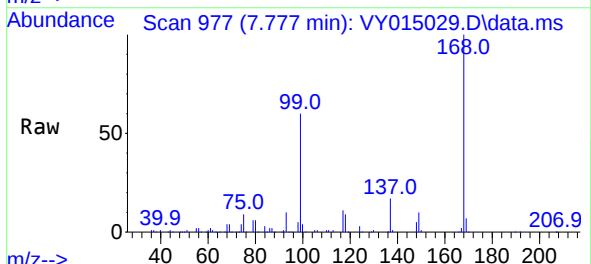


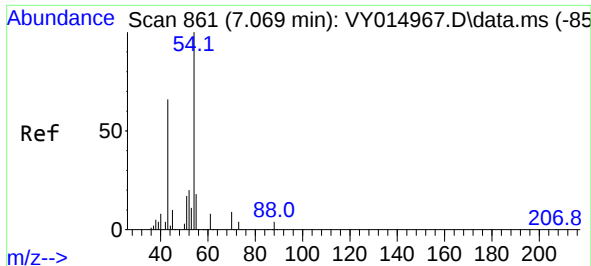
Tgt Ion:113 Resp: 138025
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 20.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.737 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Tgt Ion: 75 Resp: 19814
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.537 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

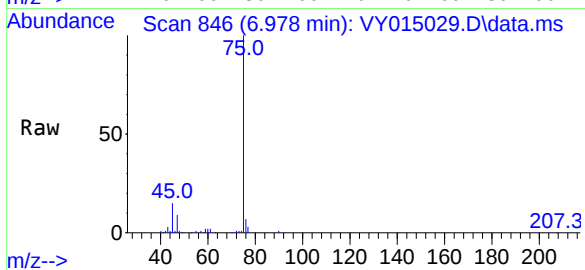
Lab File: VY015029.D

Acq: 10 Aug 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :



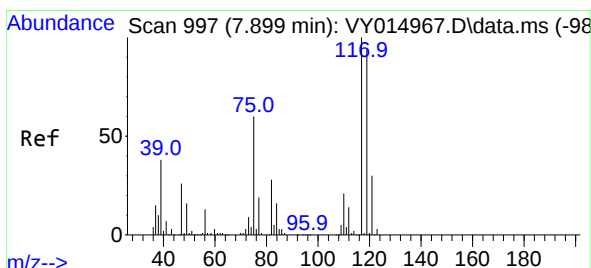
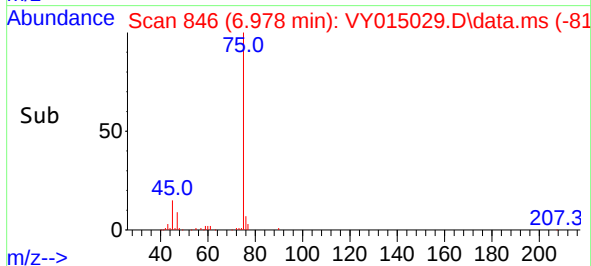
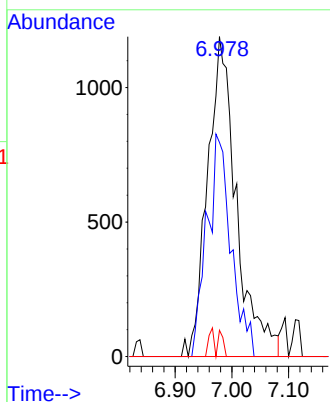
Tgt Ion: 43 Resp: 4214

Ion Ratio Lower Upper

43 100

61 57.6 10.1 15.1#

70 1.5 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.588 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015029.D

Acq: 10 Aug 2023 15:52

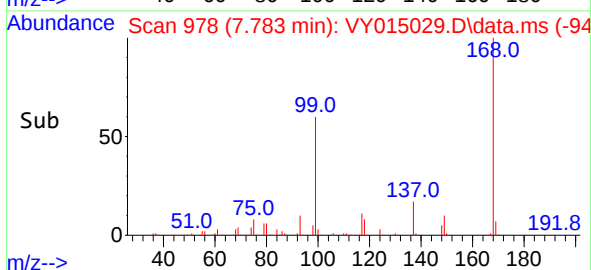
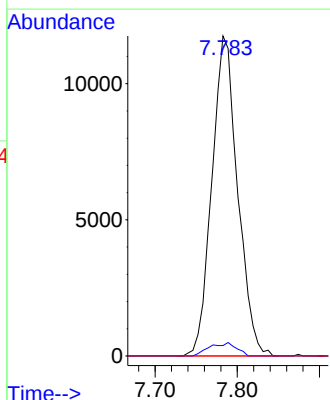
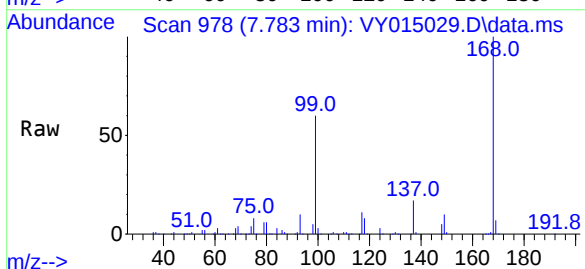
Tgt Ion: 117 Resp: 25576

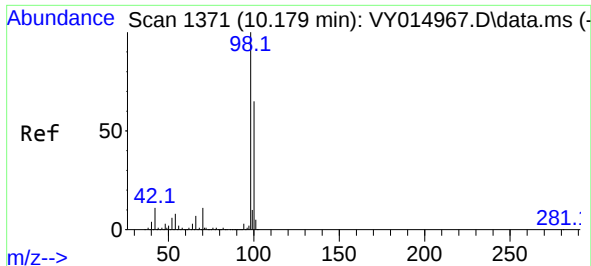
Ion Ratio Lower Upper

117 100

119 3.3 76.4 114.6#

121 0.0 25.8 38.6#

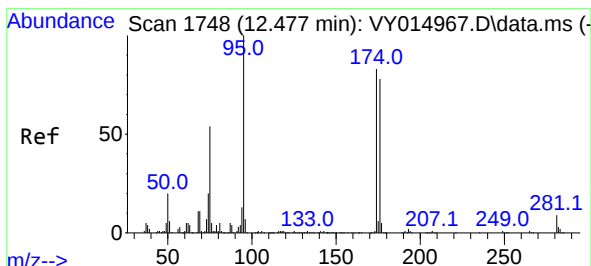
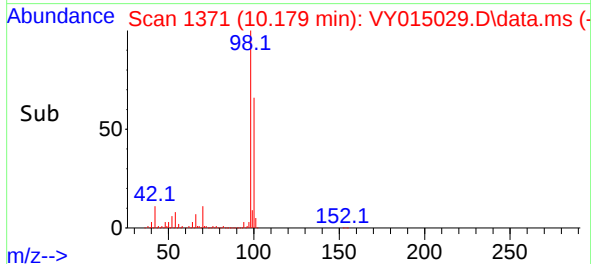
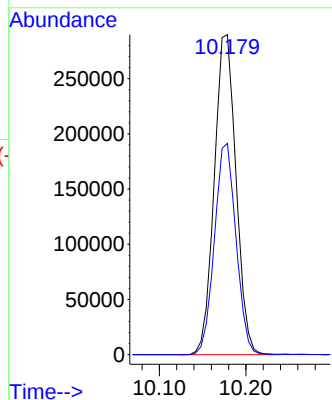
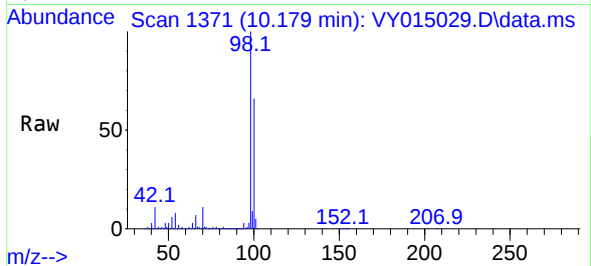




#50
Toluene-d8
Concen: 47.842 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

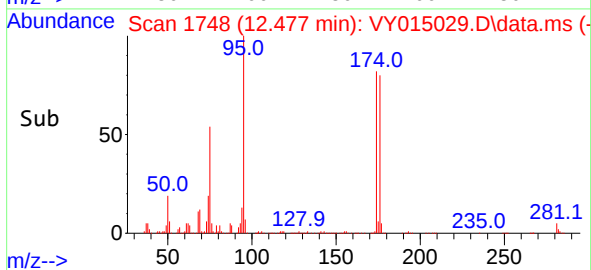
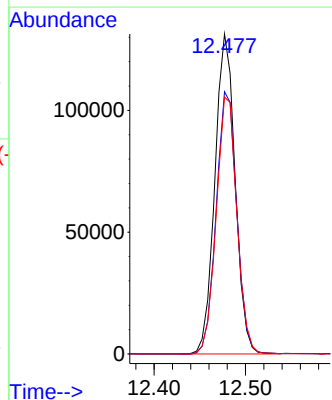
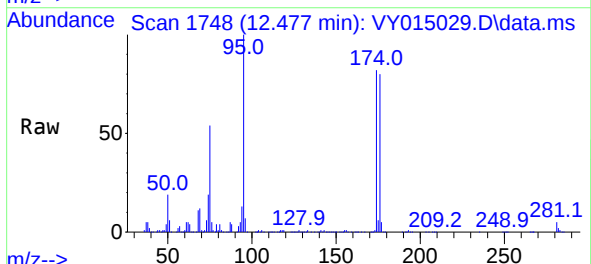
Instrument :
MSVOA_Y
ClientSampleId :

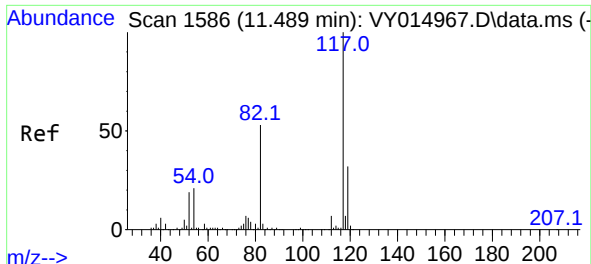
Tgt Ion: 98 Resp: 506545
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 53.935 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

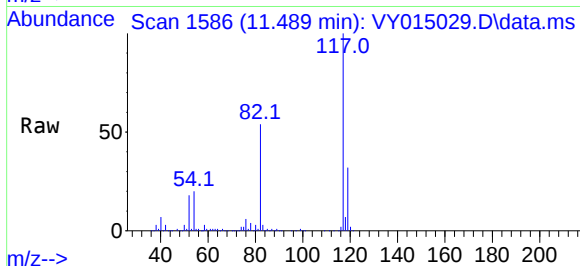
Tgt Ion: 95 Resp: 202392
Ion Ratio Lower Upper
95 100
174 83.2 0.0 178.2
176 81.7 0.0 173.8



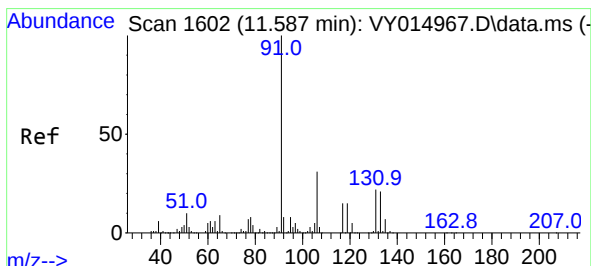
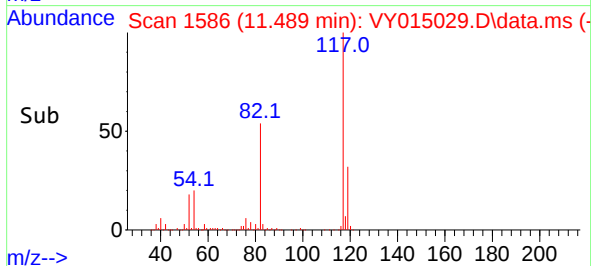
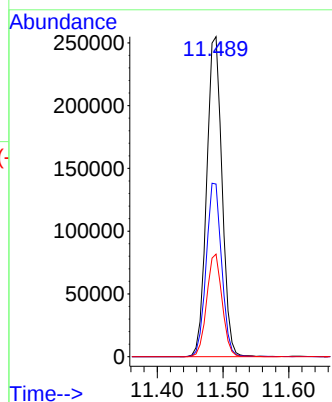


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Instrument :
MSVOA_Y
ClientSampleId :

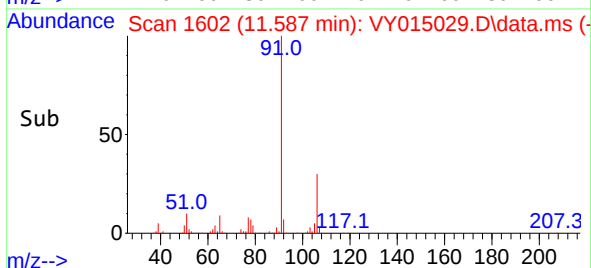
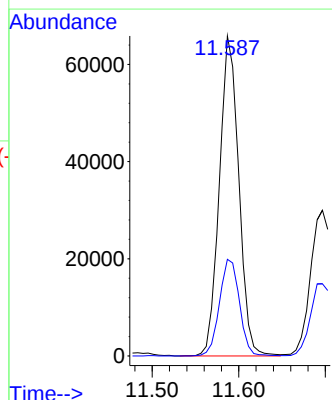
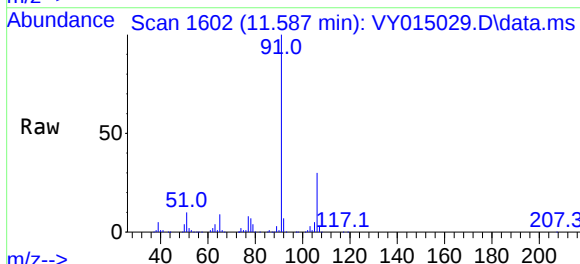


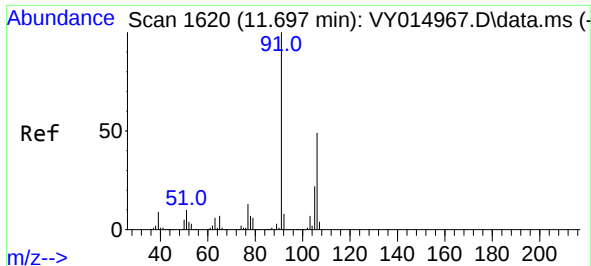
Tgt Ion:117 Resp: 414402
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 32.1 26.3 39.5



#67
Ethyl Benzene
Concen: 7.441 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Tgt Ion: 91 Resp: 102688
Ion Ratio Lower Upper
91 100
106 30.2 24.6 36.8

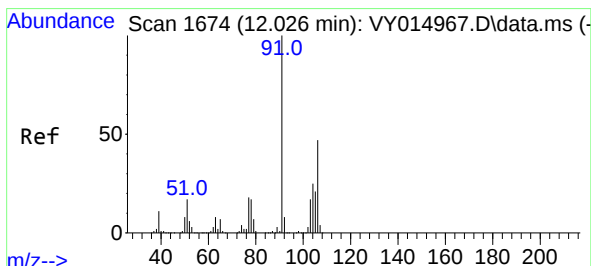
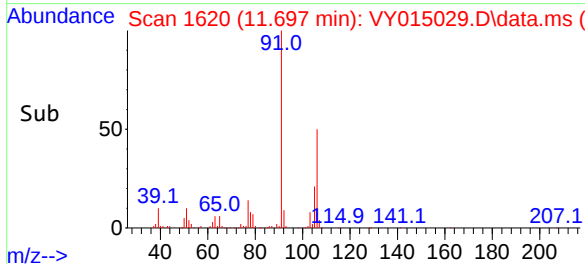
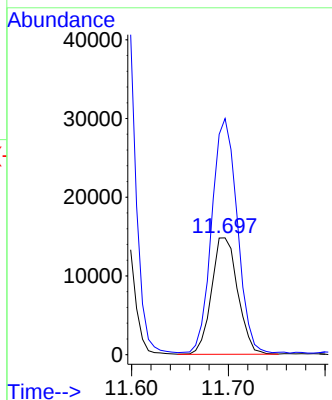
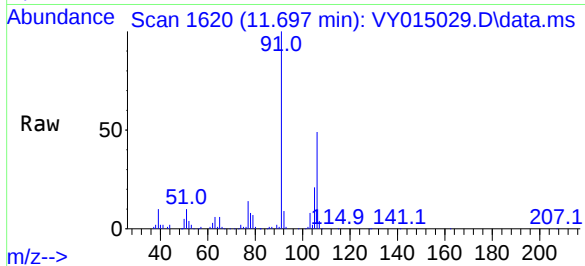




#68
m/p-Xylenes
Concen: 5.264 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

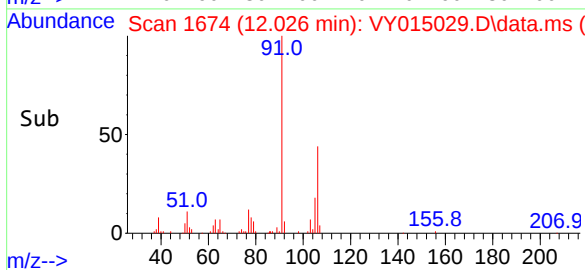
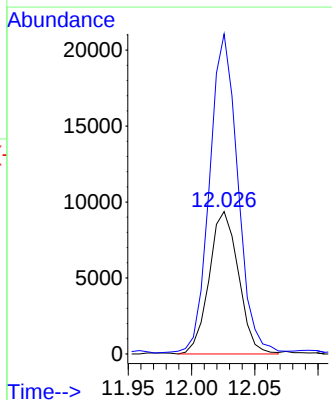
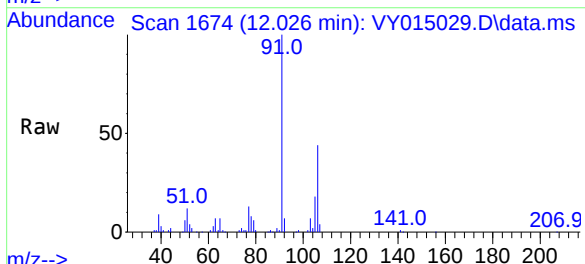
Instrument :
MSVOA_Y
ClientSampleId :

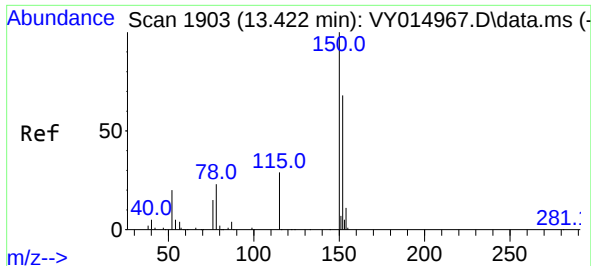
Tgt Ion:106 Resp: 27789
Ion Ratio Lower Upper
106 100
91 197.0 166.1 249.1



#69
o-Xylene
Concen: 2.930 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

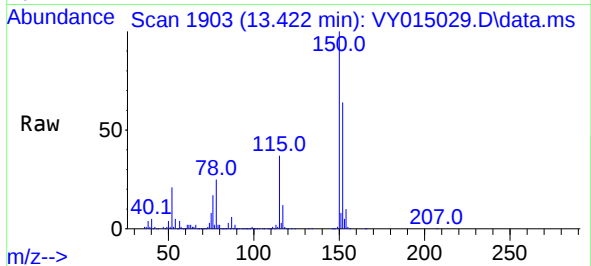
Tgt Ion:106 Resp: 15134
Ion Ratio Lower Upper
106 100
91 215.1 108.1 324.3



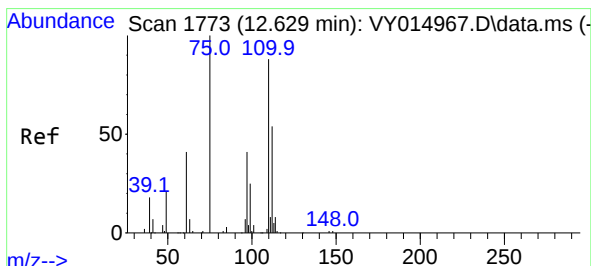
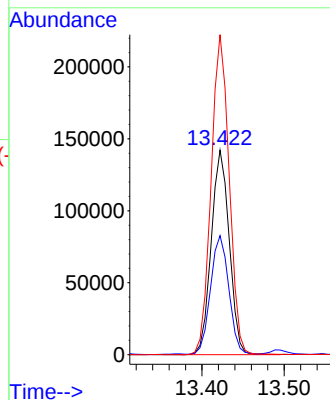
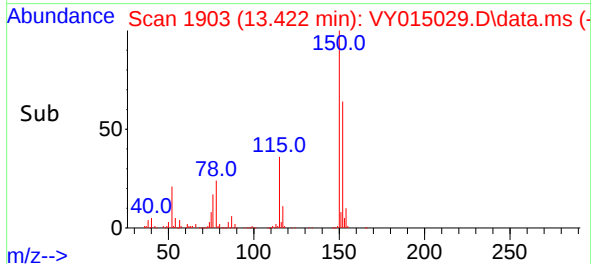


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Instrument :
MSVOA_Y
ClientSampleId :

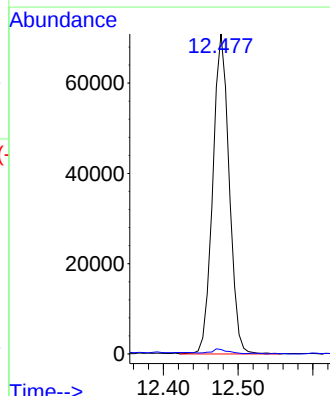
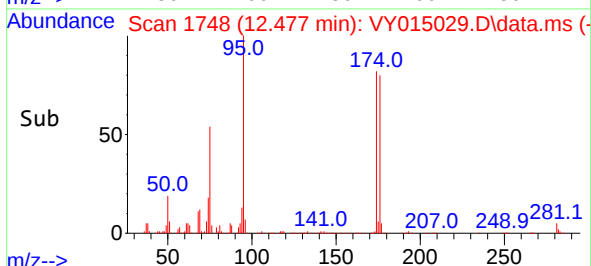
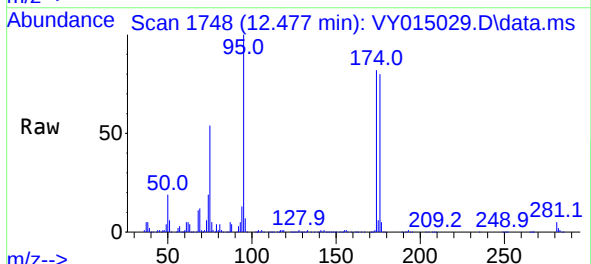


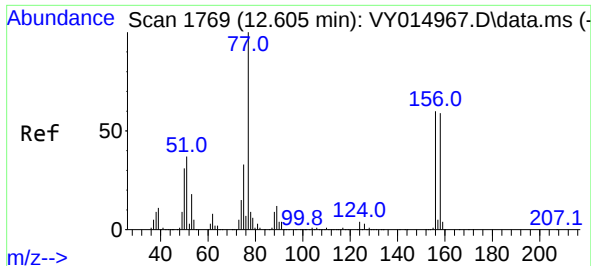
Tgt Ion:152 Resp: 216611
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 156.6 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 41.711 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Tgt Ion: 75 Resp: 108261
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

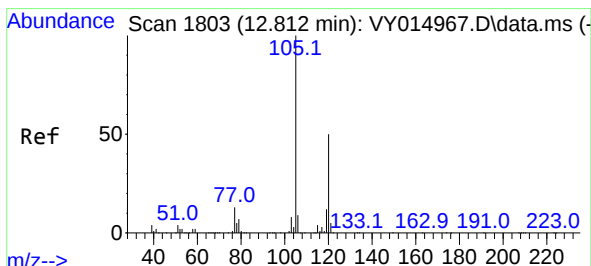
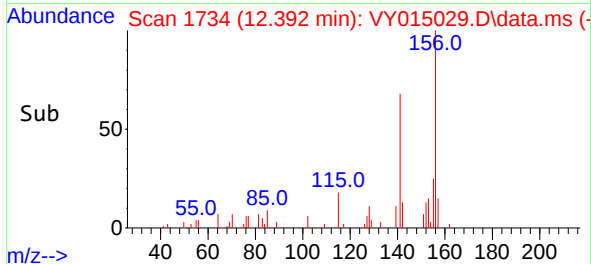
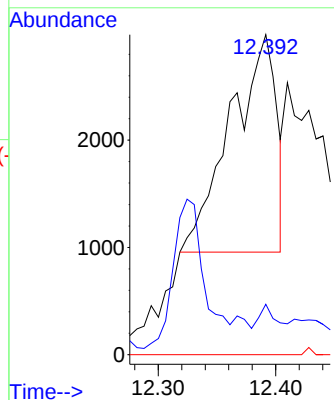
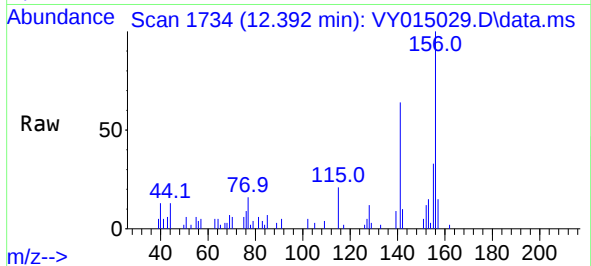




#77
Bromobenzene
Concen: 1.561 ug/l
RT: 12.392 min Scan# 11
Delta R.T. -0.213 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

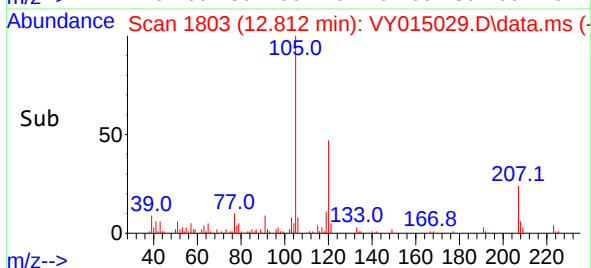
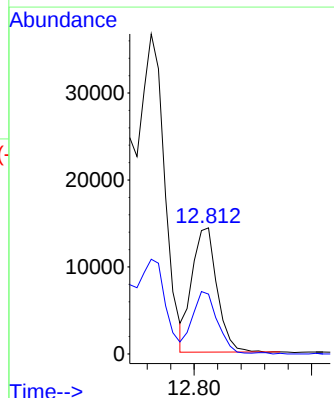
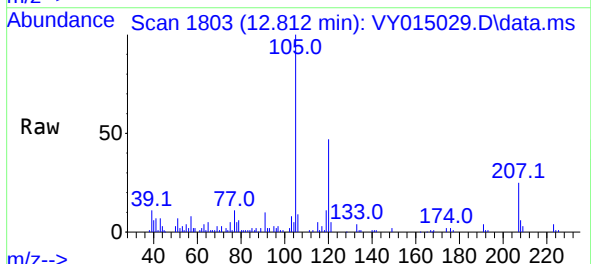
Instrument :
MSVOA_Y
ClientSampleId :

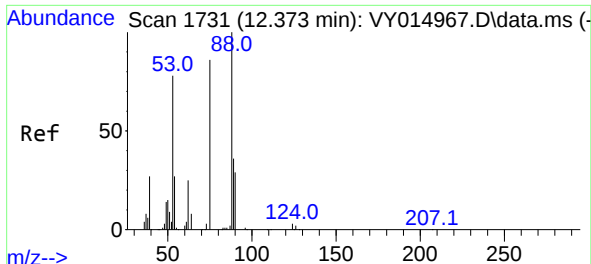
Tgt Ion:156 Resp: 5512
Ion Ratio Lower Upper
156 100
77 0.0 92.8 278.6#
158 0.0 48.4 145.3#



#80
1,3,5-Trimethylbenzene
Concen: 1.767 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Tgt Ion:105 Resp: 21207
Ion Ratio Lower Upper
105 100
120 49.0 23.9 71.7

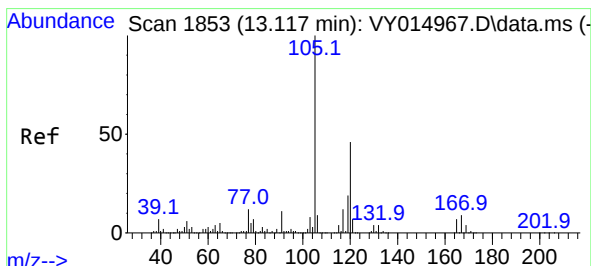
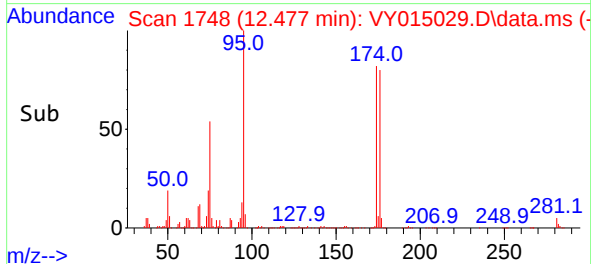
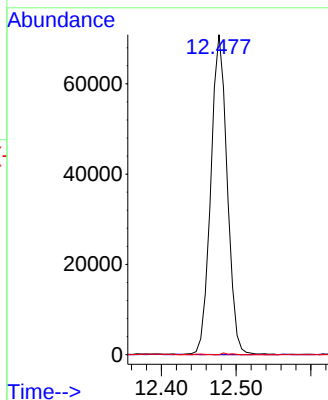
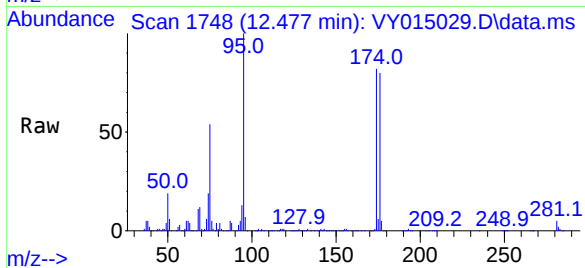




#81
trans-1,4-Dichloro-2-butene
Concen: 91.890 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

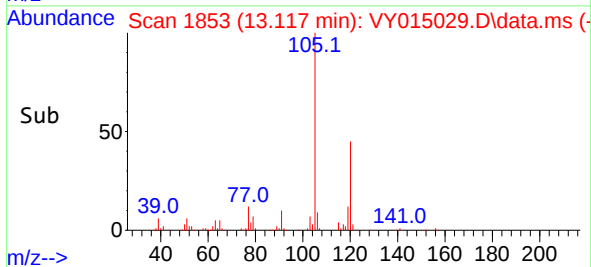
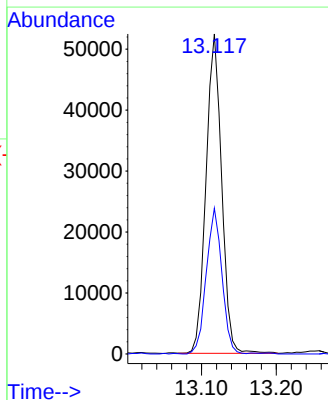
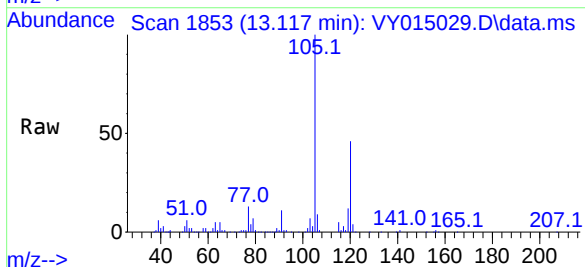
Instrument :
MSVOA_Y
ClientSampleId :

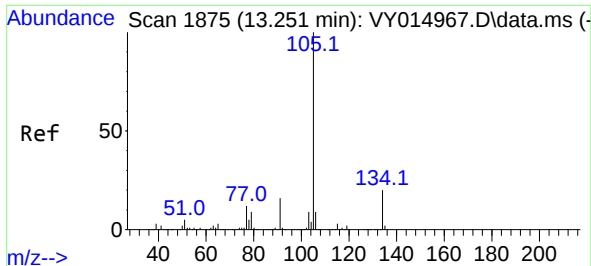
Tgt Ion: 75 Resp: 108261
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.3 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 6.344 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Tgt Ion:105 Resp: 76269
Ion Ratio Lower Upper
105 100
120 45.6 22.2 66.6

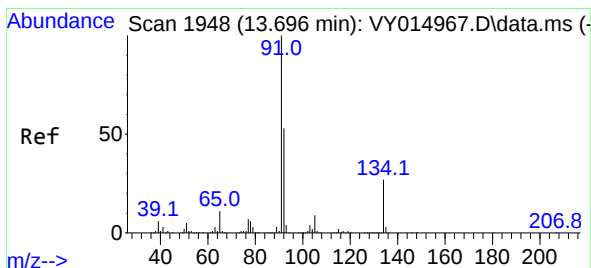
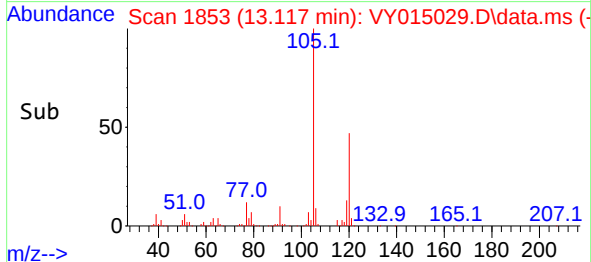
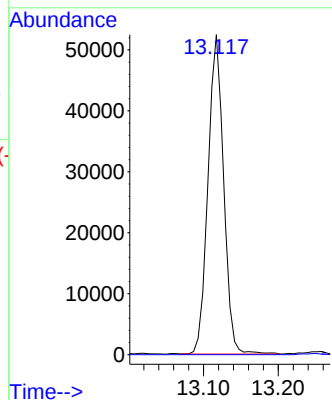
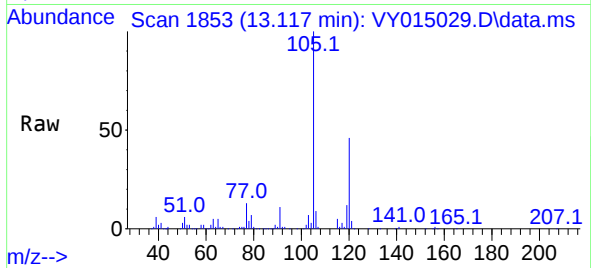




#85
sec-Butylbenzene
Concen: 4.734 ug/l
RT: 13.117 min Scan# 1875
Delta R.T. -0.134 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

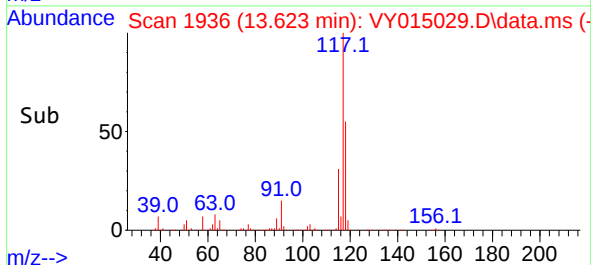
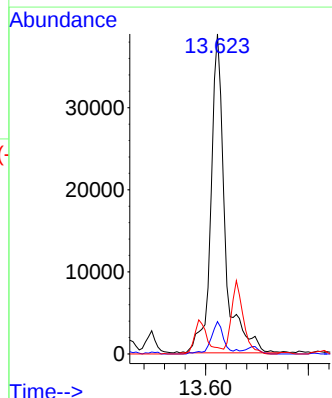
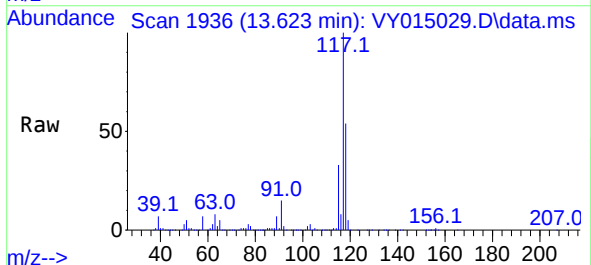
Instrument :
MSVOA_Y
ClientSampleId :

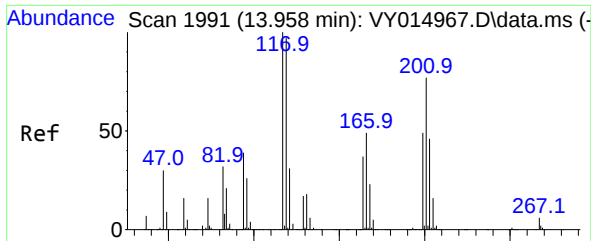
Tgt Ion:105 Resp: 76269
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.6#



#89
n-Butylbenzene
Concen: 5.871 ug/l
RT: 13.623 min Scan# 1936
Delta R.T. -0.073 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

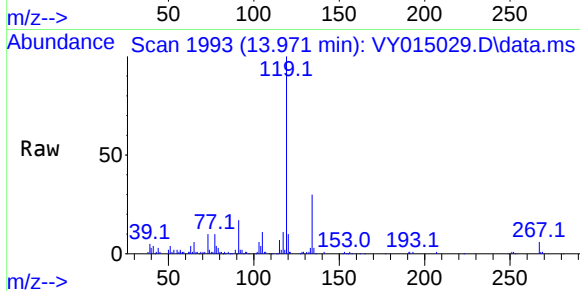
Tgt Ion: 91 Resp: 73563
Ion Ratio Lower Upper
91 100
92 9.0 25.4 76.0#
134 0.0 12.6 37.6#



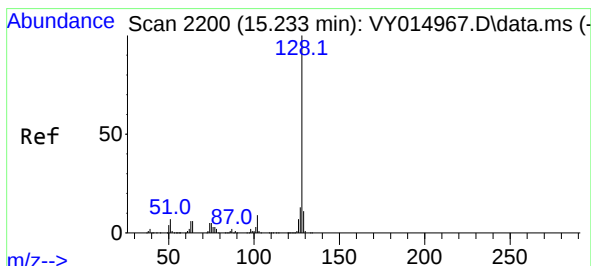
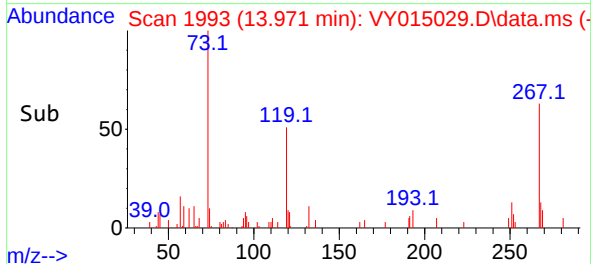
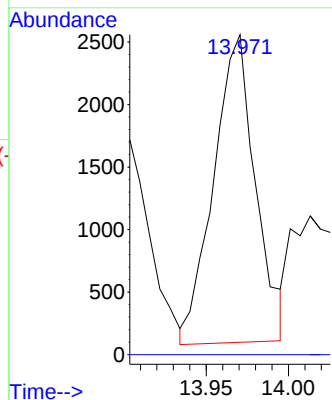


#90
Hexachloroethane
Concen: 1.679 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:117 Resp: 4349
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#



#95
Naphthalene
Concen: 136.959 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY015029.D
Acq: 10 Aug 2023 15:52

Tgt Ion:128 Resp: 1315741
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 10.9 8.6 13.0

