

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027625.D
 Acq On : 22 Mar 2022 19:26
 Operator : JC/MD
 Sample : N2028-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-114D

Quant Time: Mar 23 01:50:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

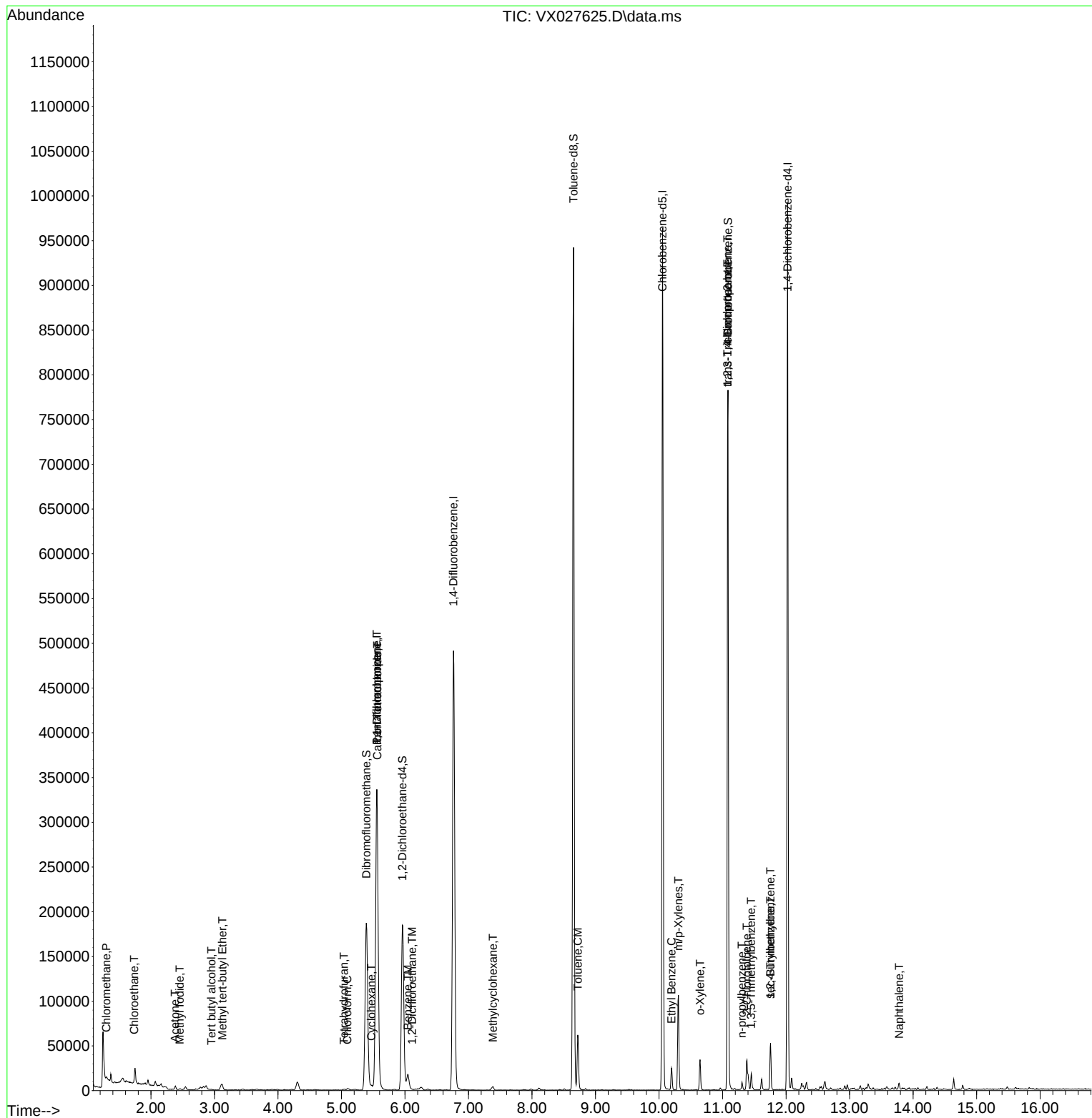
Internal Standards						
1) Pentafluorobenzene	5.556	168	347912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	553869	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	473050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	213143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	180598	42.137	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.280%		
35) Dibromofluoromethane	5.391	113	169111	47.457	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.920%		
50) Toluene-d8	8.653	98	600932	44.564	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.120%		
62) 4-Bromofluorobenzene	11.085	95	216223	43.625	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.260%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	593	0.200 ug/l	#	85
5) Bromomethane	1.611	94	939	Below Cal		90
6) Chloroethane	1.733	64	440	0.209 ug/l	#	78
10) Methyl Iodide	2.453	142	1273	0.286 ug/l	#	97
11) Tert butyl alcohol	2.953	59	621	0.760 ug/l	#	72
16) Acetone	2.380	43	4107	2.351 ug/l		97
19) Methyl tert-butyl Ether	3.123	73	5629	0.516 ug/l	#	87
29) Tetrahydrofuran	5.038	42	538	0.319 ug/l	#	81
30) Chloroform	5.092	83	2059	0.311 ug/l		95
31) Cyclohexane	5.470	56	2951	0.554 ug/l	#	82
36) 1,1-Dichloropropene	5.556	75	22098	4.538 ug/l	#	50
38) Carbon Tetrachloride	5.562	117	32769	5.882 ug/l	#	15
39) Methylcyclohexane	7.385	83	1856	0.303 ug/l		93
40) Benzene	6.043	78	21457	1.536 ug/l		94
42) 1,2-Dichloroethane	6.111	62	1102	0.210 ug/l		77
52) Toluene	8.720	92	25724	2.748 ug/l		98
67) Ethyl Benzene	10.195	91	15580	0.935 ug/l		98
68) m/p-Xylenes	10.305	106	27713	4.226 ug/l		96
69) o-Xylene	10.646	106	8243	1.294 ug/l		100
76) 1,2,3-Trichloropropane	11.079	75	98969	22.199 ug/l	#	38
78) n-propylbenzene	11.305	91	5079	0.298 ug/l		100
79) 2-Chlorotoluene	11.384	91	3134	0.293 ug/l	#	40
80) 1,3,5-Trimethylbenzene	11.451	105	8135	0.623 ug/l		96
81) trans-1,4-Dichloro-2-b...	11.079	75	98969	67.420 ug/l	#	15
84) 1,2,4-Trimethylbenzene	11.756	105	24485	1.879 ug/l		99
85) sec-Butylbenzene	11.756	105	24485	1.565 ug/l	#	56
95) Naphthalene	13.780	128	5103	0.345 ug/l		97

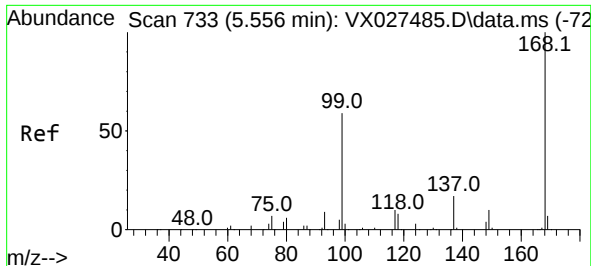
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration

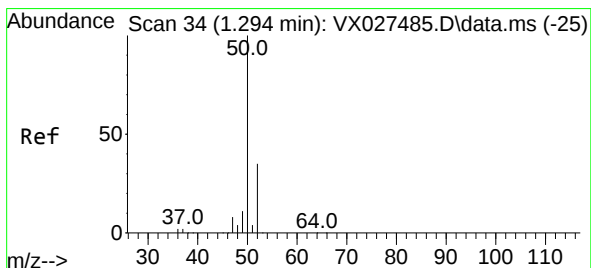
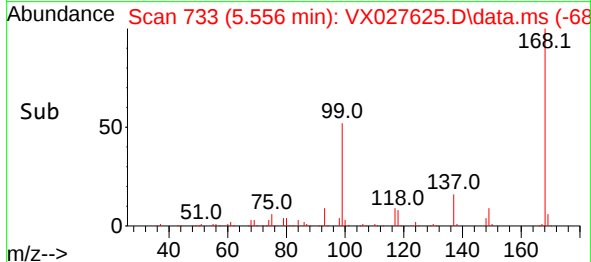
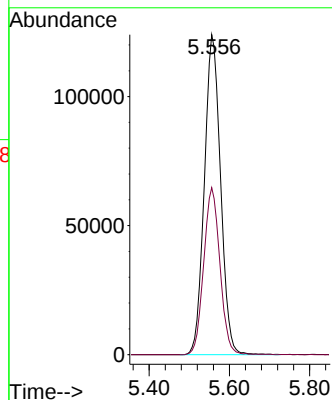
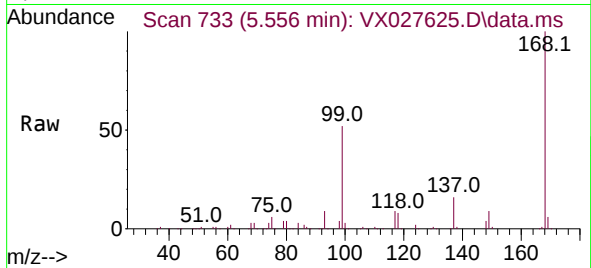




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

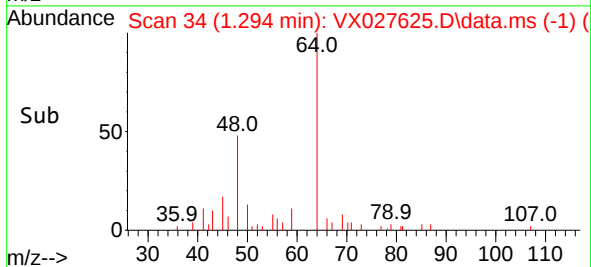
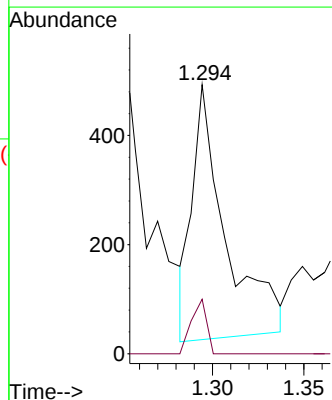
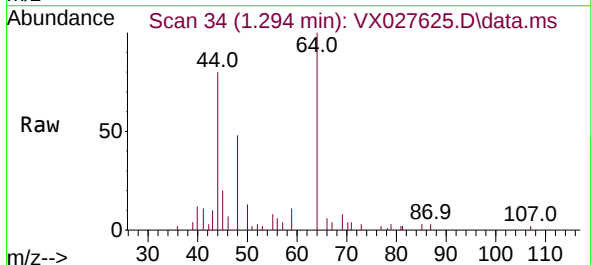
Instrument :
MSVOA_X
ClientSampleId :
MW-114D

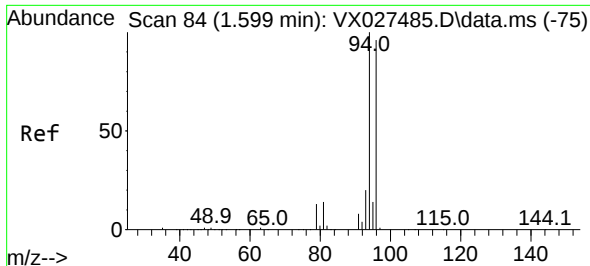
Tgt Ion:168 Resp: 347912
Ion Ratio Lower Upper
168 100
99 52.2 41.7 62.5



#3
Chloromethane
Concen: 0.200 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

Tgt Ion: 50 Resp: 593
Ion Ratio Lower Upper
50 100
52 24.6 26.4 39.6#

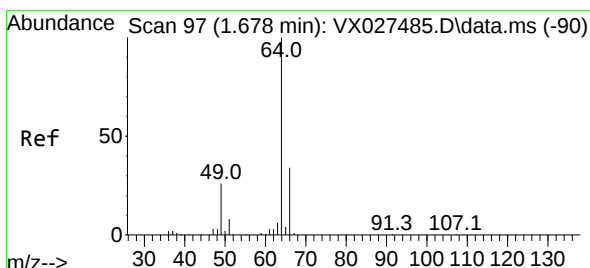
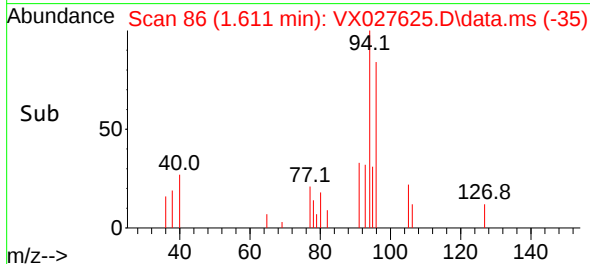
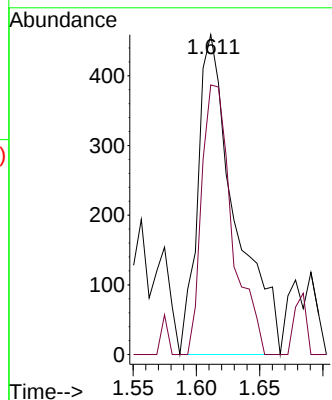
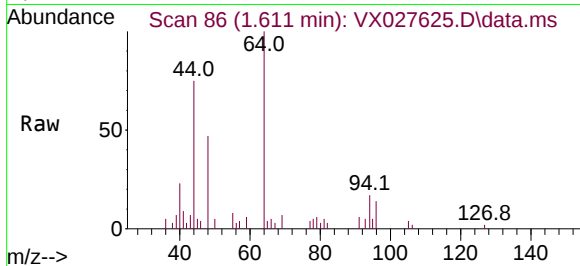




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

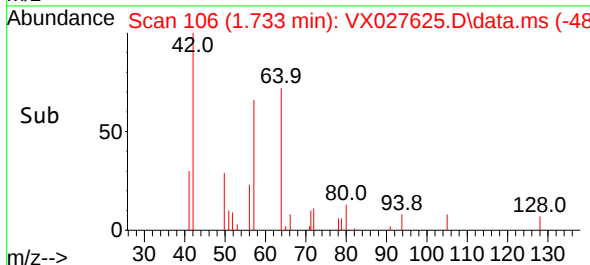
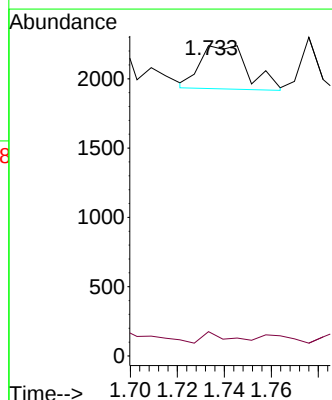
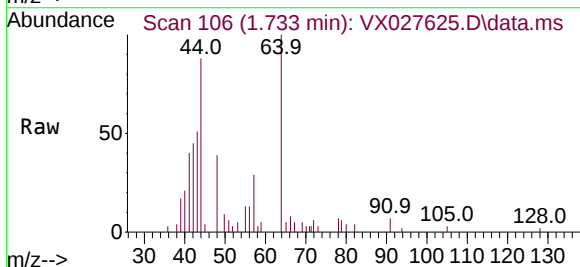
Instrument :
MSVOA_X
ClientSampleId :
MW-114D

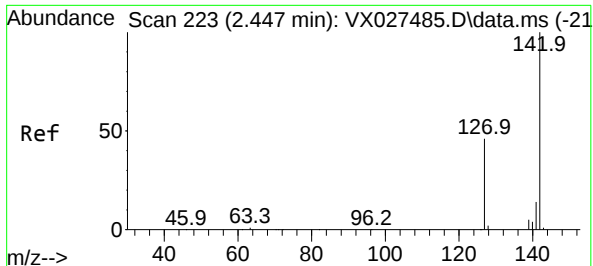
Tgt Ion: 94 Resp: 939
Ion Ratio Lower Upper
94 100
96 84.3 75.3 112.9



#6
Chloroethane
Concen: 0.209 ug/l
RT: 1.733 min Scan# 106
Delta R.T. 0.055 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

Tgt Ion: 64 Resp: 440
Ion Ratio Lower Upper
64 100
66 19.4 25.3 37.9#

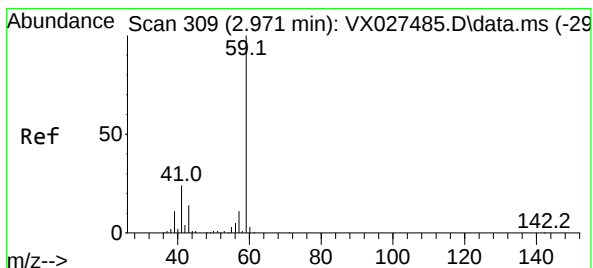
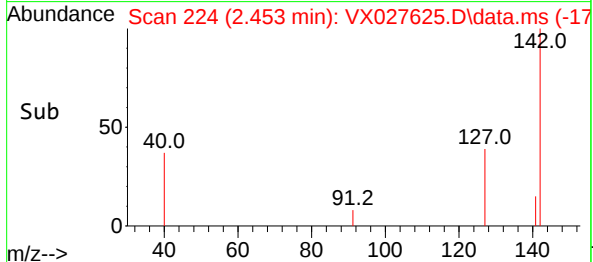
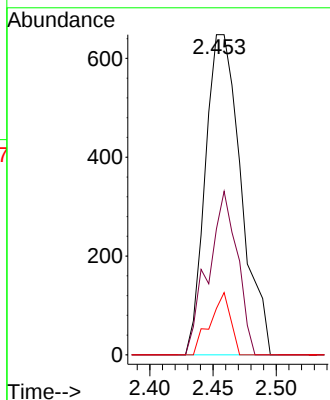
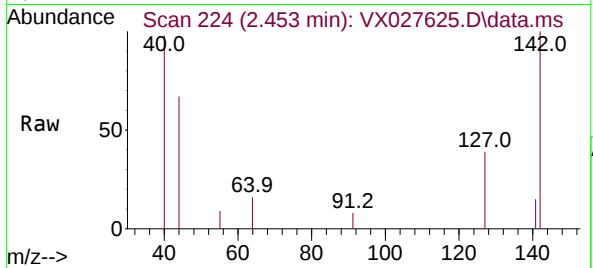




#10
Methyl Iodide
Concen: 0.286 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

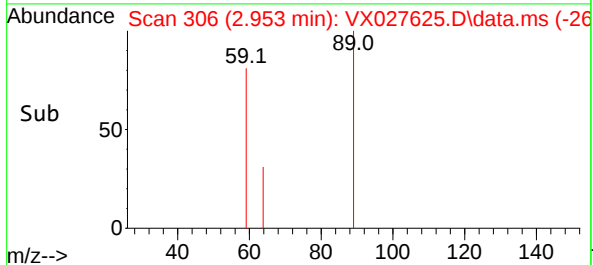
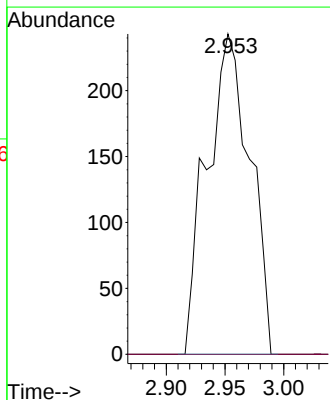
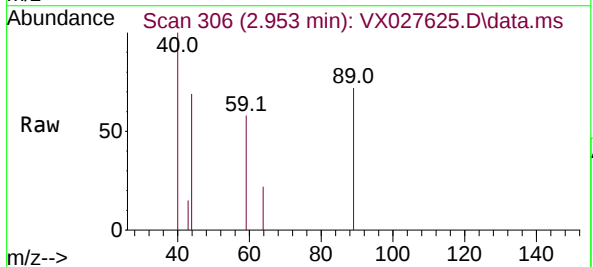
Instrument :
MSVOA_X
ClientSampleId :
MW-114D

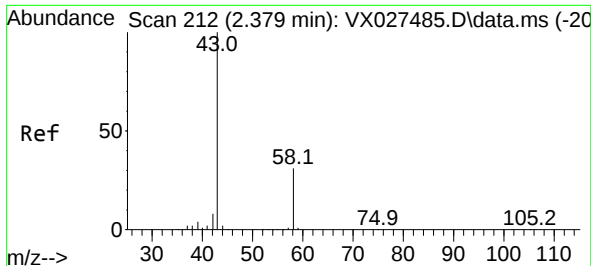
Tgt Ion:142 Resp: 1273
Ion Ratio Lower Upper
142 100
127 41.9 33.9 50.9
141 11.2 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.760 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

Tgt Ion: 59 Resp: 621
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

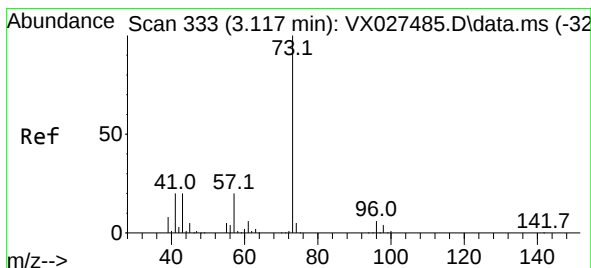
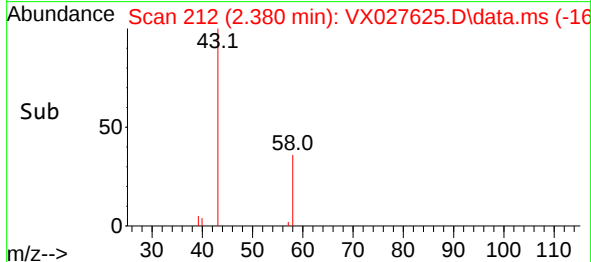
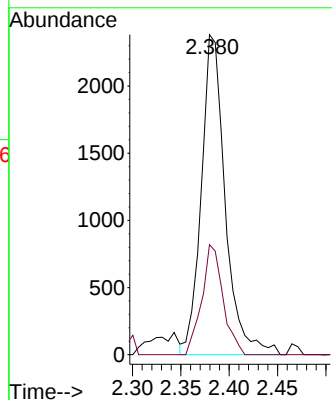
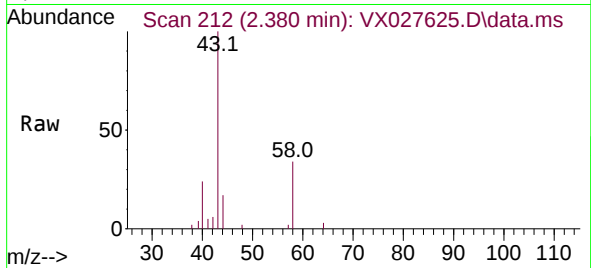




#16
Acetone
Concen: 2.351 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

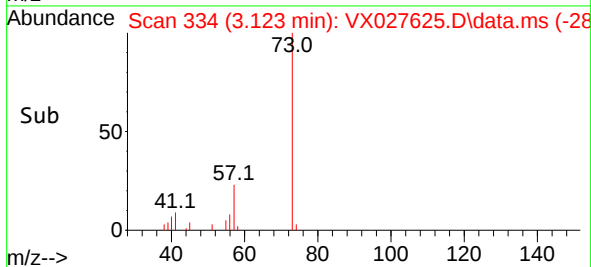
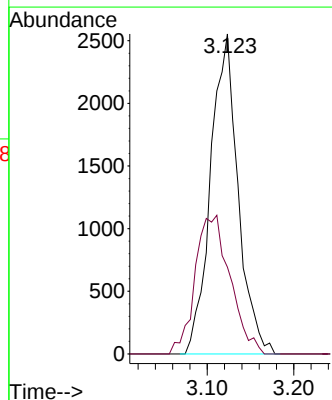
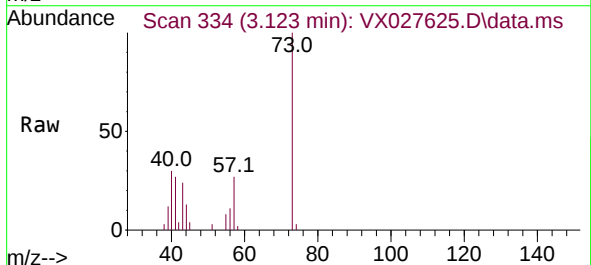
Instrument :
MSVOA_X
ClientSampleId :
MW-114D

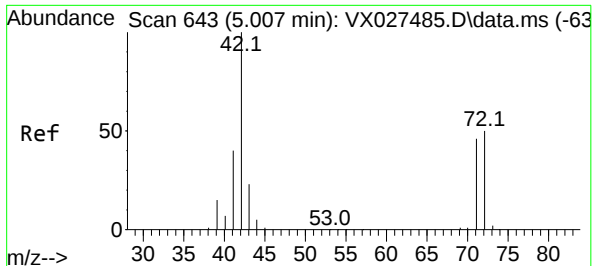
Tgt Ion: 43 Resp: 4107
Ion Ratio Lower Upper
43 100
58 34.4 28.8 43.2



#19
Methyl tert-butyl Ether
Concen: 0.516 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

Tgt Ion: 73 Resp: 5629
Ion Ratio Lower Upper
73 100
57 27.1 16.8 25.2#





#29

Tetrahydrofuran

Concen: 0.319 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX027625.D

Acq: 22 Mar 2022 19:26

Instrument :

MSVOA_X

ClientSampleId :

MW-114D

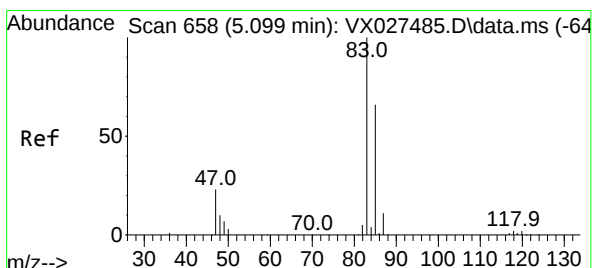
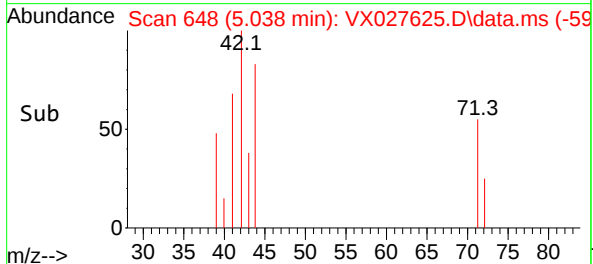
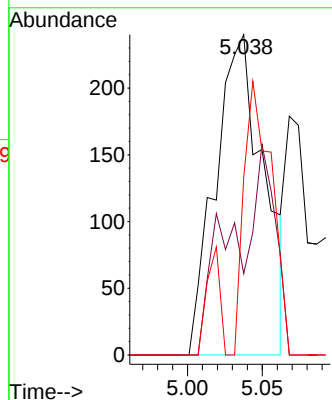
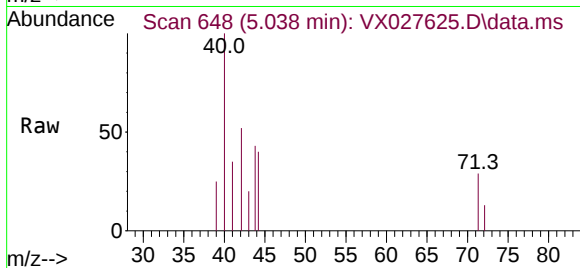
Tgt Ion: 42 Resp: 538

Ion Ratio Lower Upper

42 100

72 30.5 44.1 66.1#

71 48.7 40.5 60.7



#30

Chloroform

Concen: 0.311 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.006 min

Lab File: VX027625.D

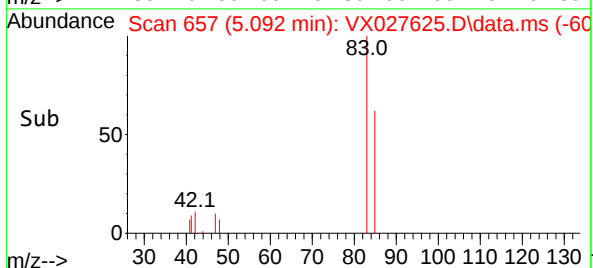
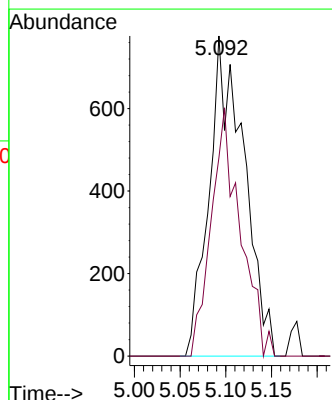
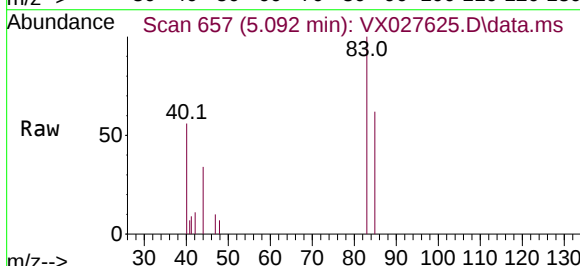
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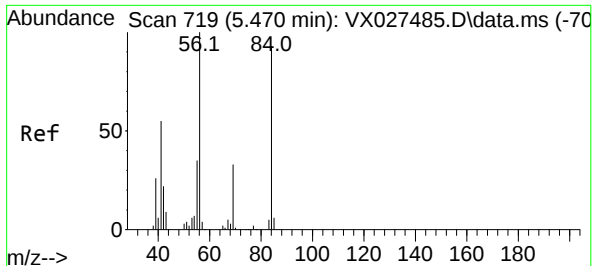
Tgt Ion: 83 Resp: 2059

Ion Ratio Lower Upper

83 100

85 62.0 52.7 79.1

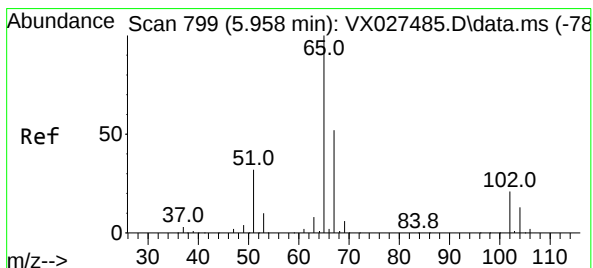
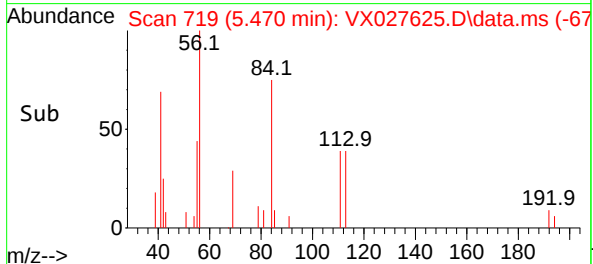
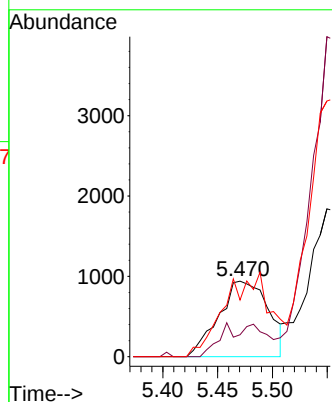
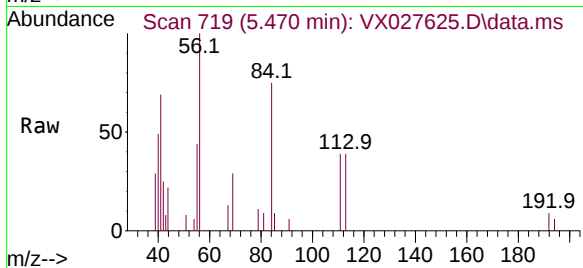




#31
Cyclohexane
Concen: 0.554 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

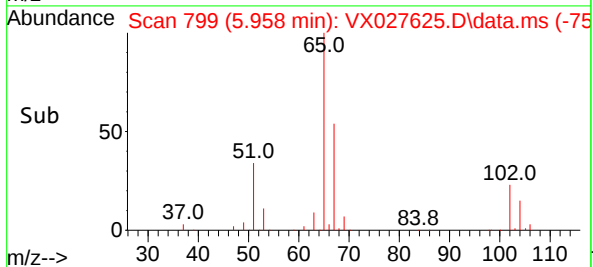
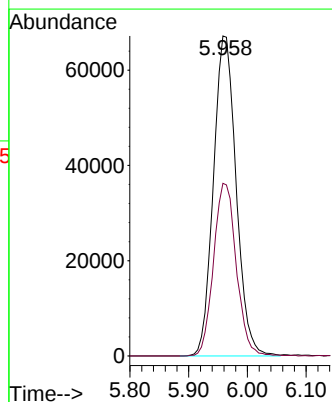
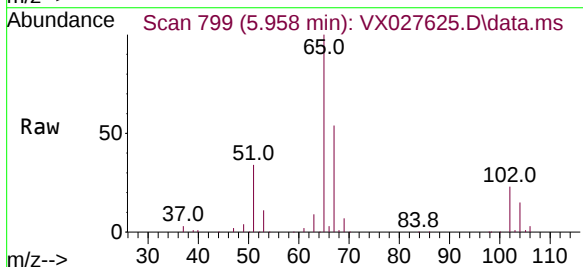
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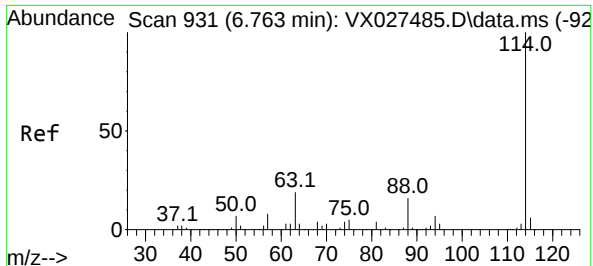
Tgt Ion: 56 Resp: 2951
Ion Ratio Lower Upper
56 100
69 29.1 26.7 40.1
84 75.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 42.137 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

Tgt Ion: 65 Resp: 180598
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.4

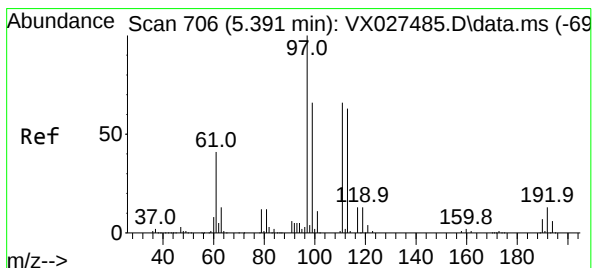
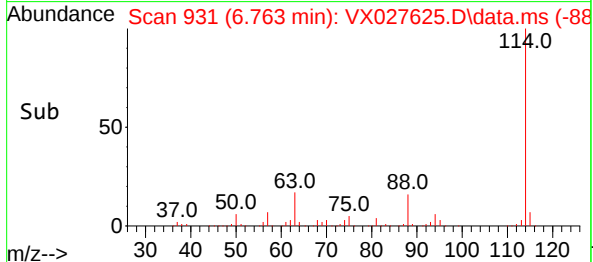
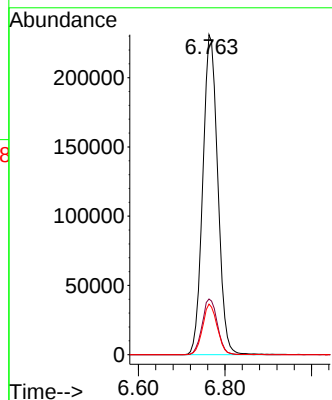
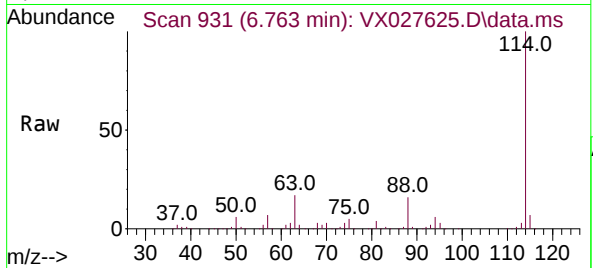




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX027625.D
 Acq: 22 Mar 2022 19:26

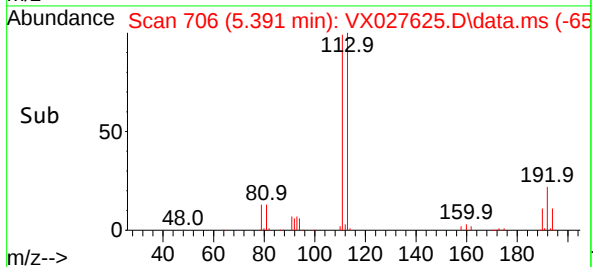
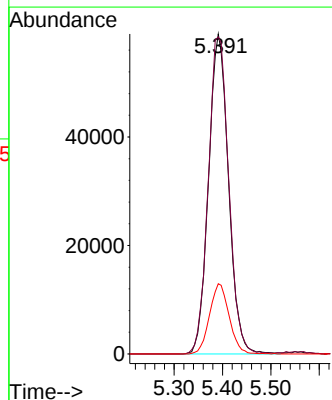
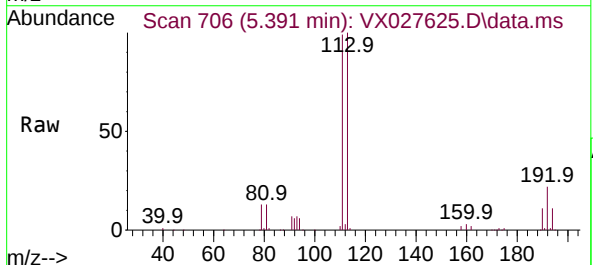
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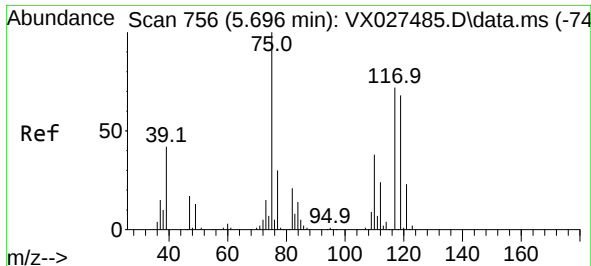
Tgt Ion:114 Resp: 553869
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.8
 88 15.8 0.0 32.4



#35
 Dibromofluoromethane
 Concen: 47.457 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.000 min
 Lab File: VX027625.D
 Acq: 22 Mar 2022 19:26

Tgt Ion:113 Resp: 169111
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.8 124.2
 192 21.6 16.9 25.3

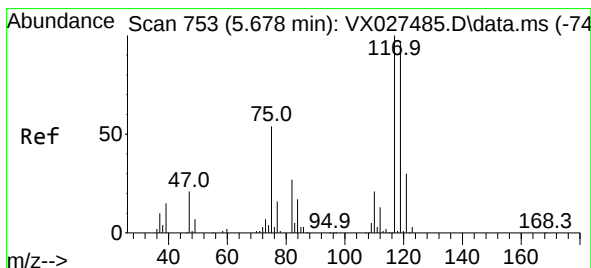
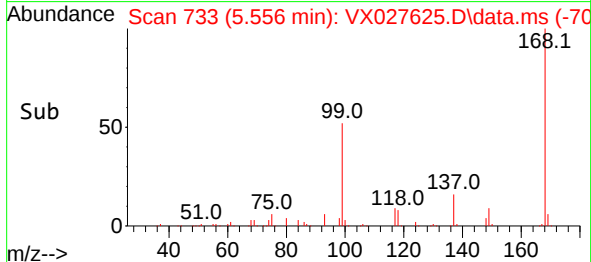
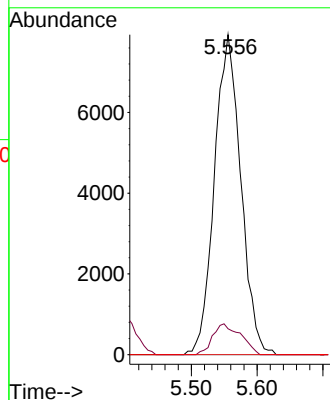
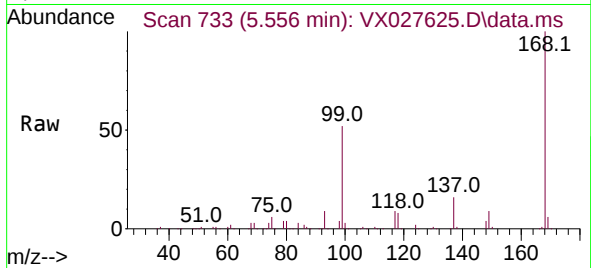




#36
1,1-Dichloropropene
Concen: 4.538 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

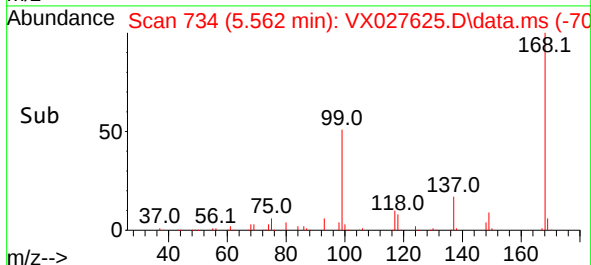
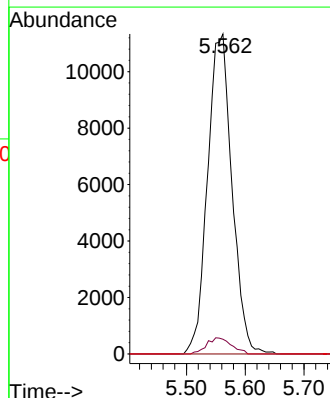
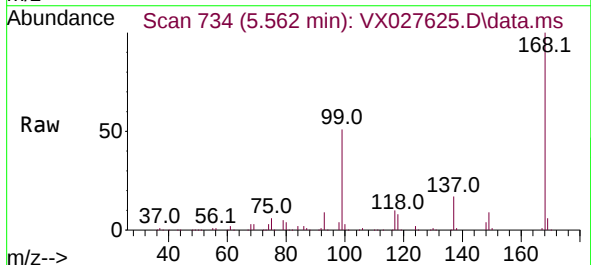
Instrument :
MSVOA_X
ClientSampleId :
MW-114D

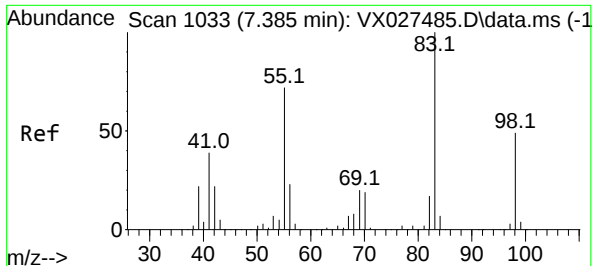
Tgt Ion: 75 Resp: 22098
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

Tgt Ion: 117 Resp: 32769
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.303 ug/l

RT: 7.385 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027625.D

Acq: 22 Mar 2022 19:26

Instrument :

MSVOA_X

ClientSampleId :

MW-114D

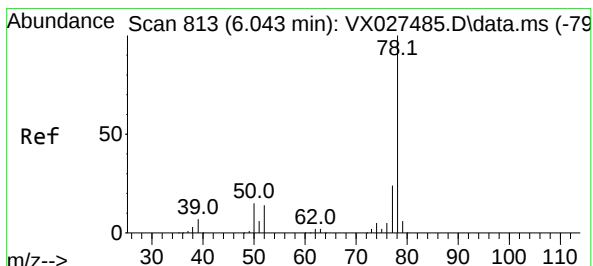
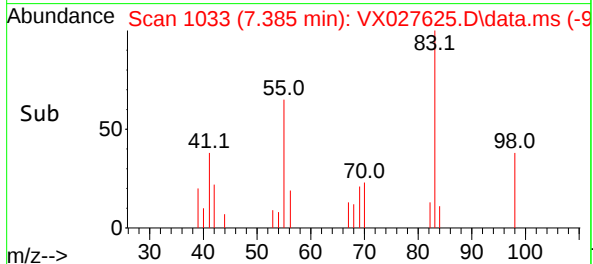
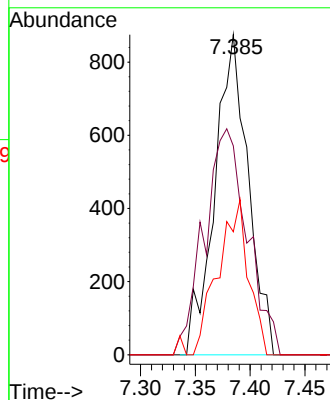
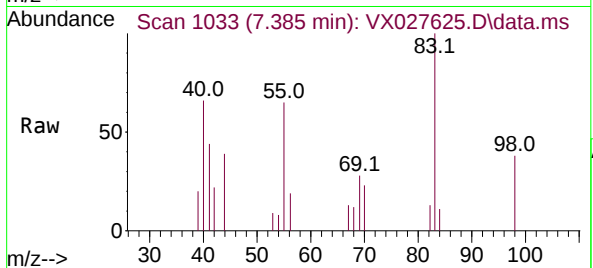
Tgt Ion: 83 Resp: 1856

Ion Ratio Lower Upper

83 100

55 65.3 54.6 81.8

98 38.4 37.4 56.2



#40

Benzene

Concen: 1.536 ug/l

RT: 6.043 min Scan# 813

Delta R.T. 0.000 min

Lab File: VX027625.D

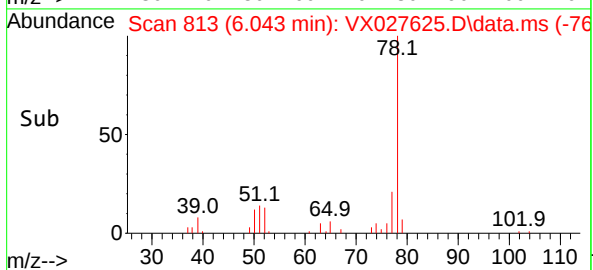
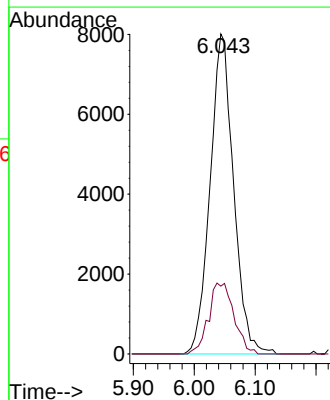
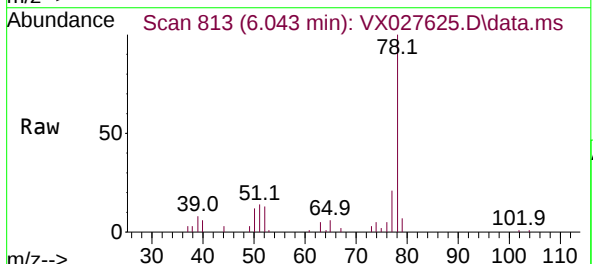
Acq: 22 Mar 2022 19:26

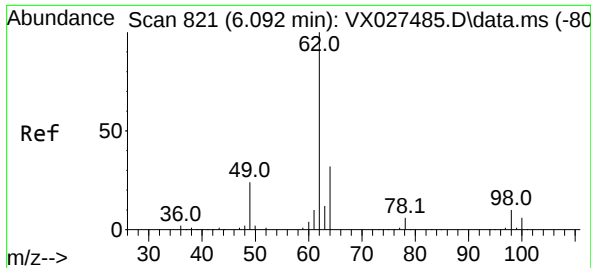
Tgt Ion: 78 Resp: 21457

Ion Ratio Lower Upper

78 100

77 21.2 19.3 28.9

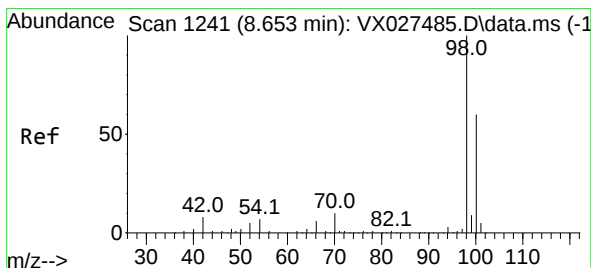
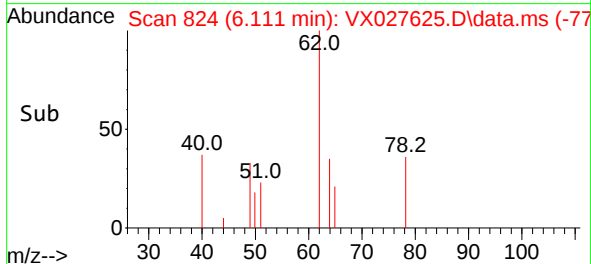
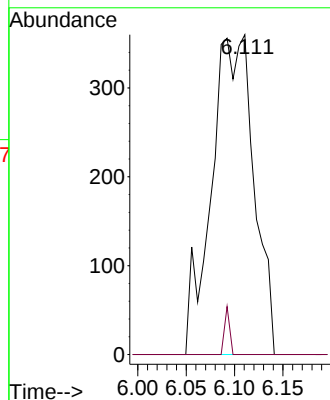
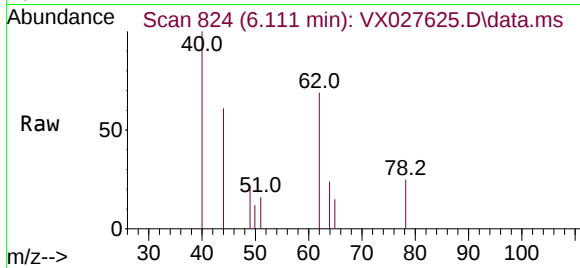




#42
1,2-Dichloroethane
Concen: 0.210 ug/l
RT: 6.111 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

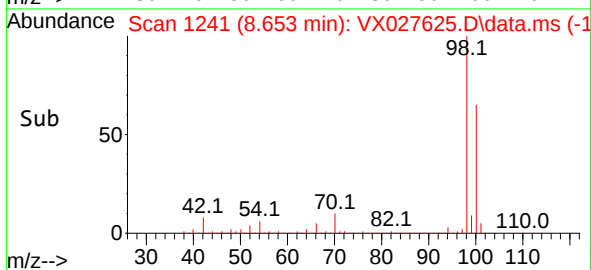
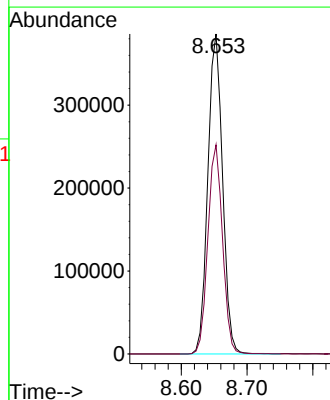
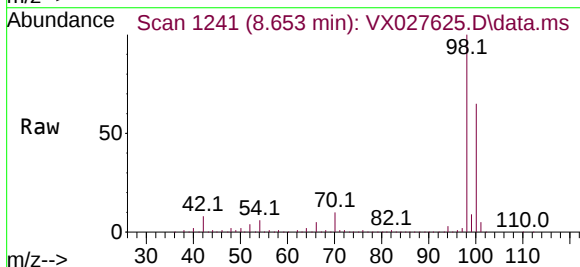
Instrument :
MSVOA_X
ClientSampleId :
MW-114D

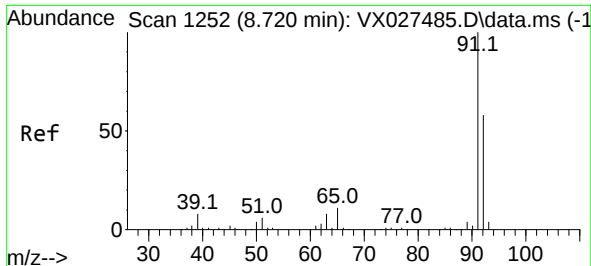
Tgt Ion: 62 Resp: 1102
Ion Ratio Lower Upper
62 100
98 1.8 0.0 20.4



#50
Toluene-d8
Concen: 44.564 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

Tgt Ion: 98 Resp: 600932
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8

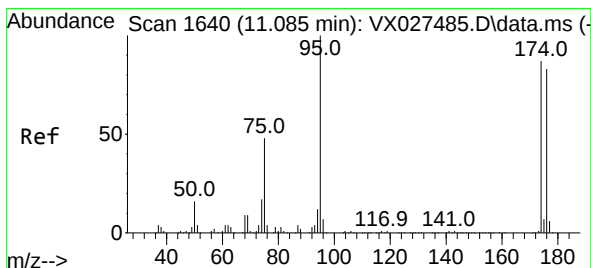
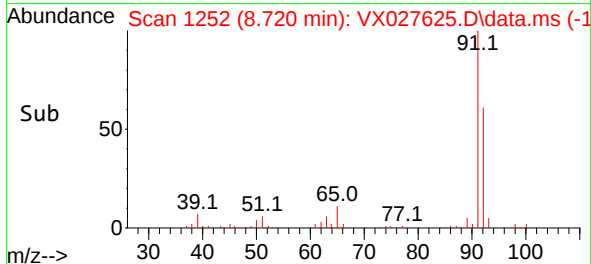
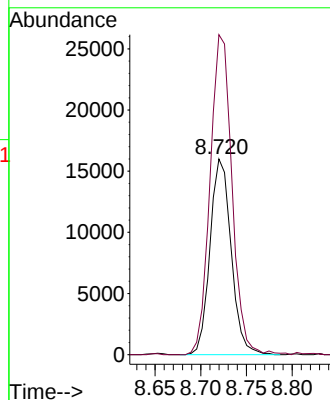
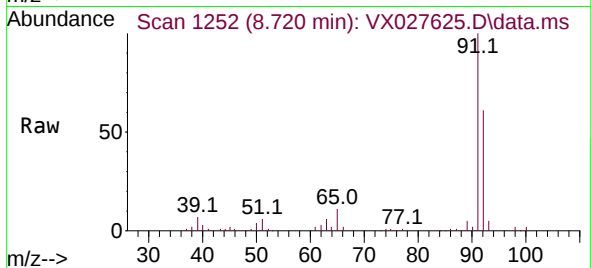




#52
Toluene
Concen: 2.748 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

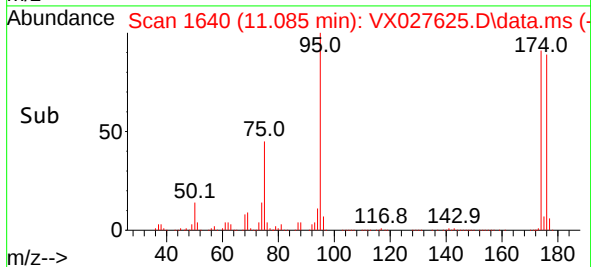
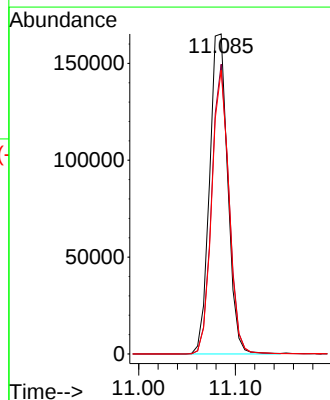
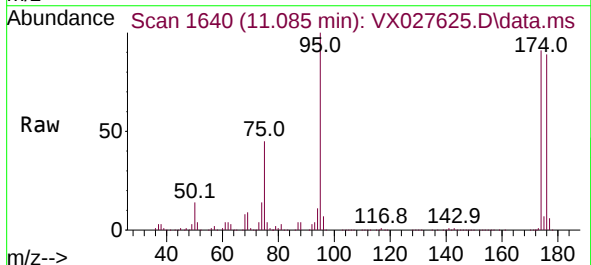
Instrument :
MSVOA_X
ClientSampleId :
MW-114D

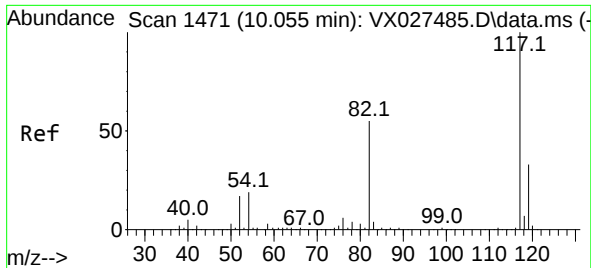
Tgt Ion: 92 Resp: 25724
Ion Ratio Lower Upper
92 100
91 169.3 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 43.625 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

Tgt Ion: 95 Resp: 216223
Ion Ratio Lower Upper
95 100
174 86.0 0.0 163.0
176 84.2 0.0 155.0

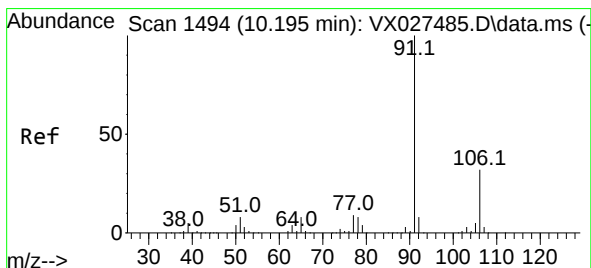
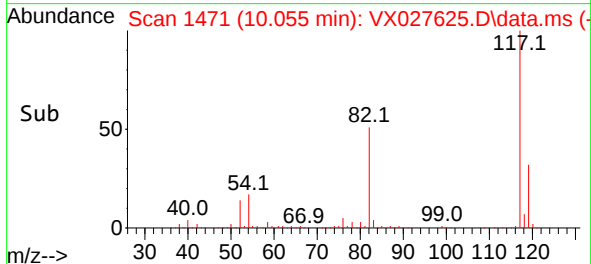
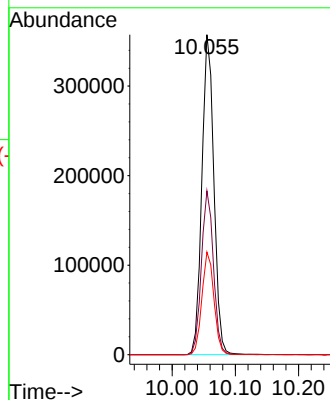
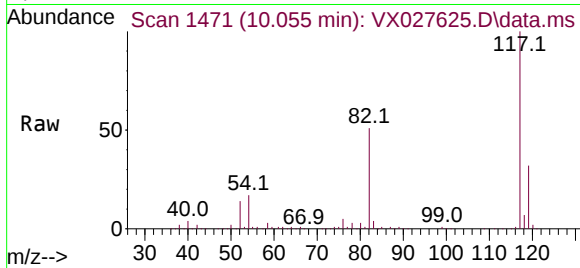




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

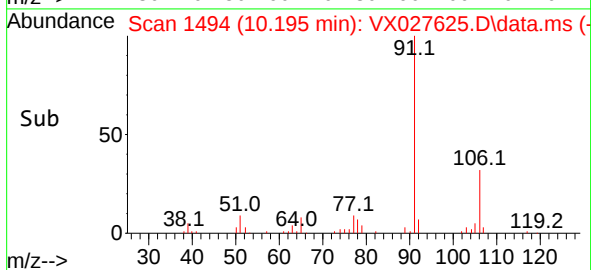
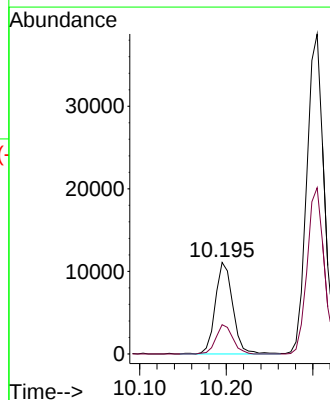
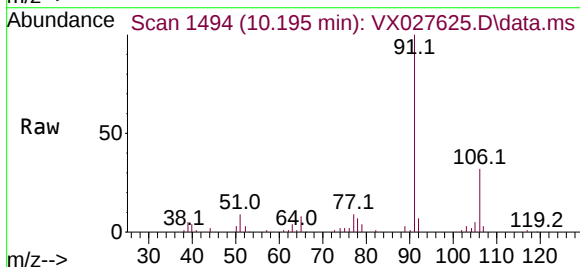
Instrument :
MSVOA_X
ClientSampleId :
MW-114D

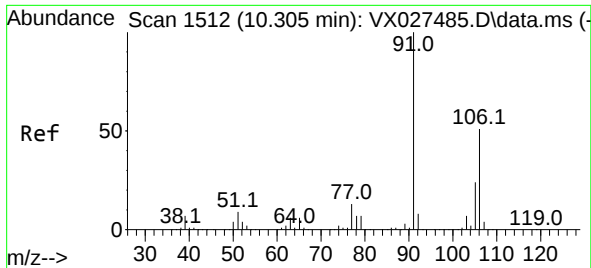
Tgt Ion:117 Resp: 473050
Ion Ratio Lower Upper
117 100
82 51.2 41.8 62.8
119 32.1 24.8 37.2



#67
Ethyl Benzene
Concen: 0.935 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

Tgt Ion: 91 Resp: 15580
Ion Ratio Lower Upper
91 100
106 31.9 24.6 36.8

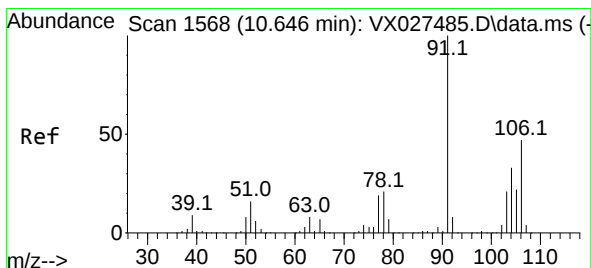
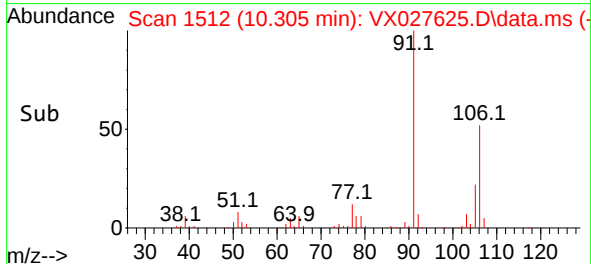
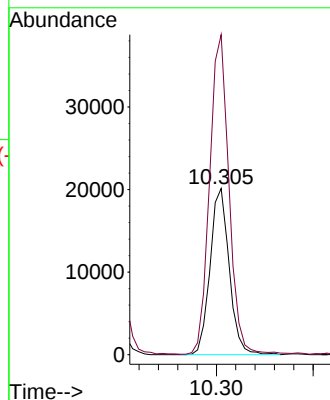
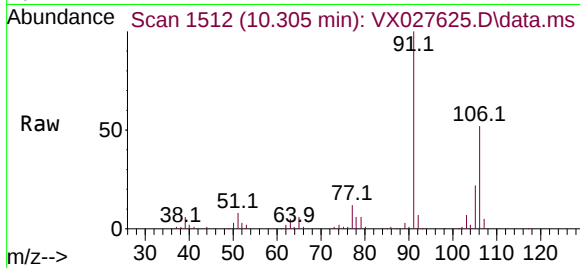




#68
m/p-Xylenes
Concen: 4.226 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

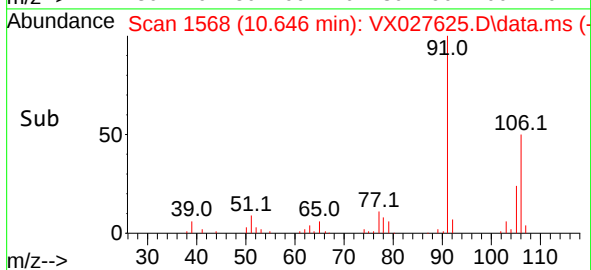
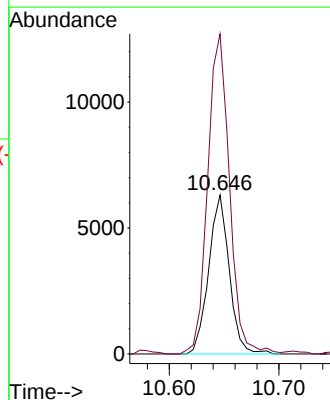
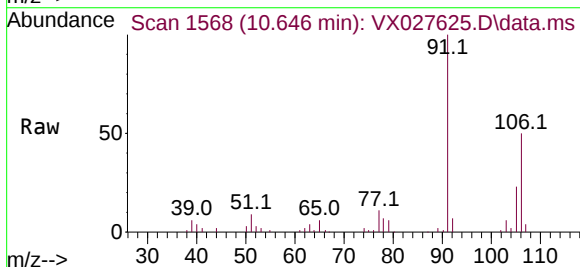
Instrument :
MSVOA_X
ClientSampleId :
MW-114D

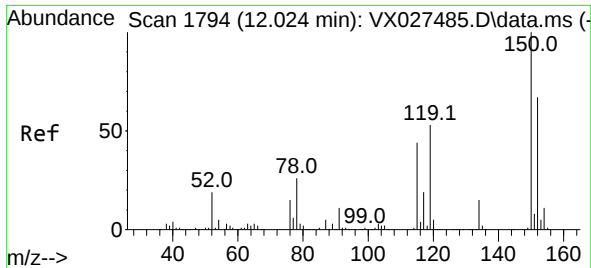
Tgt Ion:106 Resp: 27713
Ion Ratio Lower Upper
106 100
91 194.7 160.4 240.6



#69
o-Xylene
Concen: 1.294 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

Tgt Ion:106 Resp: 8243
Ion Ratio Lower Upper
106 100
91 212.5 106.1 318.1

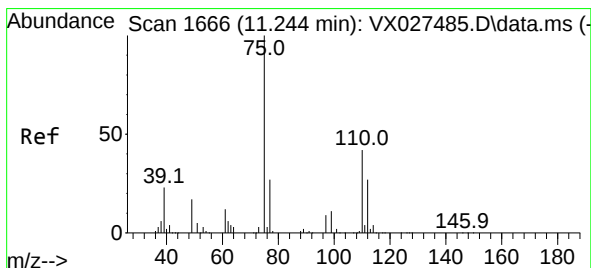
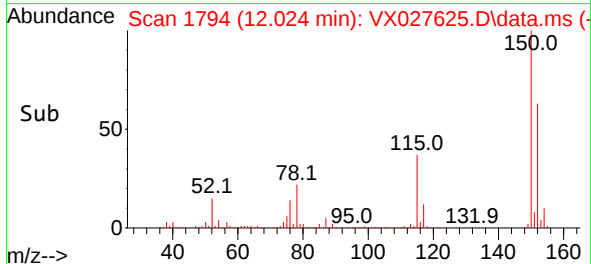
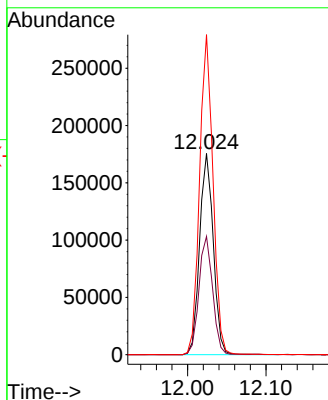
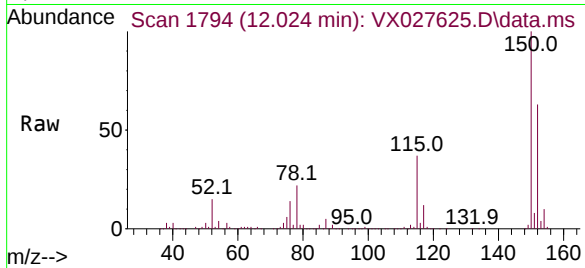




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX027625.D
 Acq: 22 Mar 2022 19:26

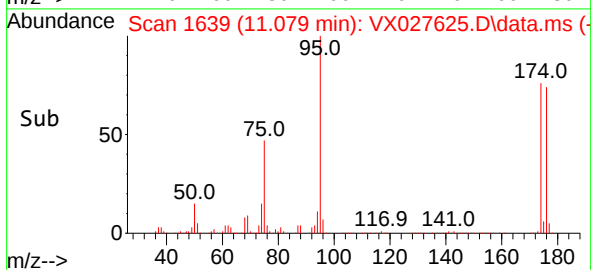
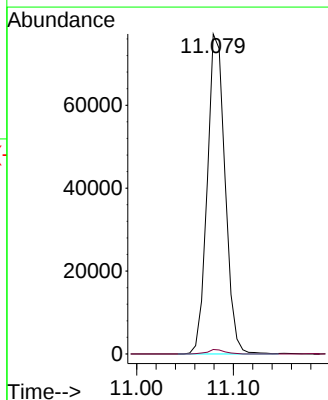
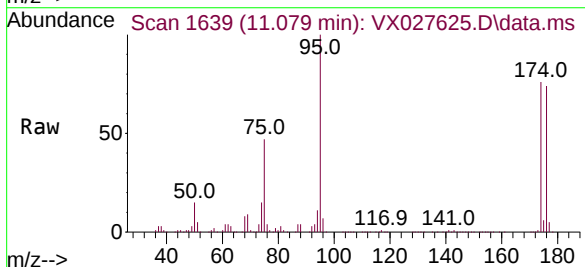
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-114D

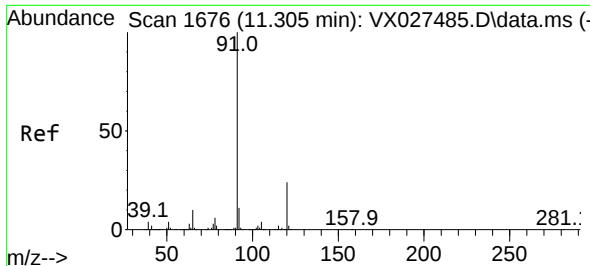
Tgt Ion:152 Resp: 213143
 Ion Ratio Lower Upper
 152 100
 115 58.8 37.5 112.7
 150 155.8 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 22.199 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX027625.D
 Acq: 22 Mar 2022 19:26

Tgt Ion: 75 Resp: 98969
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.4 58.2#

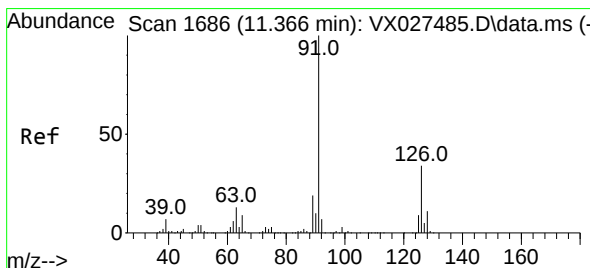
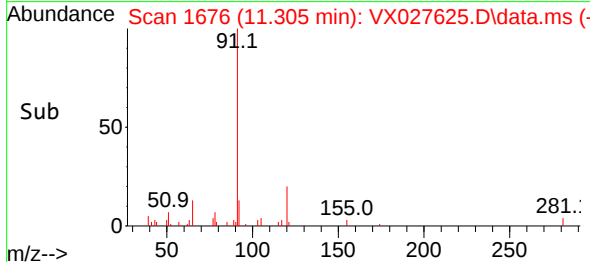
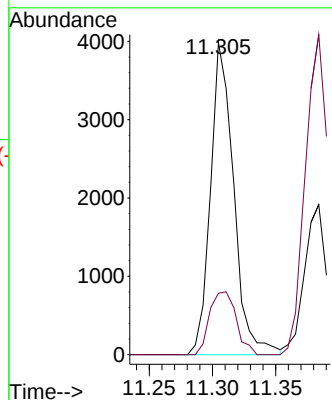
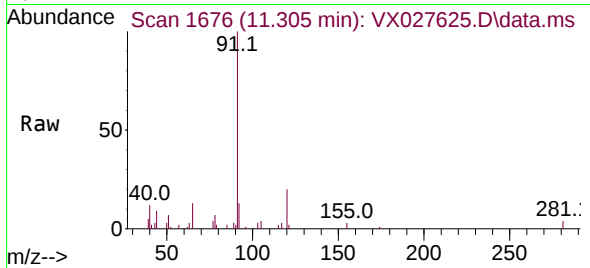




#78
n-propylbenzene
Concen: 0.298 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

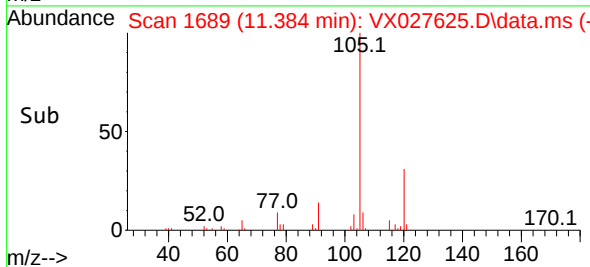
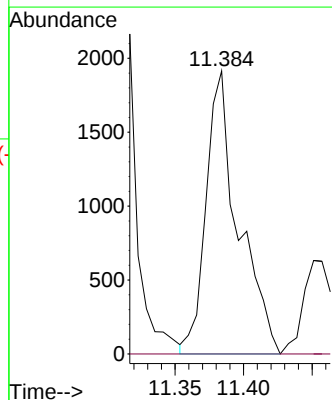
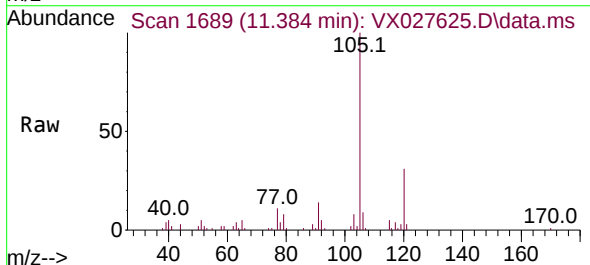
Instrument :
MSVOA_X
ClientSampleId :
MW-114D

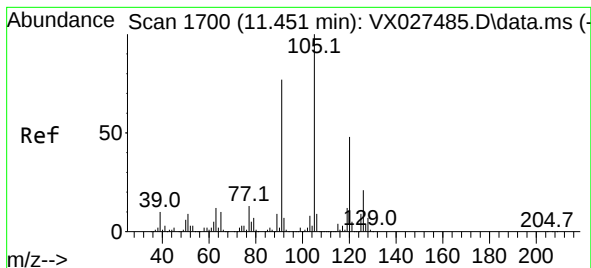
Tgt Ion: 91 Resp: 5079
Ion Ratio Lower Upper
91 100
120 23.1 11.6 34.8



#79
2-Chlorotoluene
Concen: 0.293 ug/l
RT: 11.384 min Scan# 1689
Delta R.T. 0.018 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

Tgt Ion: 91 Resp: 3134
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#





#80

1,3,5-Trimethylbenzene

Concen: 0.623 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX027625.D

Acq: 22 Mar 2022 19:26

Instrument :

MSVOA_X

ClientSampleId :

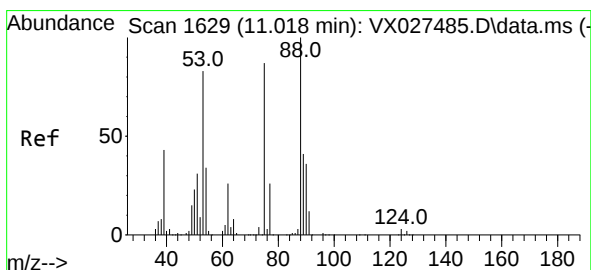
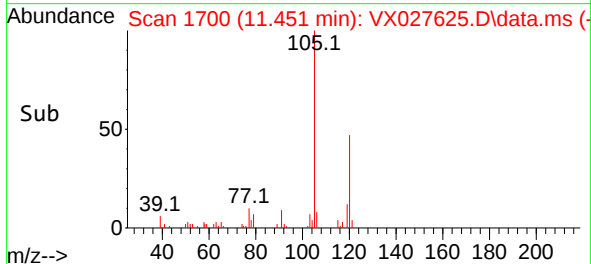
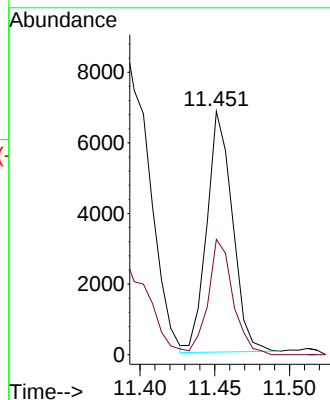
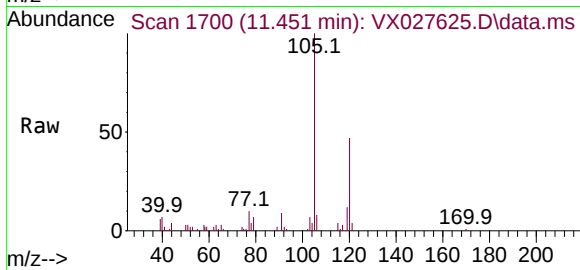
MW-114D

Tgt Ion:105 Resp: 8135

Ion Ratio Lower Upper

105 100

120 46.2 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 67.420 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX027625.D

Acq: 22 Mar 2022 19:26

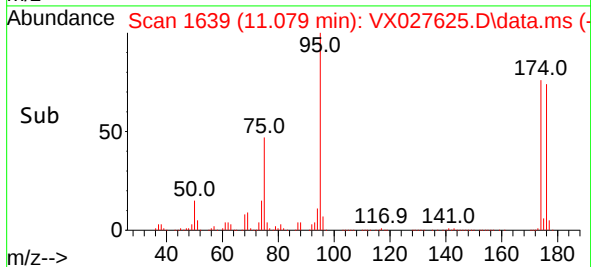
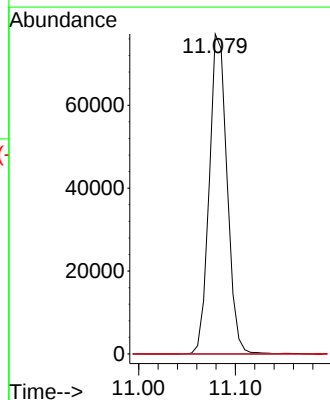
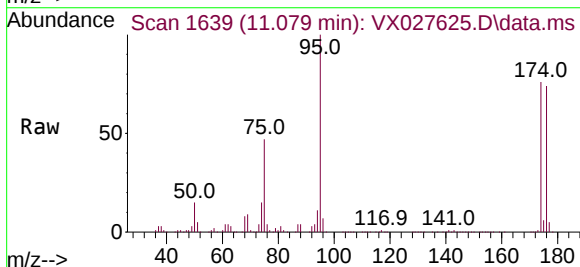
Tgt Ion: 75 Resp: 98969

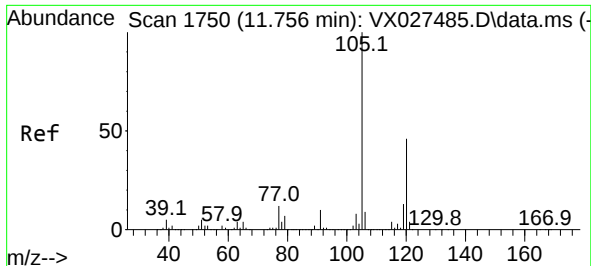
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

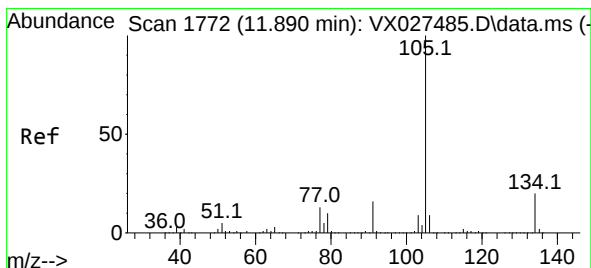
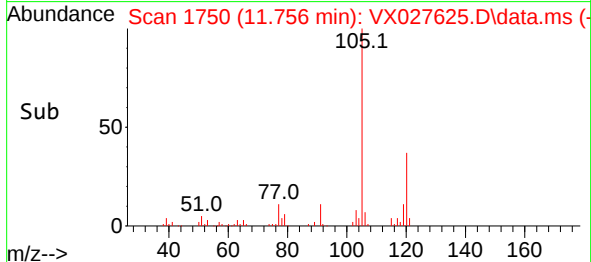
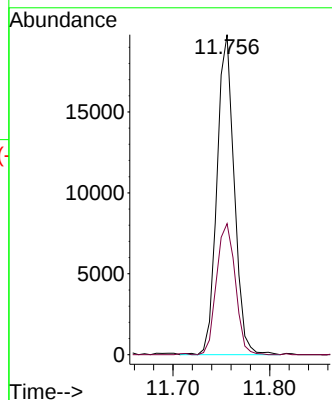
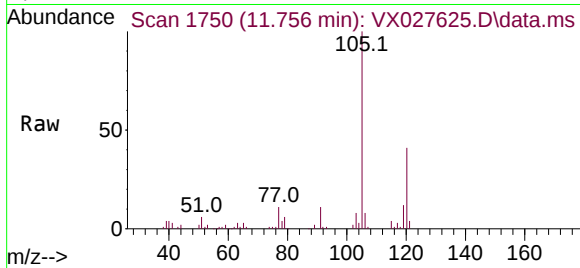




#84
1,2,4-Trimethylbenzene
Concen: 1.879 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

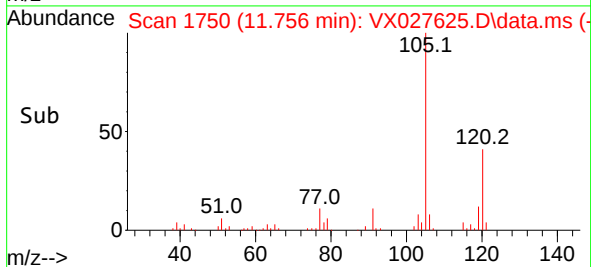
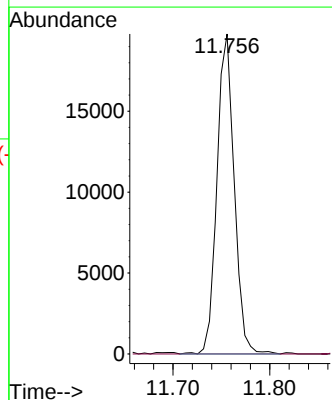
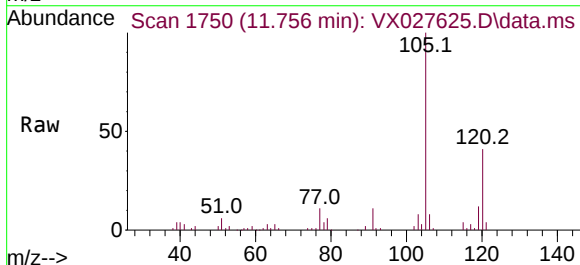
Instrument :
MSVOA_X
ClientSampleId :
MW-114D

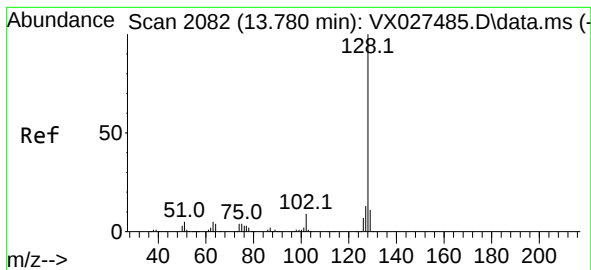
Tgt Ion:105 Resp: 24485
Ion Ratio Lower Upper
105 100
120 44.5 22.6 67.8



#85
sec-Butylbenzene
Concen: 1.565 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

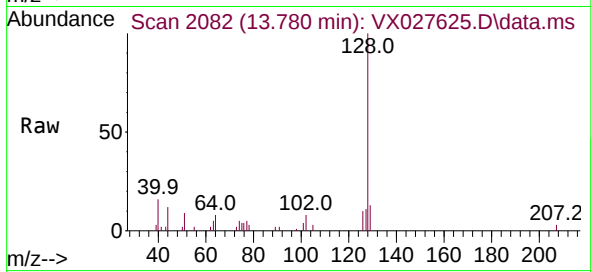
Tgt Ion:105 Resp: 24485
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#95
Naphthalene
Concen: 0.345 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX027625.D
Acq: 22 Mar 2022 19:26

Instrument :
MSVOA_X
ClientSampleId :
MW-114D



Tgt Ion:	128	Resp:	5103
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.4
129	12.7	8.7	13.1

