

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092222\
 Data File : VX031583.D
 Acq On : 22 Sep 2022 20:14
 Operator : JC/MD
 Sample : N4751-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-9-21-22

Quant Time: Sep 23 01:51:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

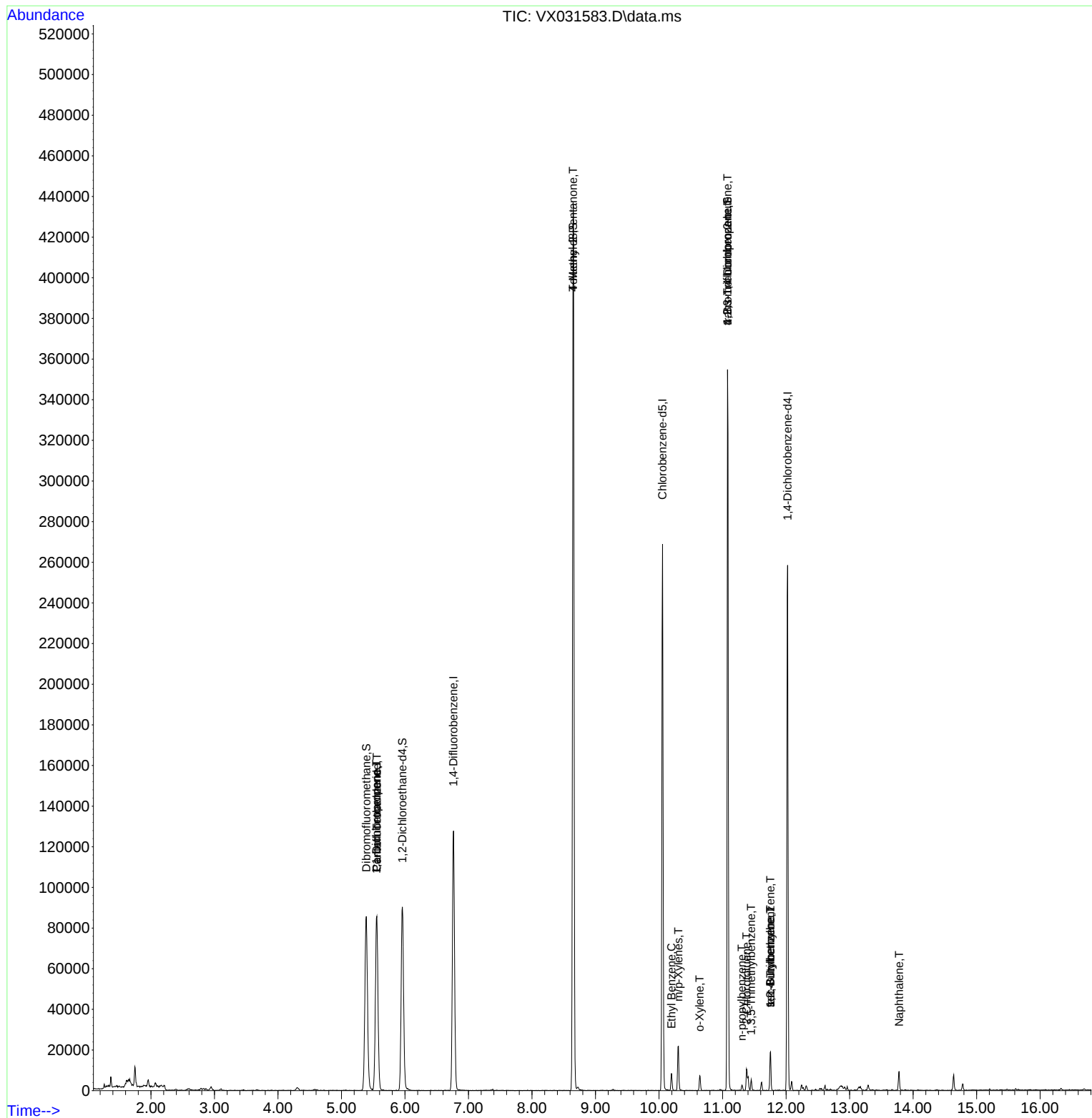
Internal Standards						
1) Pentafluorobenzene	5.556	168	83776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	131666	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	116954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82922	53.957	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.920%			
35) Dibromofluoromethane	5.391	113	69953	51.422	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.840%			
50) Toluene-d8	8.647	98	259656	49.499	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.000%			
62) 4-Bromofluorobenzene	11.079	95	79467	44.723	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.440%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	91	Below Cal	#	14
11) Tert butyl alcohol	2.941	59	1042	Below Cal	#	73
13) Acrolein	2.203	56	22	Below Cal	#	1
16) Acetone	2.398	43	538	Below Cal	#	45
20) Methylene Chloride	2.800	84	241	Below Cal	#	25
36) 1,1-Dichloropropene	5.550	75	6440	3.077	ug/l #	50
38) Carbon Tetrachloride	5.556	117	8136	3.507	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1200	0.486	ug/l #	1
67) Ethyl Benzene	10.195	91	4900	0.769	ug/l	94
68) m/p-Xylenes	10.305	106	5248	2.051	ug/l	99
69) o-Xylene	10.640	106	1919	0.786	ug/l	79
75) 1,1,2,2-Tetrachloroethane	11.079	83	67	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	45029	37.986	ug/l #	37
78) n-propylbenzene	11.305	91	1562	0.342	ug/l	96
79) 2-Chlorotoluene	11.378	91	1031	0.380	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	2432	0.723	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	45029	122.310	ug/l #	11
83) tert-Butylbenzene	11.756	119	1139	0.349	ug/l #	53
84) 1,2,4-Trimethylbenzene	11.756	105	8143	2.456	ug/l	94
85) sec-Butylbenzene	11.756	105	8143	1.972	ug/l #	56
95) Naphthalene	13.780	128	6389	1.678	ug/l	99

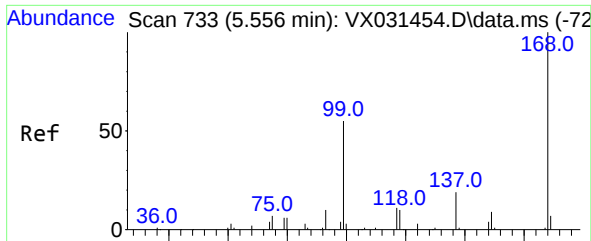
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
TB-9-21-22

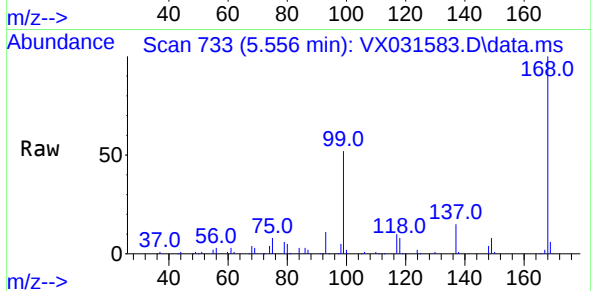
Quant Time: Sep 23 01:51:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration



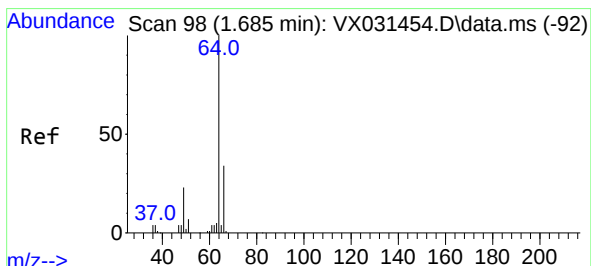
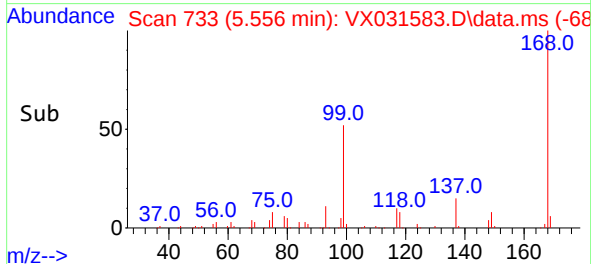
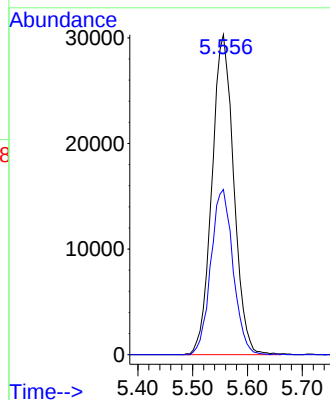


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

Instrument :
MSVOA_X
ClientSampleId :
TB-9-21-22

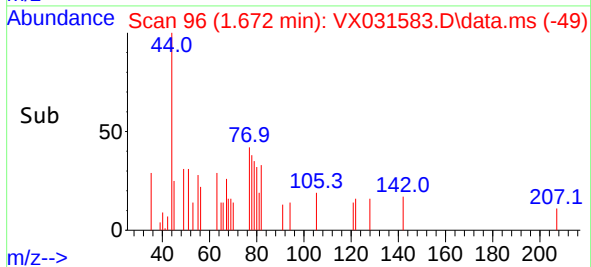
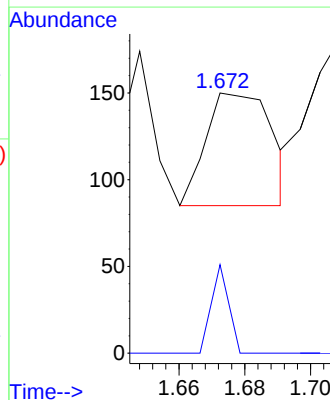
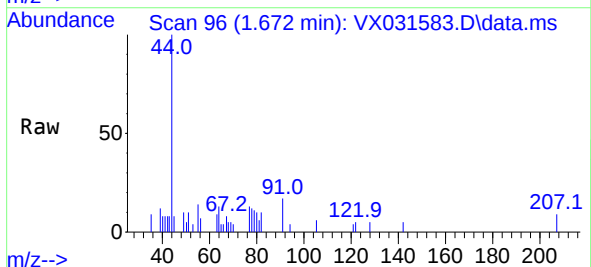


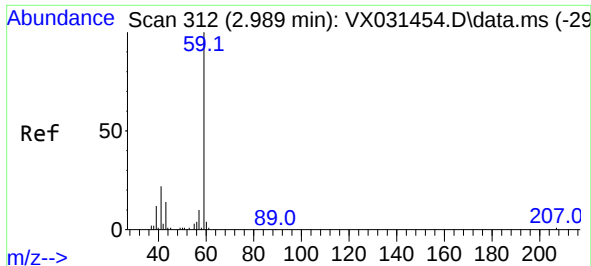
Tgt Ion:168 Resp: 83776
Ion Ratio Lower Upper
168 100
99 51.6 48.8 73.2



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.013 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 78.5 25.0 37.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 304

Delta R.T. -0.048 min

Lab File: VX031583.D

Acq: 22 Sep 2022 20:14

Instrument :

MSVOA_X

ClientSampleId :

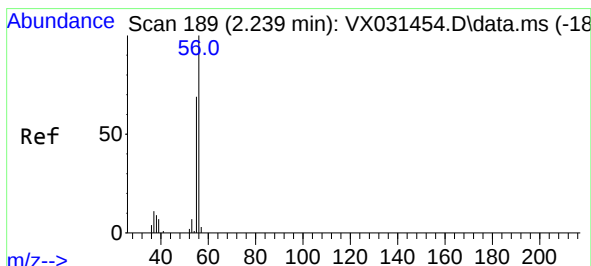
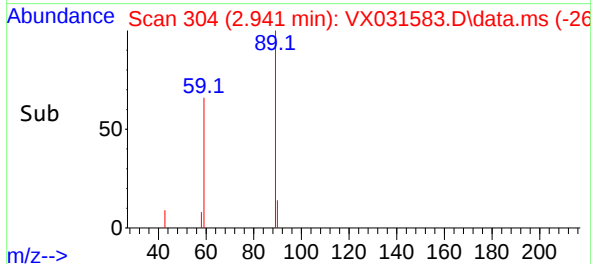
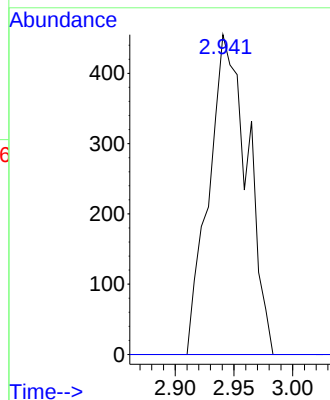
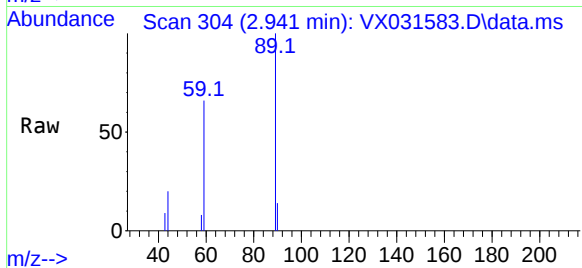
TB-9-21-22

Tgt Ion: 59 Resp: 1042

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: Below Cal

RT: 2.203 min Scan# 183

Delta R.T. -0.036 min

Lab File: VX031583.D

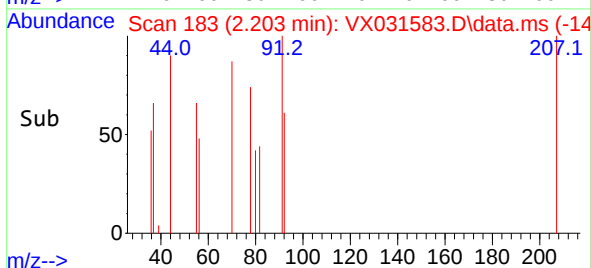
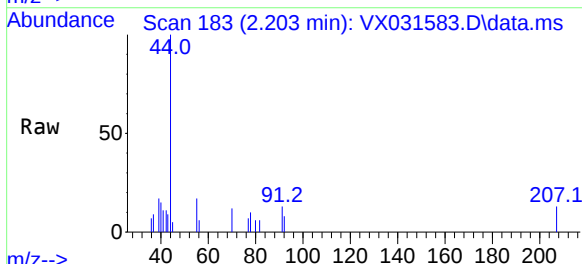
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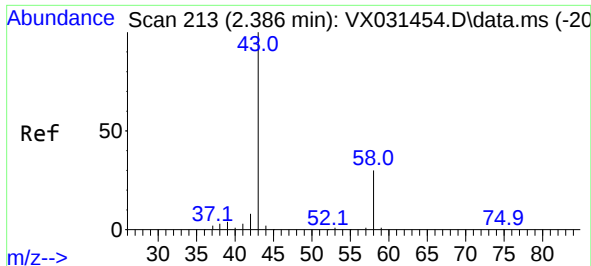
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 2022.7 56.0 84.0#

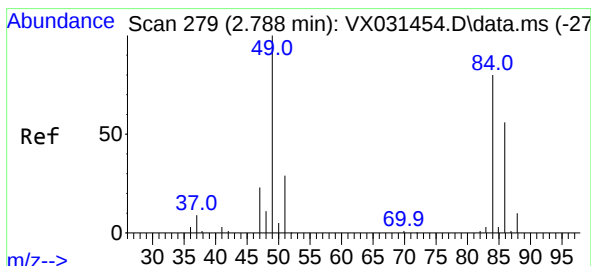
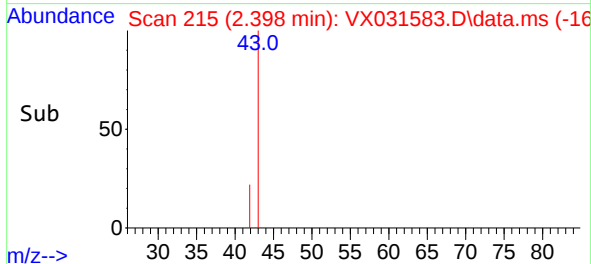
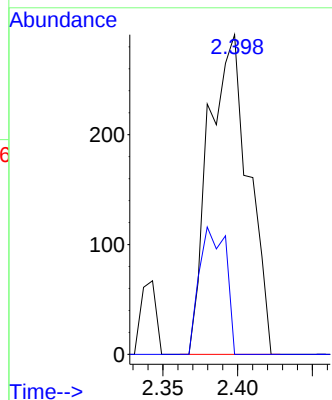
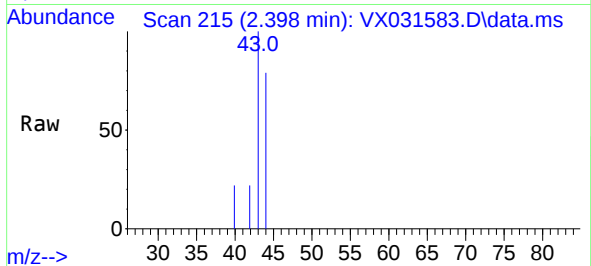




#16
Acetone
Concen: Below Cal
RT: 2.398 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

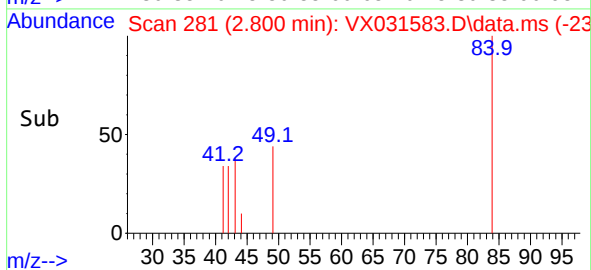
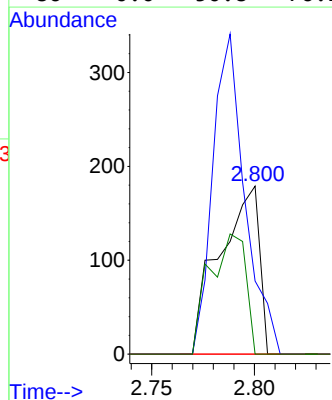
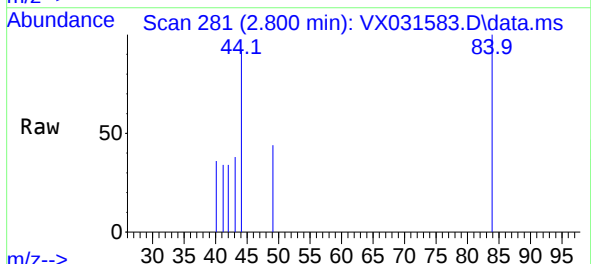
Instrument :
MSVOA_X
ClientSampleId :
TB-9-21-22

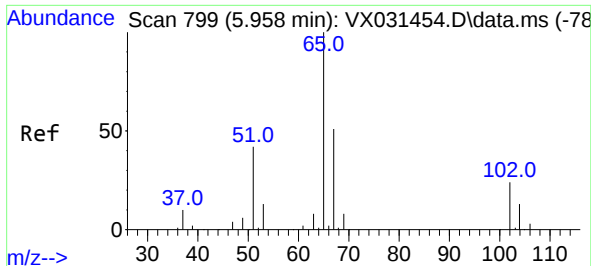
Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

Tgt Ion: 84 Resp: 241
Ion Ratio Lower Upper
84 100
49 43.6 105.9 158.9#
51 0.0 32.2 48.2#
86 0.0 50.8 76.2#





#33

1,2-Dichloroethane-d4

Concen: 53.957 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031583.D

Acq: 22 Sep 2022 20:14

Instrument :

MSVOA_X

ClientSampleId :

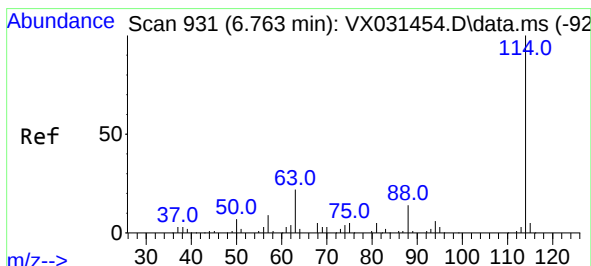
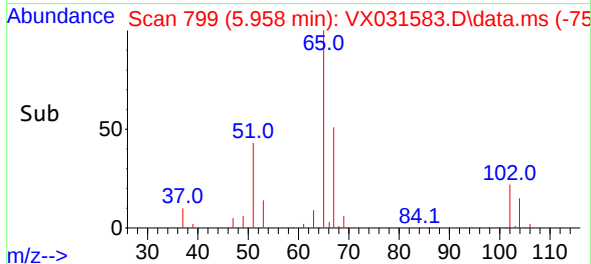
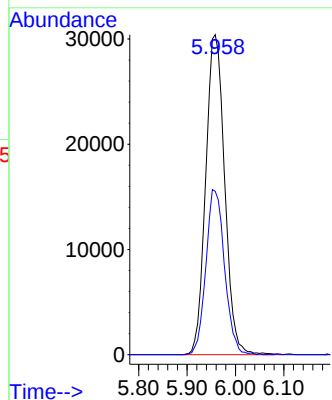
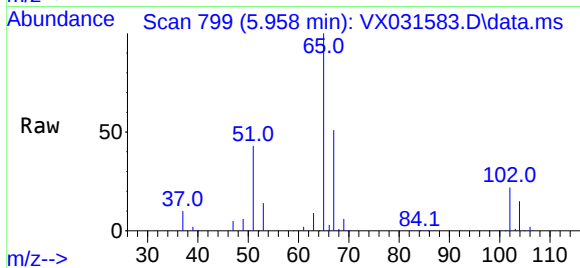
TB-9-21-22

Tgt Ion: 65 Resp: 82922

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031583.D

Acq: 22 Sep 2022 20:14

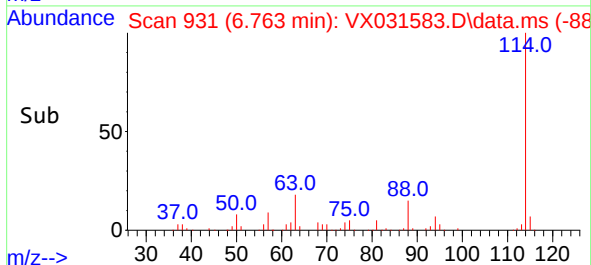
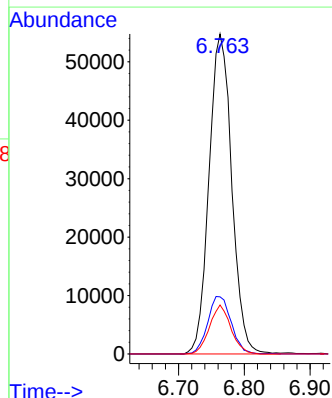
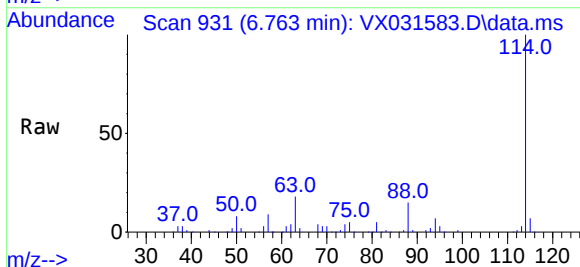
Tgt Ion: 114 Resp: 131666

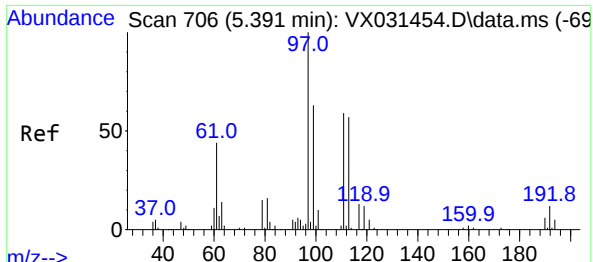
Ion Ratio Lower Upper

114 100

63 17.8 0.0 42.6

88 15.3 0.0 33.0



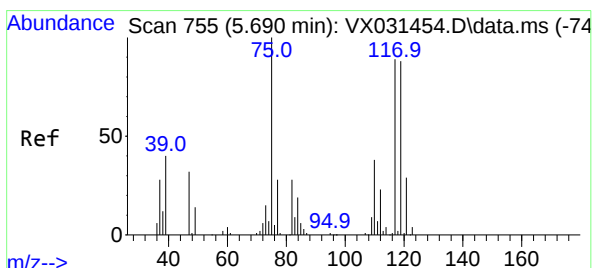
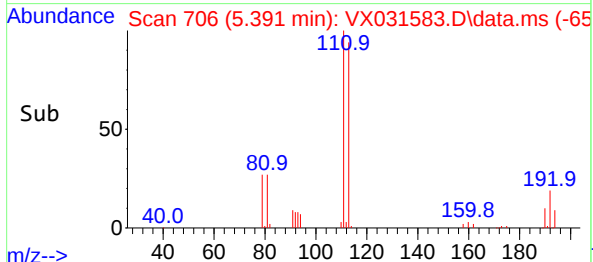
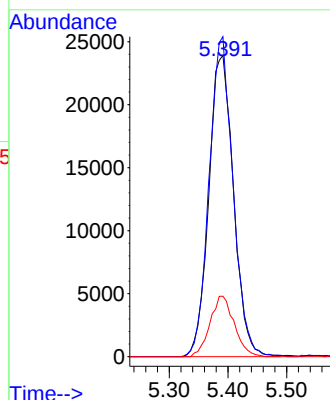
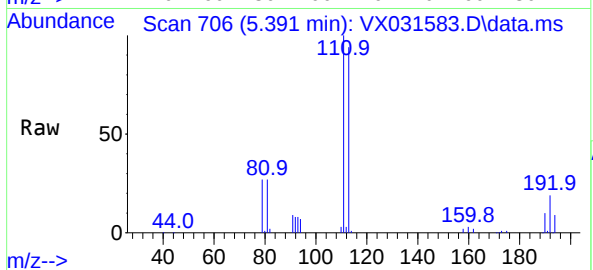


#35
 Dibromofluoromethane
 Concen: 51.422 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.000 min
 Lab File: VX031583.D
 Acq: 22 Sep 2022 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-9-21-22

Tgt Ion:113 Resp: 69953

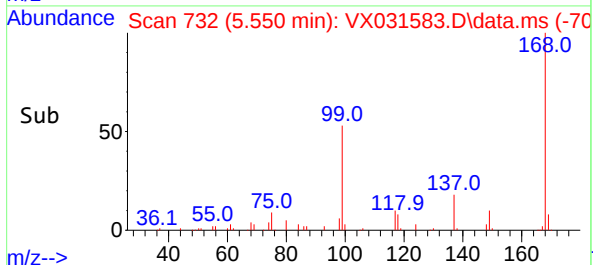
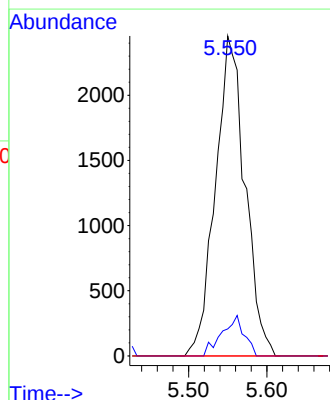
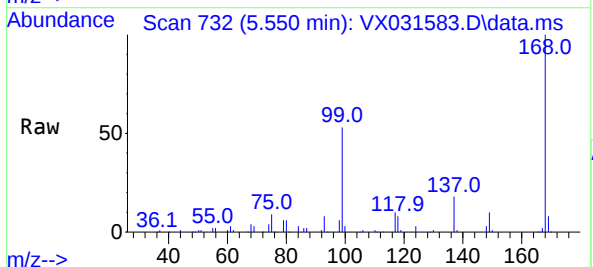
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	19.7	14.1	21.1

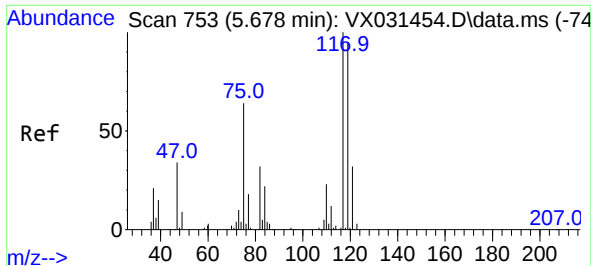


#36
 1,1-Dichloropropene
 Concen: 3.077 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.140 min
 Lab File: VX031583.D
 Acq: 22 Sep 2022 20:14

Tgt Ion: 75 Resp: 6440

Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.5	52.5#
77	0.0	24.9	37.3#

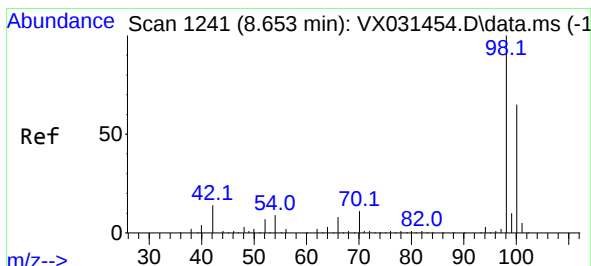
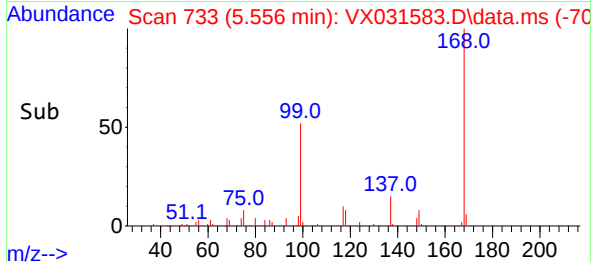
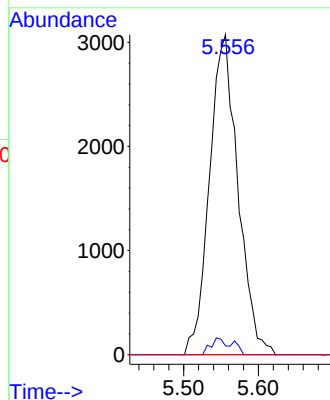
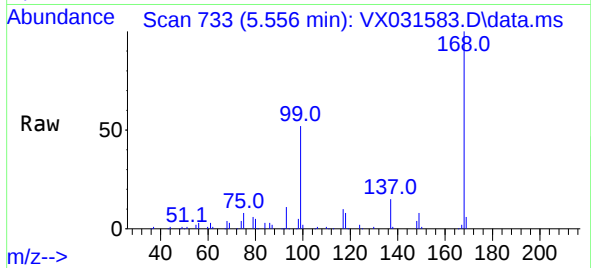




#38
Carbon Tetrachloride
Concen: 3.507 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

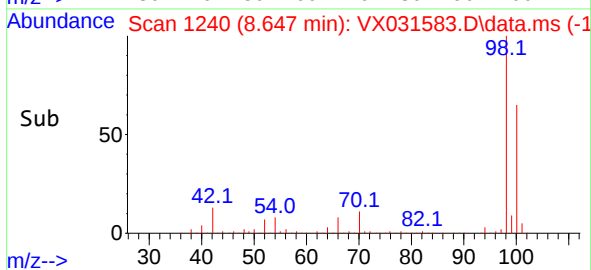
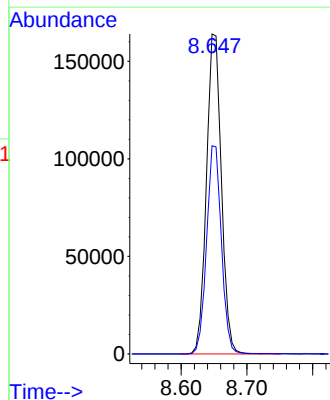
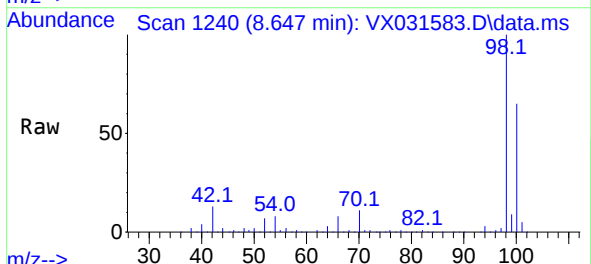
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MSVOA_X
ClientSampleId :
TB-9-21-22

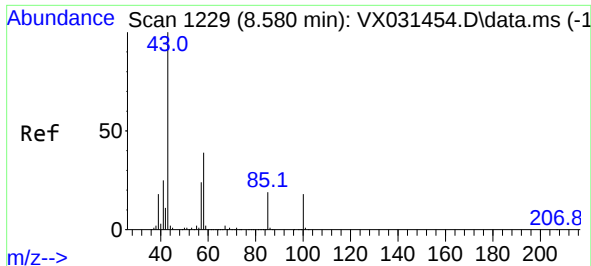
Tgt Ion:117 Resp: 8136
Ion Ratio Lower Upper
117 100
119 2.7 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 49.499 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

Tgt Ion: 98 Resp: 259656
Ion Ratio Lower Upper
98 100
100 64.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.486 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX031583.D

Acq: 22 Sep 2022 20:14

Instrument :

MSVOA_X

ClientSampleId :

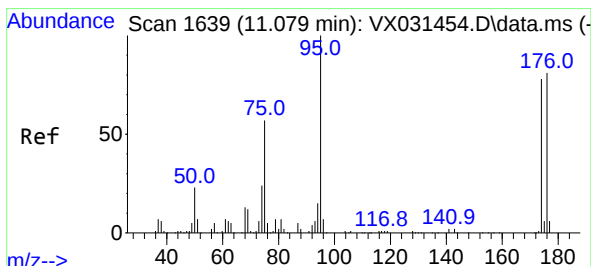
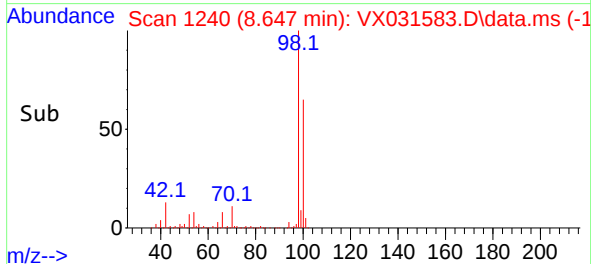
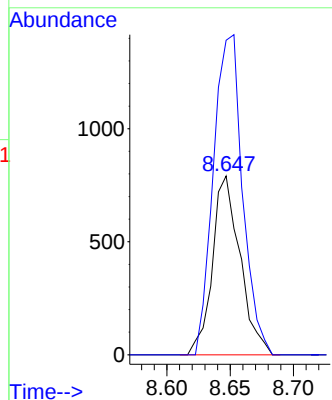
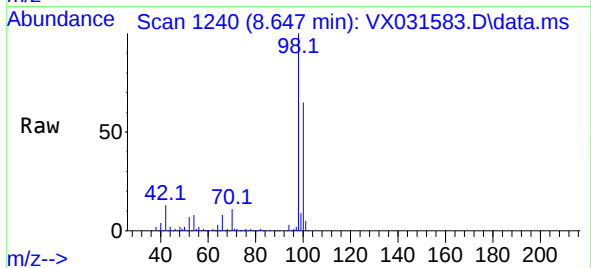
TB-9-21-22

Tgt Ion: 43 Resp: 1200

Ion Ratio Lower Upper

43 100

58 189.3 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 44.723 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031583.D

Acq: 22 Sep 2022 20:14

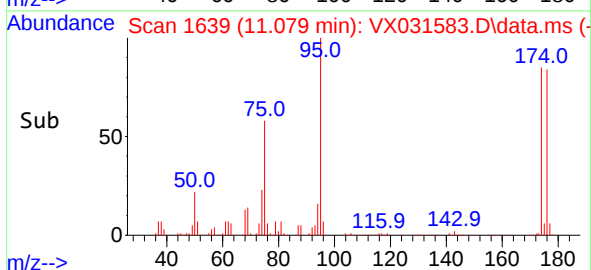
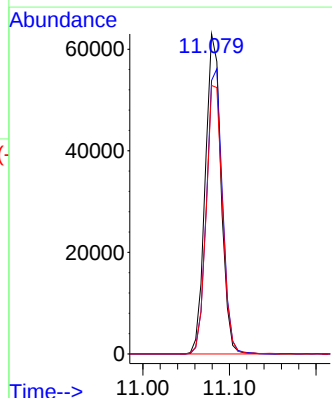
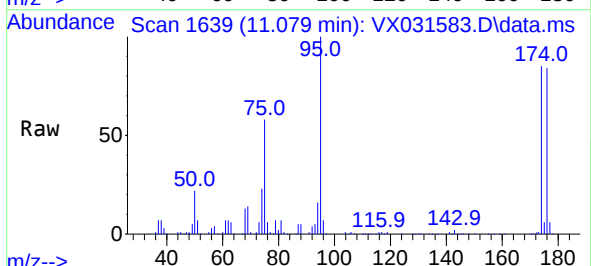
Tgt Ion: 95 Resp: 79467

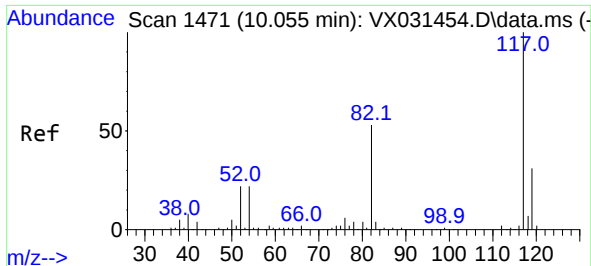
Ion Ratio Lower Upper

95 100

174 90.2 0.0 153.2

176 86.7 0.0 144.0

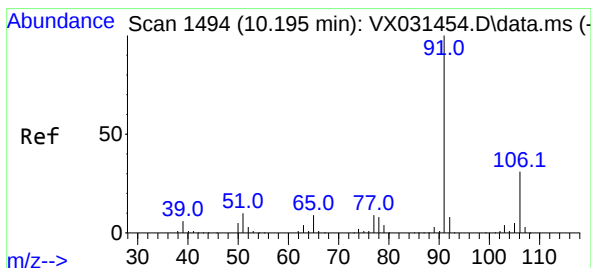
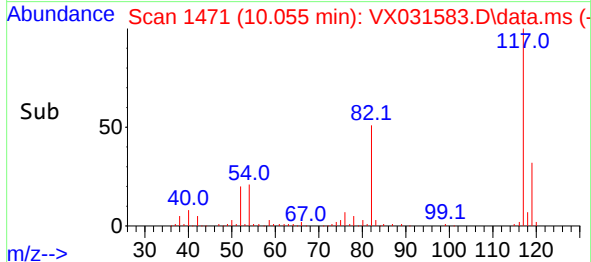
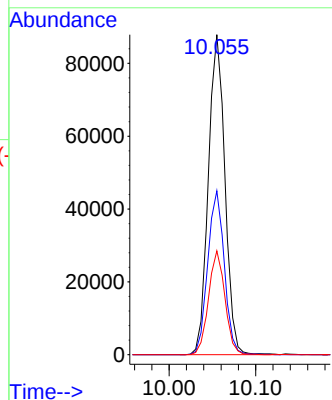
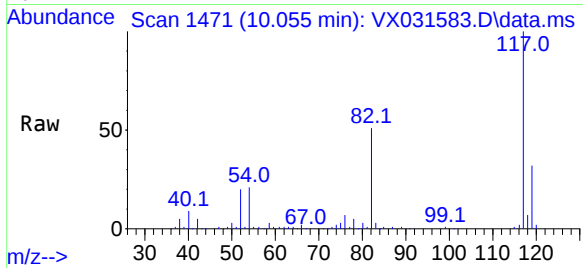




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

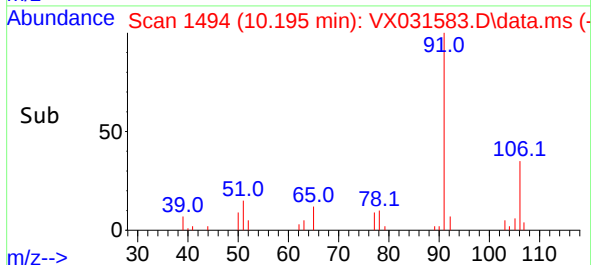
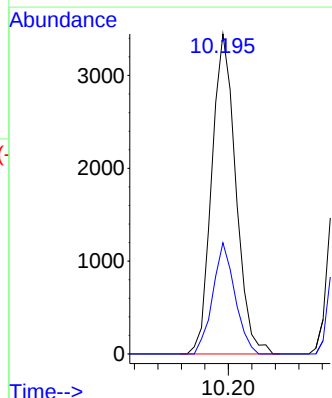
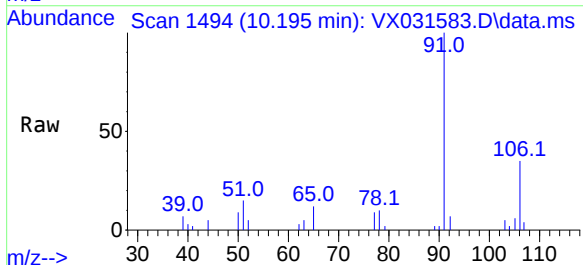
Instrument :
MSVOA_X
ClientSampleId :
TB-9-21-22

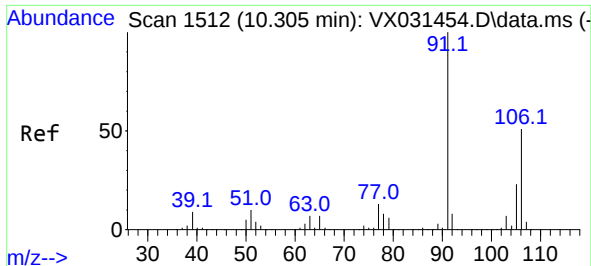
Tgt Ion:117 Resp: 116954
Ion Ratio Lower Upper
117 100
82 51.2 46.8 70.2
119 32.4 26.4 39.6



#67
Ethyl Benzene
Concen: 0.769 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

Tgt Ion: 91 Resp: 4900
Ion Ratio Lower Upper
91 100
106 34.8 25.2 37.8

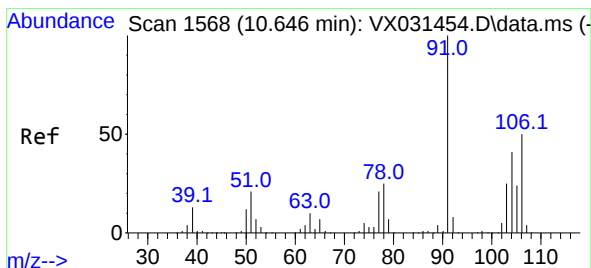
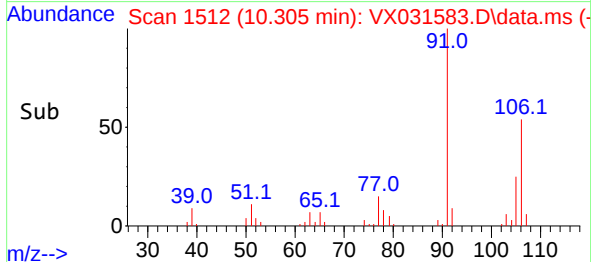
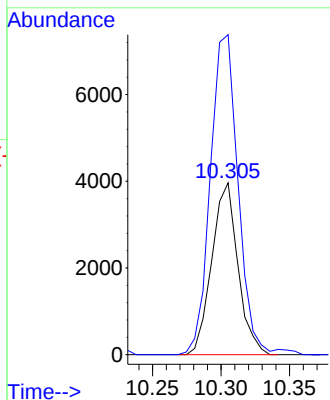
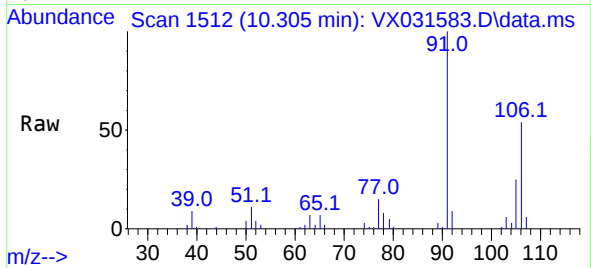




#68
m/p-Xylenes
Concen: 2.051 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

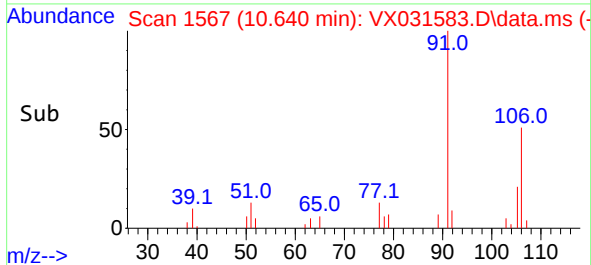
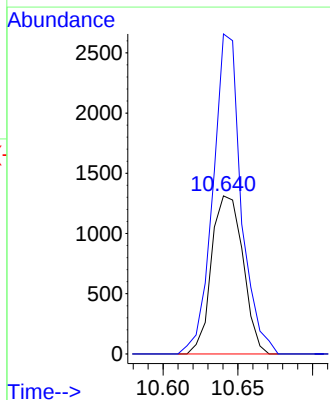
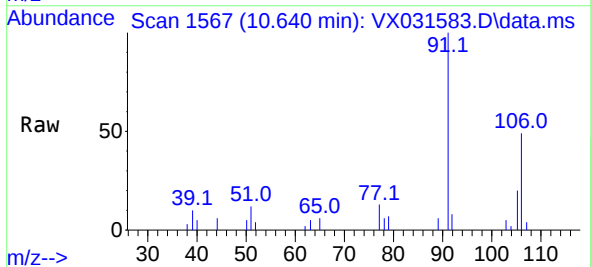
Instrument :
MSVOA_X
ClientSampleId :
TB-9-21-22

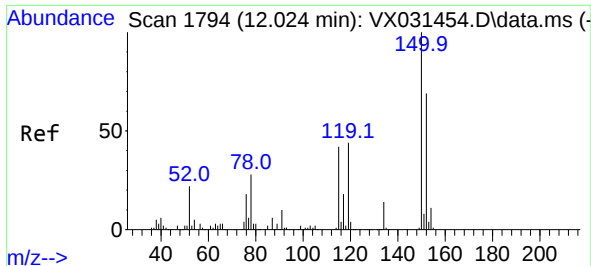
Tgt Ion:106 Resp: 5248
Ion Ratio Lower Upper
106 100
91 199.0 161.0 241.4



#69
o-Xylene
Concen: 0.786 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

Tgt Ion:106 Resp: 1919
Ion Ratio Lower Upper
106 100
91 181.4 107.2 321.6

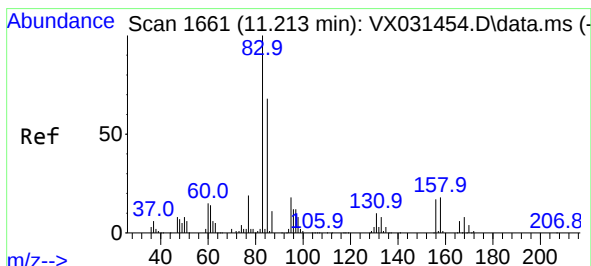
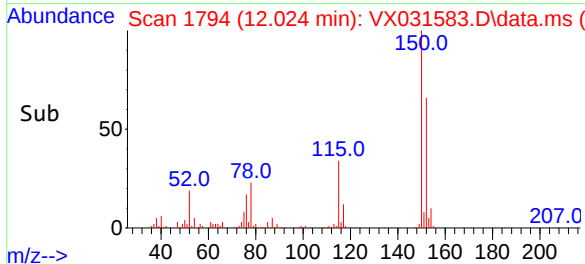
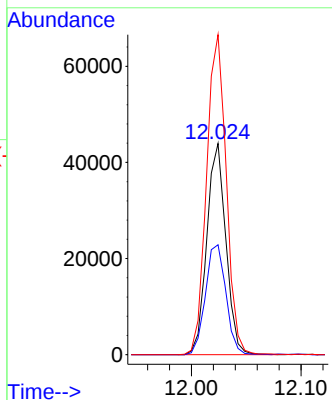
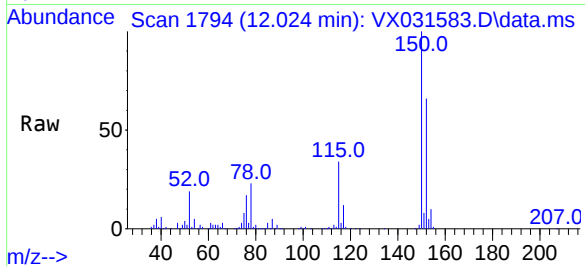




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

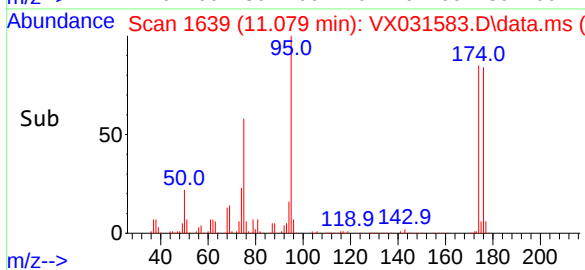
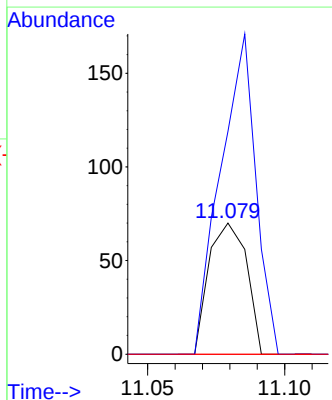
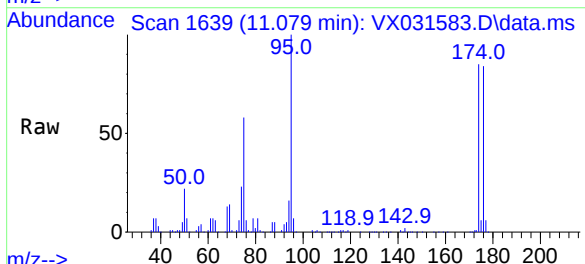
Instrument :
MSVOA_X
ClientSampleId :
TB-9-21-22

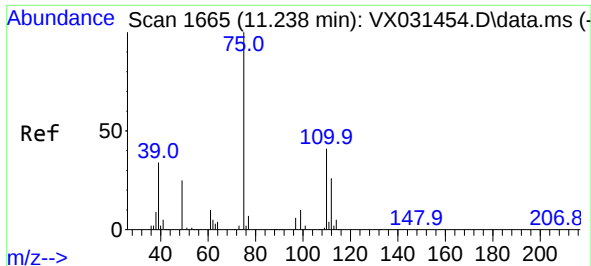
Tgt Ion:152 Resp: 53112
Ion Ratio Lower Upper
152 100
115 55.9 43.4 130.1
150 156.5 0.0 346.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

Tgt Ion: 83 Resp: 67
Ion Ratio Lower Upper
83 100
131 228.4 5.1 15.4#
85 0.0 32.6 97.8#

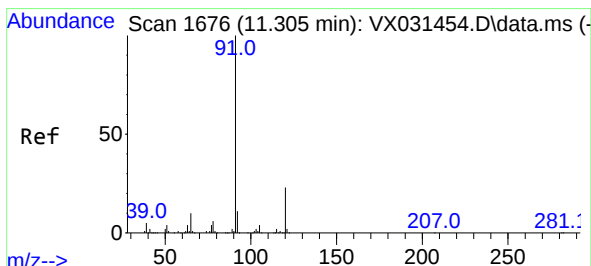
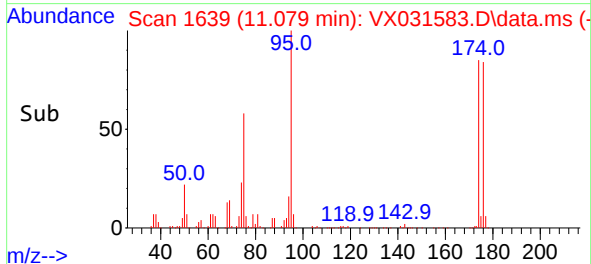
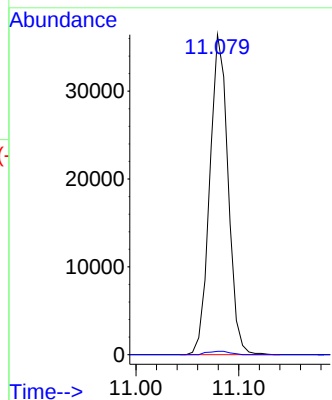
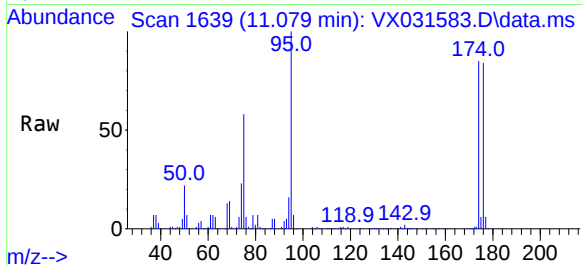




#76
1,2,3-Trichloropropane
Concen: 37.986 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

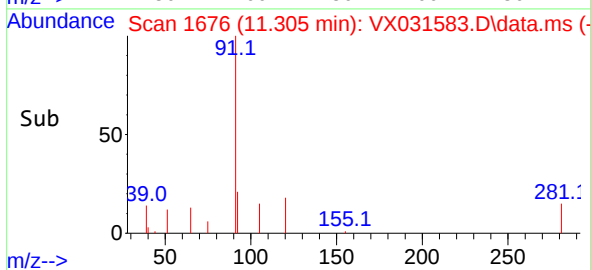
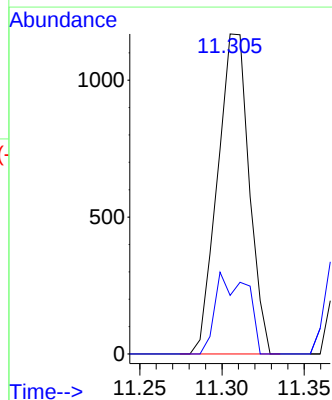
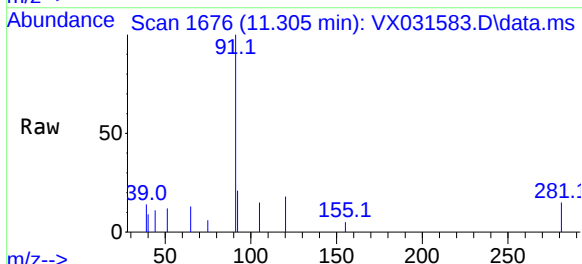
Instrument :
MSVOA_X
ClientSampleId :
TB-9-21-22

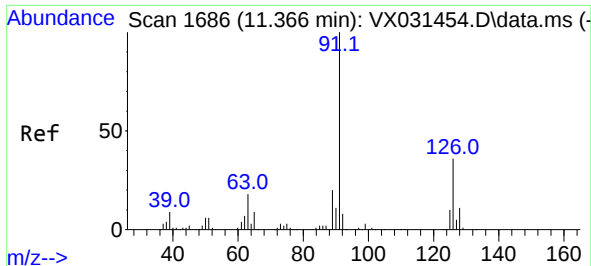
Tgt Ion: 75 Resp: 45029
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#



#78
n-propylbenzene
Concen: 0.342 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

Tgt Ion: 91 Resp: 1562
Ion Ratio Lower Upper
91 100
120 25.5 11.8 35.4





#79

2-Chlorotoluene

Concen: 0.380 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX031583.D

Acq: 22 Sep 2022 20:14

Instrument :

MSVOA_X

ClientSampleId :

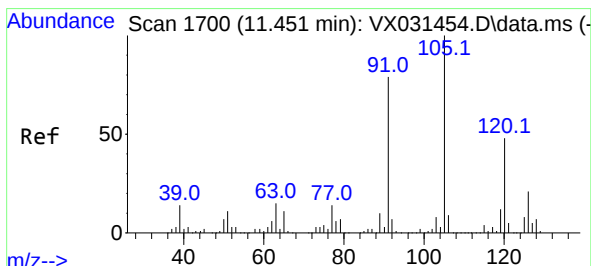
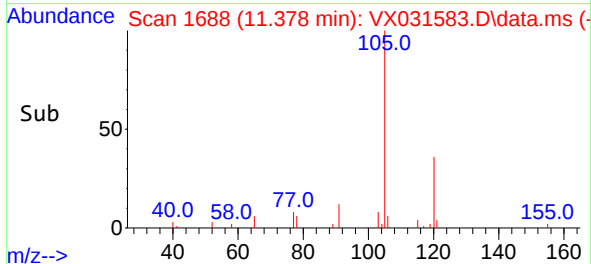
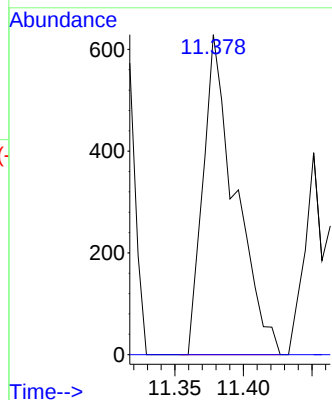
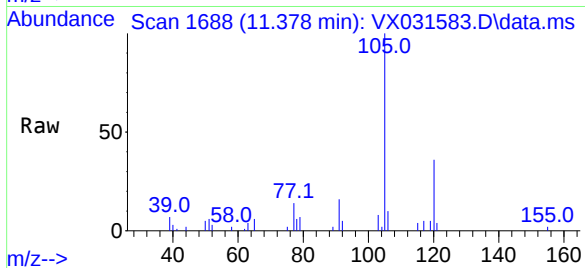
TB-9-21-22

Tgt Ion: 91 Resp: 1031

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.3#



#80

1,3,5-Trimethylbenzene

Concen: 0.723 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX031583.D

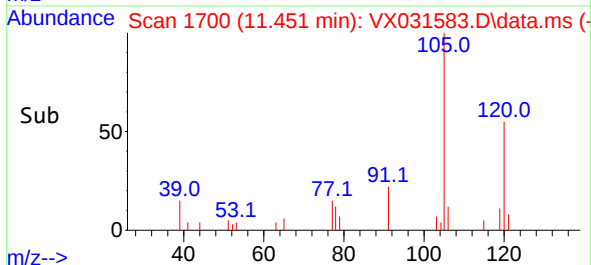
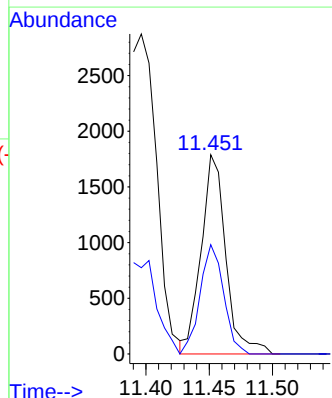
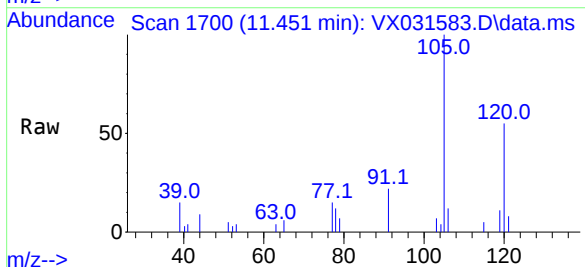
Acq: 22 Sep 2022 20:14

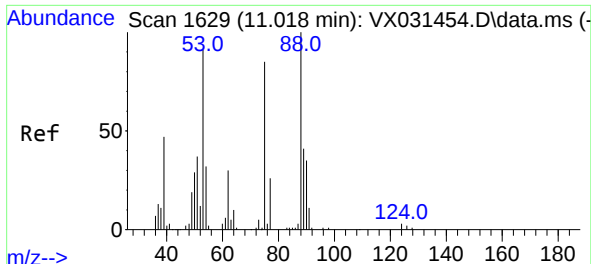
Tgt Ion:105 Resp: 2432

Ion Ratio Lower Upper

105 100

120 52.4 24.5 73.5

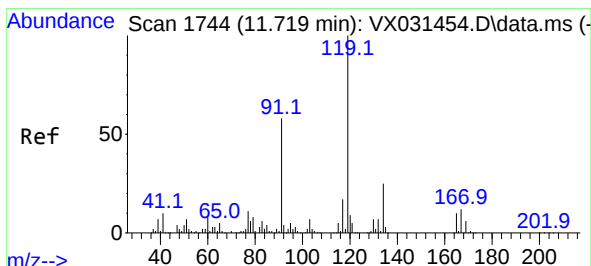
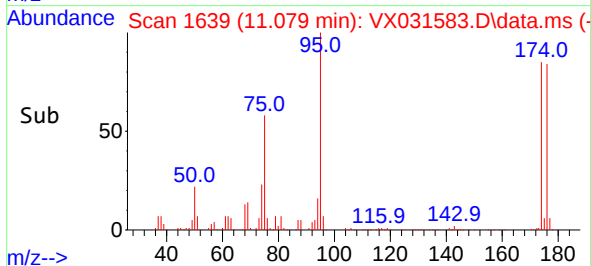
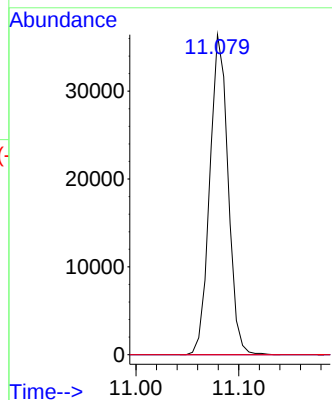
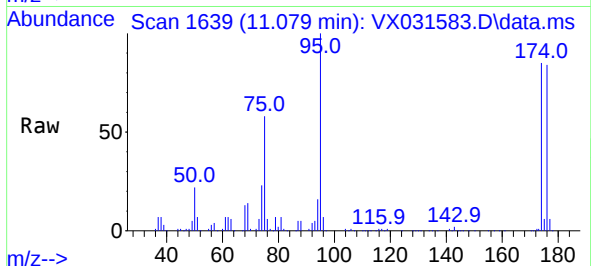




#81
trans-1,4-Dichloro-2-butene
Concen: 122.310 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

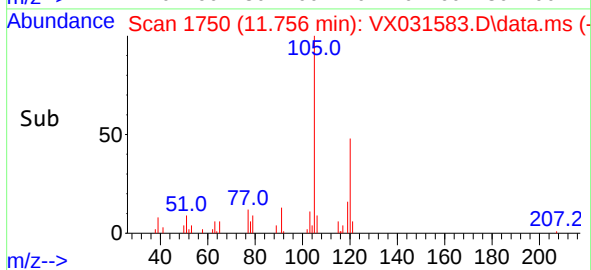
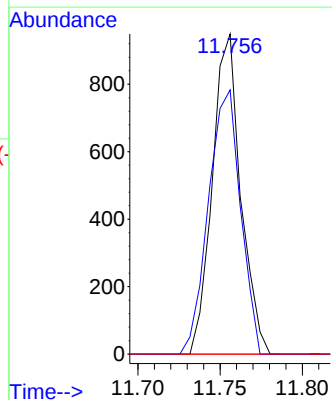
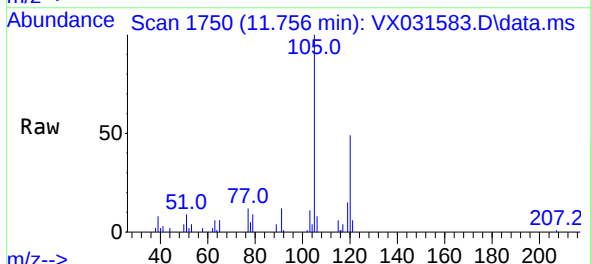
Instrument :
MSVOA_X
ClientSampleId :
TB-9-21-22

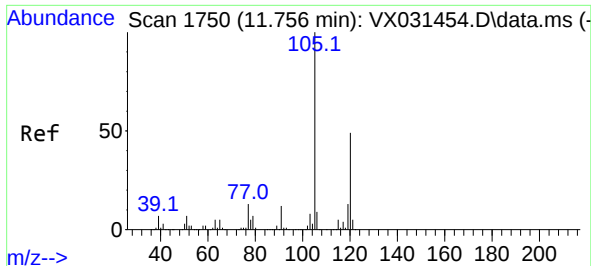
Tgt Ion: 75 Resp: 45029
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#83
tert-Butylbenzene
Concen: 0.349 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.037 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

Tgt Ion: 119 Resp: 1139
Ion Ratio Lower Upper
119 100
91 93.2 29.2 87.6#
134 0.0 11.6 34.8#

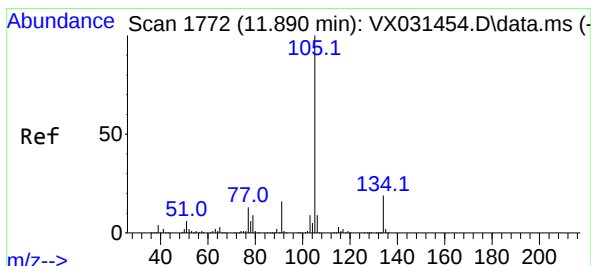
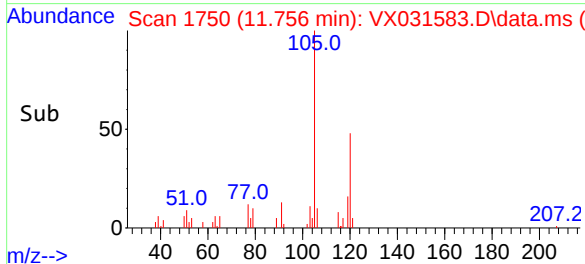
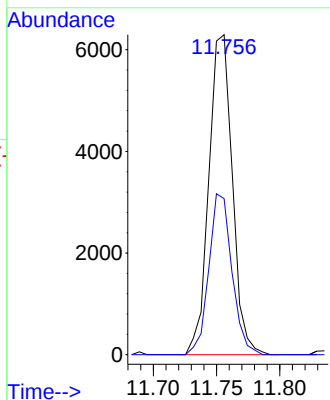
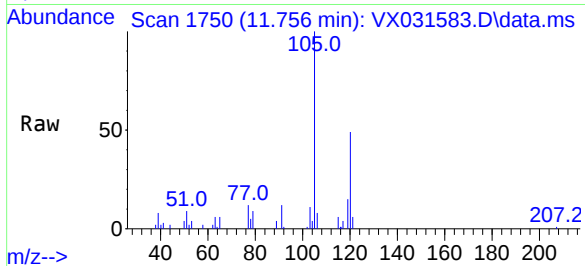




#84
1,2,4-Trimethylbenzene
Concen: 2.456 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

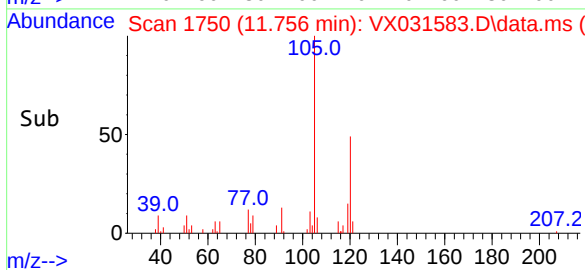
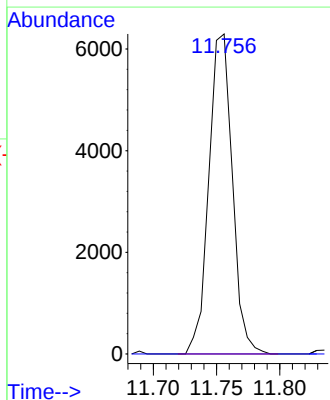
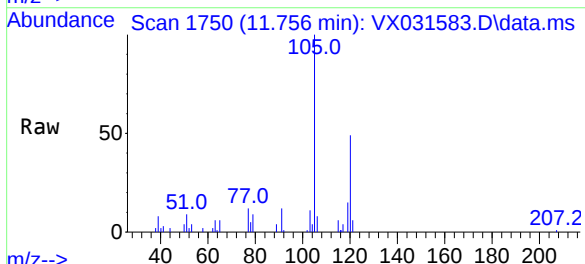
Instrument :
MSVOA_X
ClientSampleId :
TB-9-21-22

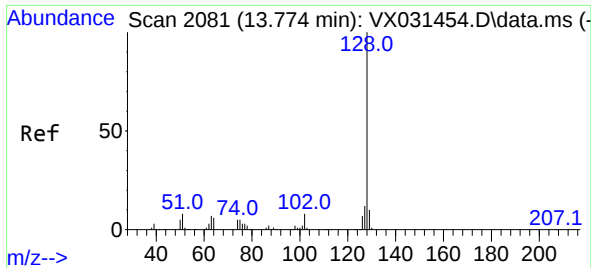
Tgt Ion:105 Resp: 8143
Ion Ratio Lower Upper
105 100
120 49.4 22.6 67.8



#85
sec-Butylbenzene
Concen: 1.972 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

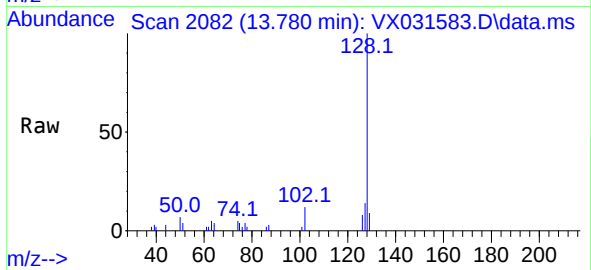
Tgt Ion:105 Resp: 8143
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#95
Naphthalene
Concen: 1.678 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX031583.D
Acq: 22 Sep 2022 20:14

Instrument :
MSVOA_X
ClientSampleId :
TB-9-21-22



Tgt Ion:128 Resp: 6389

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.8	13.2

