

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031542.D
 Acq On : 22 Sep 2022 01:35
 Operator : JC/MD
 Sample : N4614-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 22 04:24:13 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)

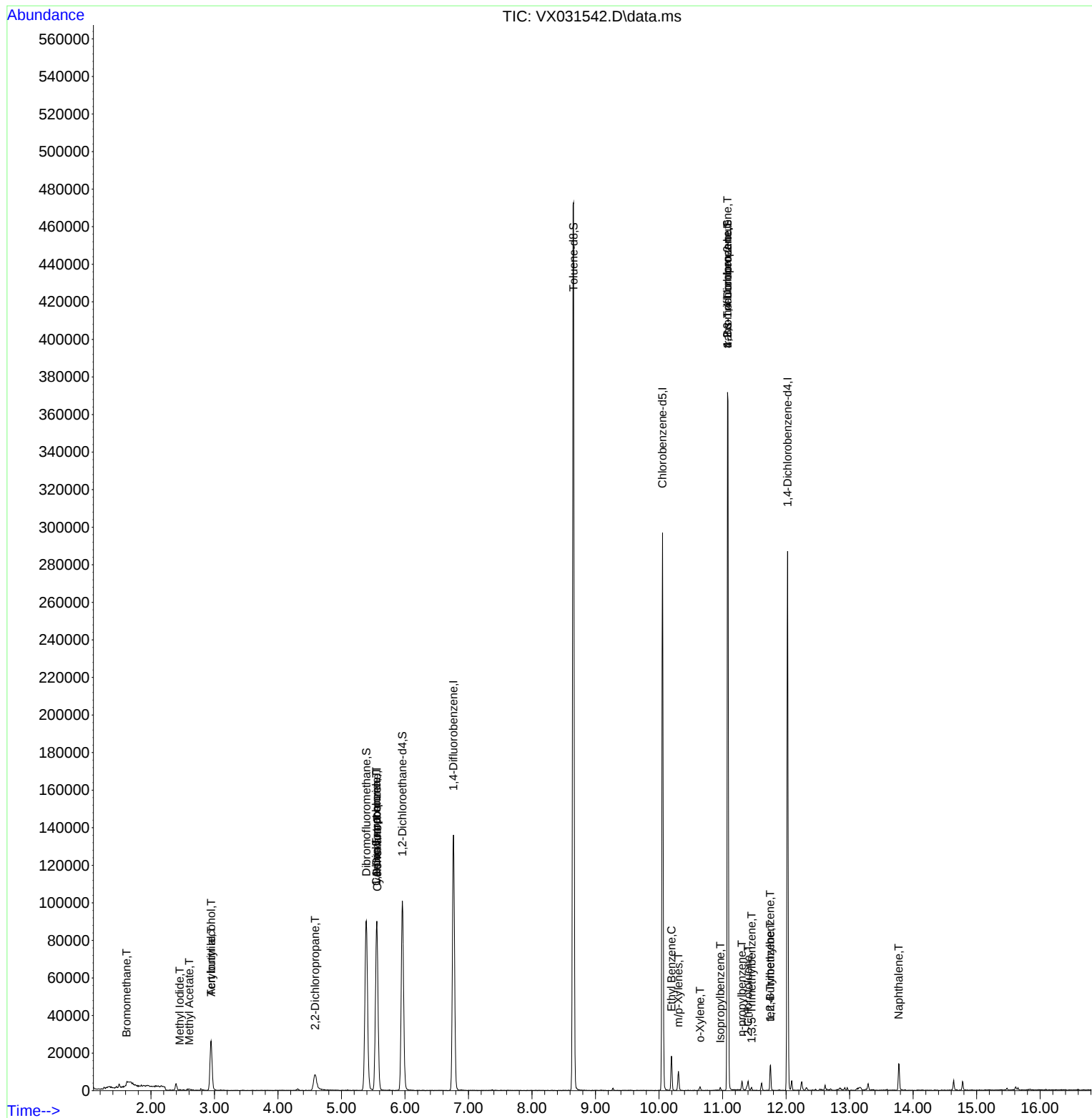
Internal Standards						
1) Pentafluorobenzene	5.556	168	86885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	141141	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	57227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88916	55.824	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.640%	
35) Dibromofluoromethane	5.391	113	74213	50.884	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.760%	
50) Toluene-d8	8.653	98	280270	49.842	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.680%	
62) 4-Bromofluorobenzene	11.079	95	86978	45.664	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	713	0.265	ug/l #	78
6) Chloroethane	1.679	64	143	Below Cal	#	43
10) Methyl Iodide	2.453	142	346	0.256	ug/l #	81
11) Tert butyl alcohol	2.947	59	15260	15.221	ug/l #	75
13) Acrolein	2.117	56	21	Below Cal	#	29
15) Acrylonitrile	2.947	53	220	0.262	ug/l #	17
16) Acetone	2.398	43	4317	Below Cal		89
18) Methyl Acetate	2.605	43	516	0.217	ug/l #	52
20) Methylene Chloride	2.782	84	314	Below Cal	#	66
26) 2,2-Dichloropropane	4.587	77	784	0.329	ug/l #	54
31) Cyclohexane	5.562	56	2166	0.916	ug/l #	64
36) 1,1-Dichloropropene	5.550	75	7185	3.203	ug/l #	48
38) Carbon Tetrachloride	5.550	117	8311	3.342	ug/l #	18
67) Ethyl Benzene	10.195	91	10618	1.573	ug/l	99
68) m/p-Xylenes	10.305	106	2561	0.944	ug/l	88
69) o-Xylene	10.646	106	563	0.217	ug/l	87
73) Isopropylbenzene	10.963	105	855	0.200	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.085	83	81	Below Cal	#	20
76) 1,2,3-Trichloropropane	11.079	75	50008	39.153	ug/l #	37
78) n-propylbenzene	11.305	91	3235	0.658	ug/l	95
79) 2-Chlorotoluene	11.402	91	587	0.201	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.457	105	817	0.225	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	50008	126.067	ug/l #	11
83) tert-Butylbenzene	11.750	119	804	0.229	ug/l #	60
84) 1,2,4-Trimethylbenzene	11.750	105	6040	1.691	ug/l	96
95) Naphthalene	13.774	128	10374	2.529	ug/l	99

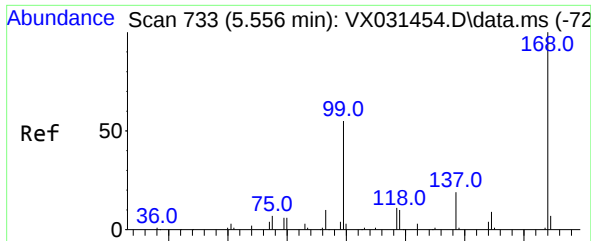
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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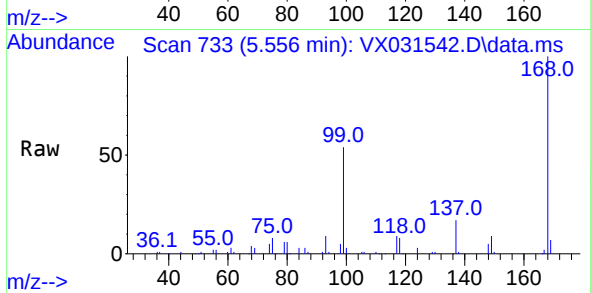
Quant Time: Sep 22 04:24:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration



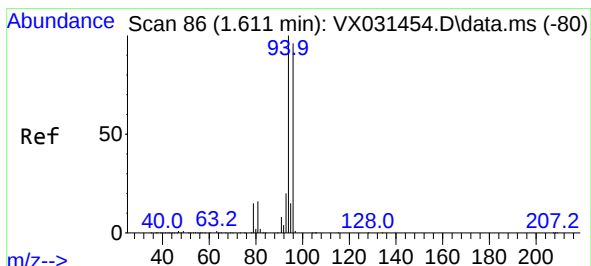
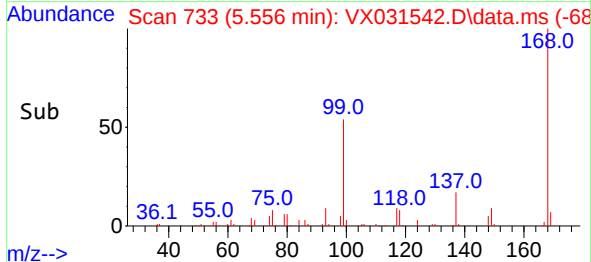
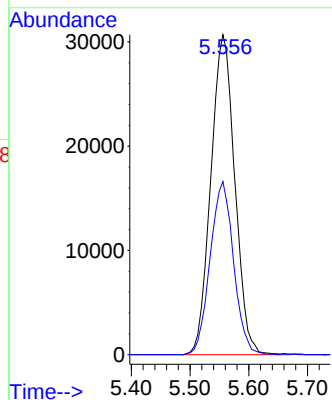


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

Instrument :
MSVOA_X
ClientSampleId :

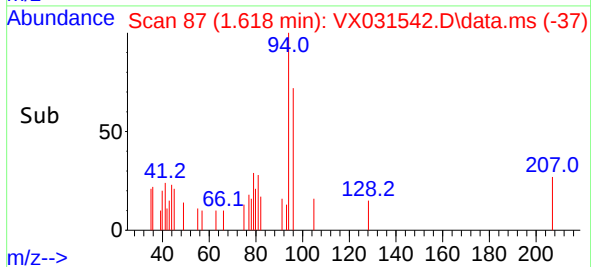
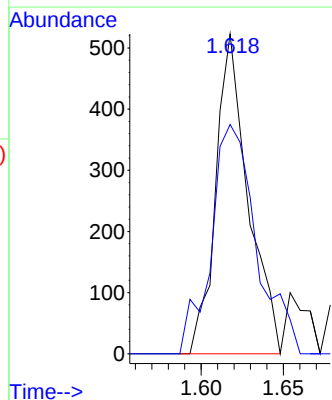
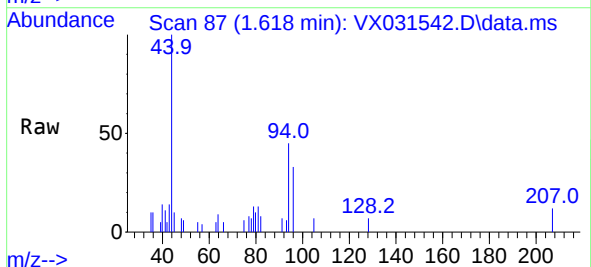


Tgt Ion:168 Resp: 86885
Ion Ratio Lower Upper
168 100
99 54.1 48.8 73.2

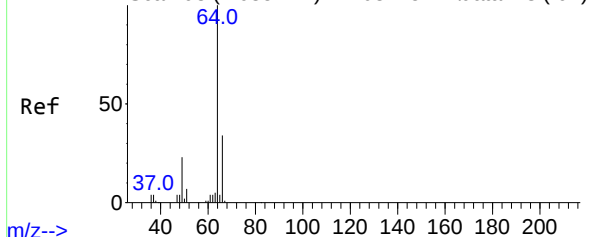


#5
Bromomethane
Concen: 0.265 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

Tgt Ion: 94 Resp: 713
Ion Ratio Lower Upper
94 100
96 71.7 74.4 111.6#



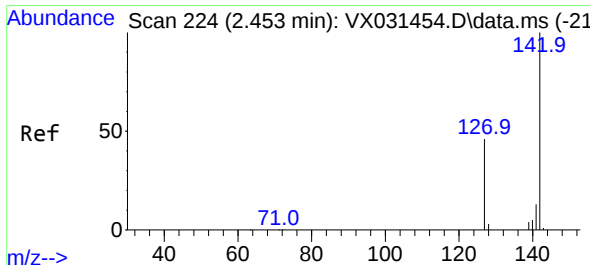
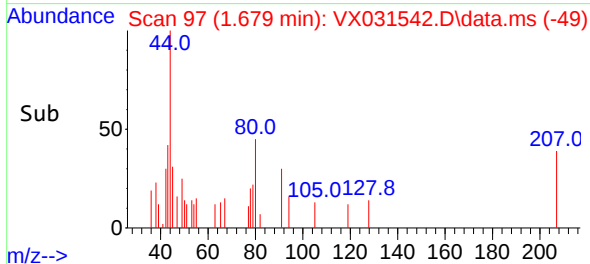
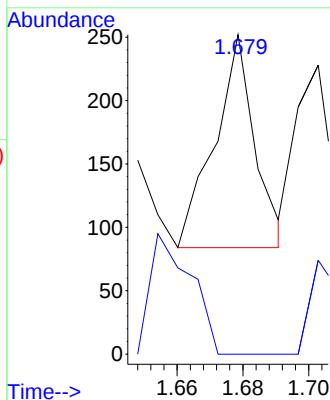
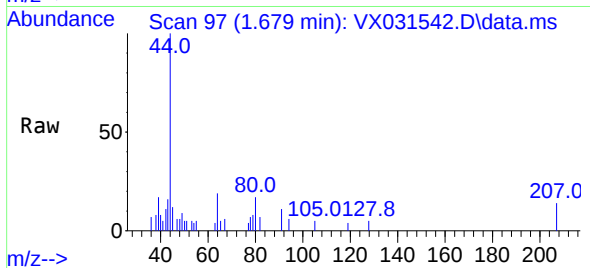
Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

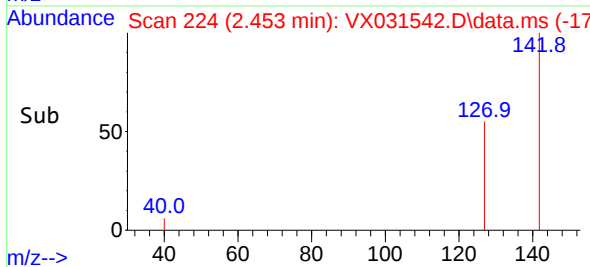
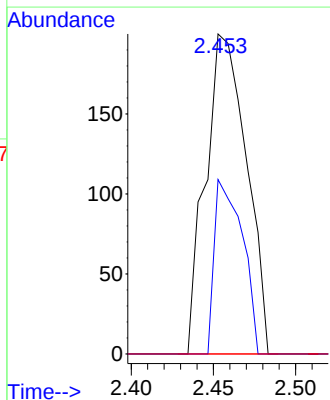
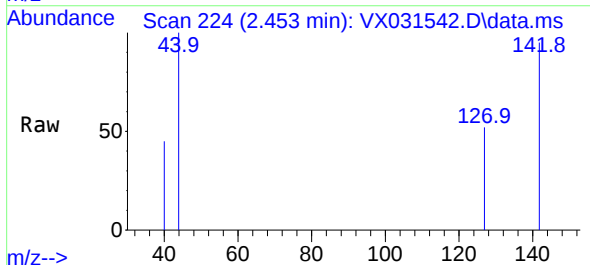
Instrument :
MSVOA_X
ClientSampleId :

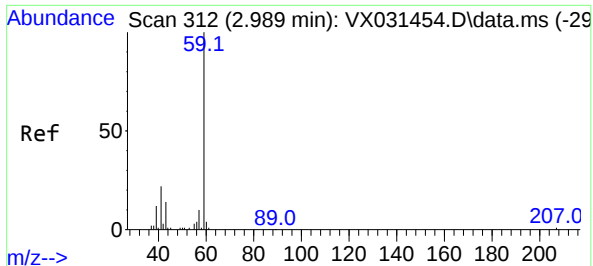
Tgt Ion: 64 Resp: 143
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 0.256 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

Tgt Ion:142 Resp: 346
Ion Ratio Lower Upper
142 100
127 37.3 37.4 56.0#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 15.221 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.042 min

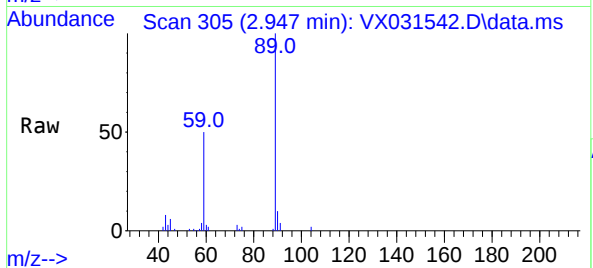
Lab File: VX031542.D

Acq: 22 Sep 2022 01:35

Instrument :

MSVOA_X

ClientSampleId :

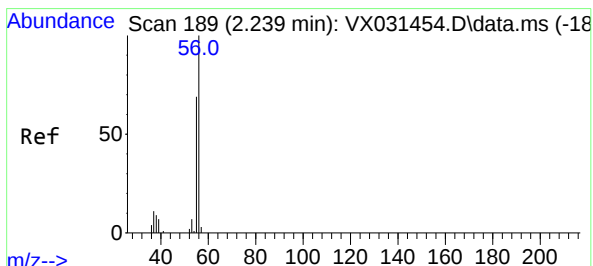
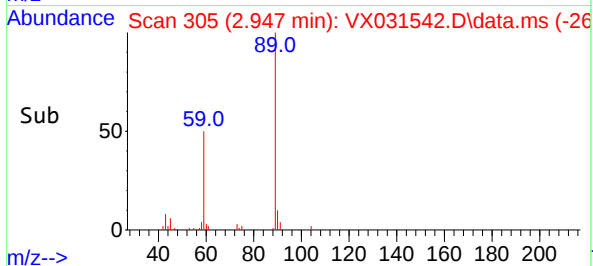
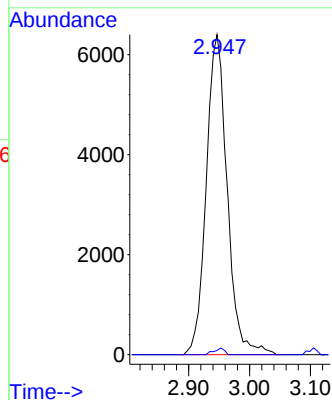


Tgt Ion: 59 Resp: 15260

Ion Ratio Lower Upper

59 100

57 1.0 8.2 12.2#



#13

Acrolein

Concen: Below Cal

RT: 2.117 min Scan# 169

Delta R.T. -0.122 min

Lab File: VX031542.D

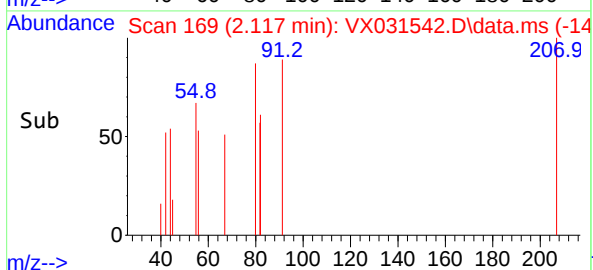
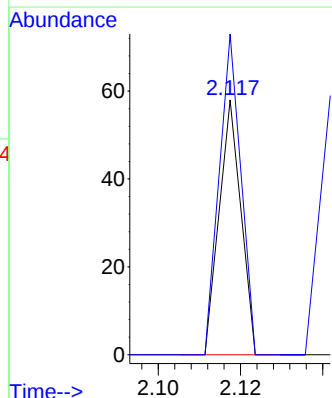
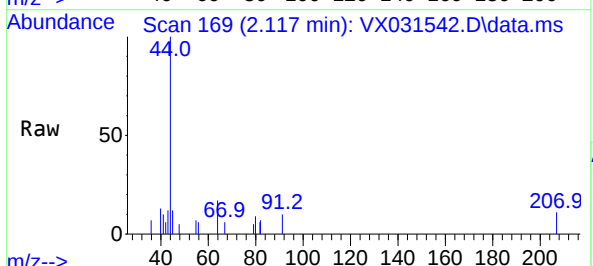
Acq: 22 Sep 2022 01:35

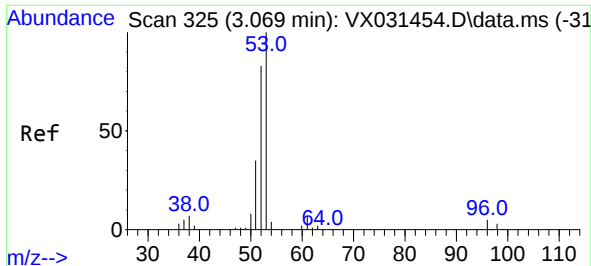
Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 128.6 56.0 84.0#





#15

Acrylonitrile

Concen: 0.262 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.122 min

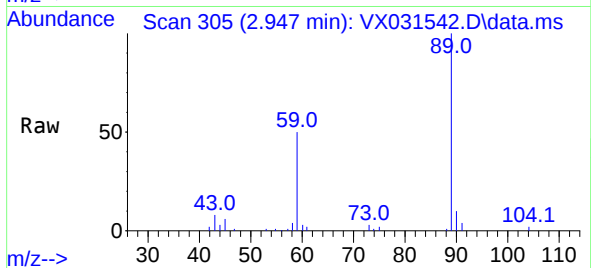
Lab File: VX031542.D

Acq: 22 Sep 2022 01:35

Instrument :

MSVOA_X

ClientSampleId :



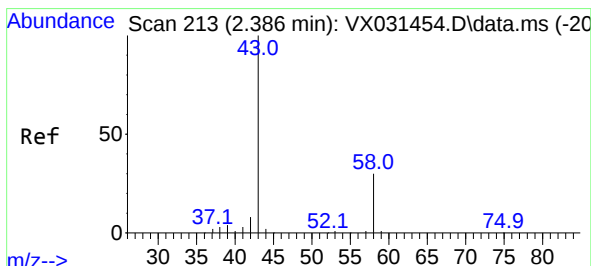
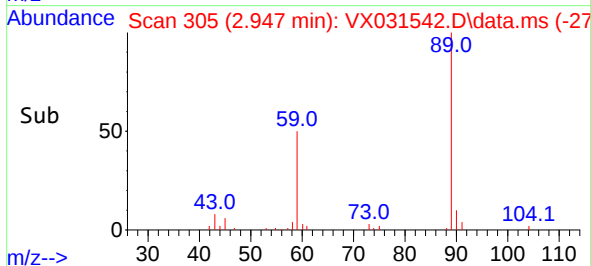
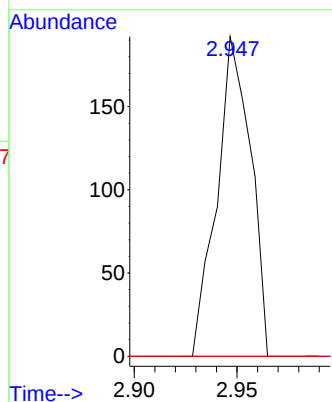
Tgt Ion: 53 Resp: 220

Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 0.0 30.0 45.0#



#16

Acetone

Concen: Below Cal

RT: 2.398 min Scan# 215

Delta R.T. 0.012 min

Lab File: VX031542.D

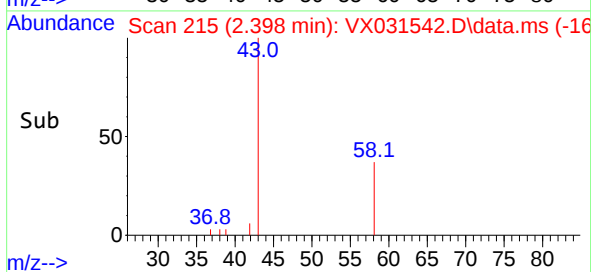
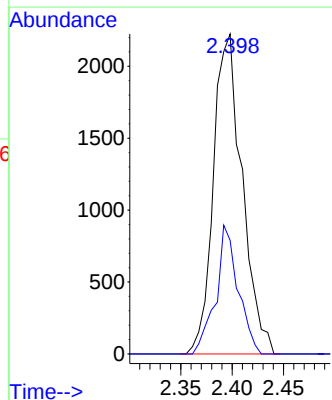
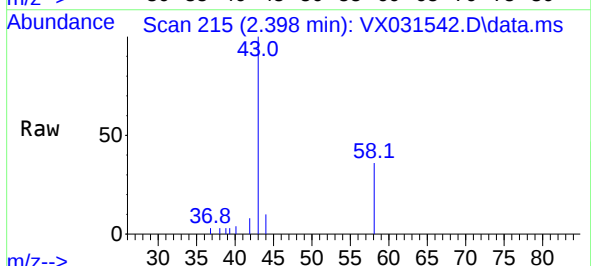
Acq: 22 Sep 2022 01:35

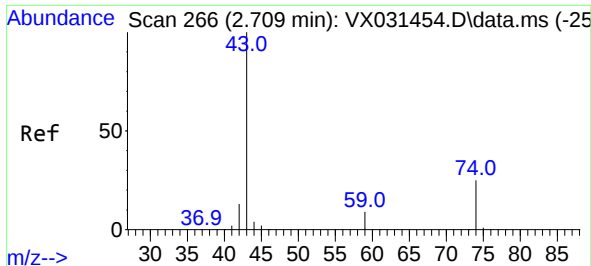
Tgt Ion: 43 Resp: 4317

Ion Ratio Lower Upper

43 100

58 35.5 23.8 35.8





#18

Methyl Acetate

Concen: 0.217 ug/l

RT: 2.605 min Scan# 24

Delta R.T. -0.104 min

Lab File: VX031542.D

Acq: 22 Sep 2022 01:35

Instrument :

MSVOA_X

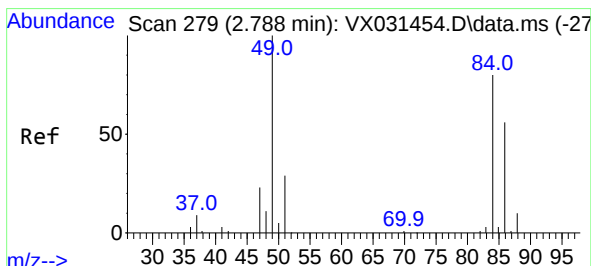
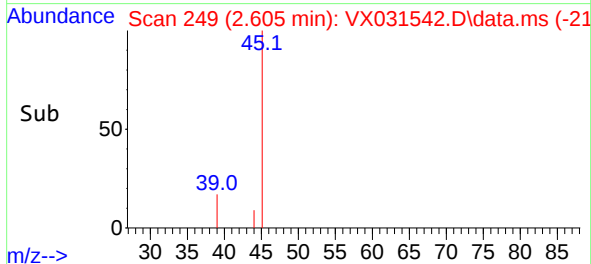
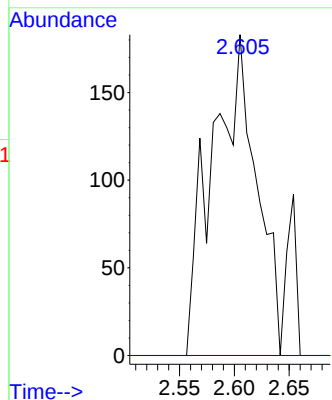
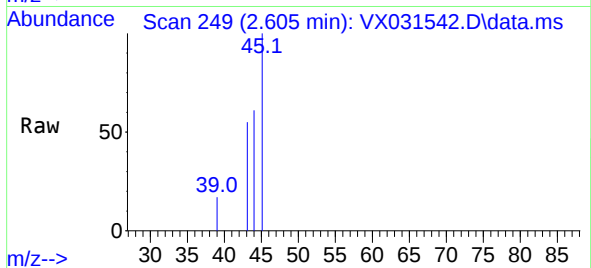
ClientSampleId :

Tgt Ion: 43 Resp: 516

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX031542.D

Acq: 22 Sep 2022 01:35

Tgt Ion: 84 Resp: 314

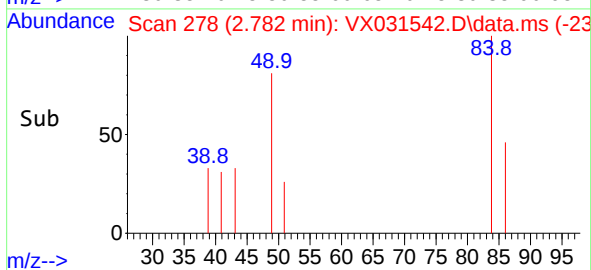
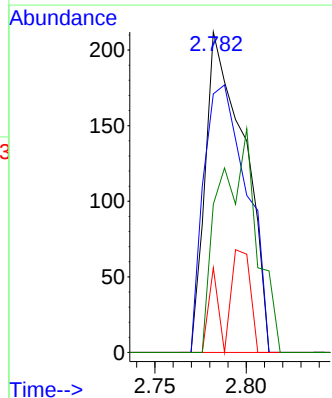
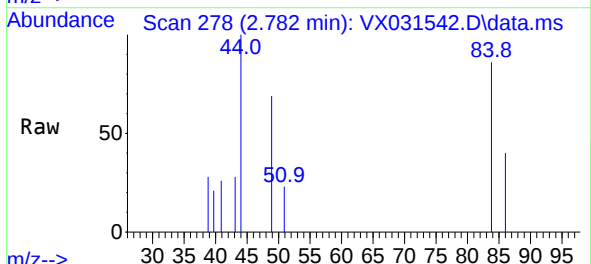
Ion Ratio Lower Upper

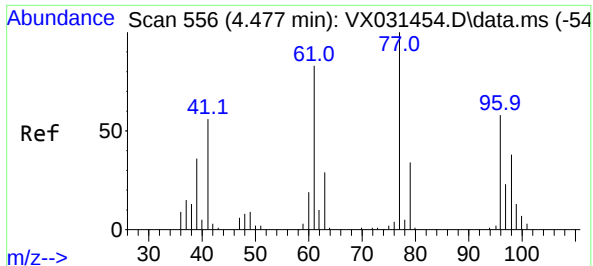
84 100

49 80.7 105.9 158.9#

51 26.4 32.2 48.2#

86 46.2 50.8 76.2#





#26

2,2-Dichloropropane

Concen: 0.329 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.110 min

Lab File: VX031542.D

Acq: 22 Sep 2022 01:35

Instrument :

MSVOA_X

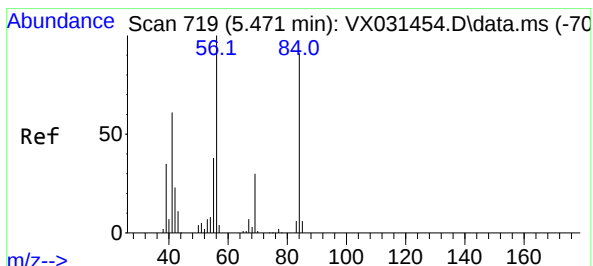
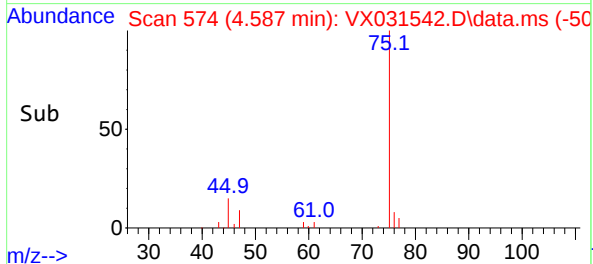
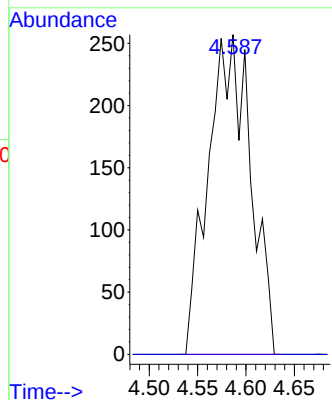
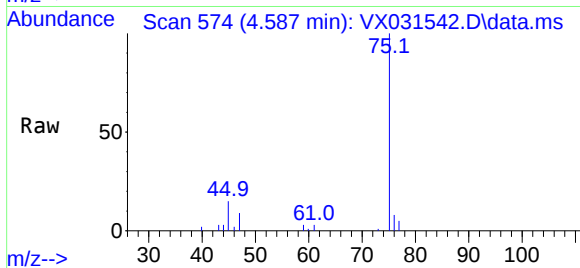
ClientSampleId :

Tgt Ion: 77 Resp: 784

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.6#



#31

Cyclohexane

Concen: 0.916 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.091 min

Lab File: VX031542.D

Acq: 22 Sep 2022 01:35

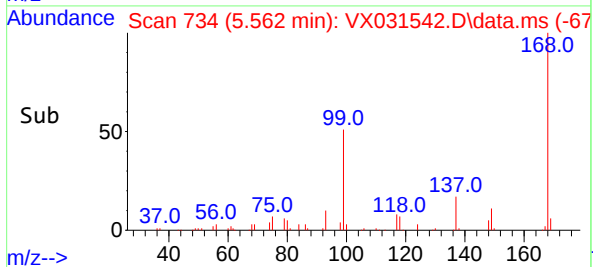
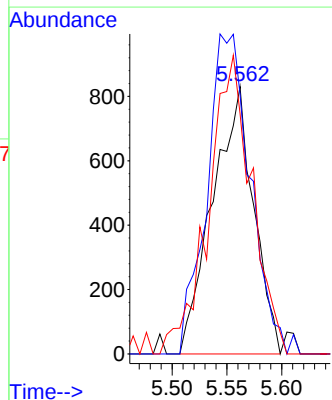
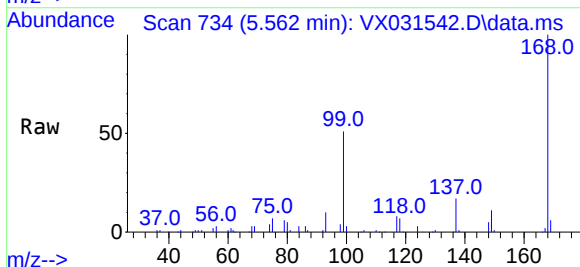
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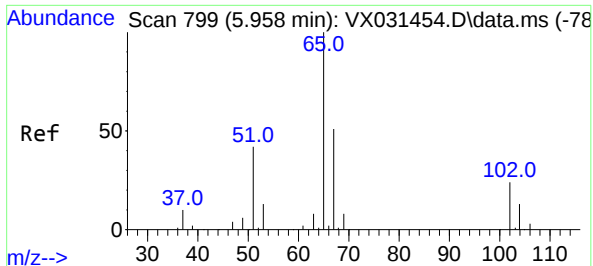
Ion Ratio Lower Upper

56 100

69 97.1 25.1 37.7#

84 81.8 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 55.824 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031542.D

Acq: 22 Sep 2022 01:35

Instrument :

MSVOA_X

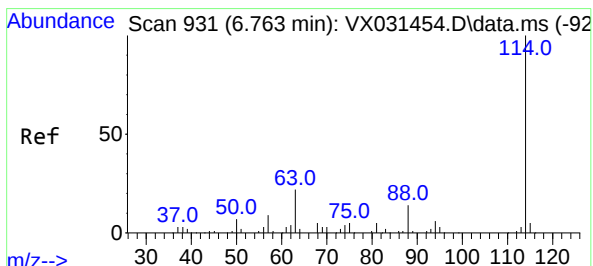
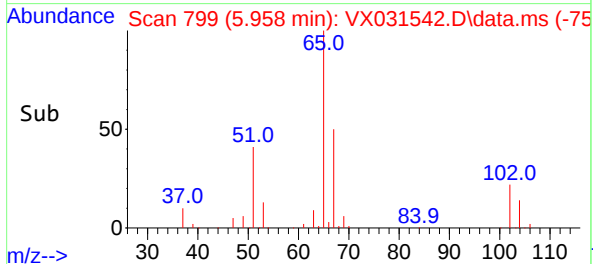
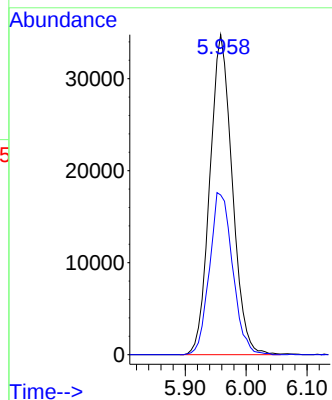
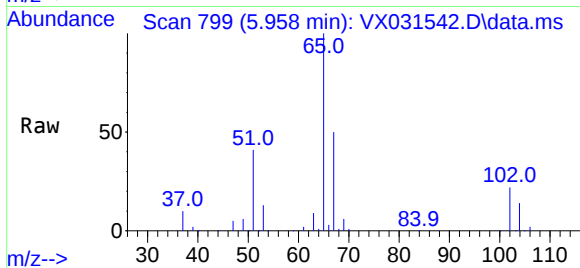
ClientSampleId :

Tgt Ion: 65 Resp: 88916

Ion Ratio Lower Upper

65 100

67 52.2 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: VX031542.D

Acq: 22 Sep 2022 01:35

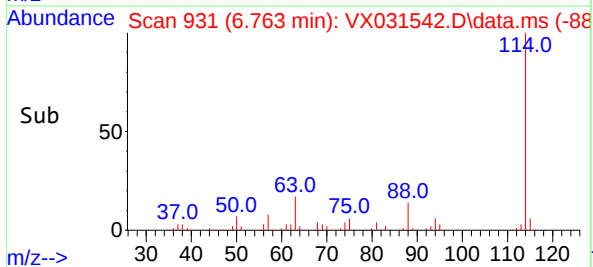
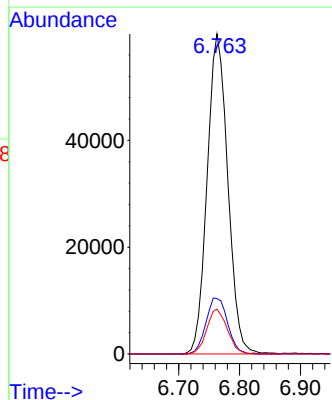
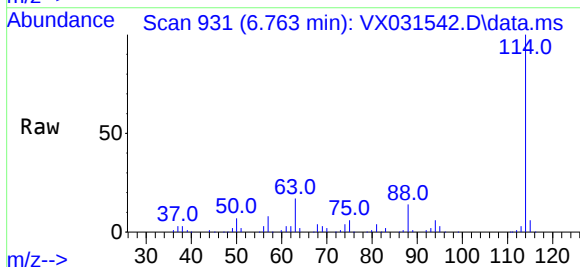
Tgt Ion: 114 Resp: 141141

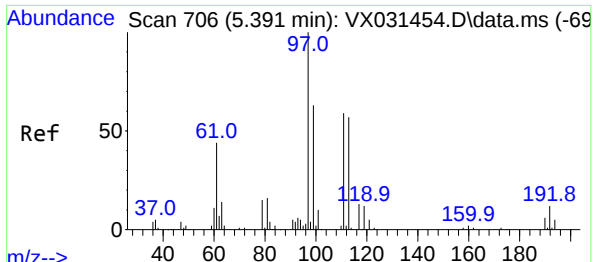
Ion Ratio Lower Upper

114 100

63 17.3 0.0 42.6

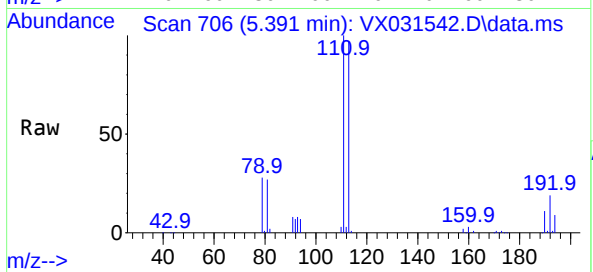
88 14.0 0.0 33.0



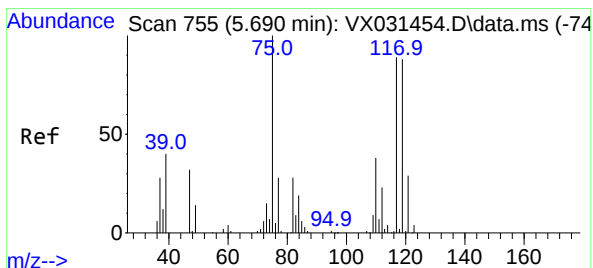
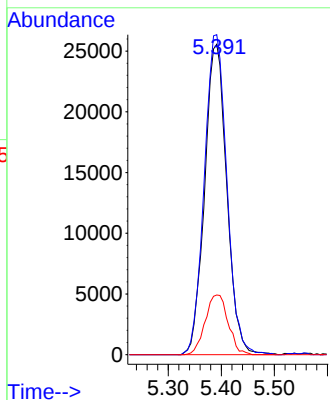
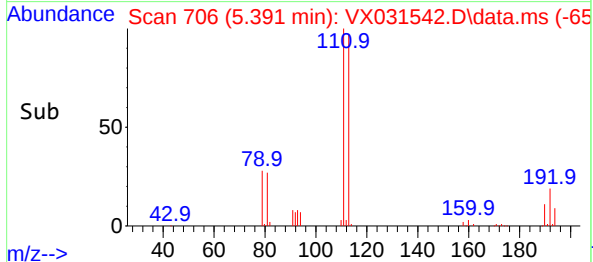


#35
Dibromofluoromethane
Concen: 50.884 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

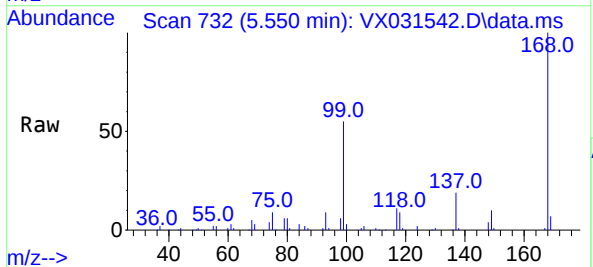
Instrument :
MSVOA_X
ClientSampleId :



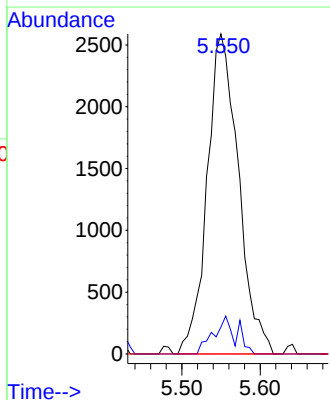
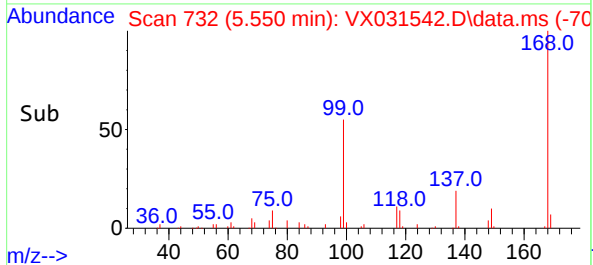
Tgt Ion:113 Resp: 74213
Ion Ratio Lower Upper
113 100
111 104.8 82.4 123.6
192 19.8 14.1 21.1

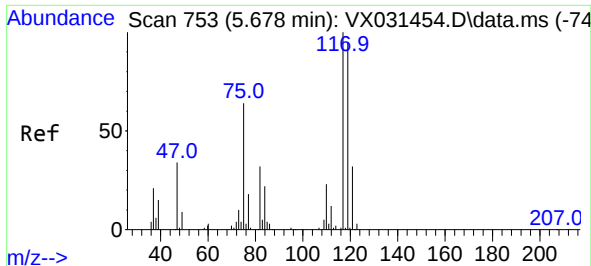


#36
1,1-Dichloropropene
Concen: 3.203 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35



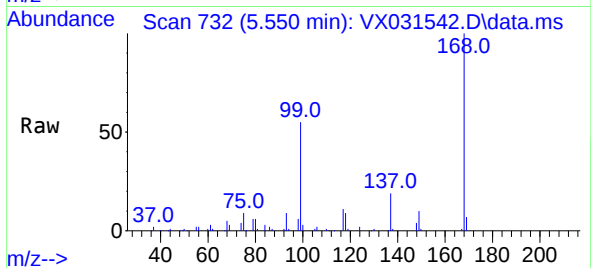
Tgt Ion: 75 Resp: 7185
Ion Ratio Lower Upper
75 100
110 6.6 17.5 52.5#
77 0.0 24.9 37.3#



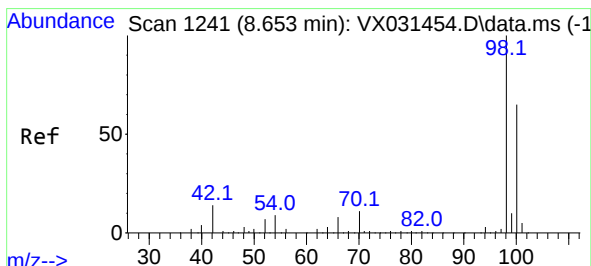
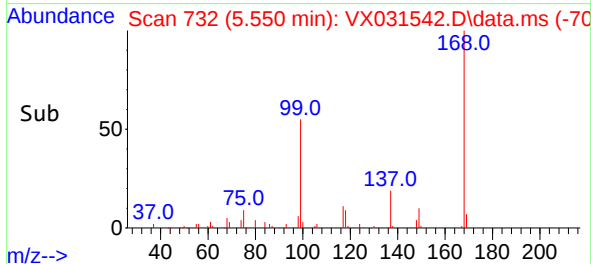
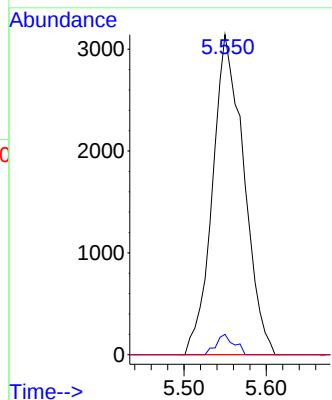


#38
Carbon Tetrachloride
Concen: 3.342 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

Instrument :
MSVOA_X
ClientSampleId :

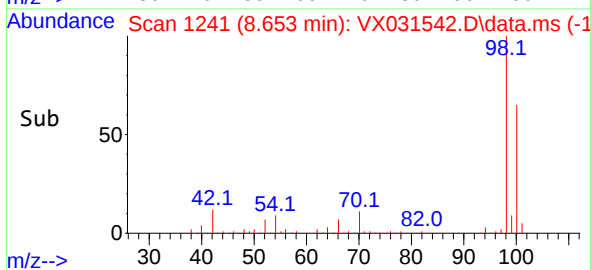
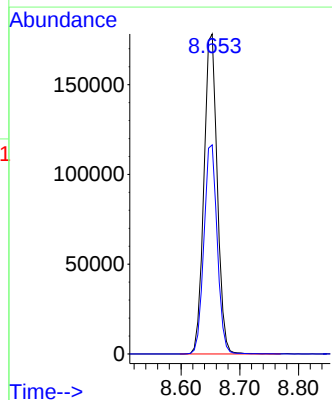
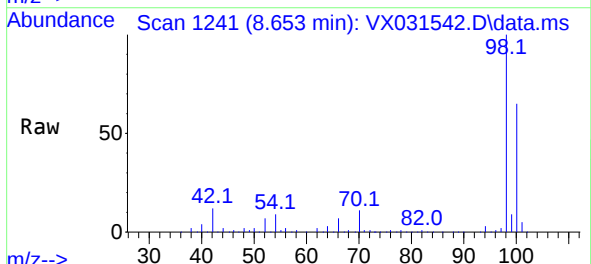


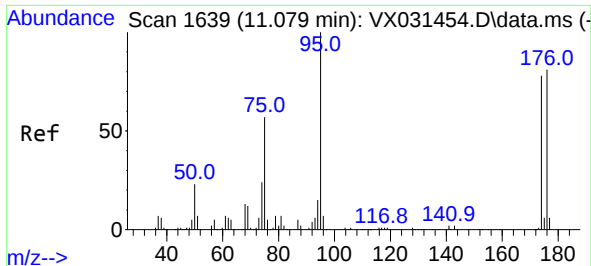
Tgt Ion:117 Resp: 8311
Ion Ratio Lower Upper
117 100
119 6.4 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 49.842 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

Tgt Ion: 98 Resp: 280270
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7





#62

4-Bromofluorobenzene

Concen: 45.664 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031542.D

Acq: 22 Sep 2022 01:35

Instrument :

MSVOA_X

ClientSampleId :

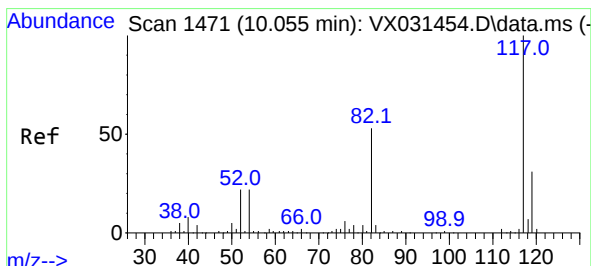
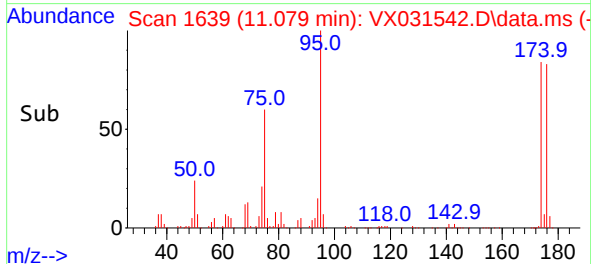
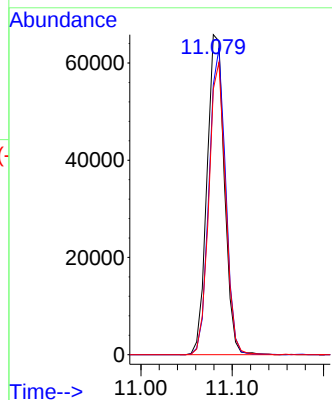
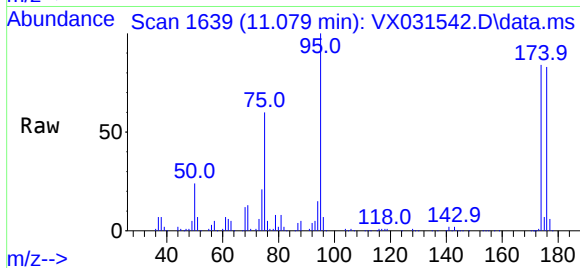
Tgt Ion: 95 Resp: 86978

Ion Ratio Lower Upper

95 100

174 91.1 0.0 153.2

176 87.5 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: VX031542.D

Acq: 22 Sep 2022 01:35

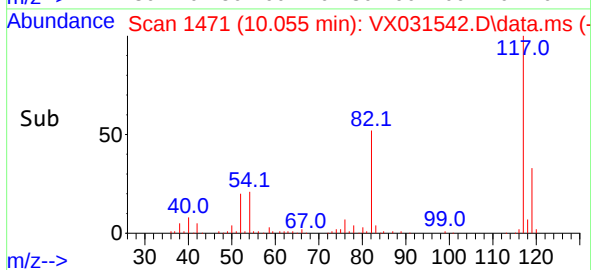
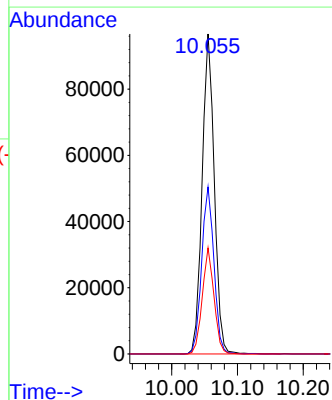
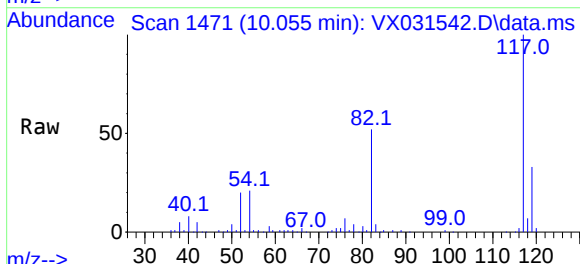
Tgt Ion: 117 Resp: 123949

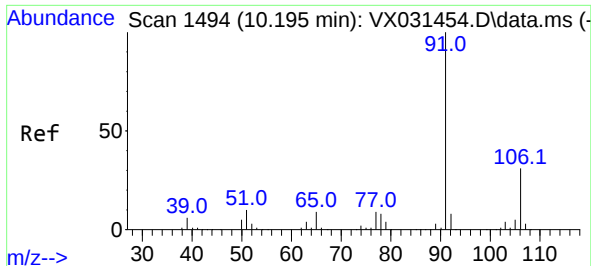
Ion Ratio Lower Upper

117 100

82 52.2 46.8 70.2

119 33.1 26.4 39.6





#67

Ethyl Benzene

Concen: 1.573 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX031542.D

Acq: 22 Sep 2022 01:35

Instrument :

MSVOA_X

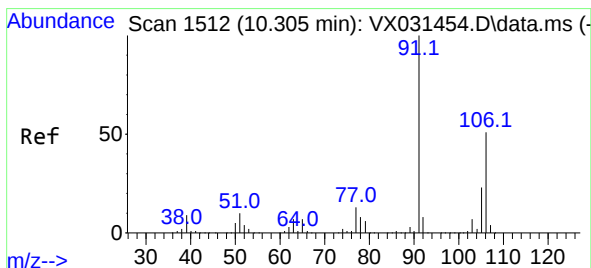
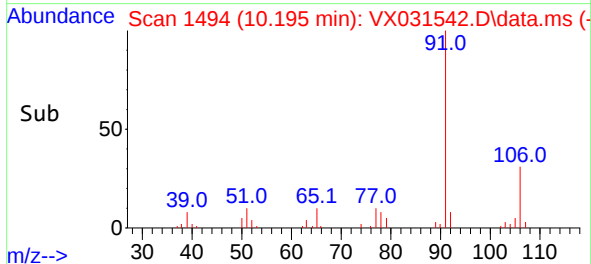
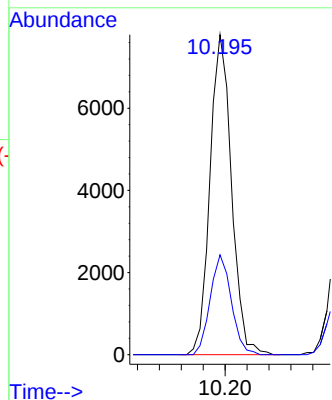
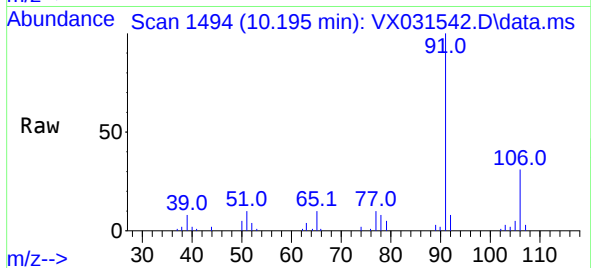
ClientSampleId :

Tgt Ion: 91 Resp: 10618

Ion Ratio Lower Upper

91 100

106 31.2 25.2 37.8



#68

m/p-Xylenes

Concen: 0.944 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX031542.D

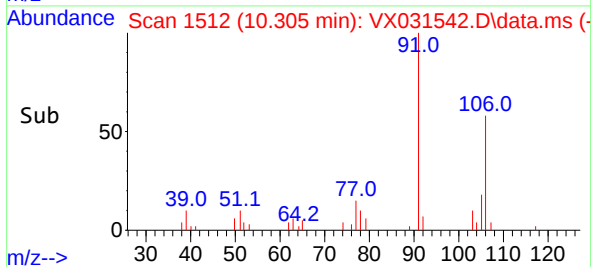
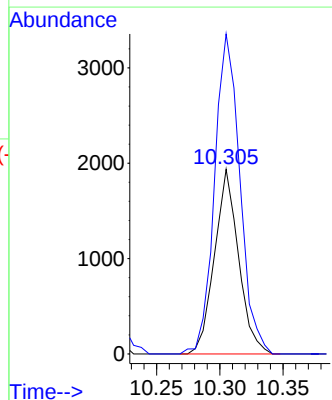
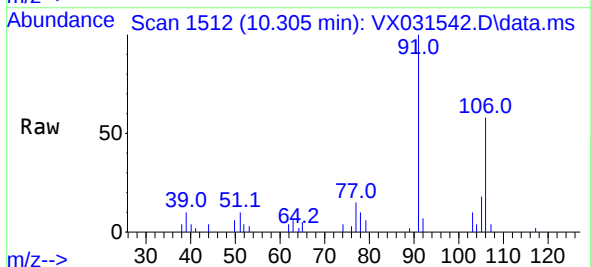
Acq: 22 Sep 2022 01:35

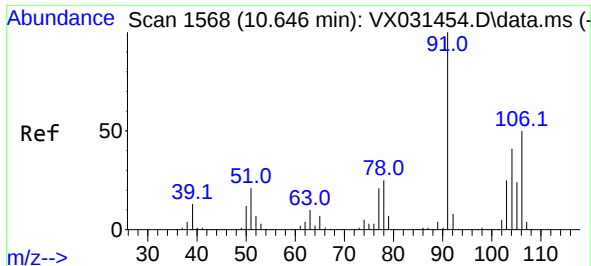
Tgt Ion: 106 Resp: 2561

Ion Ratio Lower Upper

106 100

91 182.4 161.0 241.4

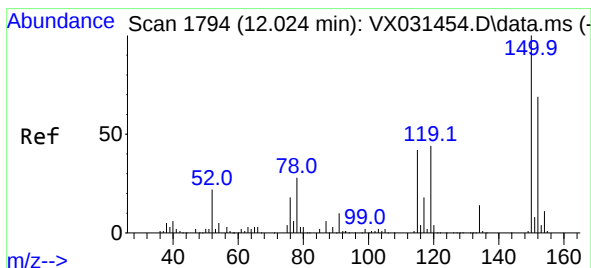
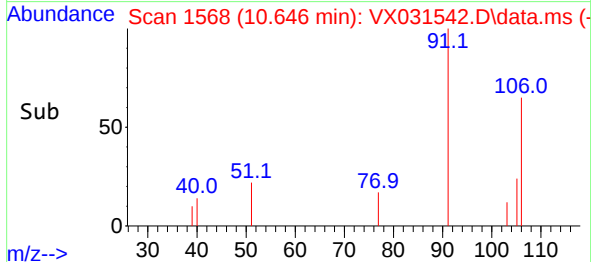
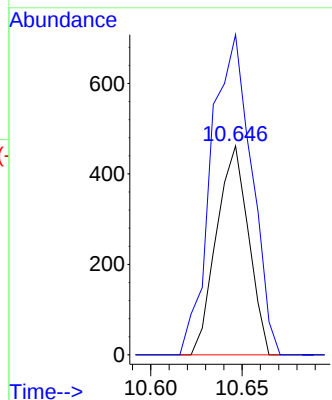
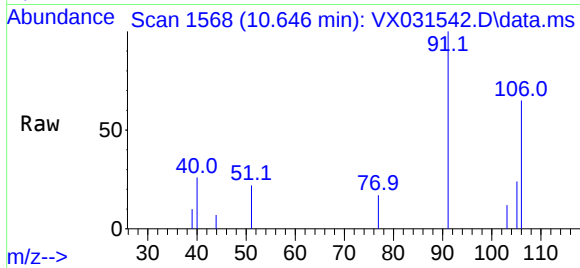




#69
o-Xylene
Concen: 0.217 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

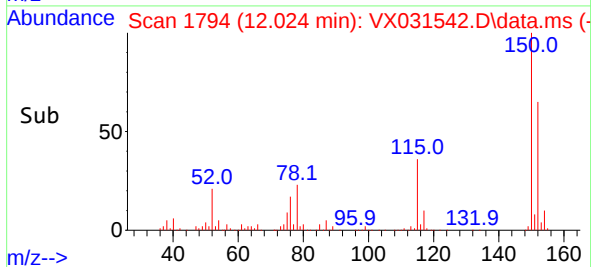
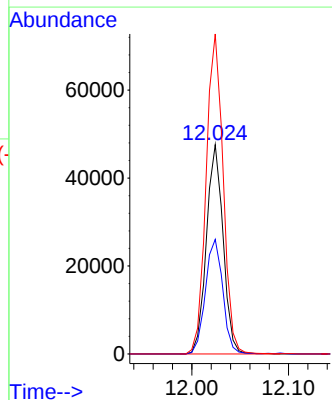
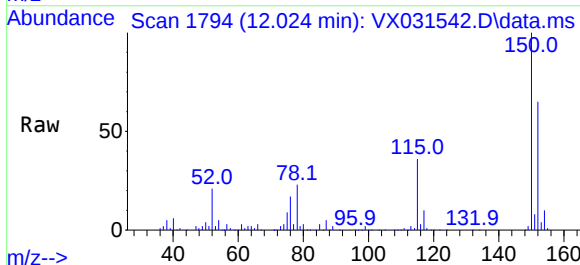
Instrument :
MSVOA_X
ClientSampleId :

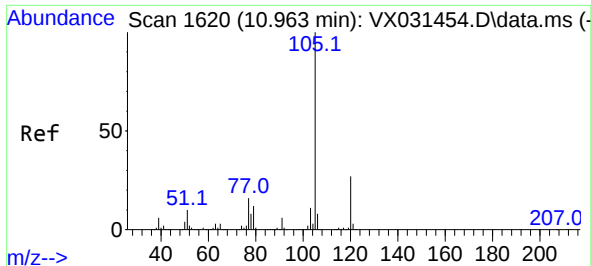
Tgt Ion:106 Resp: 563
Ion Ratio Lower Upper
106 100
91 193.4 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

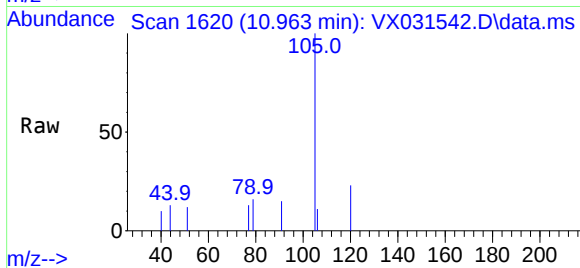
Tgt Ion:152 Resp: 57227
Ion Ratio Lower Upper
152 100
115 57.0 43.4 130.1
150 156.1 0.0 346.8



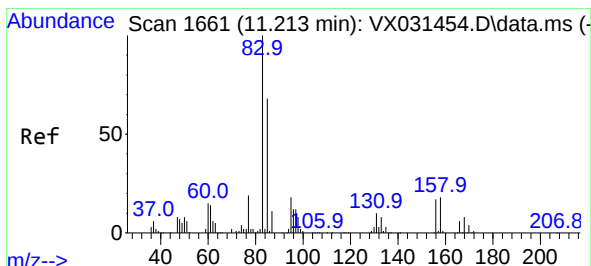
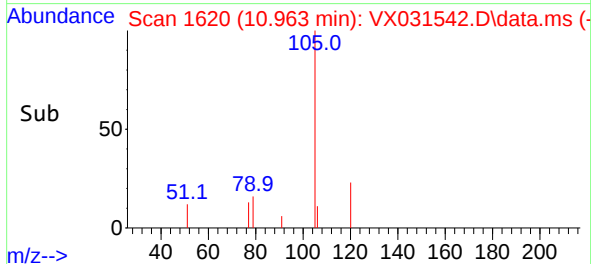
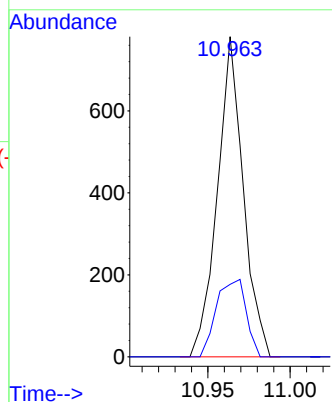


#73
Isopropylbenzene
Concen: 0.200 ug/l
RT: 10.963 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

Instrument :
MSVOA_X
ClientSampleId :

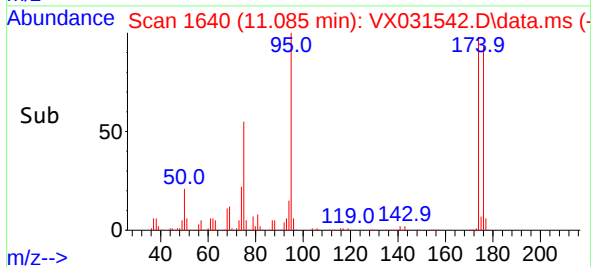
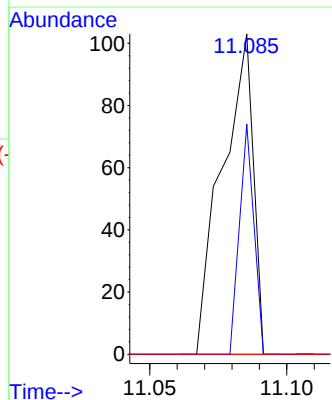
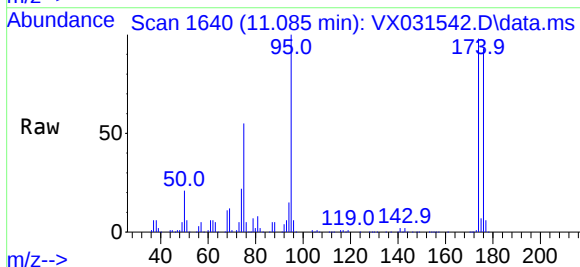


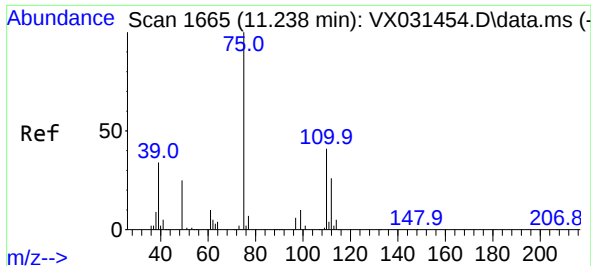
Tgt Ion:105 Resp: 855
Ion Ratio Lower Upper
105 100
120 27.6 13.7 41.0



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.085 min Scan# 1640
Delta R.T. -0.128 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

Tgt Ion: 83 Resp: 81
Ion Ratio Lower Upper
83 100
131 33.3 5.1 15.4#
85 0.0 32.6 97.8#

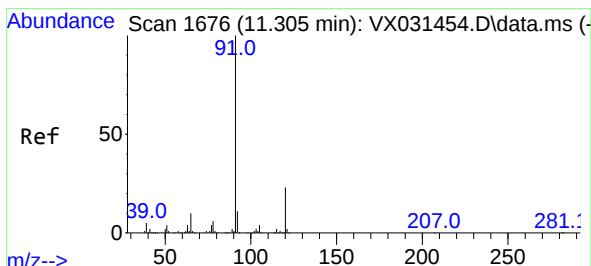
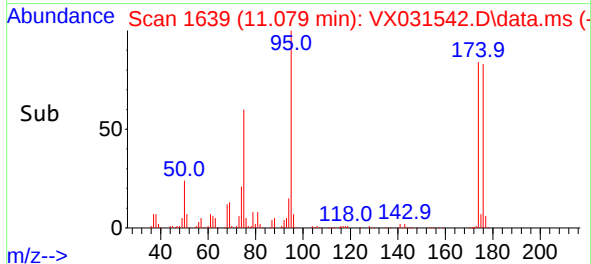
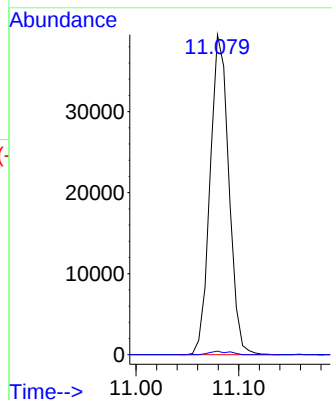
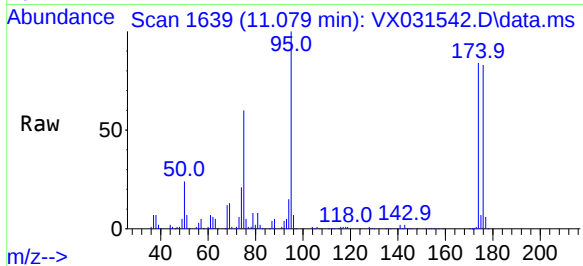




#76
1,2,3-Trichloropropane
Concen: 39.153 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

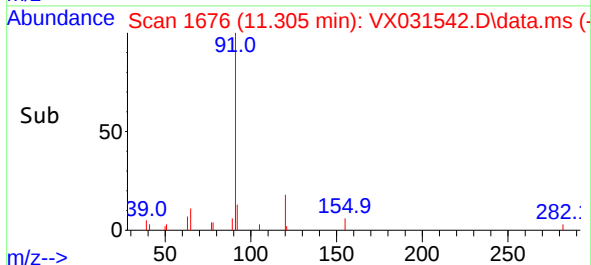
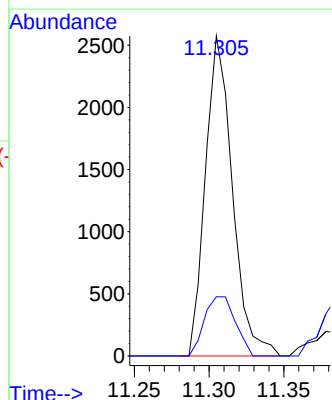
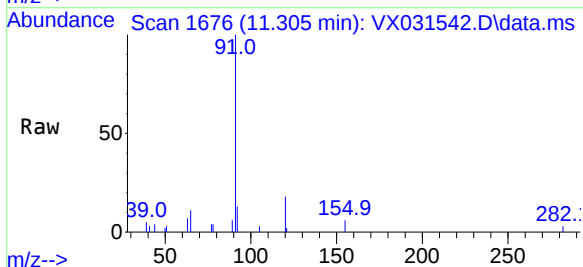
Instrument :
MSVOA_X
ClientSampleId :

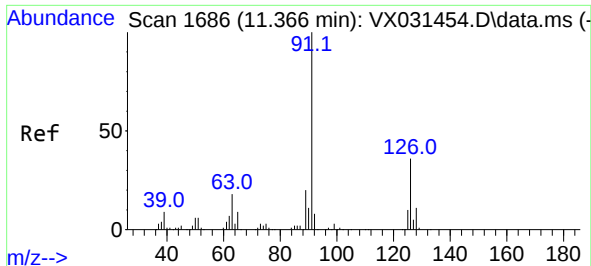
Tgt Ion: 75 Resp: 50008
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#78
n-propylbenzene
Concen: 0.658 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

Tgt Ion: 91 Resp: 3235
Ion Ratio Lower Upper
91 100
120 21.1 11.8 35.4

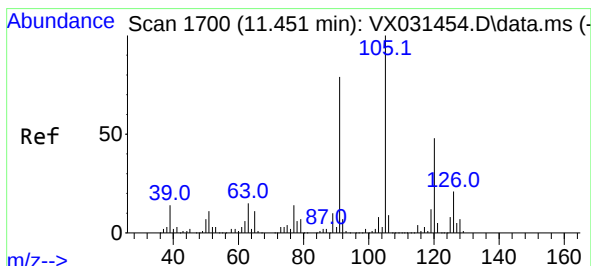
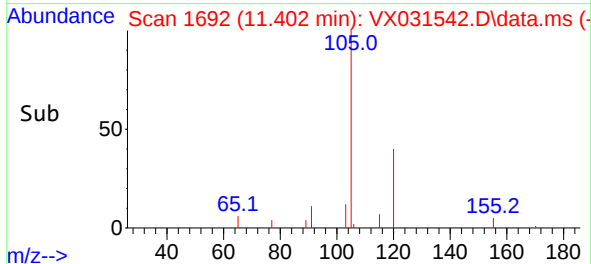
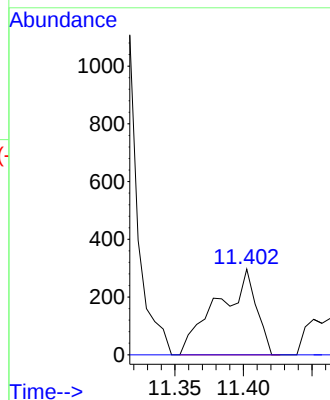
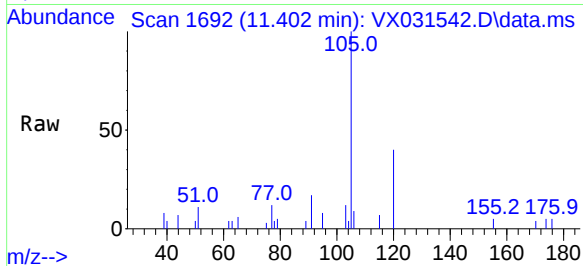




#79
2-Chlorotoluene
Concen: 0.201 ug/l
RT: 11.402 min Scan# 11
Delta R.T. 0.036 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

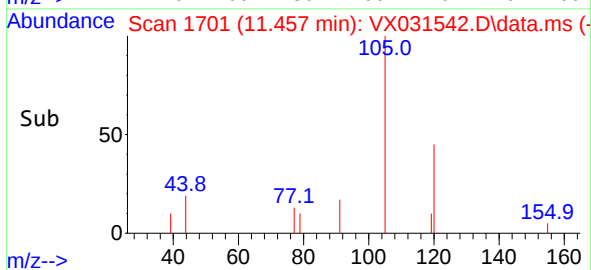
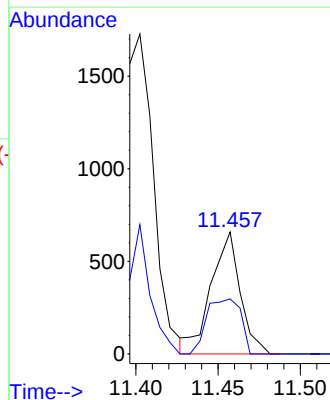
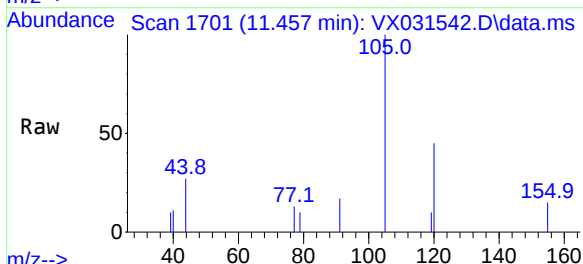
Instrument :
MSVOA_X
ClientSampleId :

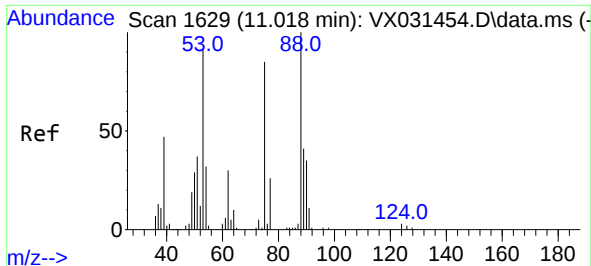
Tgt Ion: 91 Resp: 587
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.225 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

Tgt Ion: 105 Resp: 817
Ion Ratio Lower Upper
105 100
120 52.4 24.5 73.5

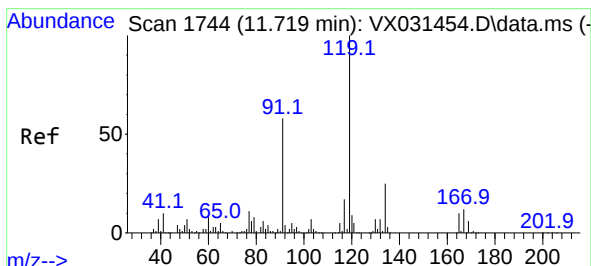
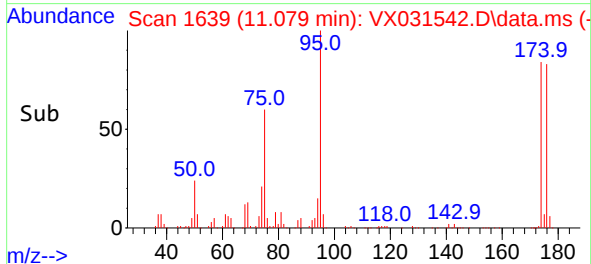
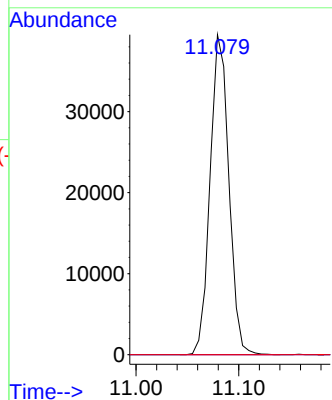
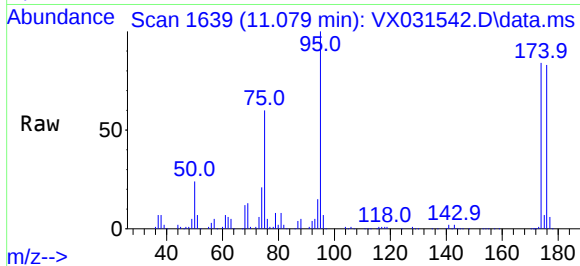




#81
trans-1,4-Dichloro-2-butene
Concen: 126.067 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

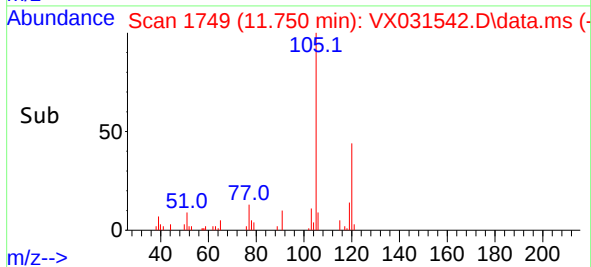
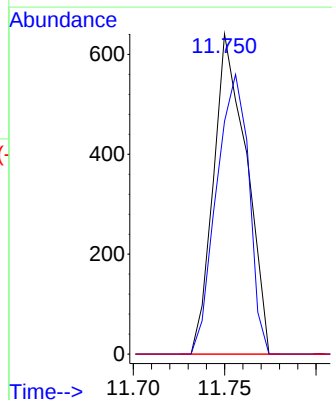
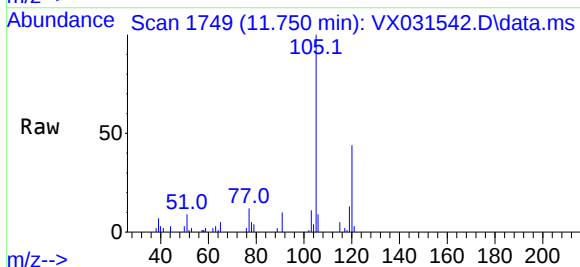
Instrument :
MSVOA_X
ClientSampleId :

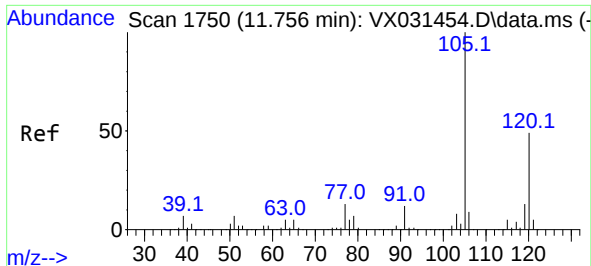
Tgt Ion: 75 Resp: 50008
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#83
tert-Butylbenzene
Concen: 0.229 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.031 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

Tgt Ion: 119 Resp: 804
Ion Ratio Lower Upper
119 100
91 85.8 29.2 87.6
134 0.0 11.6 34.8#

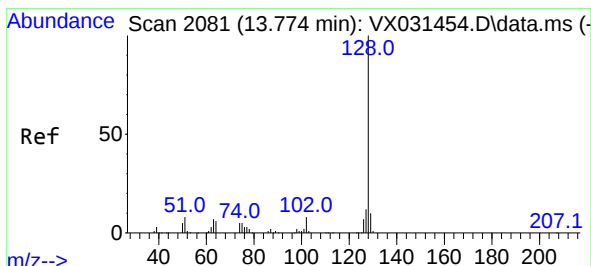
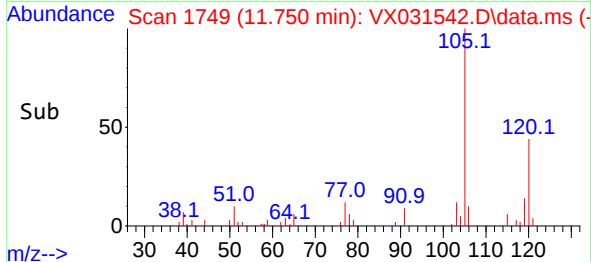
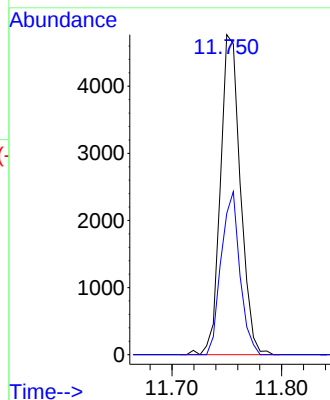
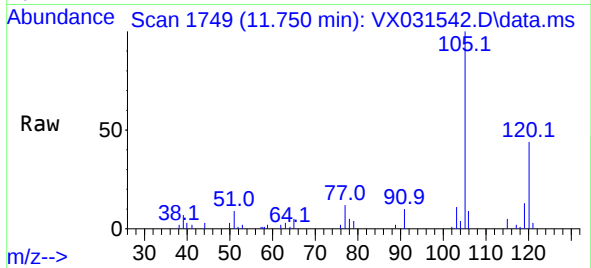




#84
1,2,4-Trimethylbenzene
Concen: 1.691 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 6040
Ion Ratio Lower Upper
105 100
120 47.6 22.6 67.8



#95
Naphthalene
Concen: 2.529 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX031542.D
Acq: 22 Sep 2022 01:35

Tgt Ion:128 Resp: 10374
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.2 8.8 13.2

