

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092222\
 Data File : VX031568.D
 Acq On : 22 Sep 2022 14:24
 Operator : JC/MD
 Sample : N4566-04DL 500X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-GRDL

Quant Time: Sep 23 01:48:59 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)

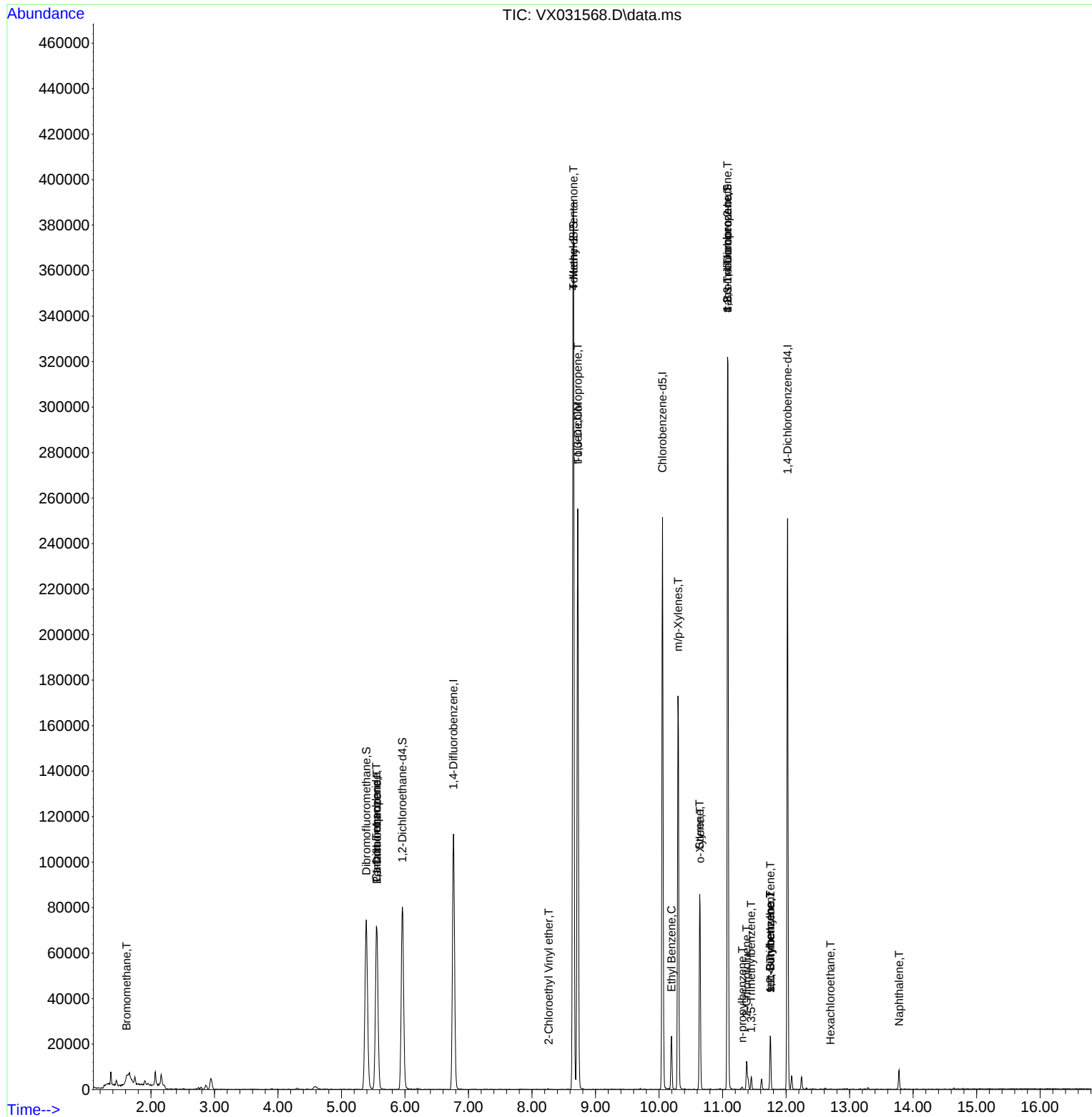
Internal Standards						
1) Pentafluorobenzene	5.556	168	70759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	116231	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	105254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	49462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71171	54.847	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.700%	
35) Dibromofluoromethane	5.391	113	61135	50.901	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.800%	
50) Toluene-d8	8.653	98	230683	49.815	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.640%	
62) 4-Bromofluorobenzene	11.079	95	73268	46.710	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.420%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	543	0.248	ug/l #	74
6) Chloroethane	1.697	64	242	Below Cal	#	84
11) Tert butyl alcohol	2.940	59	2569	Below Cal	#	73
13) Acrolein	2.215	56	112	Below Cal	#	15
16) Acetone	2.392	43	382	Below Cal	#	45
20) Methylene Chloride	2.788	84	365	Below Cal	#	78
36) 1,1-Dichloropropene	5.556	75	5427	2.937	ug/l #	49
38) Carbon Tetrachloride	5.550	117	6710	3.277	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	1156	0.531	ug/l #	1
52) Toluene	8.720	92	92073	25.613	ug/l	99
53) t-1,3-Dichloropropene	8.720	75	1273	0.614	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.263	63	158	0.353	ug/l #	46
67) Ethyl Benzene	10.195	91	13246	2.311	ug/l	91
68) m/p-Xylenes	10.299	106	39836	17.297	ug/l	96
69) o-Xylene	10.646	106	19120	8.698	ug/l	92
70) Styrene	10.640	104	1063	0.294	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.079	83	152	Below Cal	#	18
76) 1,2,3-Trichloropropane	11.079	75	41464	37.560	ug/l #	36
78) n-propylbenzene	11.311	91	888	0.209	ug/l	95
79) 2-Chlorotoluene	11.378	91	1051	0.416	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	2369	0.756	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	41464	120.938	ug/l #	11
83) tert-Butylbenzene	11.750	119	1372	0.452	ug/l #	68
84) 1,2,4-Trimethylbenzene	11.756	105	10153	3.289	ug/l	97
85) sec-Butylbenzene	11.756	105	10153	2.641	ug/l #	56
90) Hexachloroethane	12.701	117	204	0.366	ug/l #	15
95) Naphthalene	13.780	128	5490	1.548	ug/l	97

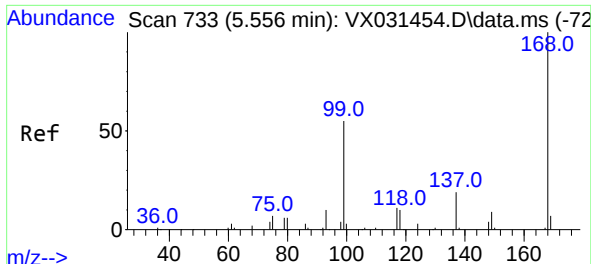
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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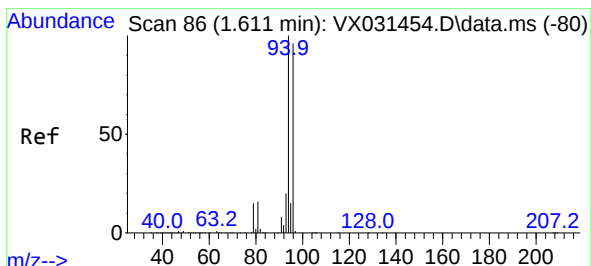
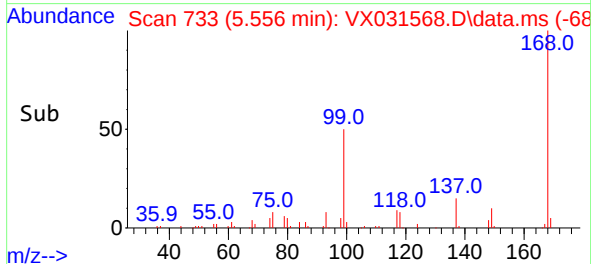
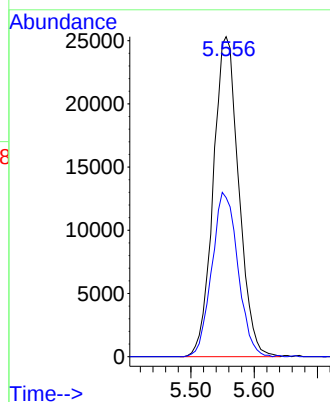
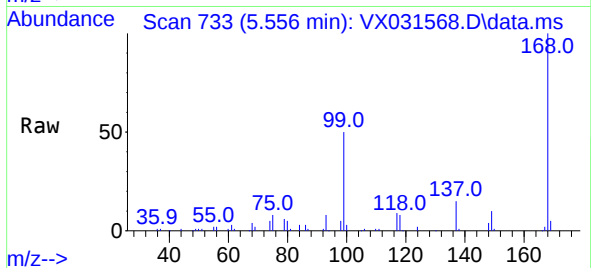




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

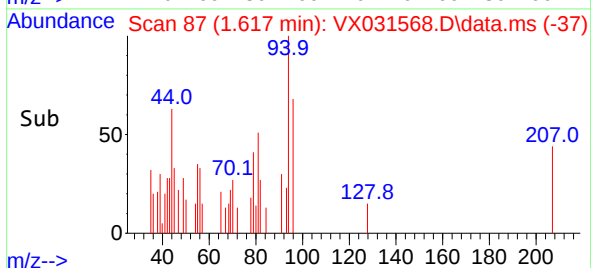
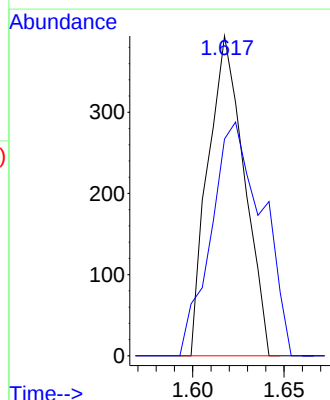
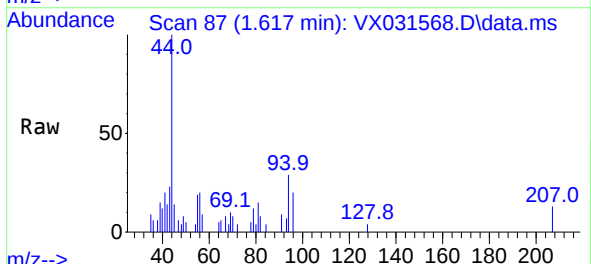
Instrument :
MSVOA_X
ClientSampleId :
MW-GRDL

Tgt Ion:168 Resp: 70759
Ion Ratio Lower Upper
168 100
99 49.7 48.8 73.2

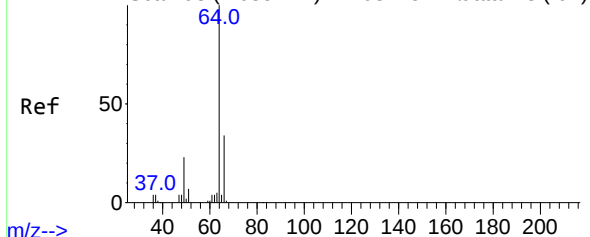


#5
Bromomethane
Concen: 0.248 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

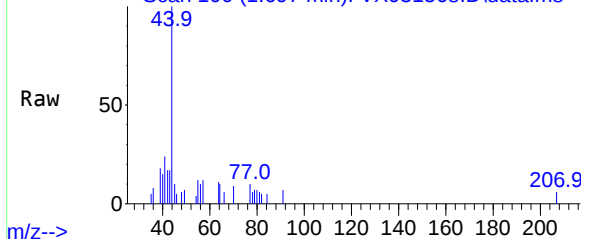
Tgt Ion: 94 Resp: 543
Ion Ratio Lower Upper
94 100
96 67.8 74.4 111.6#



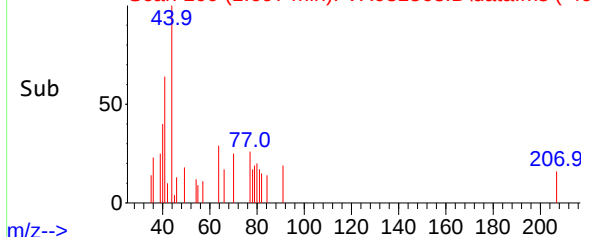
Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



Abundance Scan 100 (1.697 min): VX031568.D\data.ms



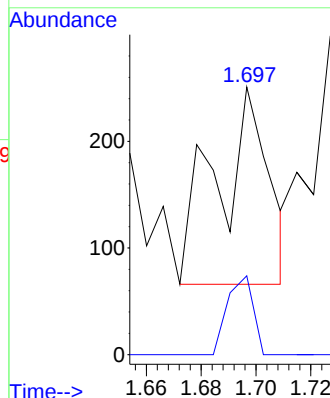
Abundance Scan 100 (1.697 min): VX031568.D\data.ms (-49)



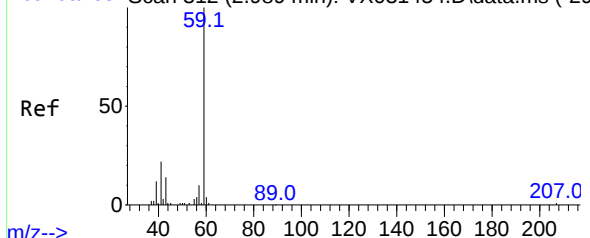
#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

Instrument :
MSVOA_X
ClientSampleId :
MW-GRDL

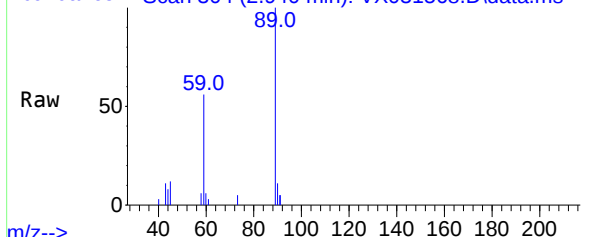
Tgt Ion: 64 Resp: 242
Ion Ratio Lower Upper
64 100
66 40.0 25.0 37.4#



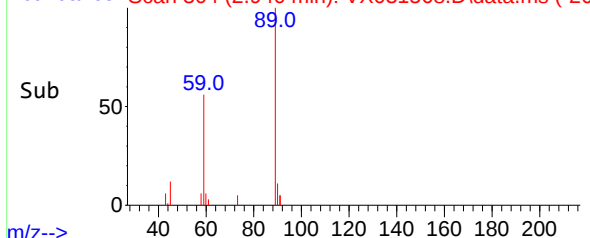
Abundance Scan 312 (2.989 min): VX031454.D\data.ms (-29)



Abundance Scan 304 (2.940 min): VX031568.D\data.ms

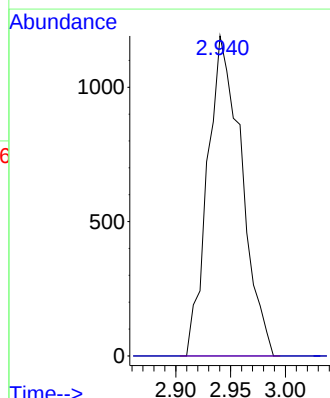


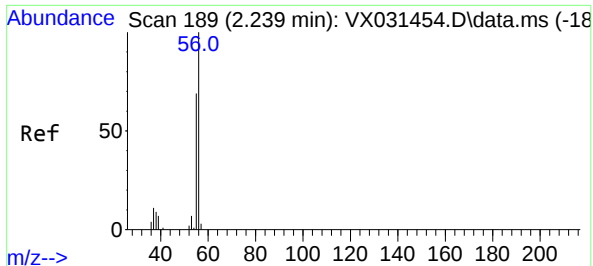
Abundance Scan 304 (2.940 min): VX031568.D\data.ms (-26)



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

Tgt Ion: 59 Resp: 2569
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.215 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031568.D

Acq: 22 Sep 2022 14:24

Instrument :

MSVOA_X

ClientSampleId :

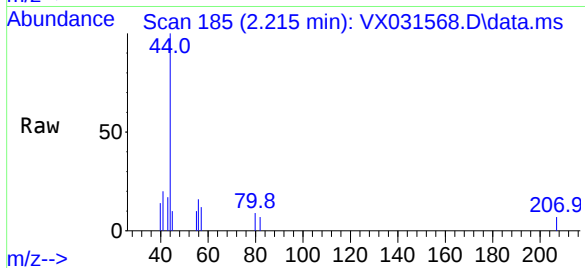
MW-GRDL

Tgt Ion: 56 Resp: 112

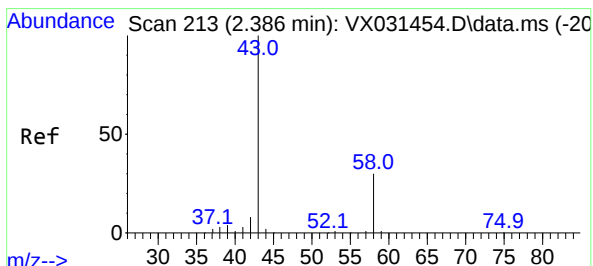
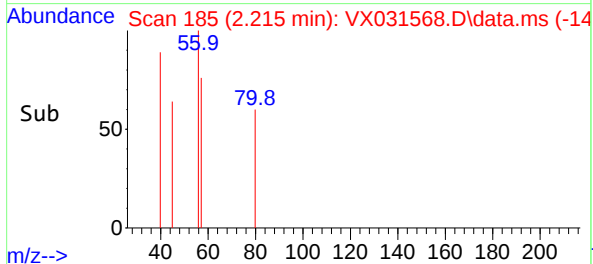
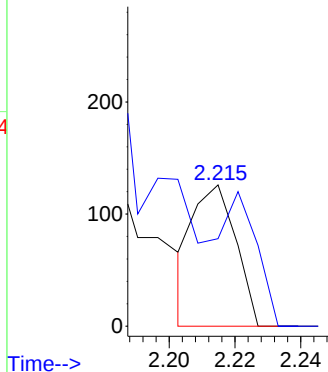
Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



Abundance



#16

Acetone

Concen: Below Cal

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX031568.D

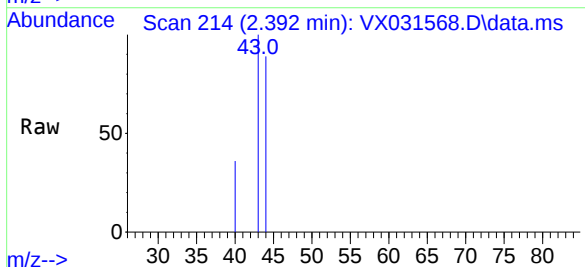
Acq: 22 Sep 2022 14:24

Tgt Ion: 43 Resp: 382

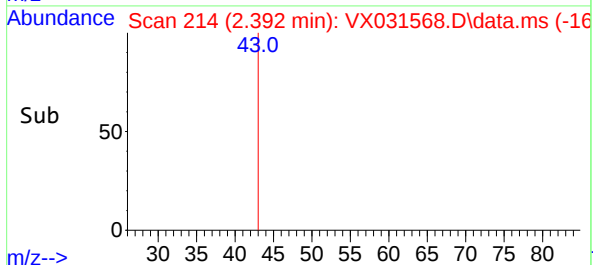
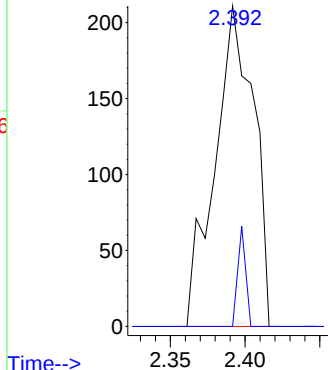
Ion Ratio Lower Upper

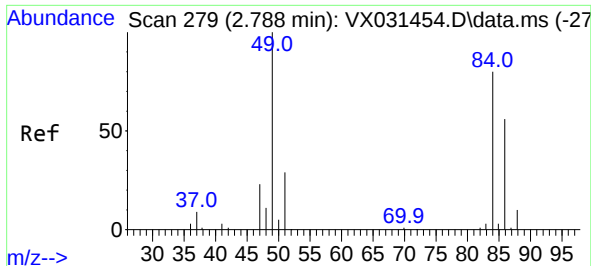
43 100

58 0.0 23.8 35.8#



Abundance





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX031568.D

Acq: 22 Sep 2022 14:24

Instrument :

MSVOA_X

ClientSampleId :

MW-GRDL

Tgt Ion: 84 Resp: 365

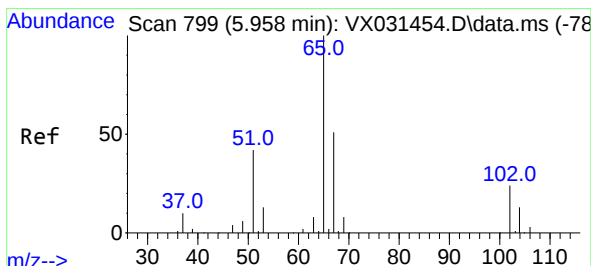
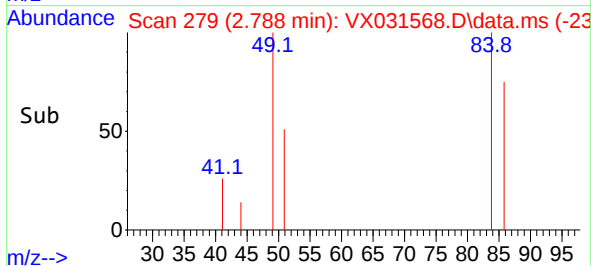
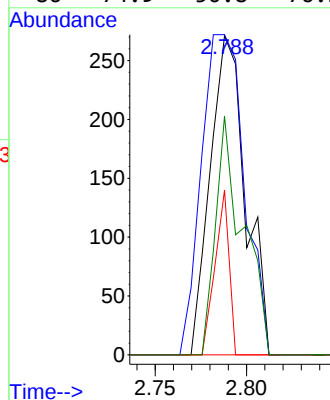
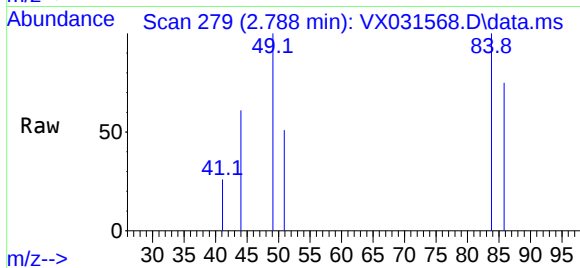
Ion Ratio Lower Upper

84 100

49 100.4 105.9 158.9#

51 51.7 32.2 48.2#

86 74.9 50.8 76.2



#33

1,2-Dichloroethane-d4

Concen: 54.847 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031568.D

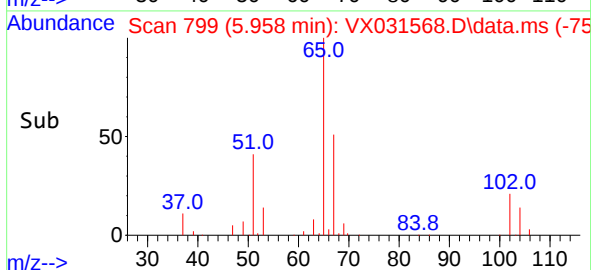
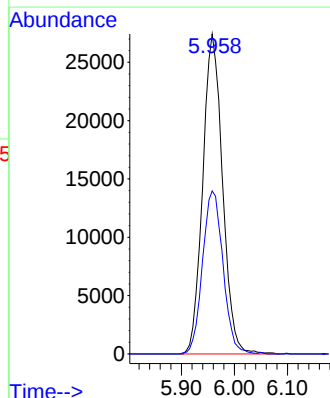
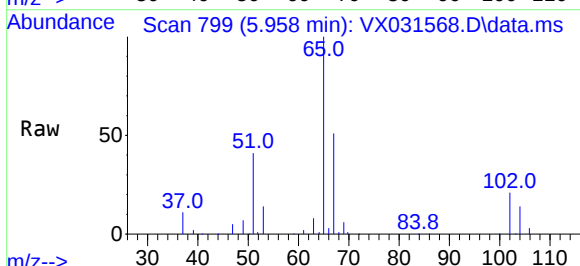
Acq: 22 Sep 2022 14:24

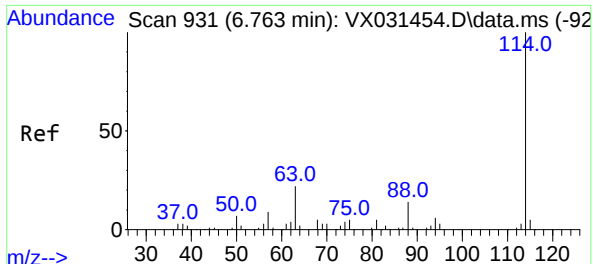
Tgt Ion: 65 Resp: 71171

Ion Ratio Lower Upper

65 100

67 52.7 0.0 102.4

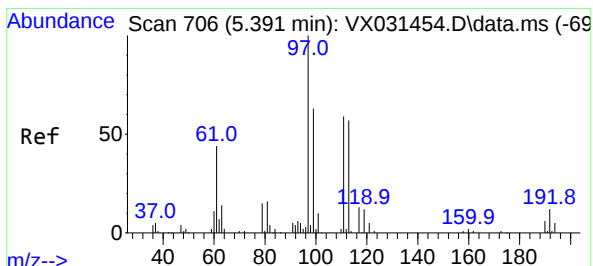
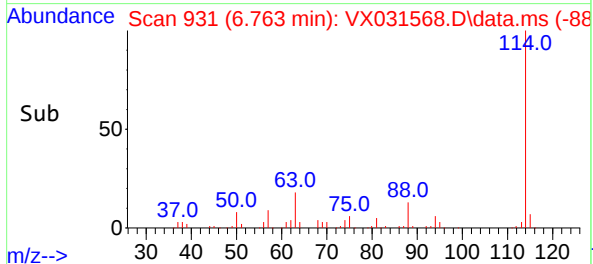
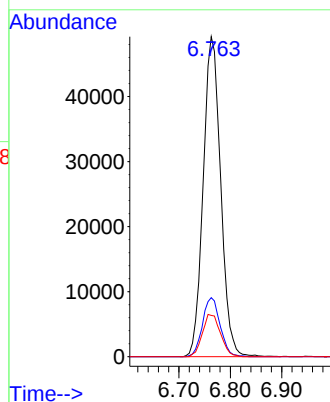
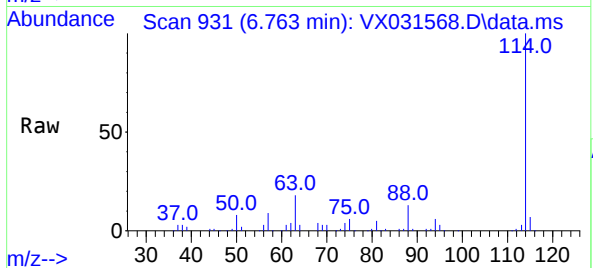




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

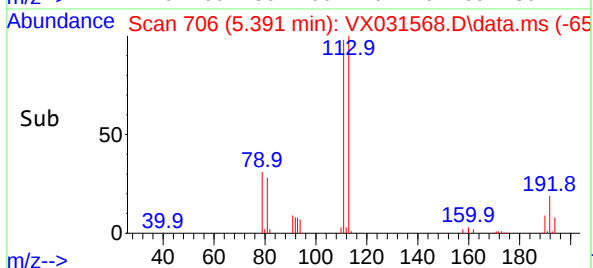
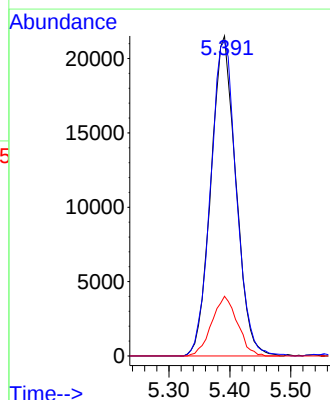
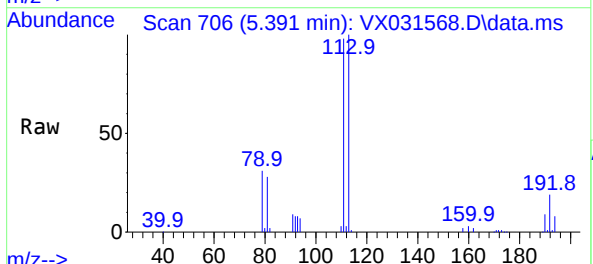
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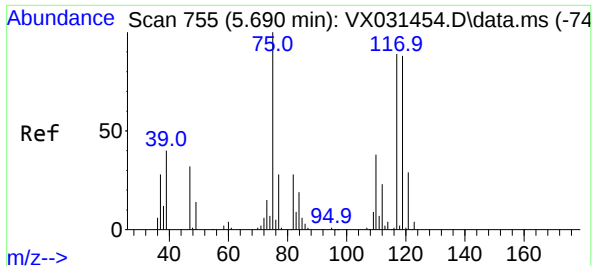
Tgt Ion:114 Resp: 116231
Ion Ratio Lower Upper
114 100
63 18.4 0.0 42.6
88 12.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.901 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

Tgt Ion:113 Resp: 61135
Ion Ratio Lower Upper
113 100
111 101.6 82.4 123.6
192 19.2 14.1 21.1

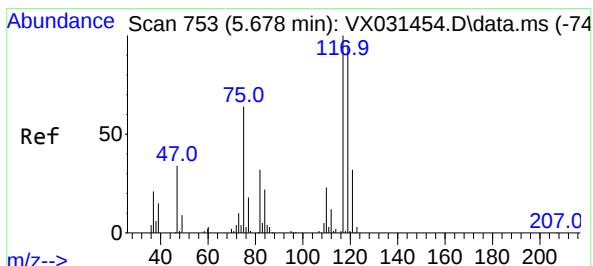
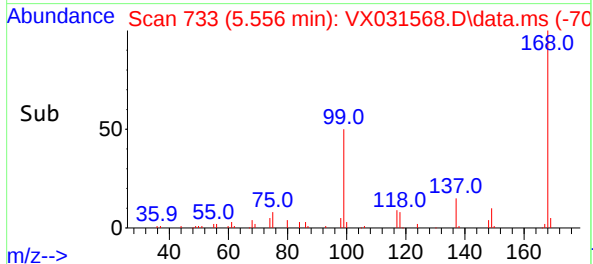
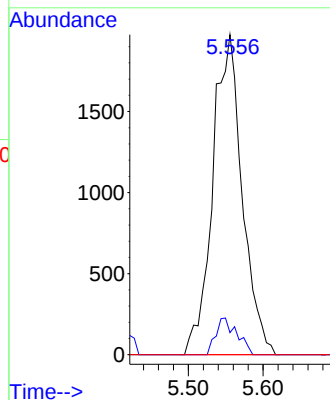
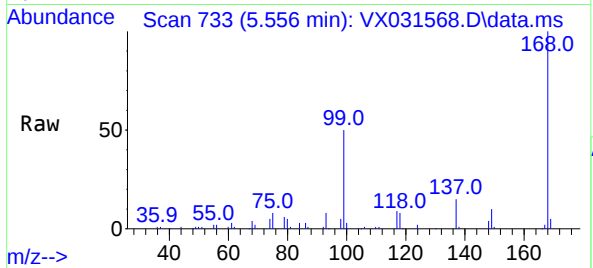




#36
1,1-Dichloropropene
Concen: 2.937 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

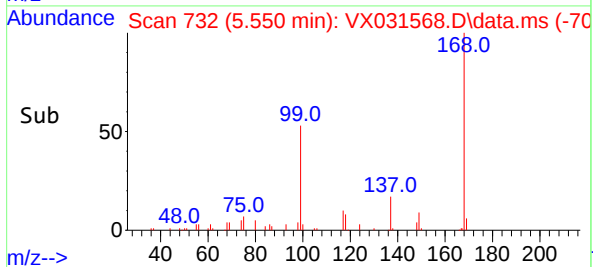
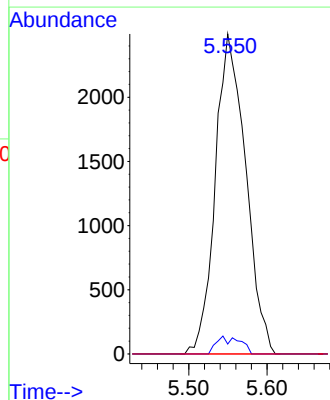
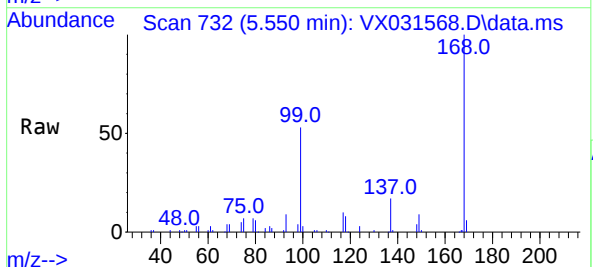
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MW-GRDL

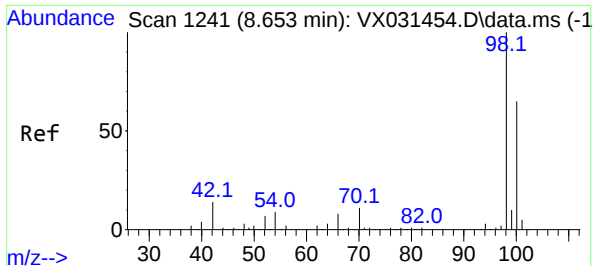
Tgt Ion: 75 Resp: 5427
Ion Ratio Lower Upper
75 100
110 8.2 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.277 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

Tgt Ion: 117 Resp: 6710
Ion Ratio Lower Upper
117 100
119 3.1 74.6 112.0#
121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 49.815 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031568.D

Acq: 22 Sep 2022 14:24

Instrument :

MSVOA_X

ClientSampleId :

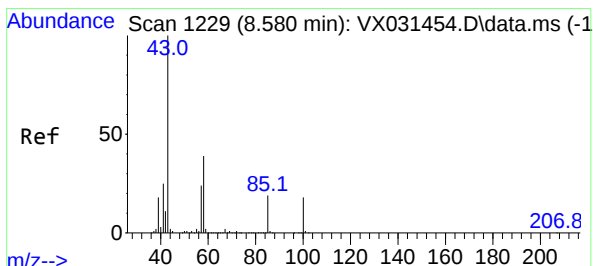
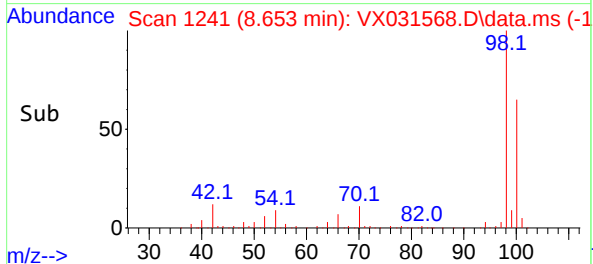
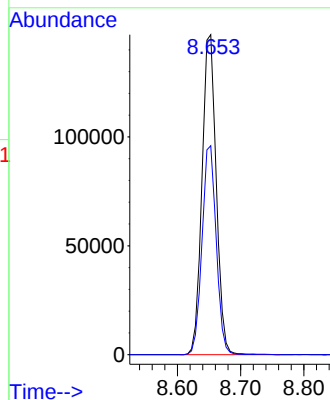
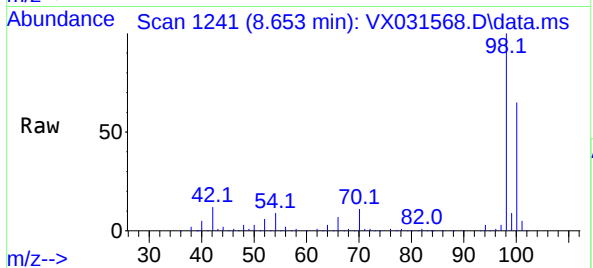
MW-GRDL

Tgt Ion: 98 Resp: 230683

Ion Ratio Lower Upper

98 100

100 65.0 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.531 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX031568.D

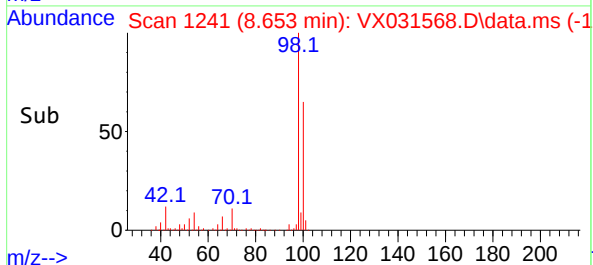
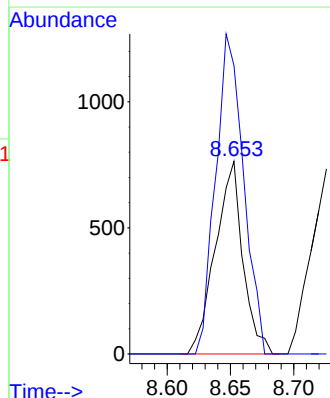
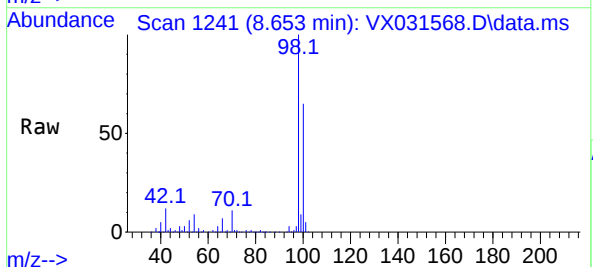
Acq: 22 Sep 2022 14:24

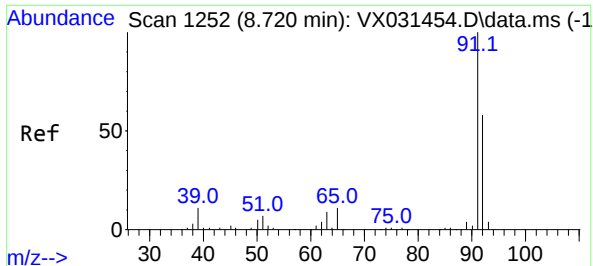
Tgt Ion: 43 Resp: 1156

Ion Ratio Lower Upper

43 100

58 168.4 30.6 46.0#





#52

Toluene

Concen: 25.613 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX031568.D

Acq: 22 Sep 2022 14:24

Instrument :

MSVOA_X

ClientSampleId :

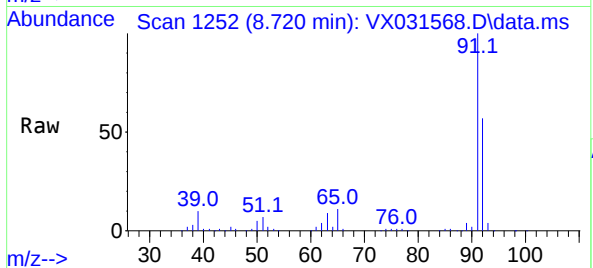
MW-GRDL

Tgt Ion: 92 Resp: 92073

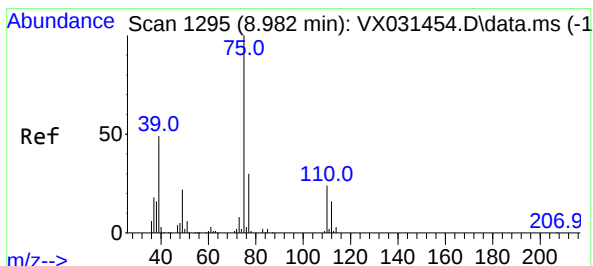
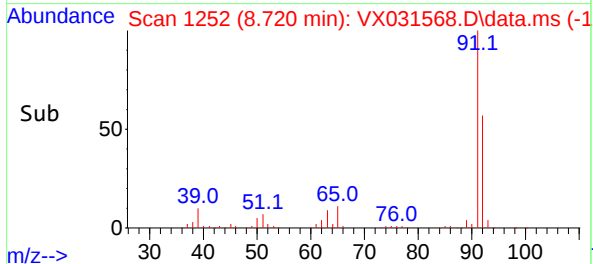
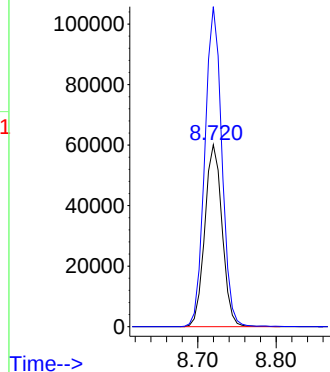
Ion Ratio Lower Upper

92 100

91 173.1 137.1 205.7



Abundance



#53

t-1,3-Dichloropropene

Concen: 0.614 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.262 min

Lab File: VX031568.D

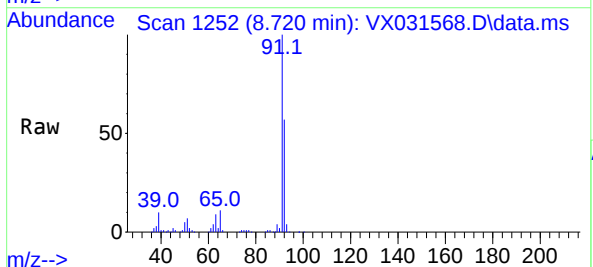
Acq: 22 Sep 2022 14:24

Tgt Ion: 75 Resp: 1273

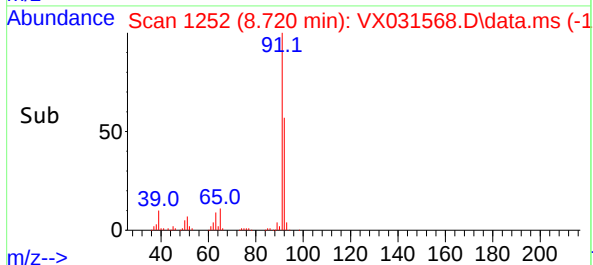
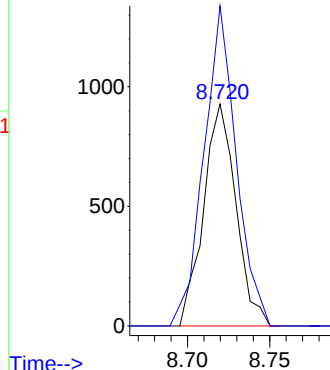
Ion Ratio Lower Upper

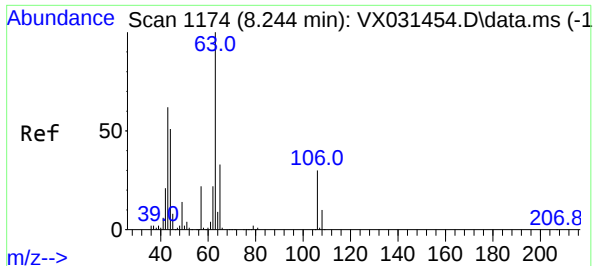
75 100

77 144.2 24.8 37.2#



Abundance

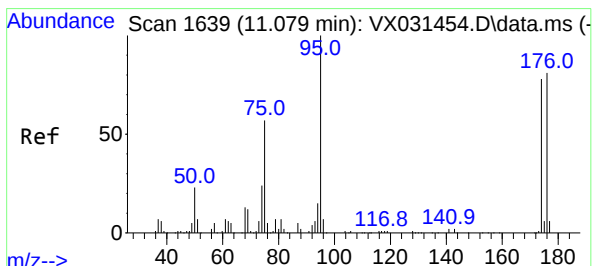
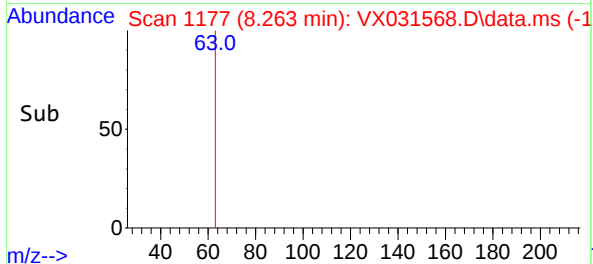
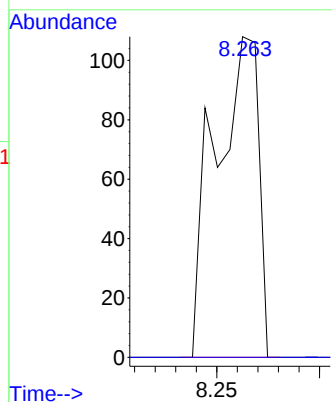
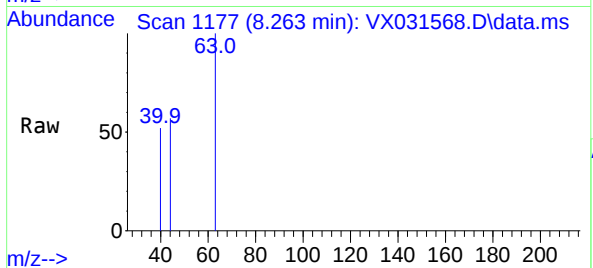




#58
2-Chloroethyl Vinyl ether
Concen: 0.353 ug/l
RT: 8.263 min Scan# 1177
Delta R.T. 0.019 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

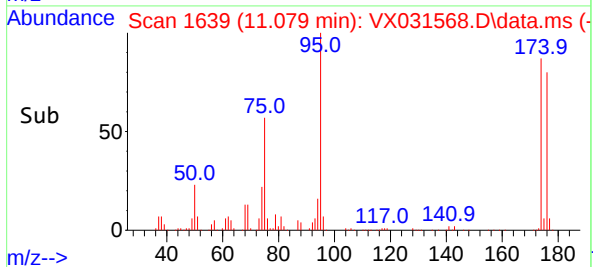
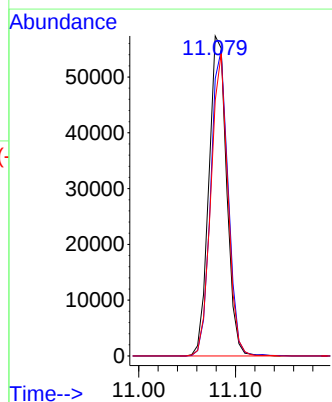
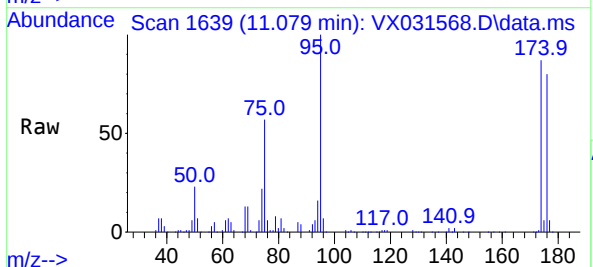
Instrument :
MSVOA_X
ClientSampleId :
MW-GRDL

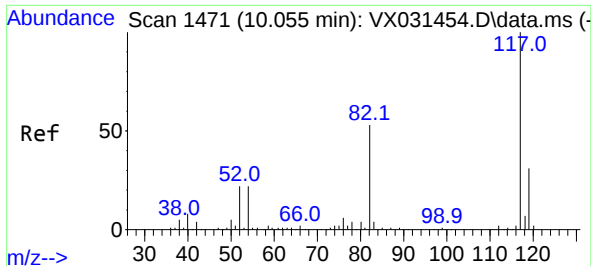
Tgt Ion: 63 Resp: 158
Ion Ratio Lower Upper
63 100
106 0.0 22.6 34.0#



#62
4-Bromofluorobenzene
Concen: 46.710 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

Tgt Ion: 95 Resp: 73268
Ion Ratio Lower Upper
95 100
174 93.6 0.0 153.2
176 89.6 0.0 144.0

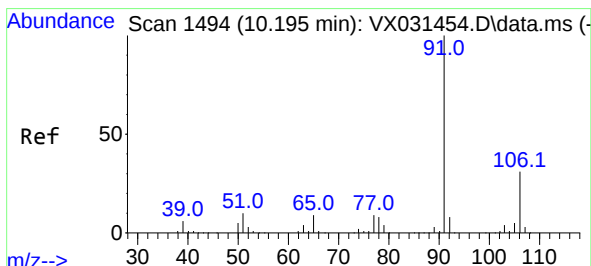
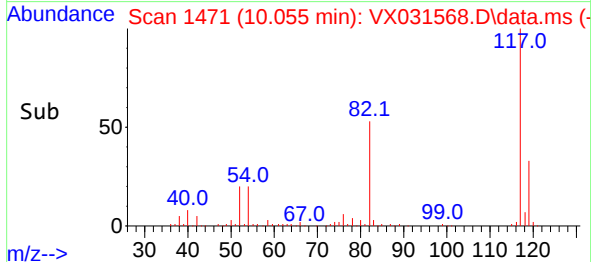
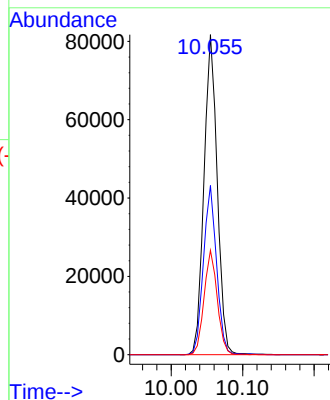
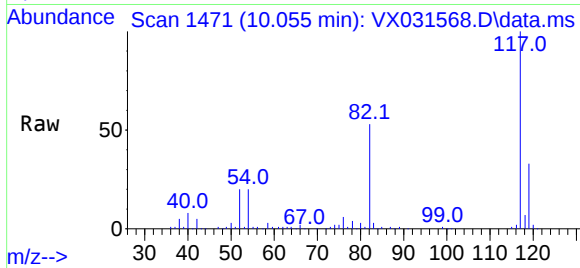




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

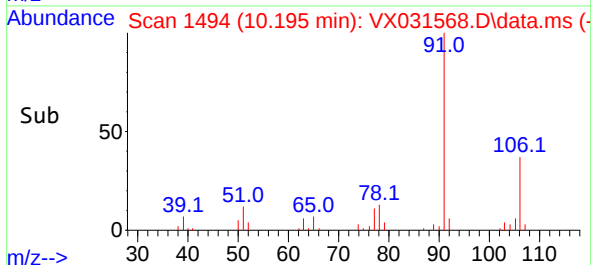
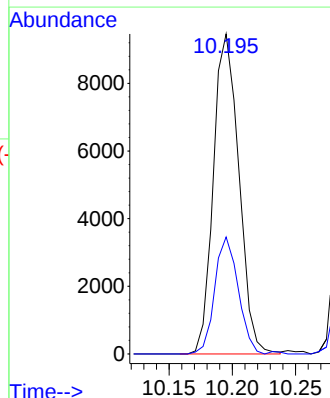
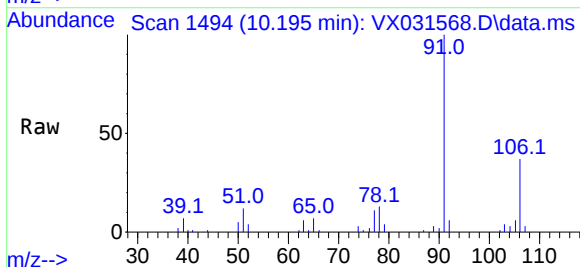
Instrument :
MSVOA_X
ClientSampleId :
MW-GRDL

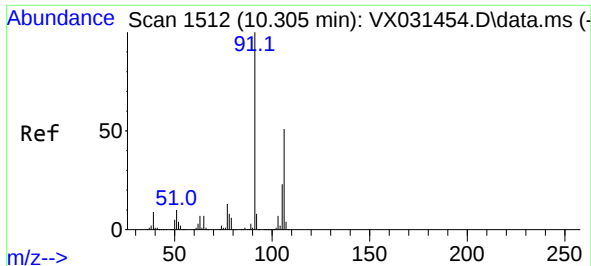
Tgt Ion:117 Resp: 105254
Ion Ratio Lower Upper
117 100
82 52.9 46.8 70.2
119 32.6 26.4 39.6



#67
Ethyl Benzene
Concen: 2.311 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

Tgt Ion: 91 Resp: 13246
Ion Ratio Lower Upper
91 100
106 36.5 25.2 37.8

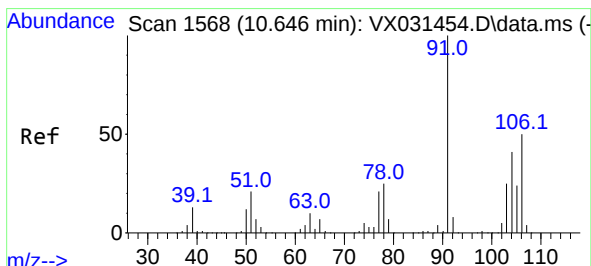
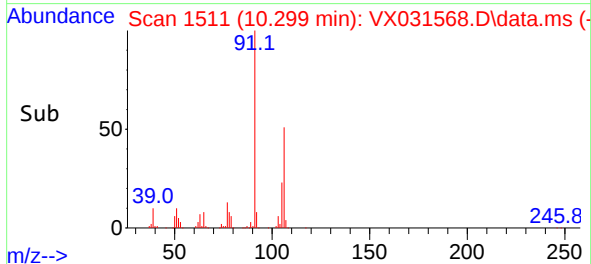
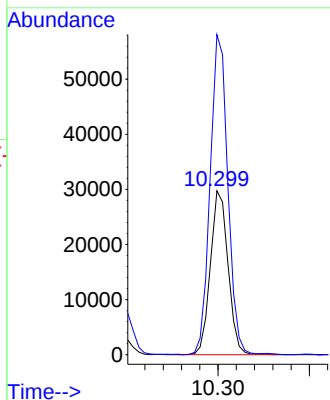
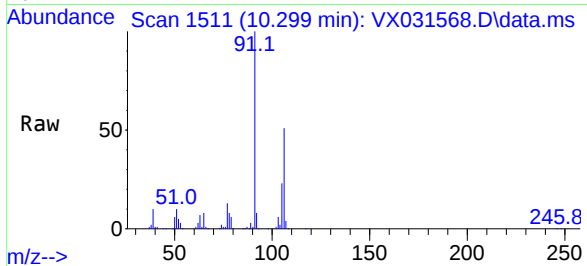




#68
m/p-Xylenes
Concen: 17.297 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

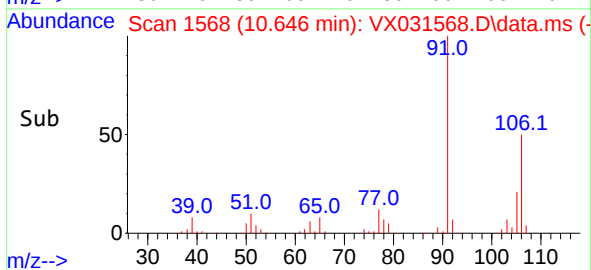
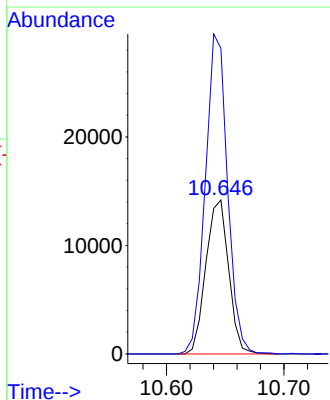
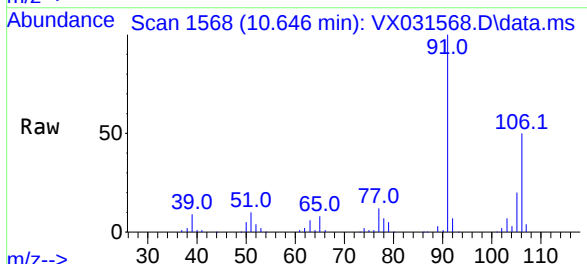
Instrument :
MSVOA_X
ClientSampleId :
MW-GRDL

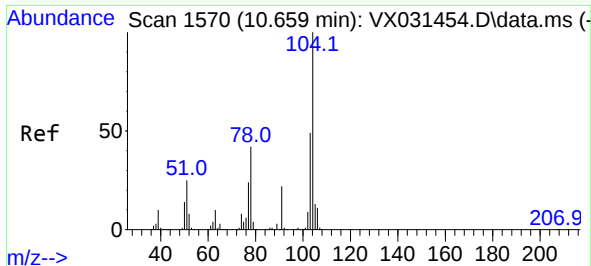
Tgt Ion:106 Resp: 39836
Ion Ratio Lower Upper
106 100
91 195.6 161.0 241.4



#69
o-Xylene
Concen: 8.698 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

Tgt Ion:106 Resp: 19120
Ion Ratio Lower Upper
106 100
91 202.0 107.2 321.6

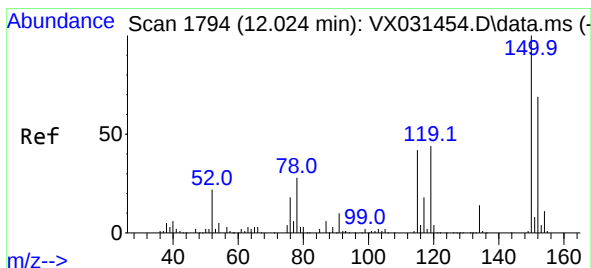
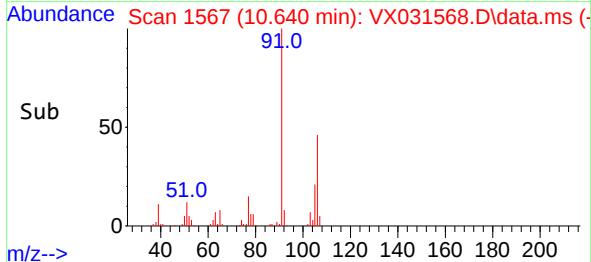
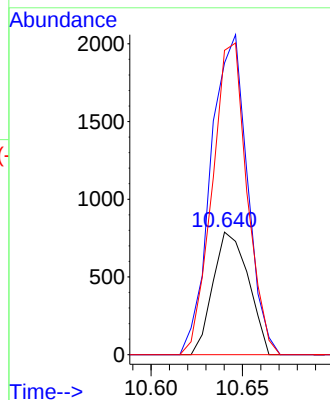
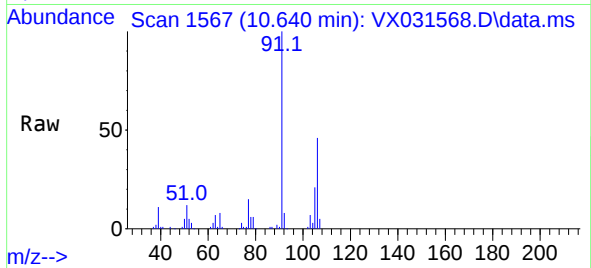




#70
Styrene
Concen: 0.294 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.019 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

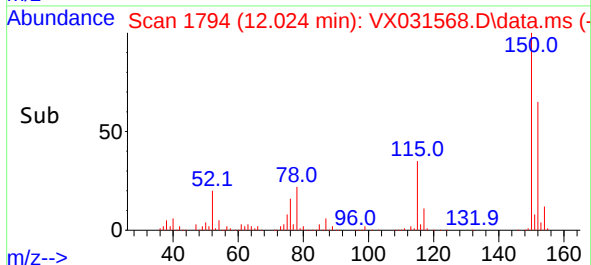
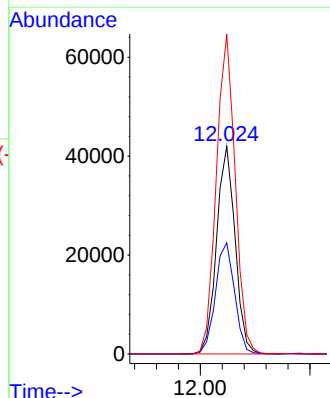
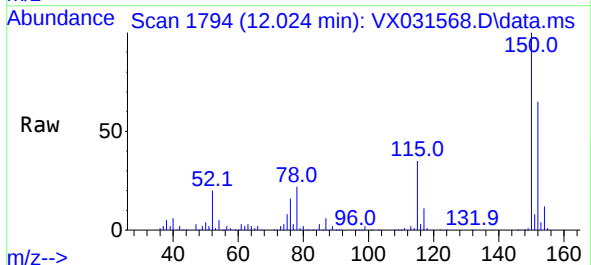
Instrument :
MSVOA_X
ClientSampleId :
MW-GRDL

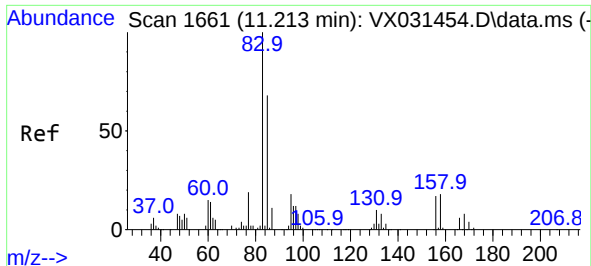
Tgt Ion:104 Resp: 1063
Ion Ratio Lower Upper
104 100
78 268.5 41.4 62.2#
103 250.1 43.8 65.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

Tgt Ion:152 Resp: 49462
Ion Ratio Lower Upper
152 100
115 55.3 43.4 130.1
150 156.8 0.0 346.8

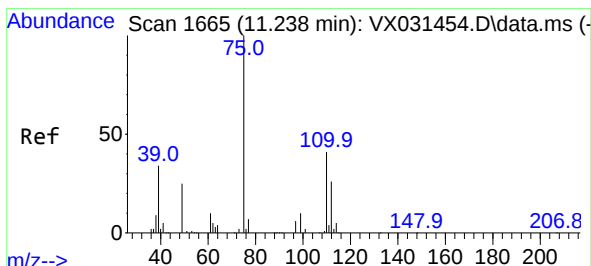
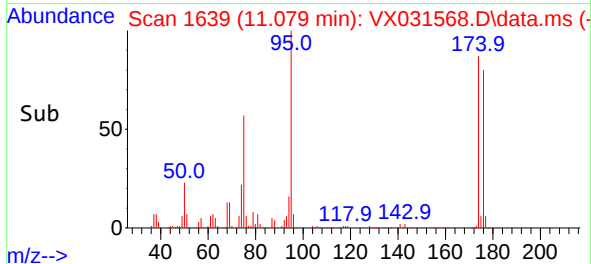
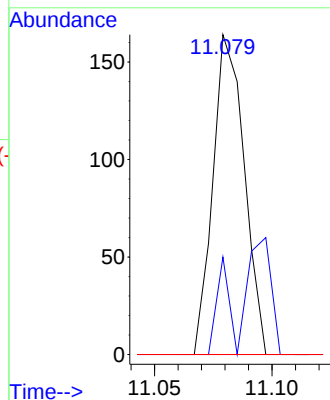
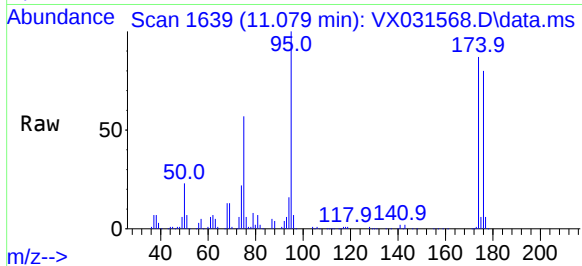




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

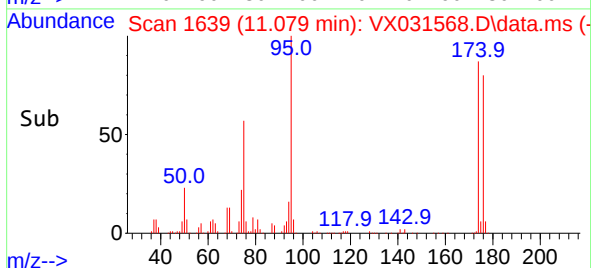
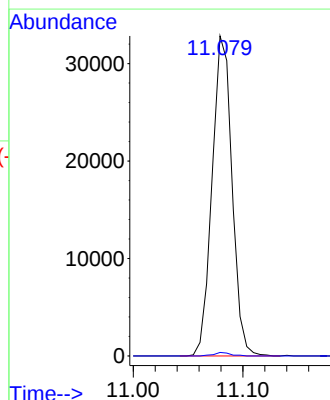
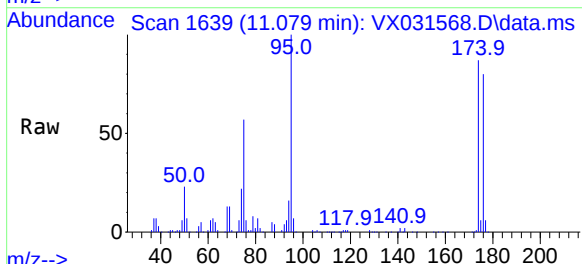
Instrument :
MSVOA_X
ClientSampleId :
MW-GRDL

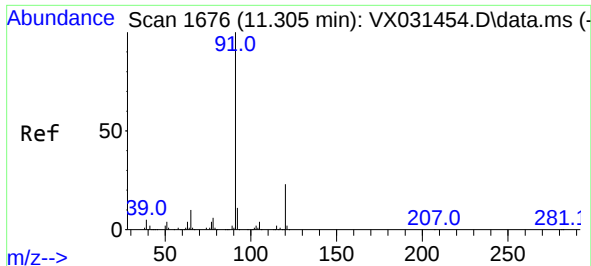
Tgt Ion: 83 Resp: 152
Ion Ratio Lower Upper
83 100
131 39.5 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 37.560 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

Tgt Ion: 75 Resp: 41464
Ion Ratio Lower Upper
75 100
77 0.9 20.3 60.9#

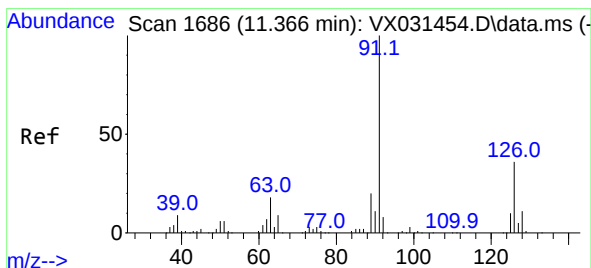
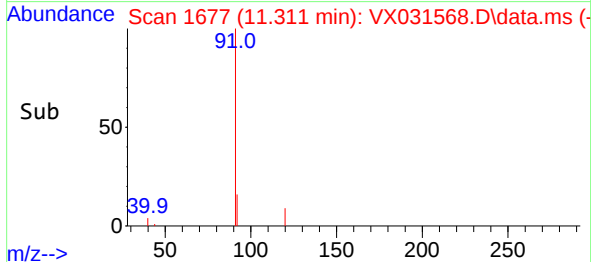
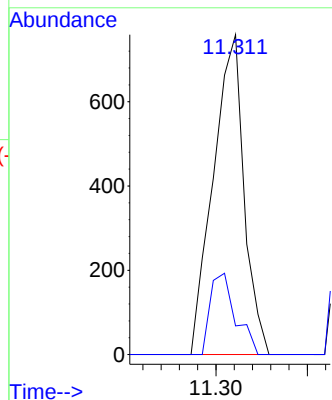
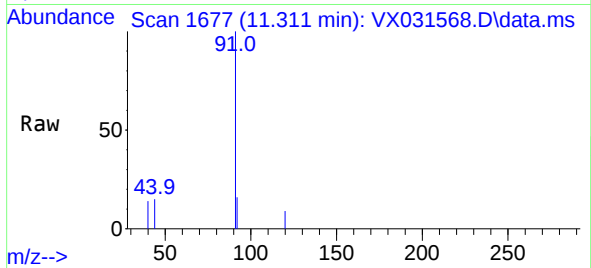




#78
n-propylbenzene
Concen: 0.209 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

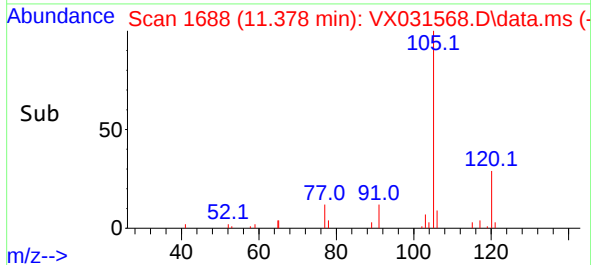
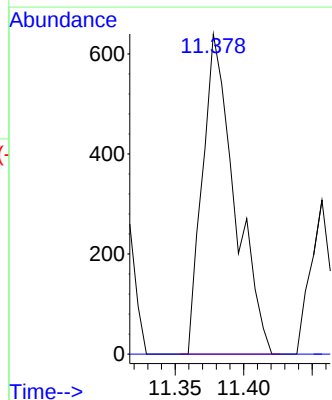
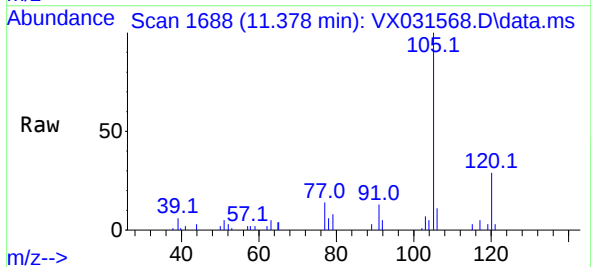
Instrument :
MSVOA_X
ClientSampleId :
MW-GRDL

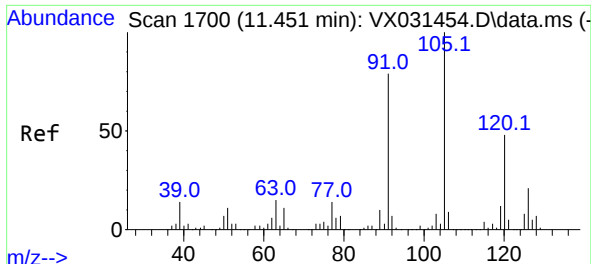
Tgt Ion: 91 Resp: 888
Ion Ratio Lower Upper
91 100
120 20.9 11.8 35.4



#79
2-Chlorotoluene
Concen: 0.416 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.012 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

Tgt Ion: 91 Resp: 1051
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

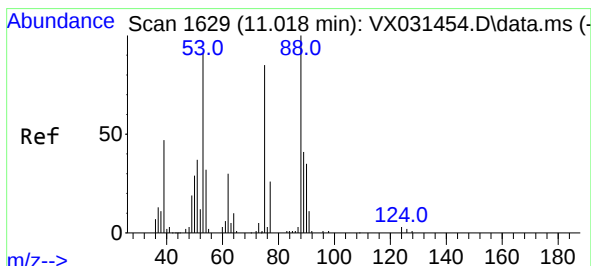
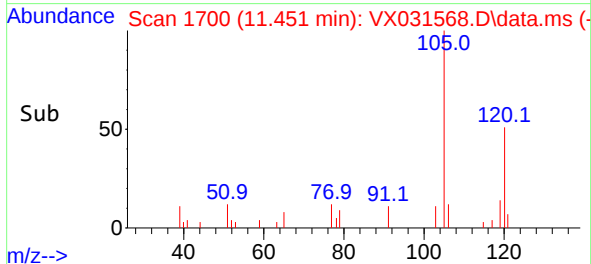
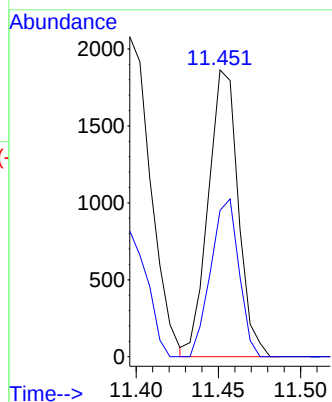
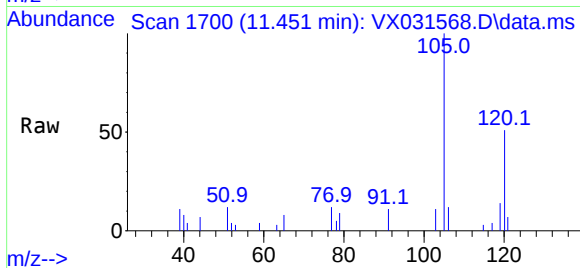




#80
1,3,5-Trimethylbenzene
Concen: 0.756 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

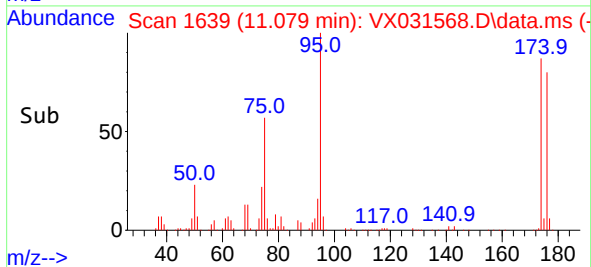
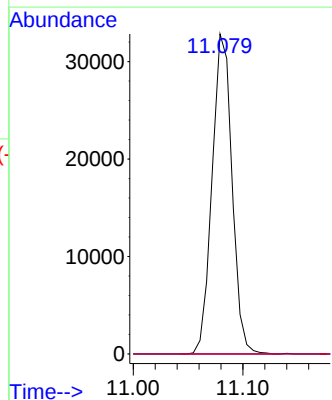
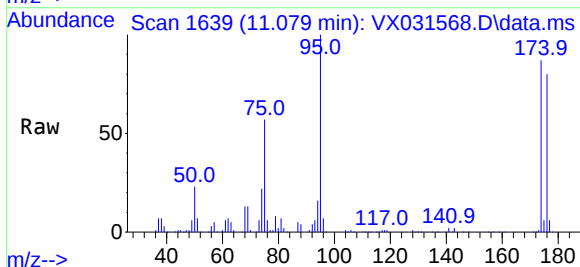
Instrument :
MSVOA_X
ClientSampleId :
MW-GRDL

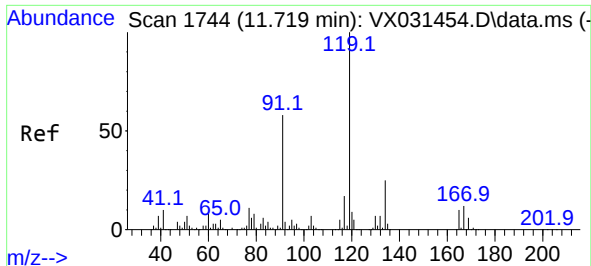
Tgt Ion:105 Resp: 2369
Ion Ratio Lower Upper
105 100
120 51.5 24.5 73.5



#81
trans-1,4-Dichloro-2-butene
Concen: 120.938 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

Tgt Ion: 75 Resp: 41464
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

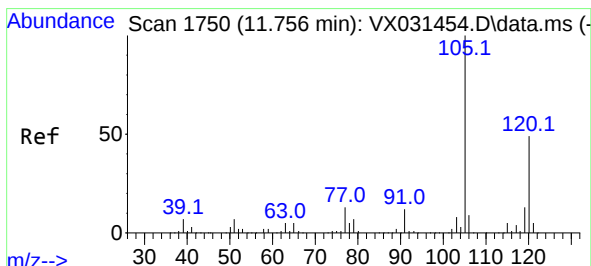
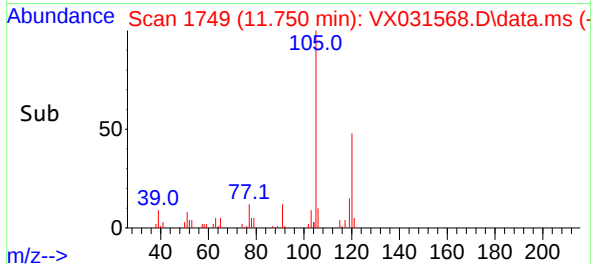
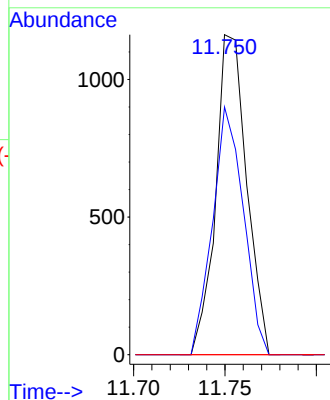
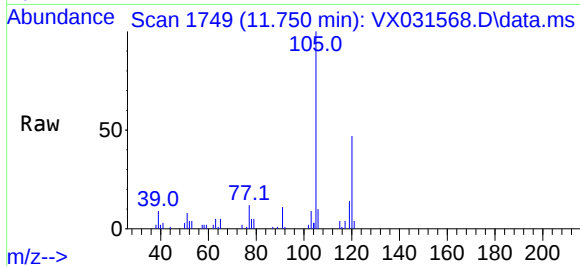




#83
tert-Butylbenzene
Concen: 0.452 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.031 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

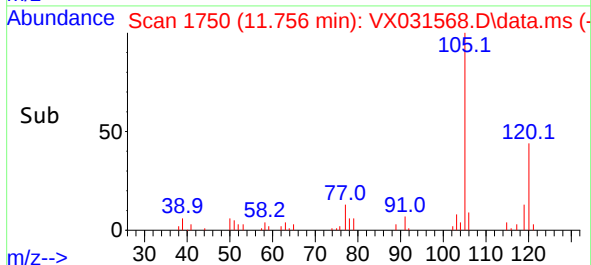
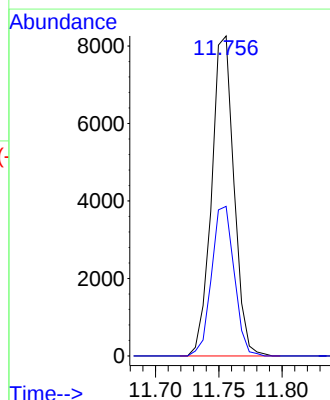
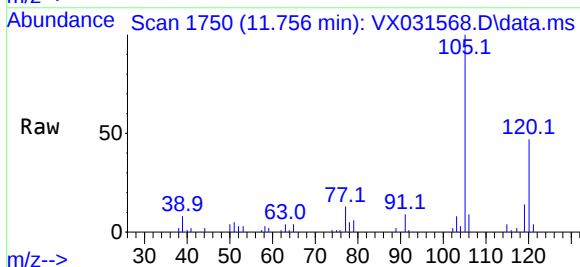
Instrument :
MSVOA_X
ClientSampleId :
MW-GRDL

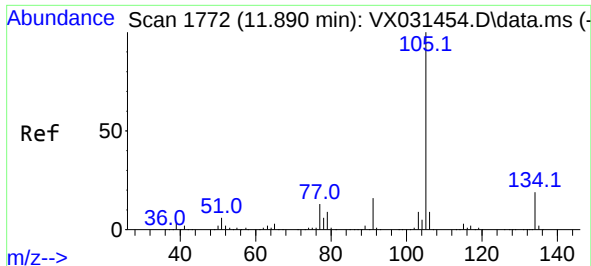
Tgt Ion:119 Resp: 1372
Ion Ratio Lower Upper
119 100
91 77.1 29.2 87.6
134 0.0 11.6 34.8#



#84
1,2,4-Trimethylbenzene
Concen: 3.289 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX031568.D
Acq: 22 Sep 2022 14:24

Tgt Ion:105 Resp: 10153
Ion Ratio Lower Upper
105 100
120 47.3 22.6 67.8

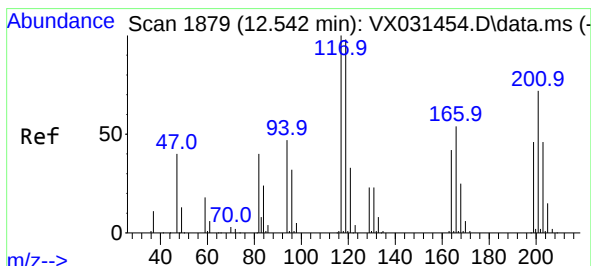
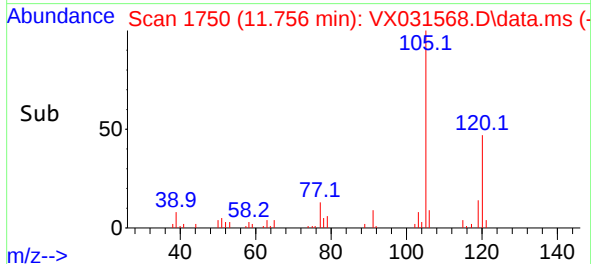
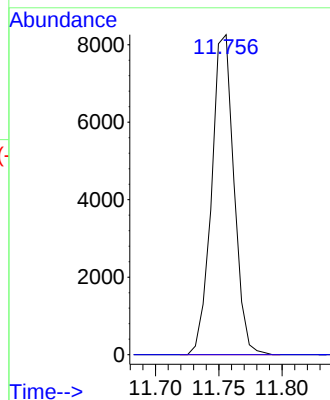
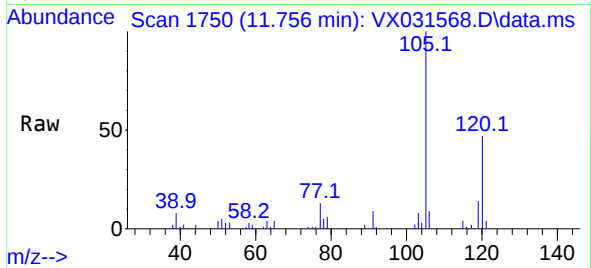




#85
 sec-Butylbenzene
 Concen: 2.641 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX031568.D
 Acq: 22 Sep 2022 14:24

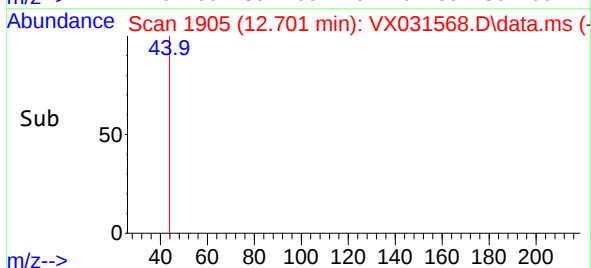
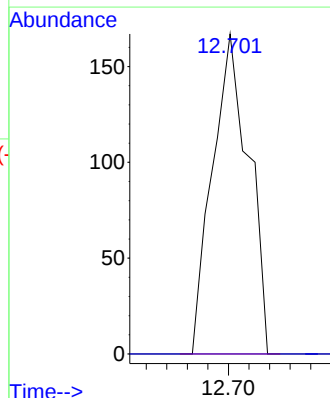
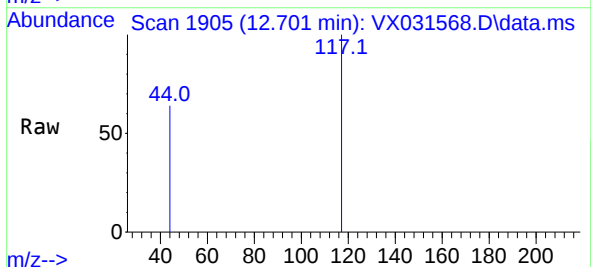
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-GRDL

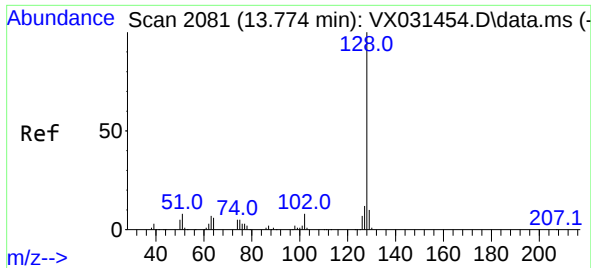
Tgt Ion:105 Resp: 10153
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#90
 Hexachloroethane
 Concen: 0.366 ug/l
 RT: 12.701 min Scan# 1905
 Delta R.T. 0.159 min
 Lab File: VX031568.D
 Acq: 22 Sep 2022 14:24

Tgt Ion:117 Resp: 204
 Ion Ratio Lower Upper
 117 100
 201 0.0 34.8 104.4#





#95

Naphthalene

Concen: 1.548 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX031568.D

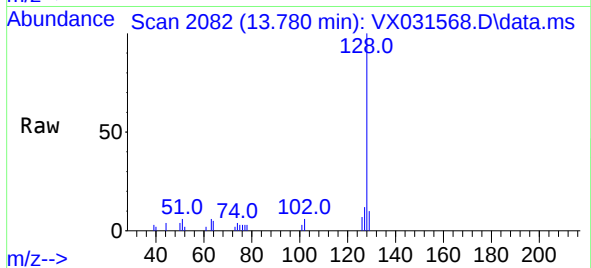
Acq: 22 Sep 2022 14:24

Instrument :

MSVOA_X

ClientSampleId :

MW-GRDL



Tgt Ion:128 Resp: 5490

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

129 9.3 8.8 13.2

