

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100722\
 Data File : VX031995.D
 Acq On : 08 Oct 2022 05:48
 Operator : JC/MD
 Sample : N4937-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-093022

Quant Time: Oct 08 06:38:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

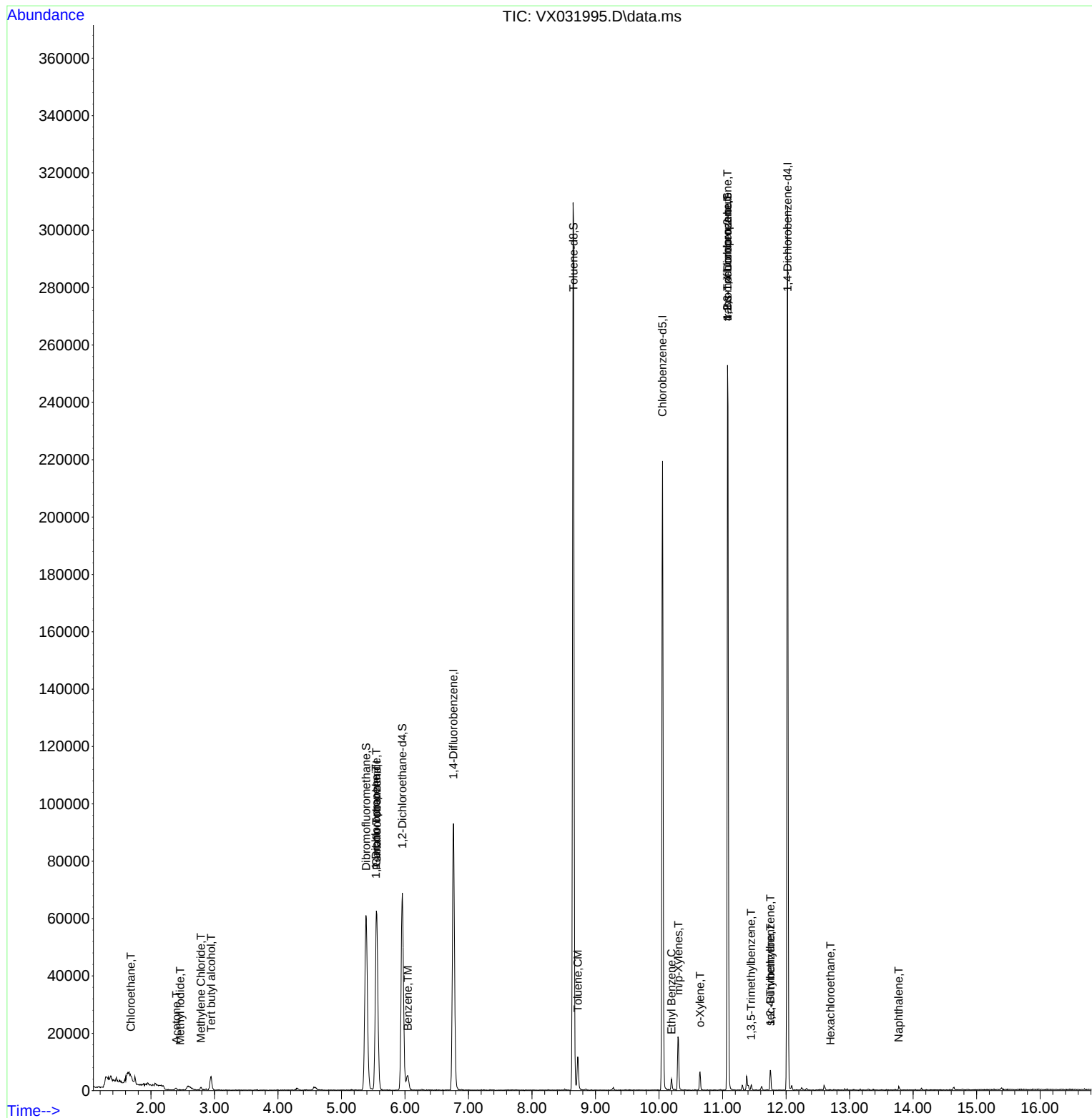
Internal Standards						
1) Pentafluorobenzene	5.556	168	58716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	93882	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	98240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64117	52.875	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.760%			
35) Dibromofluoromethane	5.385	113	51679	48.630	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.260%			
50) Toluene-d8	8.653	98	185901	48.615	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.240%			
62) 4-Bromofluorobenzene	11.079	95	63663	47.093	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.180%			
Target Compounds						Qvalue
5) Bromomethane	1.617	94	200	Below Cal		87
6) Chloroethane	1.684	64	478	0.525 ug/l #		43
10) Methyl Iodide	2.459	142	27	2.781 ug/l #		38
11) Tert butyl alcohol	2.946	59	2888	19.142 ug/l #		73
13) Acrolein	2.203	56	40	Below Cal #		15
16) Acetone	2.398	43	1056	2.562 ug/l #		70
20) Methylene Chloride	2.788	84	435	0.402 ug/l #		85
36) 1,1-Dichloropropene	5.543	75	4861	3.450 ug/l #		49
38) Carbon Tetrachloride	5.550	117	6135	4.258 ug/l #		18
40) Benzene	6.043	78	5936	1.439 ug/l #		82
52) Toluene	8.720	92	4575	1.696 ug/l		94
67) Ethyl Benzene	10.195	91	2564	0.509 ug/l		100
68) m/p-Xylenes	10.305	106	4773	2.385 ug/l		92
69) o-Xylene	10.646	106	1456	0.749 ug/l		95
76) 1,2,3-Trichloropropane	11.079	75	34317	27.856 ug/l #		36
80) 1,3,5-Trimethylbenzene	11.451	105	1193	0.317 ug/l		89
81) trans-1,4-Dichloro-2-b...	11.079	75	34317	95.335 ug/l #		11
84) 1,2,4-Trimethylbenzene	11.756	105	3502	0.917 ug/l		93
85) sec-Butylbenzene	11.756	105	3502	0.760 ug/l #		56
90) Hexachloroethane	12.701	117	99	1.465 ug/l #		15
95) Naphthalene	13.774	128	1160	0.264 ug/l #		79

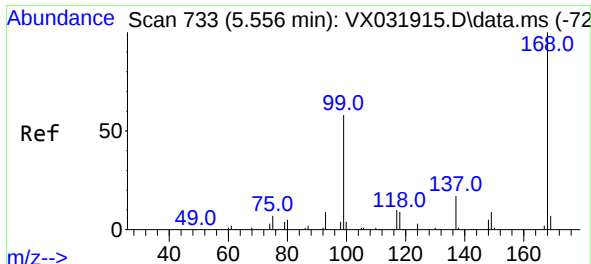
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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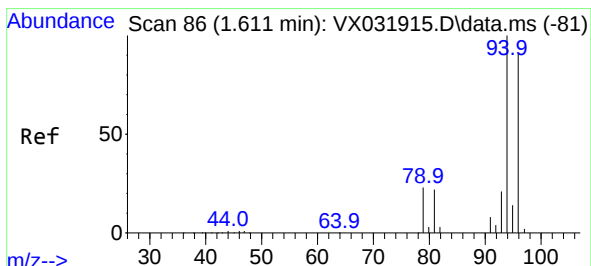
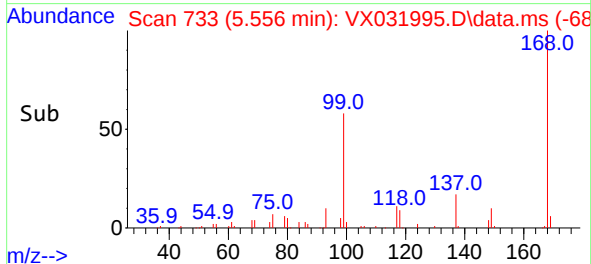
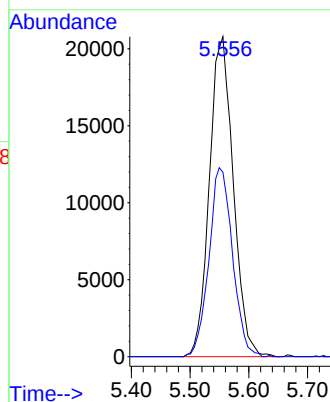
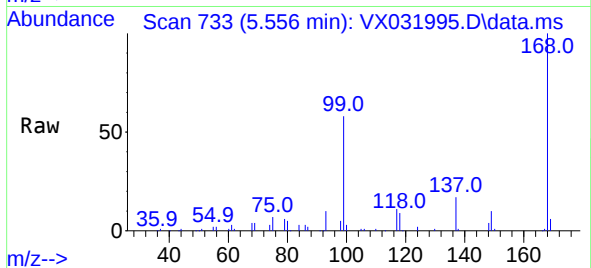




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

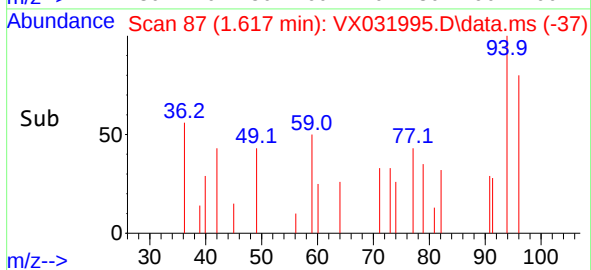
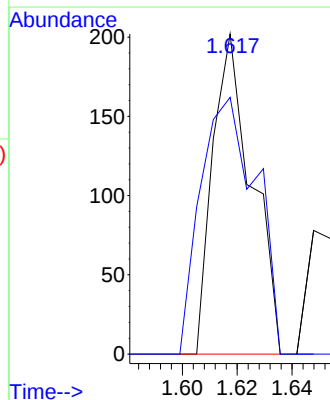
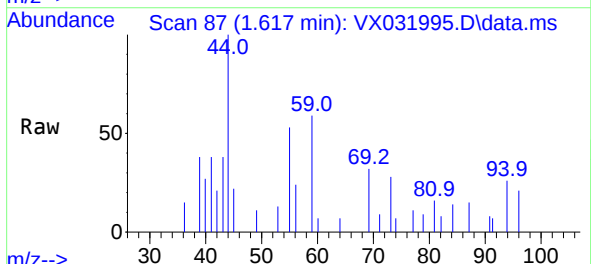
Instrument :
MSVOA_X
ClientSampleId :
TB-093022

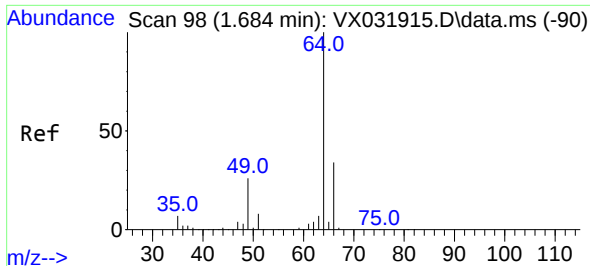
Tgt Ion:168 Resp: 58716
Ion Ratio Lower Upper
168 100
99 57.6 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

Tgt Ion: 94 Resp: 200
Ion Ratio Lower Upper
94 100
96 80.2 74.4 111.6

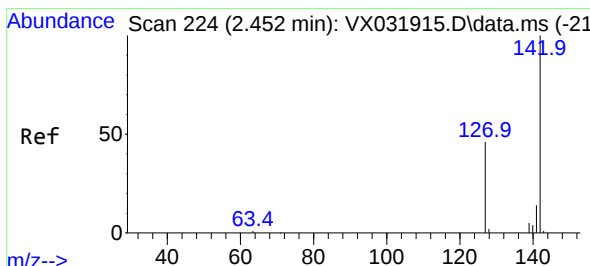
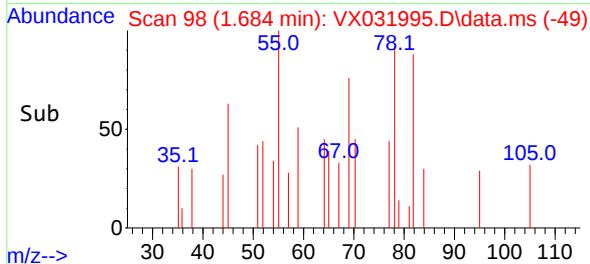
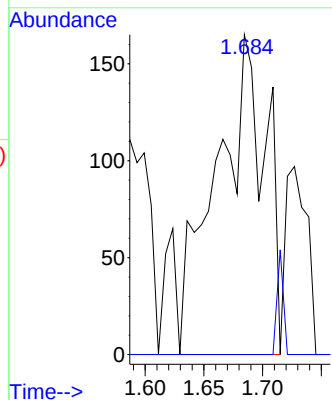
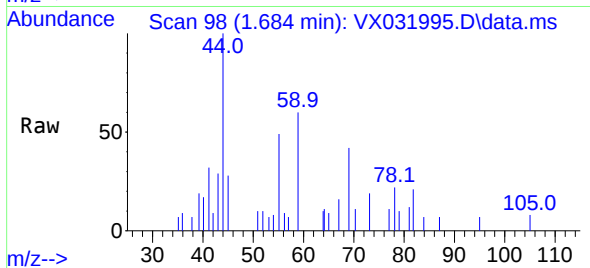




#6
Chloroethane
Concen: 0.525 ug/l
RT: 1.684 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

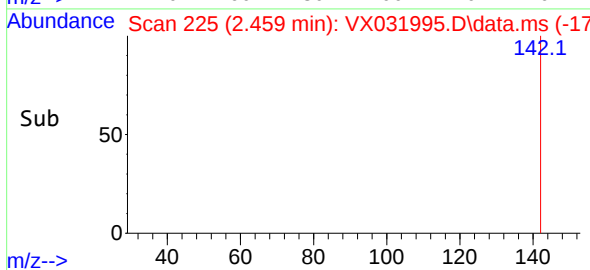
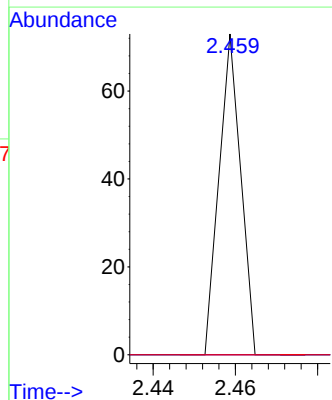
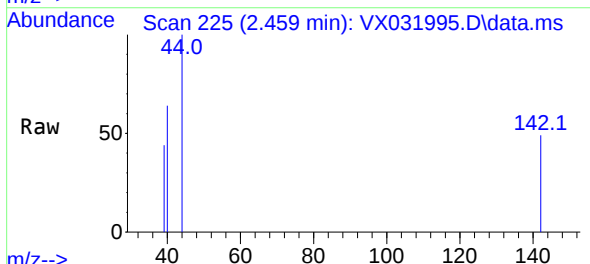
Instrument :
MSVOA_X
ClientSampleId :
TB-093022

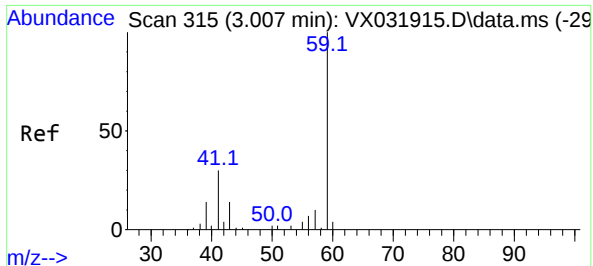
Tgt Ion: 64 Resp: 478
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 2.781 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.007 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

Tgt Ion: 142 Resp: 27
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 19.142 ug/l

RT: 2.946 min Scan# 30

Delta R.T. -0.061 min

Lab File: VX031995.D

Acq: 08 Oct 2022 05:48

Instrument :

MSVOA_X

ClientSampleId :

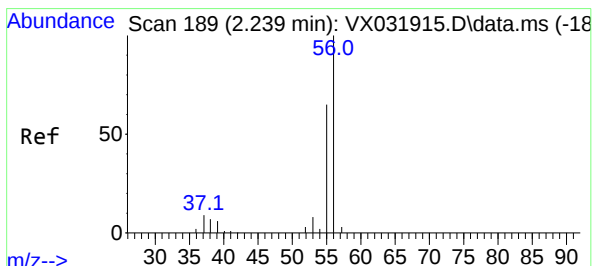
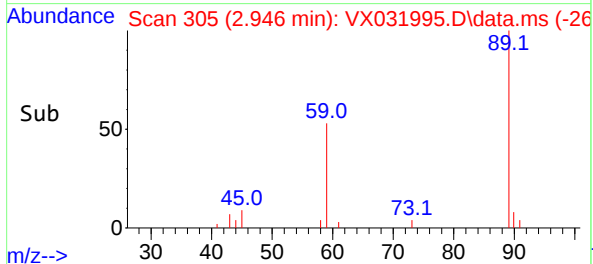
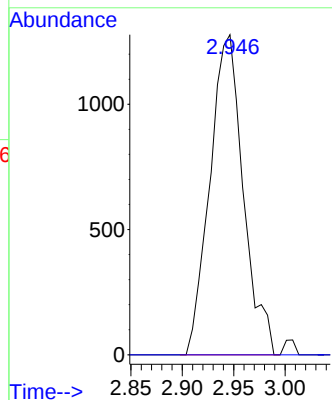
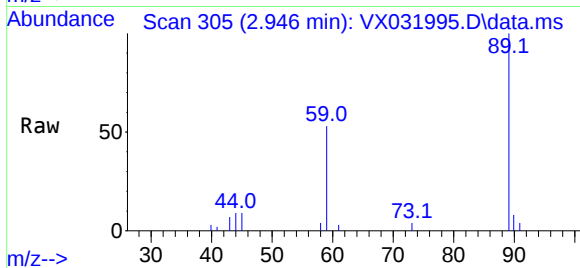
TB-093022

Tgt Ion: 59 Resp: 2888

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: VX031995.D

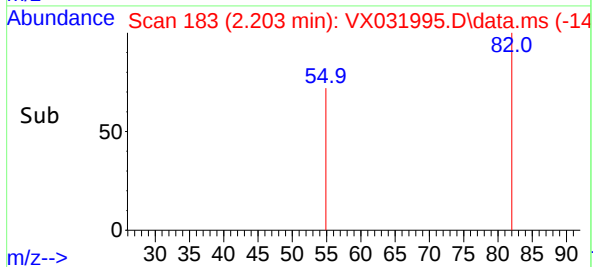
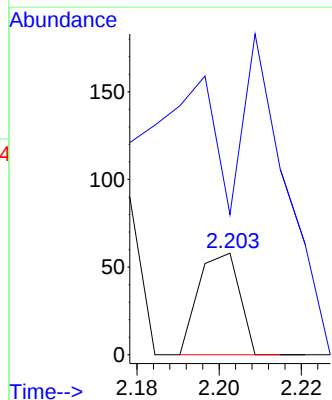
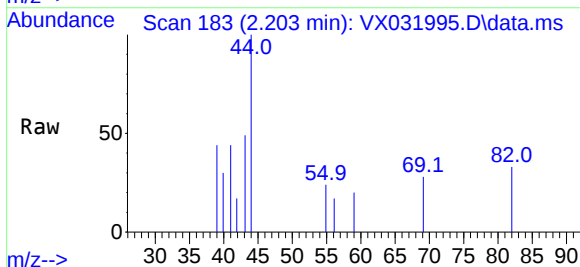
Acq: 08 Oct 2022 05:48

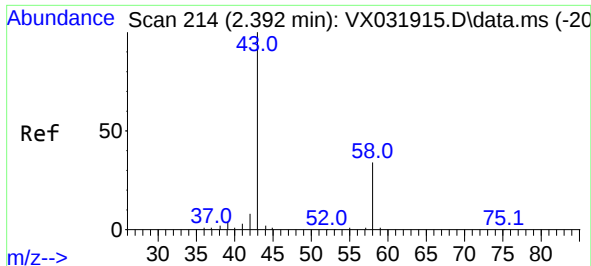
Tgt Ion: 56 Resp: 40

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#

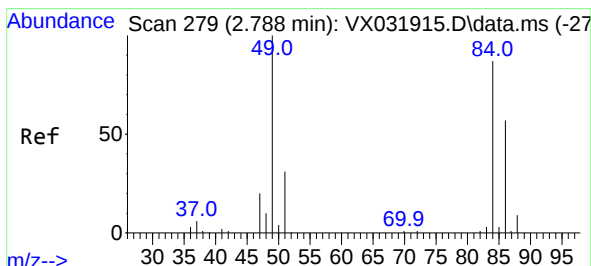
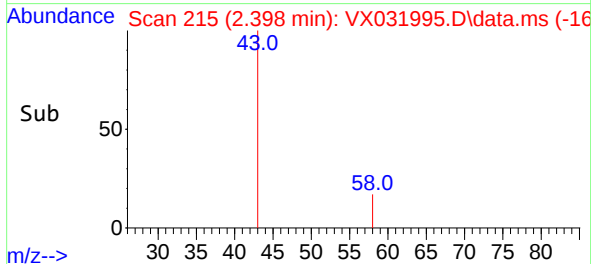
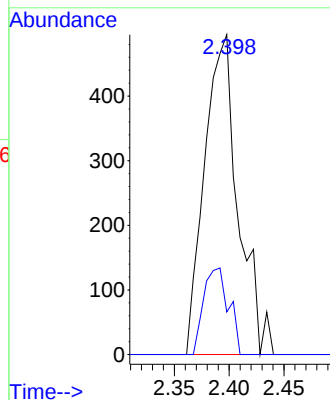
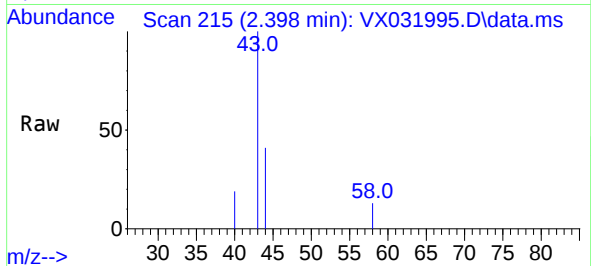




#16
Acetone
Concen: 2.562 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

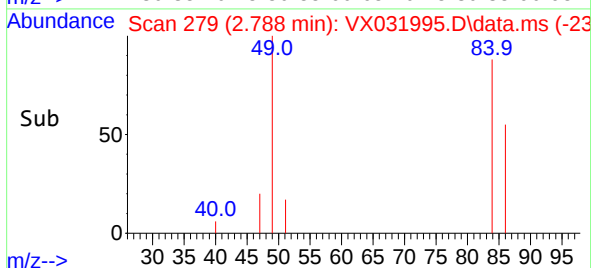
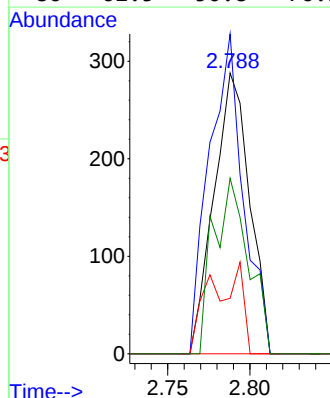
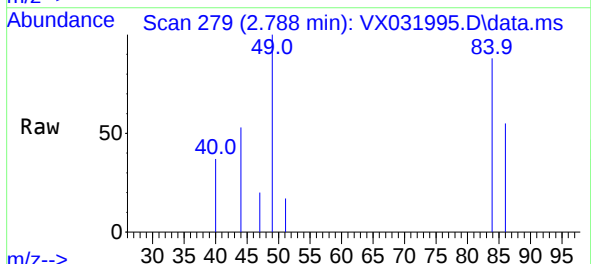
Instrument :
MSVOA_X
ClientSampleId :
TB-093022

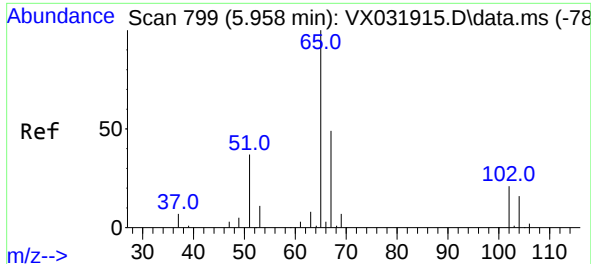
Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 13.3 23.8 35.8#



#20
Methylene Chloride
Concen: 0.402 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

Tgt Ion: 84 Resp: 435
Ion Ratio Lower Upper
84 100
49 113.9 105.9 158.9
51 19.8 32.2 48.2#
86 62.5 50.8 76.2





#33

1,2-Dichloroethane-d4

Concen: 52.875 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031995.D

Acq: 08 Oct 2022 05:48

Instrument :

MSVOA_X

ClientSampleId :

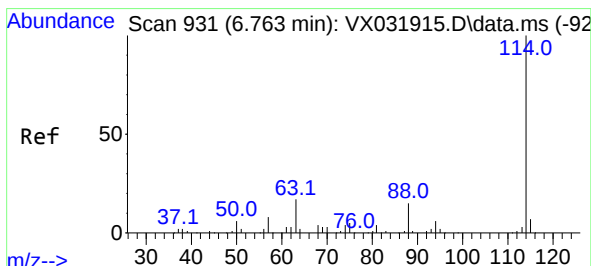
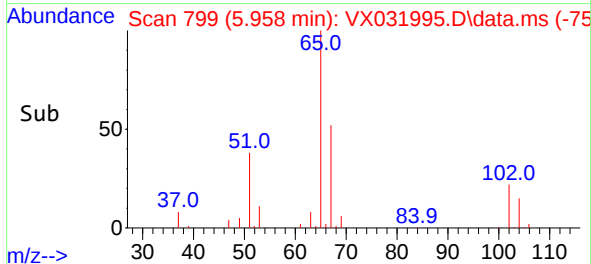
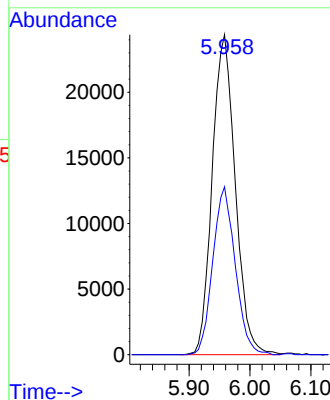
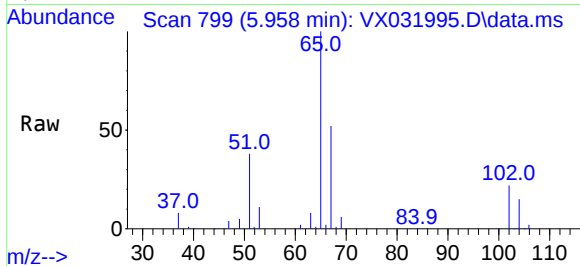
TB-093022

Tgt Ion: 65 Resp: 64117

Ion Ratio Lower Upper

65 100

67 51.1 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: VX031995.D

Acq: 08 Oct 2022 05:48

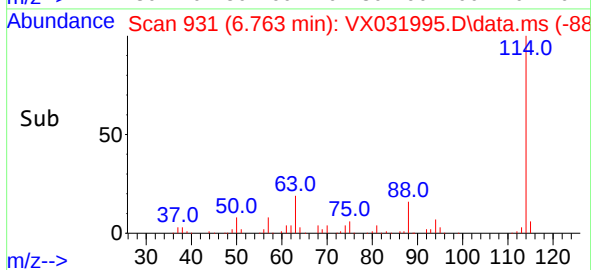
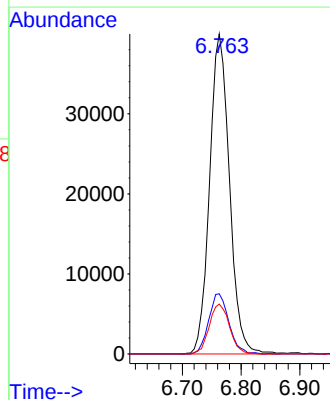
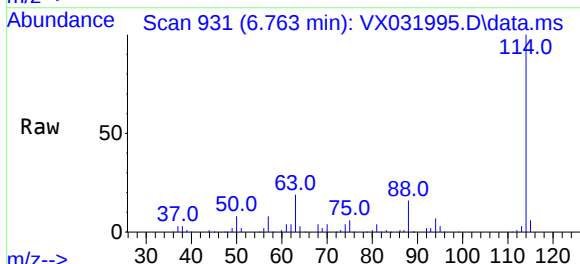
Tgt Ion: 114 Resp: 93882

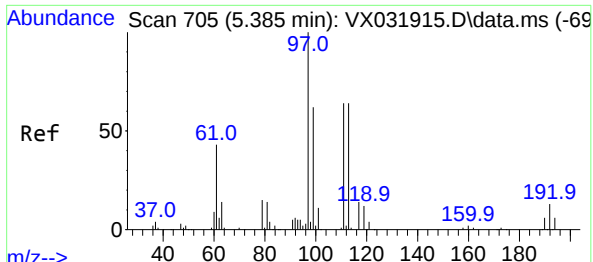
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.6

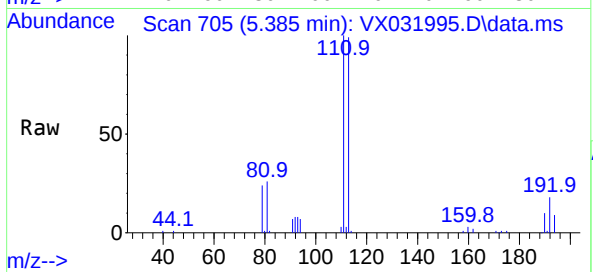
88 15.6 0.0 33.0



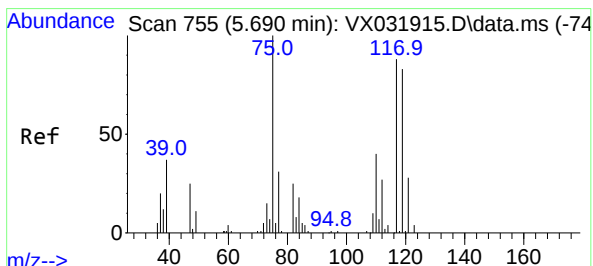
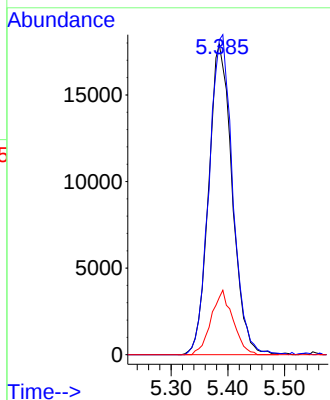
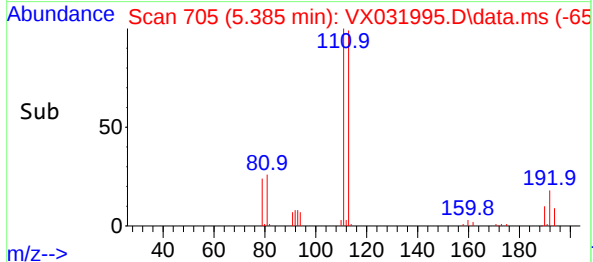


#35
Dibromofluoromethane
Concen: 48.630 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

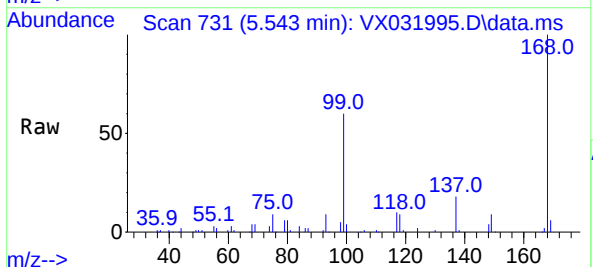
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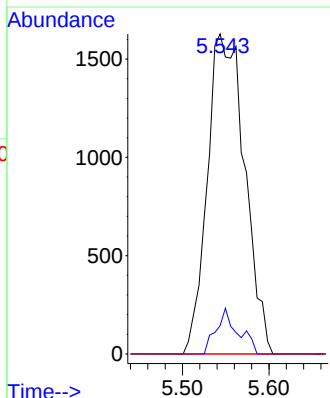
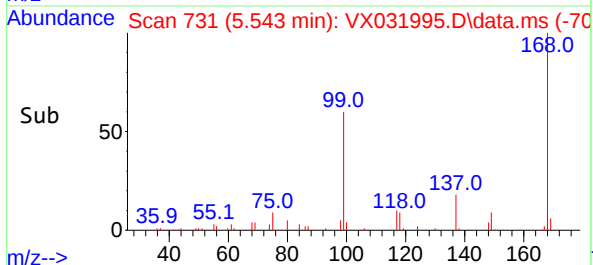
Tgt Ion:113 Resp: 51679
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 19.2 14.1 21.1

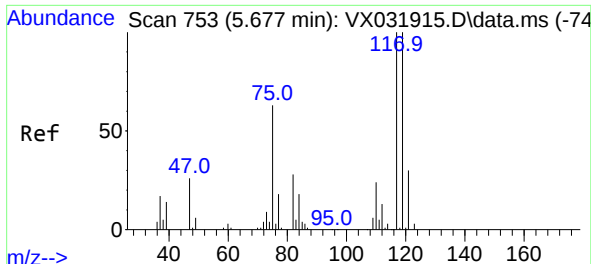


#36
1,1-Dichloropropene
Concen: 3.450 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48



Tgt Ion: 75 Resp: 4861
Ion Ratio Lower Upper
75 100
110 8.3 17.5 52.5#
77 0.0 24.9 37.3#

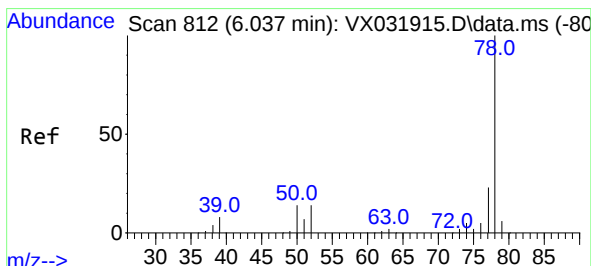
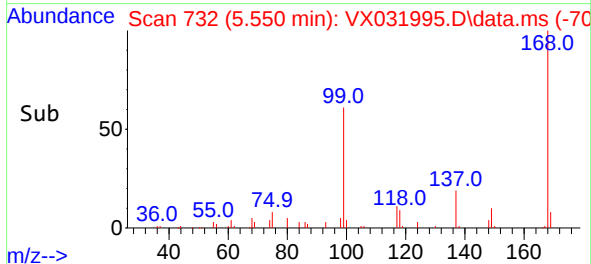
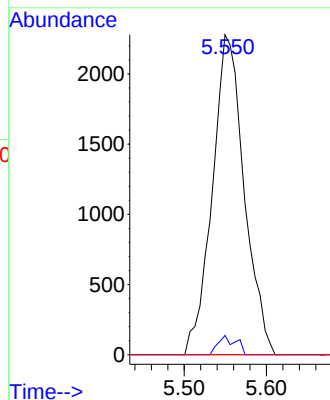
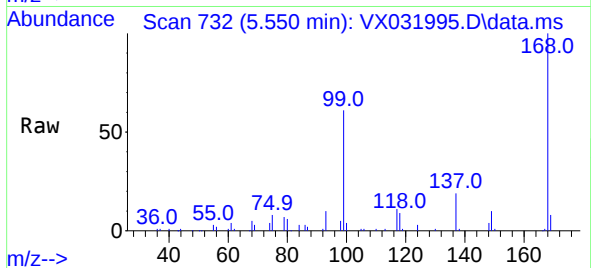




#38
Carbon Tetrachloride
Concen: 4.258 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

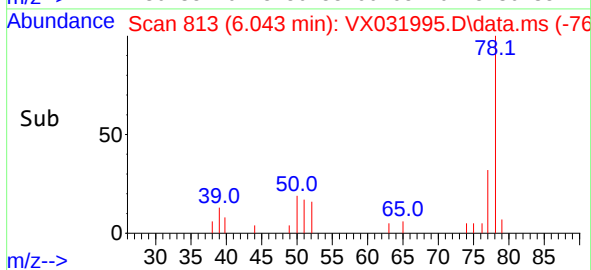
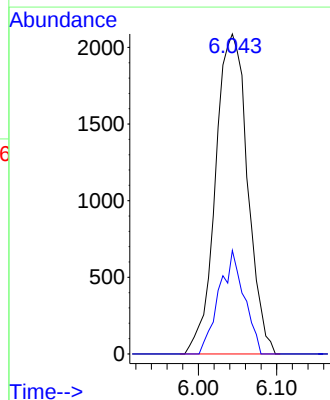
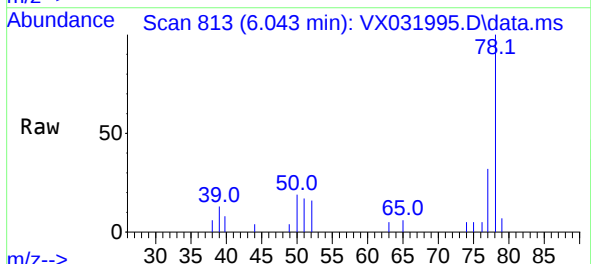
Instrument :
MSVOA_X
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TB-093022

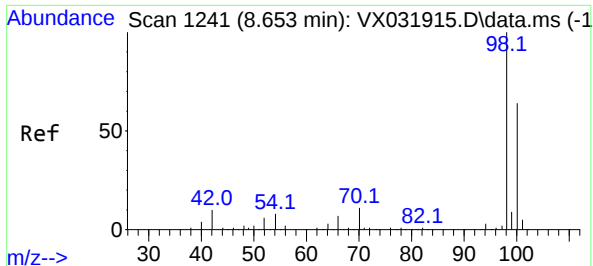
Tgt Ion:117 Resp: 6135
Ion Ratio Lower Upper
117 100
119 6.0 74.6 112.0#
121 0.0 25.3 37.9#



#40
Benzene
Concen: 1.439 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

Tgt Ion: 78 Resp: 5936
Ion Ratio Lower Upper
78 100
77 32.3 18.7 28.1#





#50

Toluene-d8

Concen: 48.615 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031995.D

Acq: 08 Oct 2022 05:48

Instrument :

MSVOA_X

ClientSampleId :

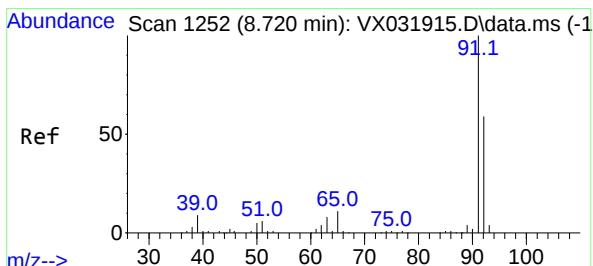
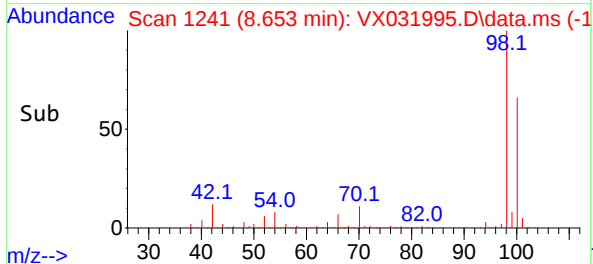
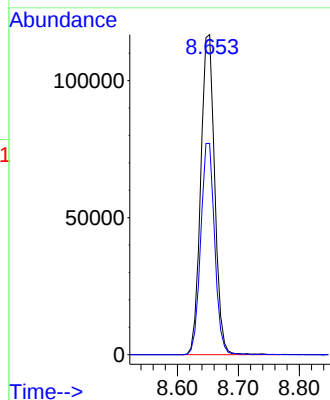
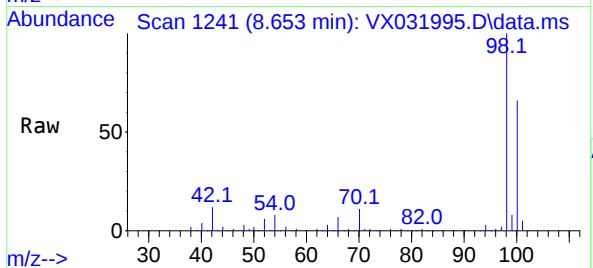
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Tgt Ion: 98 Resp: 185901

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7



#52

Toluene

Concen: 1.696 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX031995.D

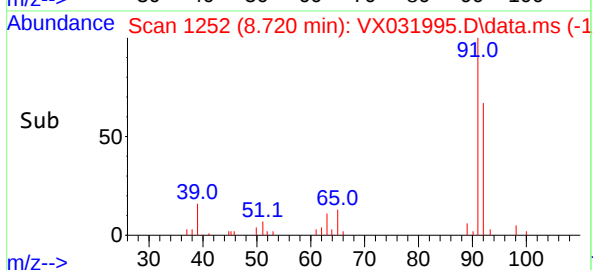
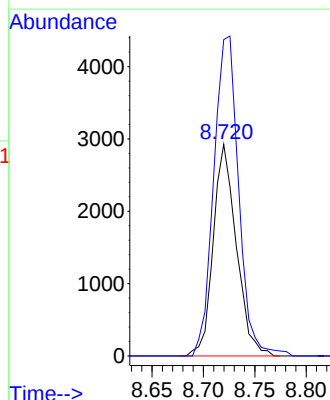
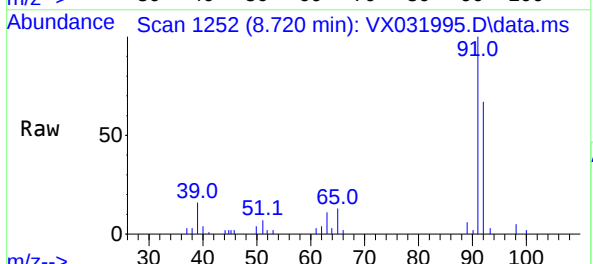
Acq: 08 Oct 2022 05:48

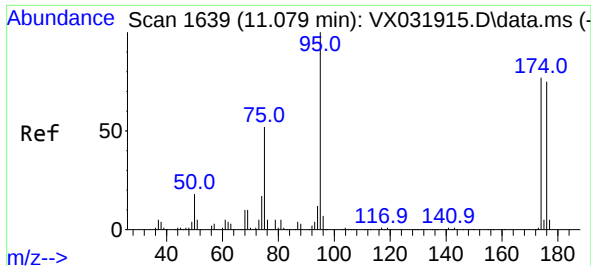
Tgt Ion: 92 Resp: 4575

Ion Ratio Lower Upper

92 100

91 163.2 137.1 205.7

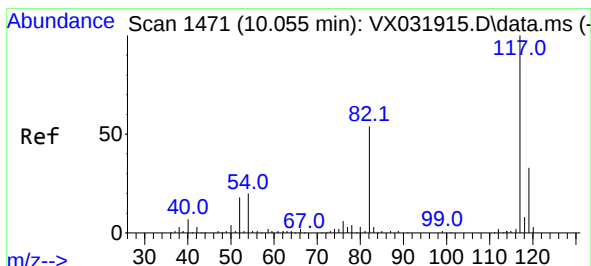
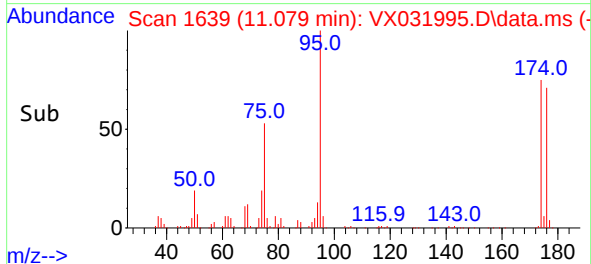
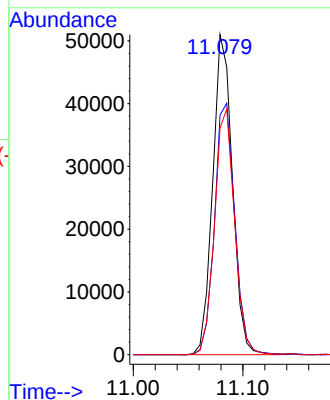
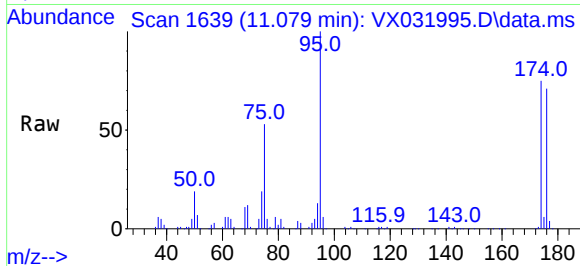




#62
4-Bromofluorobenzene
Concen: 47.093 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

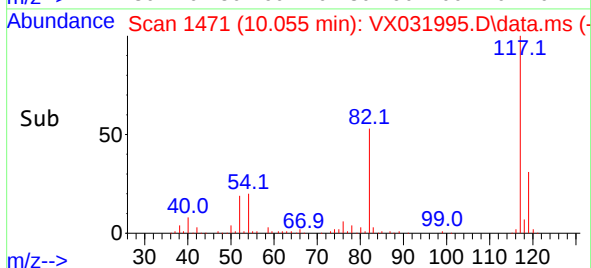
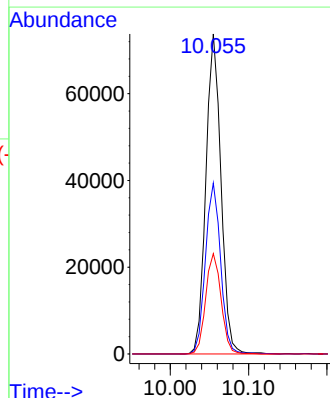
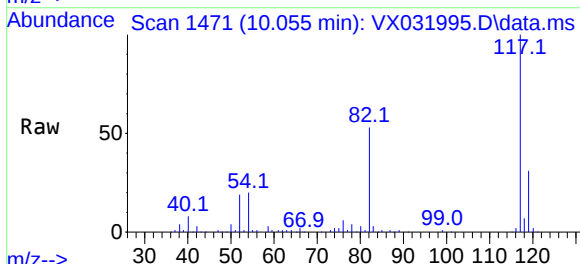
Instrument :
MSVOA_X
ClientSampleId :
TB-093022

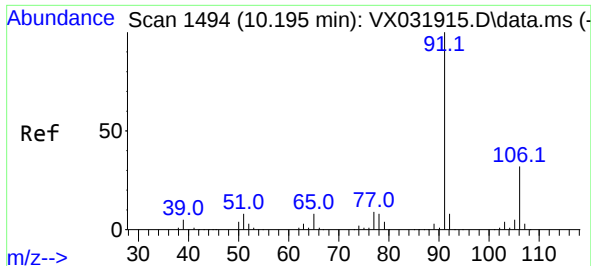
Tgt Ion: 95 Resp: 63663
Ion Ratio Lower Upper
95 100
174 81.0 0.0 153.2
176 78.6 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

Tgt Ion: 117 Resp: 98240
Ion Ratio Lower Upper
117 100
82 53.4 46.8 70.2
119 31.3 26.4 39.6





#67

Ethyl Benzene

Concen: 0.509 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX031995.D

Acq: 08 Oct 2022 05:48

Instrument :

MSVOA_X

ClientSampleId :

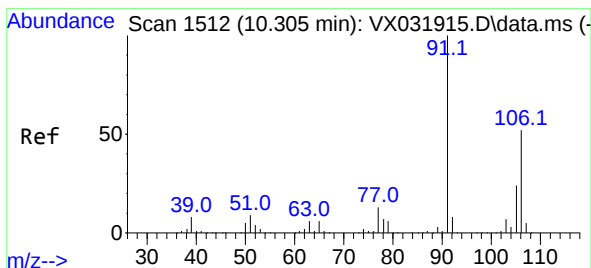
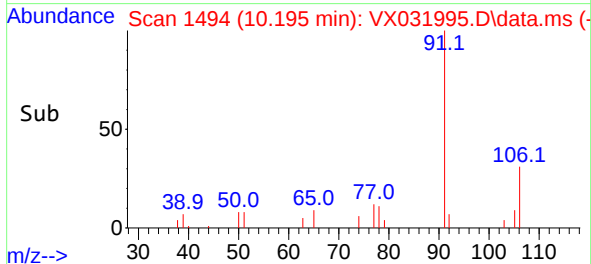
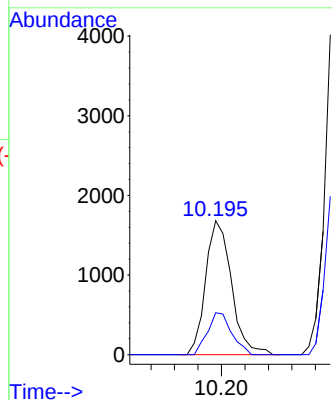
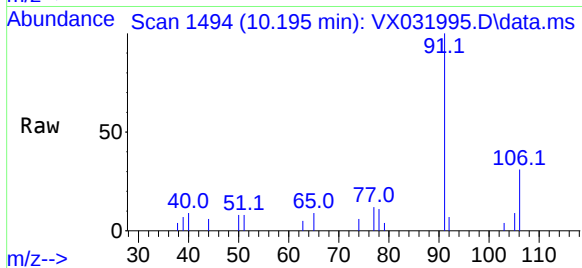
TB-093022

Tgt Ion: 91 Resp: 2564

Ion Ratio Lower Upper

91 100

106 31.3 25.2 37.8



#68

m/p-Xylenes

Concen: 2.385 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX031995.D

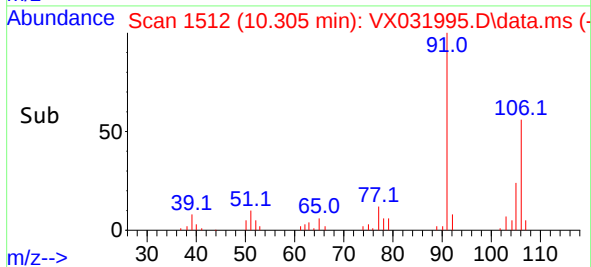
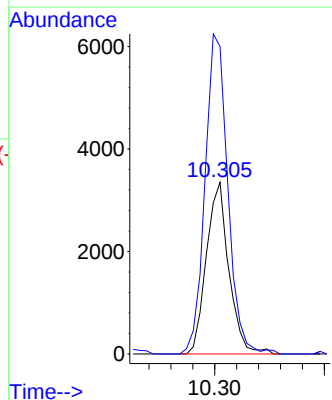
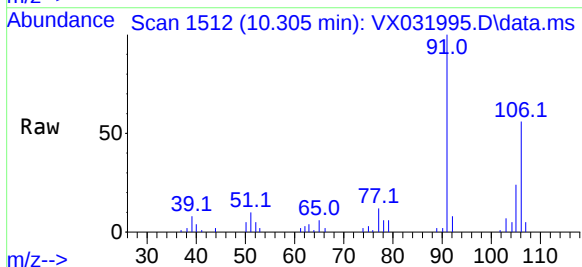
Acq: 08 Oct 2022 05:48

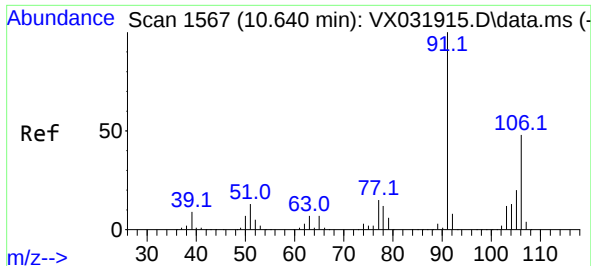
Tgt Ion: 106 Resp: 4773

Ion Ratio Lower Upper

106 100

91 189.0 161.0 241.4

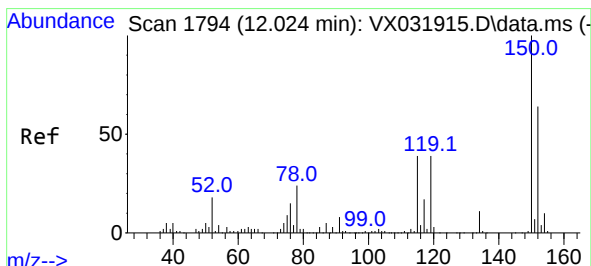
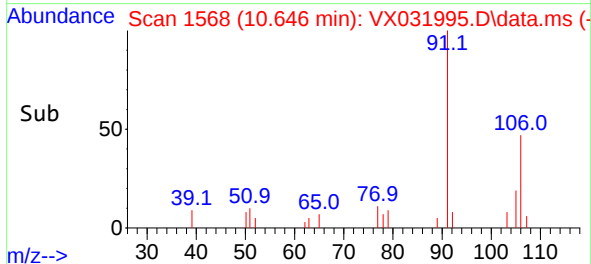
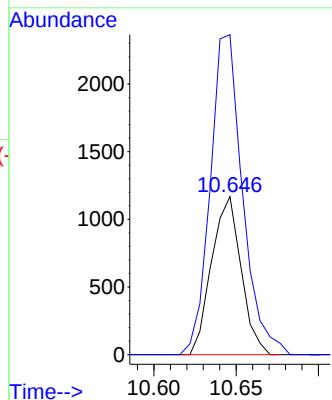
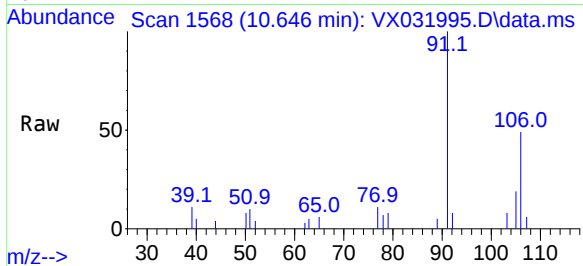




#69
o-Xylene
Concen: 0.749 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

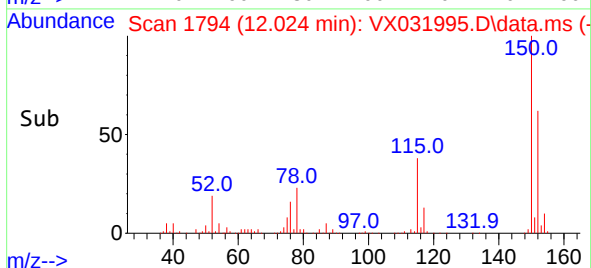
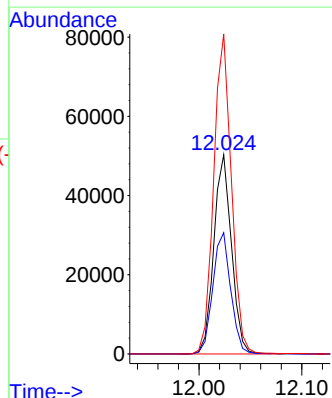
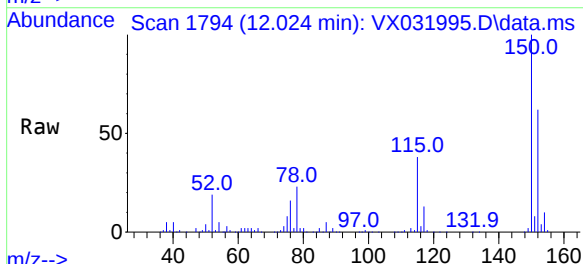
Instrument :
MSVOA_X
ClientSampleId :
TB-093022

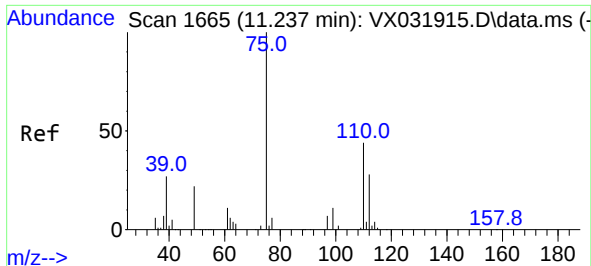
Tgt Ion:106 Resp: 1456
Ion Ratio Lower Upper
106 100
91 222.1 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

Tgt Ion:152 Resp: 60110
Ion Ratio Lower Upper
152 100
115 62.0 43.4 130.1
150 160.7 0.0 346.8

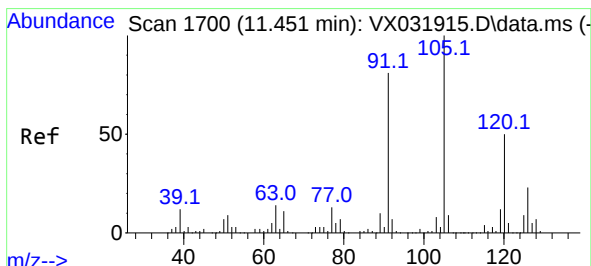
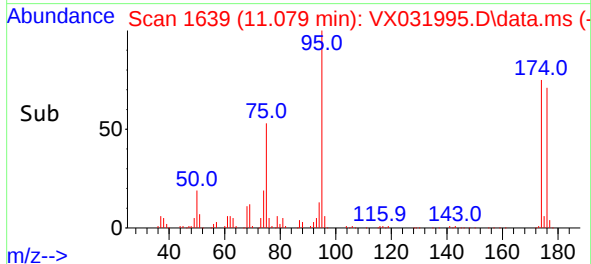
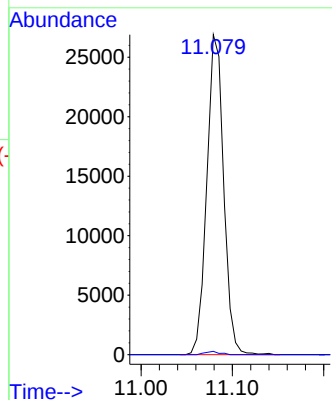
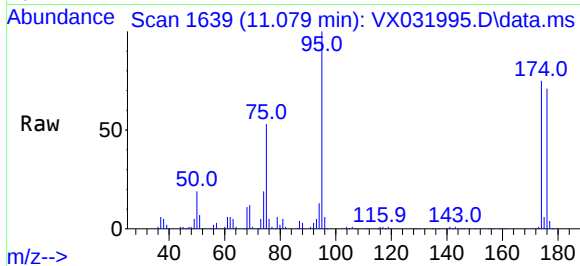




#76
1,2,3-Trichloropropane
Concen: 27.856 ug/l
RT: 11.079 min Scan# 1665
Delta R.T. -0.158 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

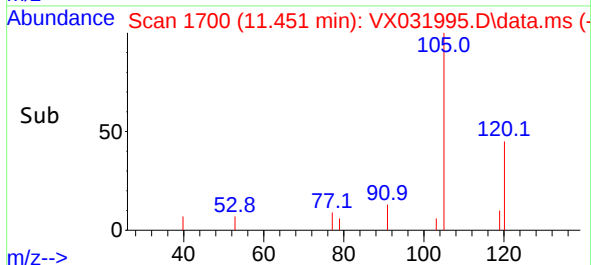
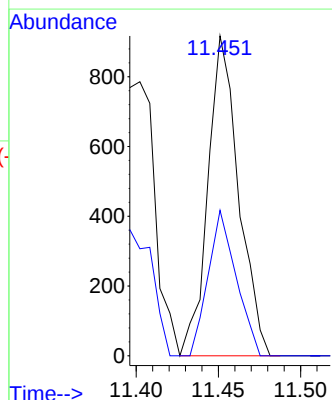
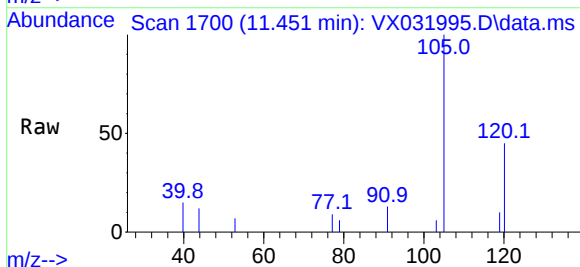
Instrument :
MSVOA_X
ClientSampleId :
TB-093022

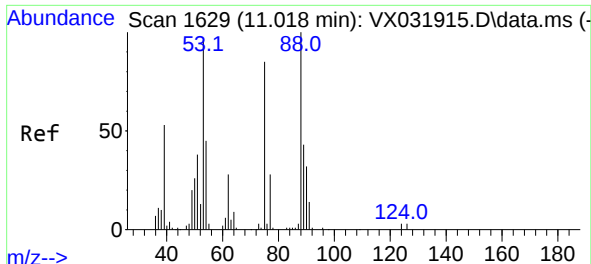
Tgt Ion: 75 Resp: 34317
Ion Ratio Lower Upper
75 100
77 0.9 20.3 60.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.317 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

Tgt Ion: 105 Resp: 1193
Ion Ratio Lower Upper
105 100
120 41.4 24.5 73.5

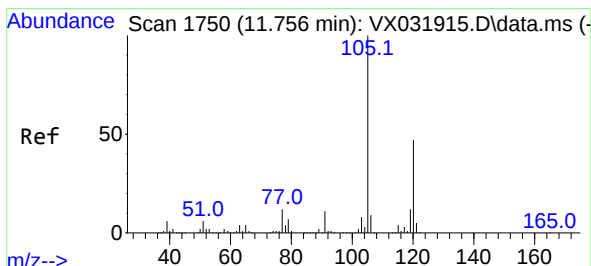
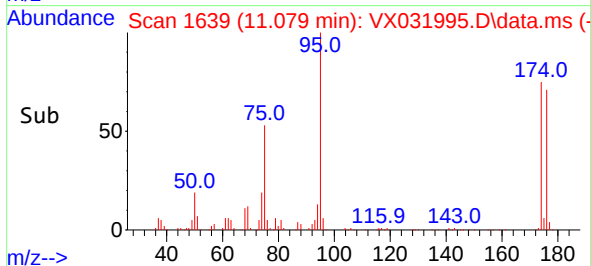
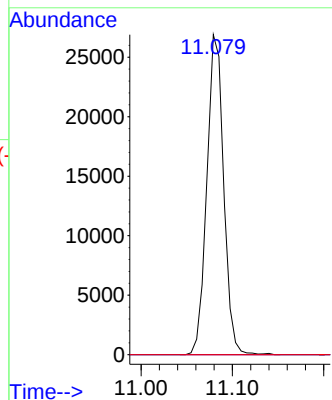
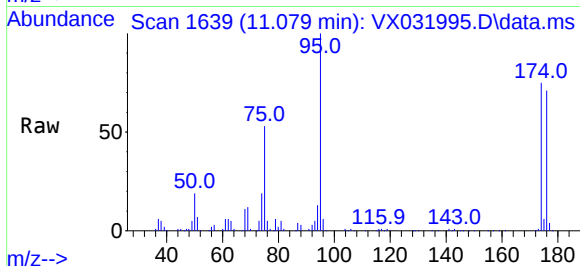




#81
trans-1,4-Dichloro-2-butene
Concen: 95.335 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

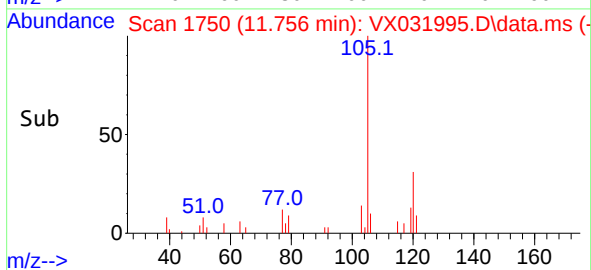
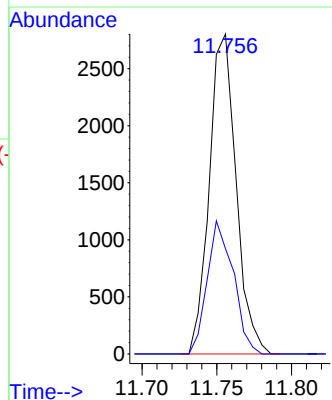
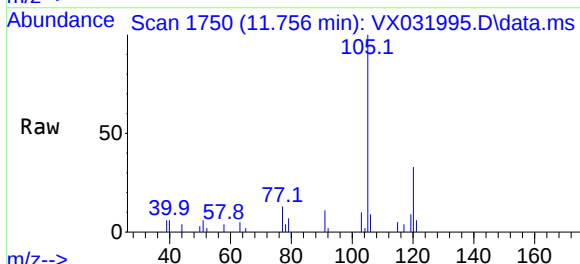
Instrument :
MSVOA_X
ClientSampleId :
TB-093022

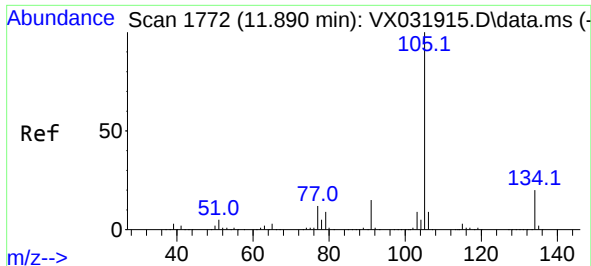
Tgt Ion: 75 Resp: 34317
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.917 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

Tgt Ion: 105 Resp: 3502
Ion Ratio Lower Upper
105 100
120 40.5 22.6 67.8

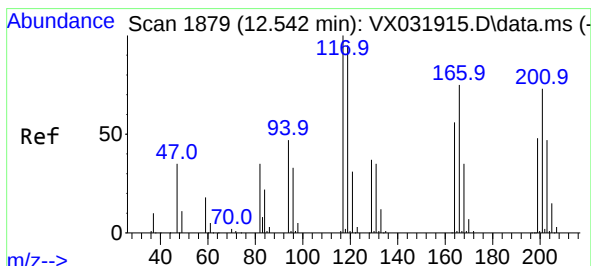
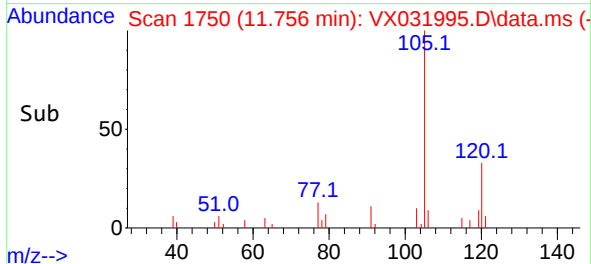
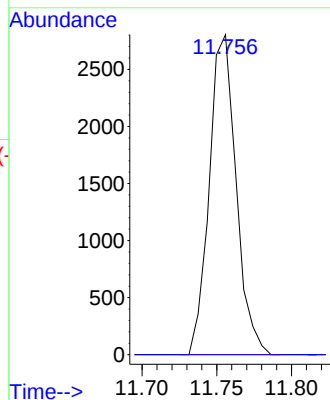
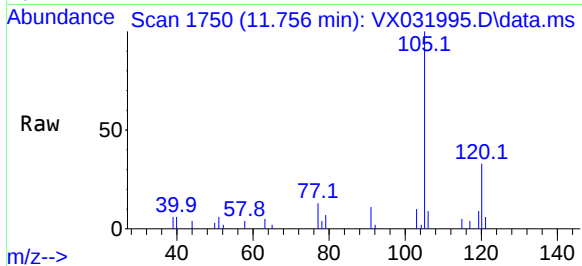




#85
sec-Butylbenzene
Concen: 0.760 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.134 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

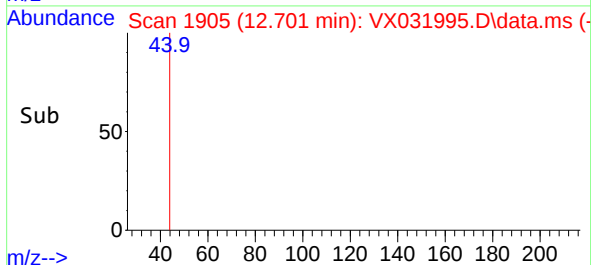
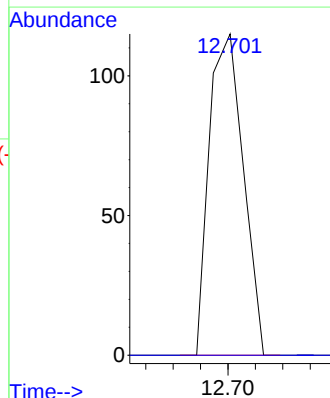
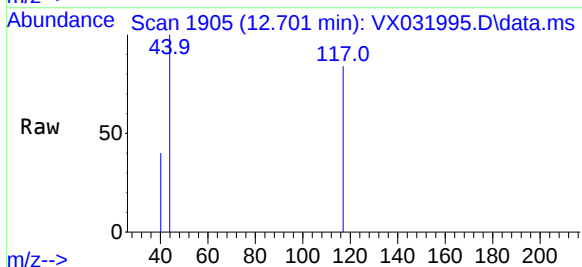
Instrument :
MSVOA_X
ClientSampleId :
TB-093022

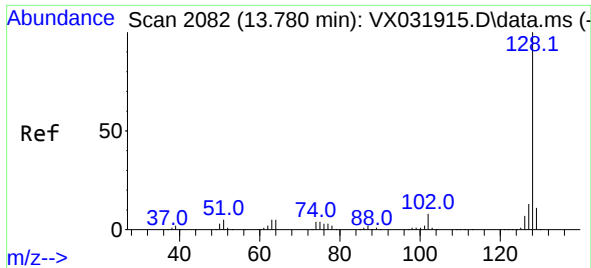
Tgt Ion:105 Resp: 3502
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#



#90
Hexachloroethane
Concen: 1.465 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX031995.D
Acq: 08 Oct 2022 05:48

Tgt Ion:117 Resp: 99
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#





#95

Naphthalene

Concen: 0.264 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX031995.D

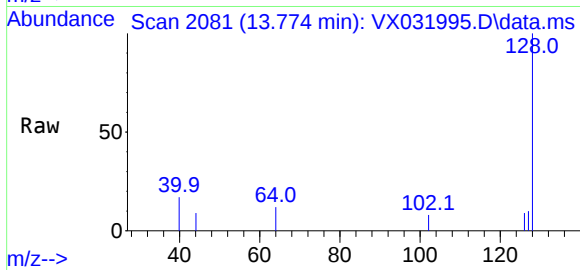
Acq: 08 Oct 2022 05:48

Instrument :

MSVOA_X

ClientSampleId :

TB-093022



Tgt Ion:	128	Resp:	1160
Ion	Ratio	Lower	Upper
128	100		
127	7.3	10.4	15.6#
129	0.0	8.8	13.2#

