

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040822\
 Data File : VX028032.D
 Acq On : 08 Apr 2022 17:07
 Operator : JC/MD
 Sample : N2334-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-20

Quant Time: Apr 11 01:18:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 07 18:12:28 2022
 Response via : Initial Calibration

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

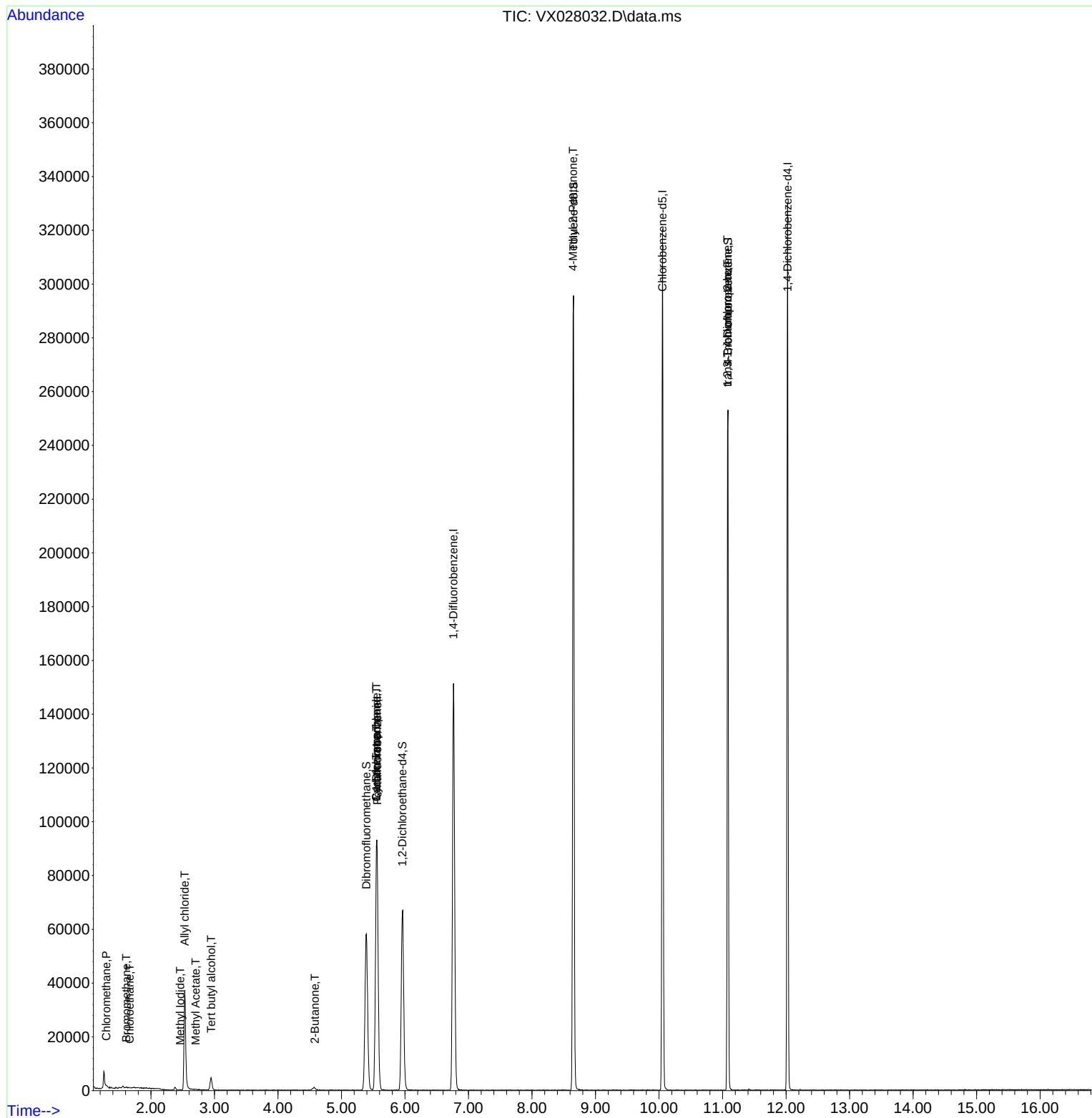
Internal Standards						
1) Pentafluorobenzene	5.562	168	78617	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	139788	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70441	59.024	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 118.040%	
35) Dibromofluoromethane	5.391	113	49169	52.401	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 104.800%	
50) Toluene-d8	8.653	98	167088	49.907	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.820%	
62) 4-Bromofluorobenzene	11.085	95	67621	47.512	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 95.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	116	1.590	ug/l #	42
5) Bromomethane	1.611	94	119	0.993	ug/l #	76
6) Chloroethane	1.666	64	89	1.711	ug/l #	43
10) Methyl Iodide	2.459	142	59	6.852	ug/l #	41
11) Tert butyl alcohol	2.946	59	3002	14.277	ug/l #	72
14) Allyl chloride	2.532	41	4097	2.901	ug/l #	53
16) Acetone	2.379	43	1265	Below Cal	#	73
17) Carbon Disulfide	2.514	76	60	Below Cal	#	75
18) Methyl Acetate	2.703	43	353	0.284	ug/l #	46
25) 2-Butanone	4.580	43	182	0.235	ug/l #	44
31) Cyclohexane	5.550	56	2142	1.481	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	7568	5.485	ug/l #	49
38) Carbon Tetrachloride	5.550	117	9159	6.133	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	951	0.597	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	39916	27.303	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	39916	84.267	ug/l #	15

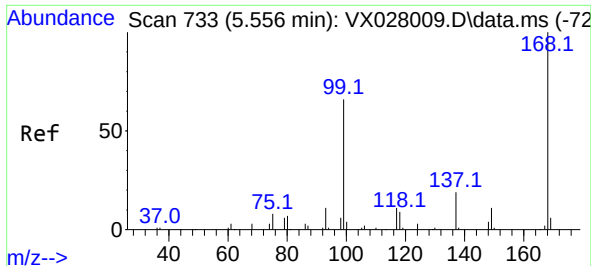
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

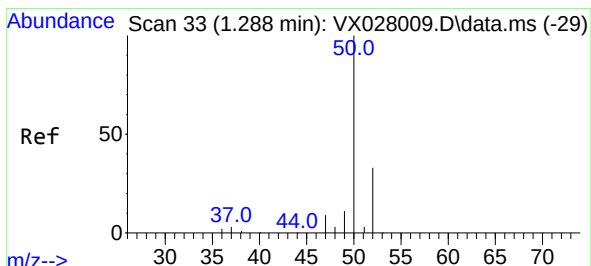
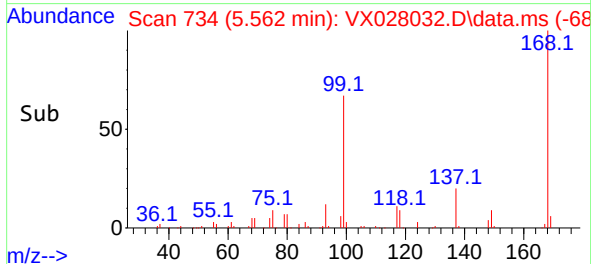
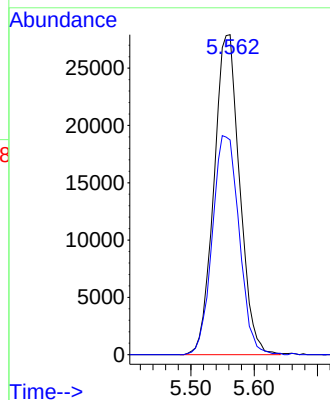
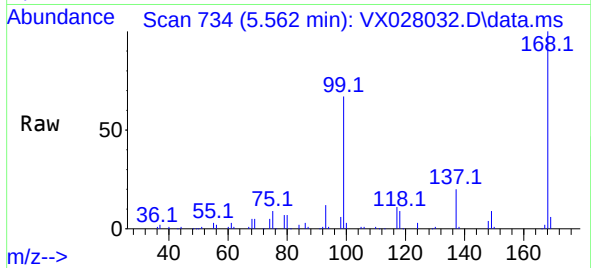




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

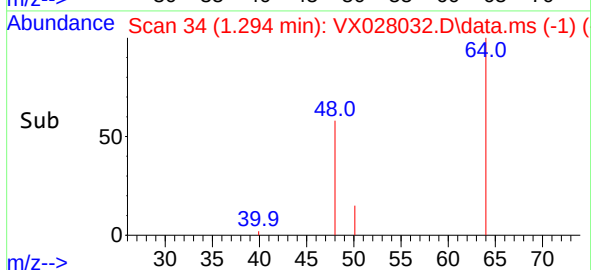
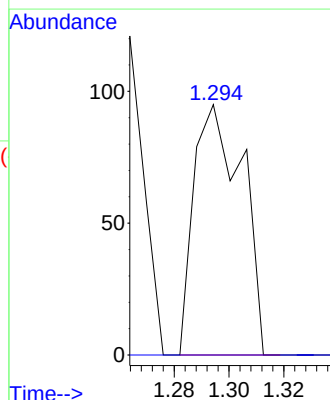
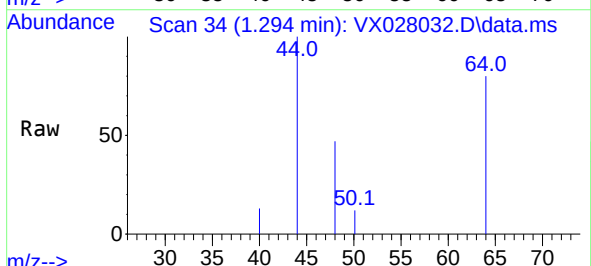
Instrument :
MSVOA_X
ClientSampleId :
MW-20

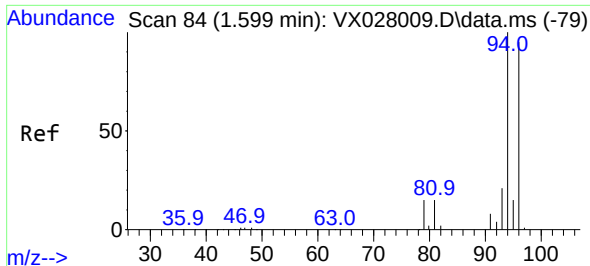
Tgt Ion:168 Resp: 78617
Ion Ratio Lower Upper
168 100
99 67.1 41.7 62.5#



#3
Chloromethane
Concen: 1.590 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

Tgt Ion: 50 Resp: 116
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

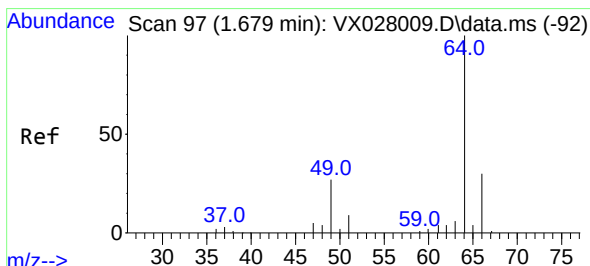
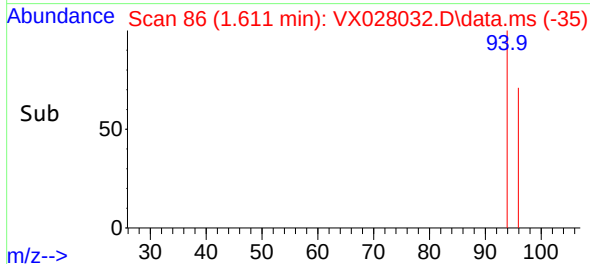
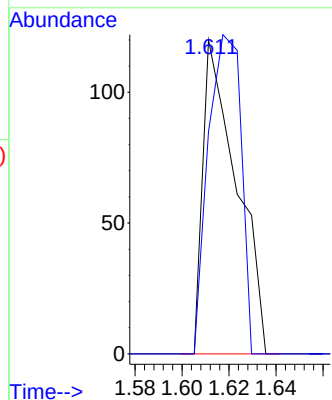
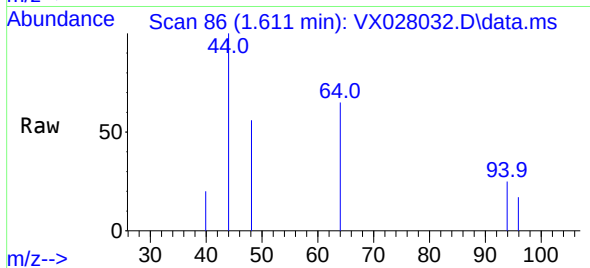




#5
Bromomethane
Concen: 0.993 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

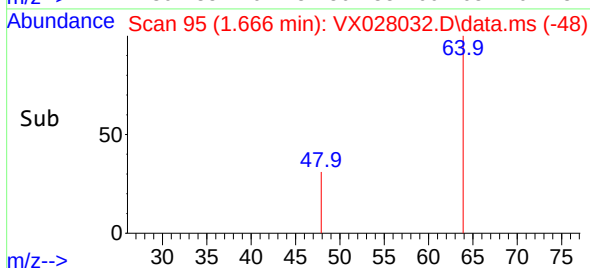
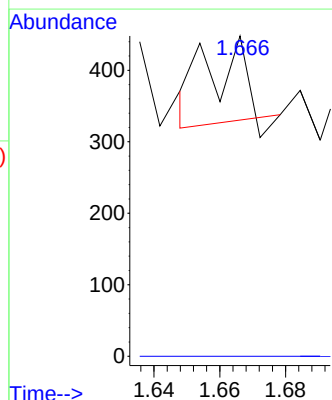
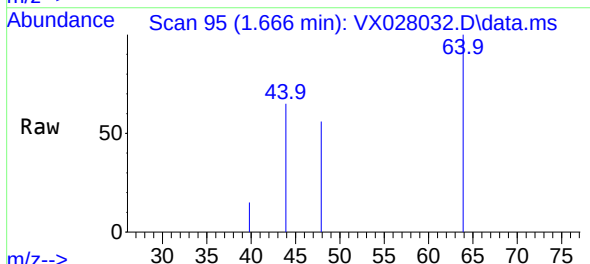
Instrument :
MSVOA_X
ClientSampleId :
MW-20

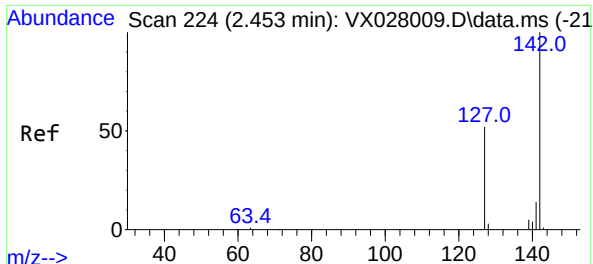
Tgt Ion: 94 Resp: 119
Ion Ratio Lower Upper
94 100
96 70.8 75.3 112.9#



#6
Chloroethane
Concen: 1.711 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

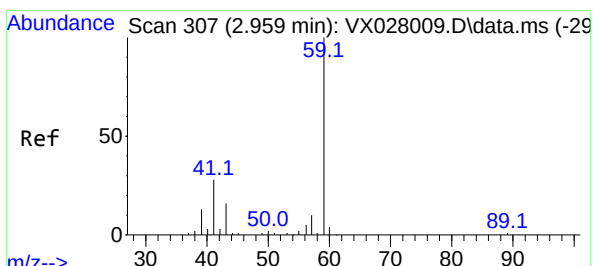
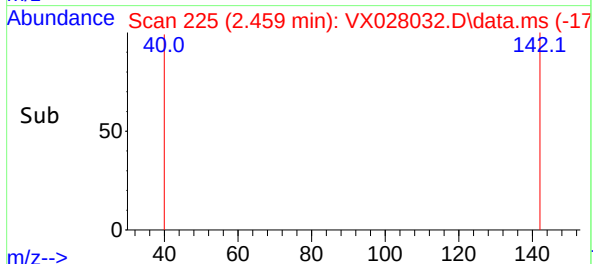
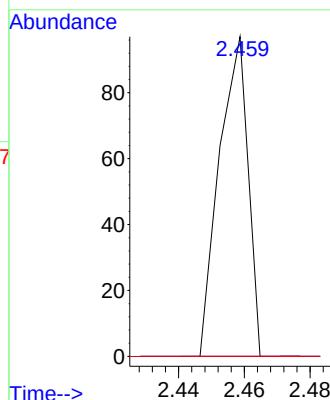
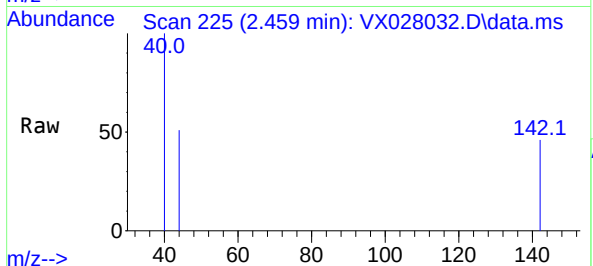




#10
Methyl Iodide
Concen: 6.852 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

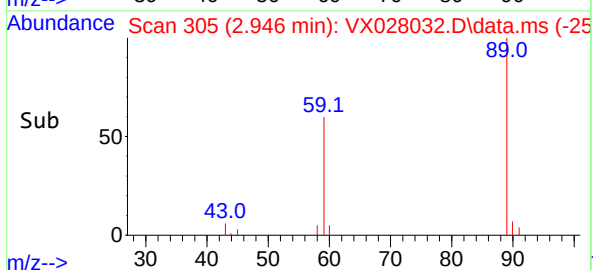
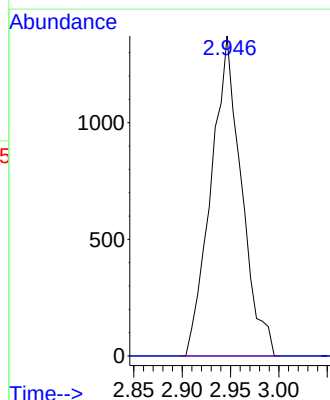
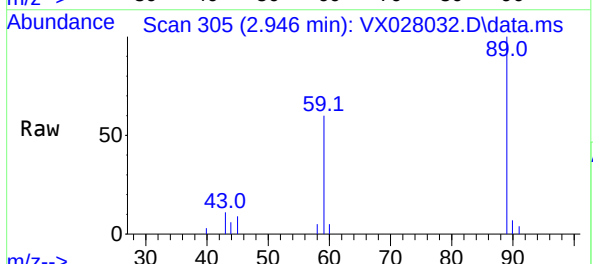
Instrument :
MSVOA_X
ClientSampleId :
MW-20

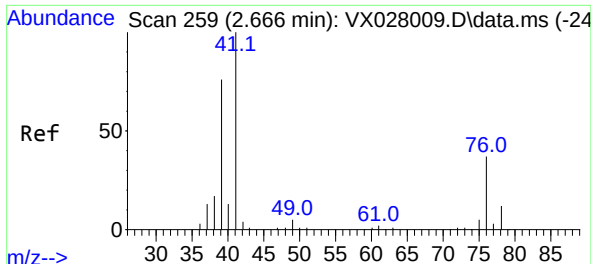
Tgt Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 14.277 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.013 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

Tgt Ion: 59 Resp: 3002
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

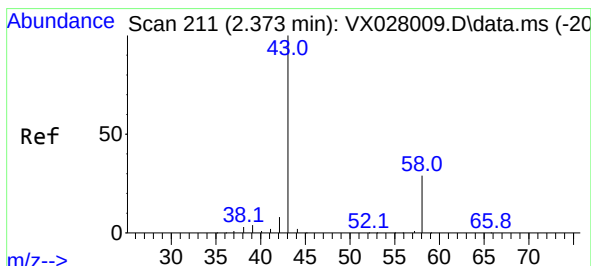
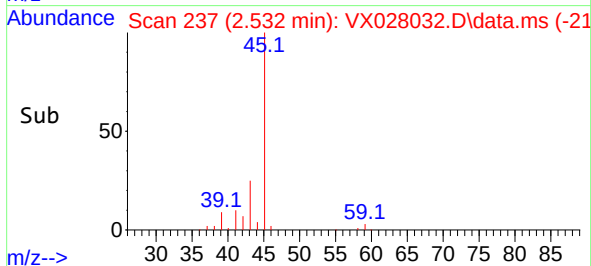
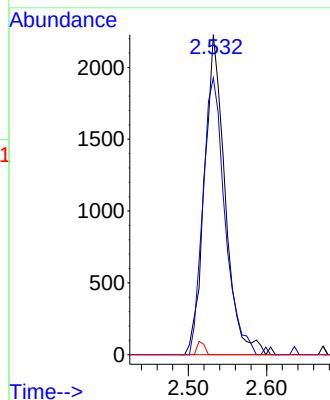
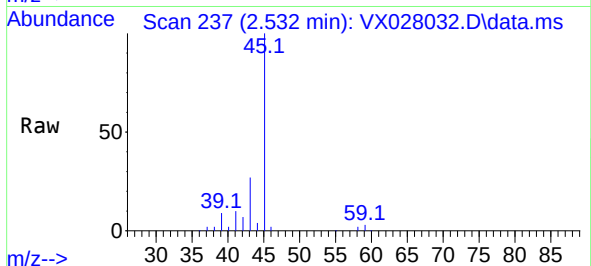




#14
Allyl chloride
Concen: 2.901 ug/l
RT: 2.532 min Scan# 212
Delta R.T. -0.134 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

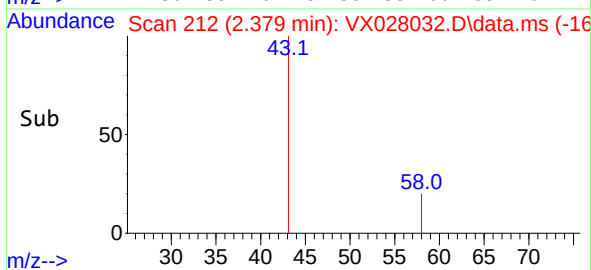
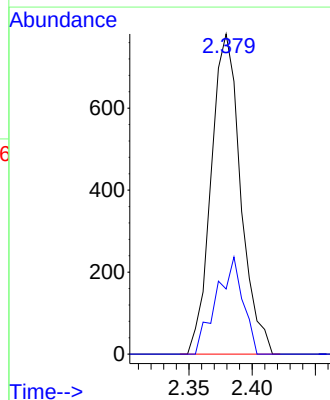
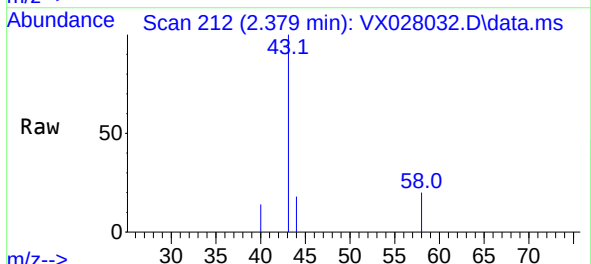
Instrument :
MSVOA_X
ClientSampleId :
MW-20

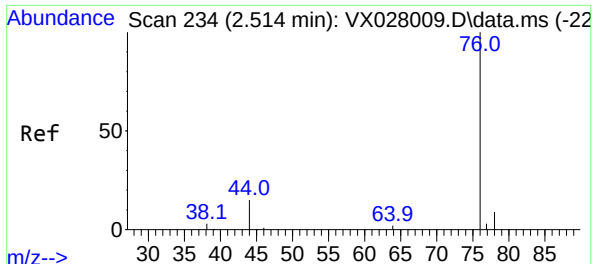
Tgt Ion: 41 Resp: 4097
Ion Ratio Lower Upper
41 100
39 91.9 50.4 75.6#
76 1.5 32.7 49.1#



#16
Acetone
Concen: Below Cal
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

Tgt Ion: 43 Resp: 1265
Ion Ratio Lower Upper
43 100
58 20.4 28.8 43.2#

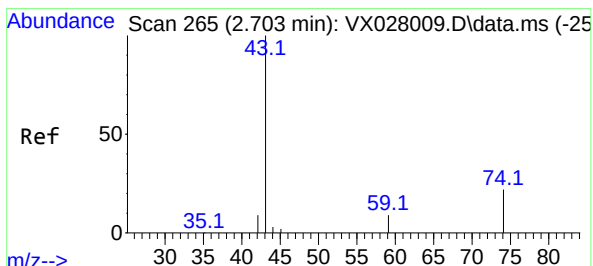
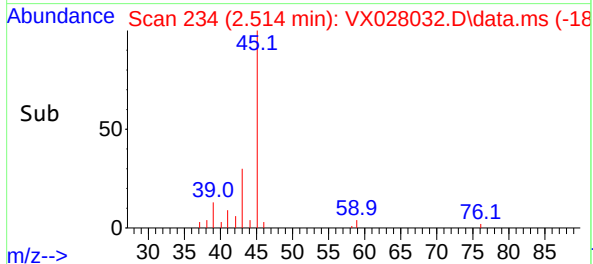
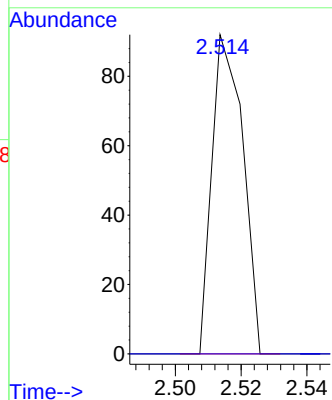
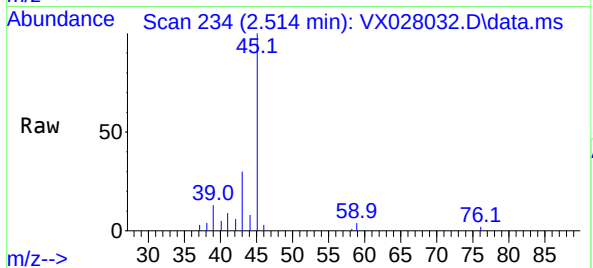




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

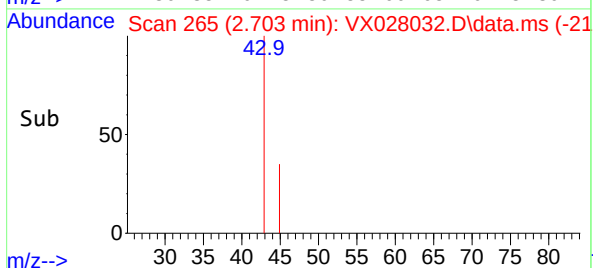
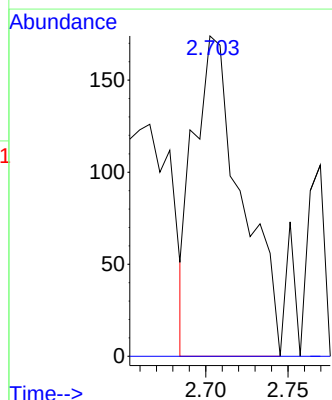
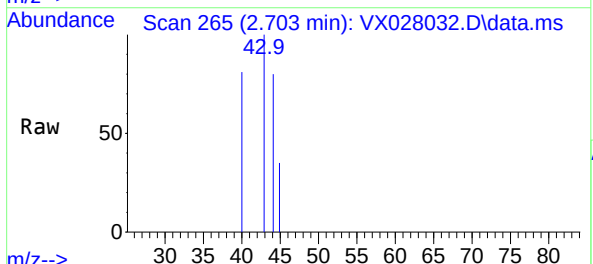
Instrument :
MSVOA_X
ClientSampleId :
MW-20

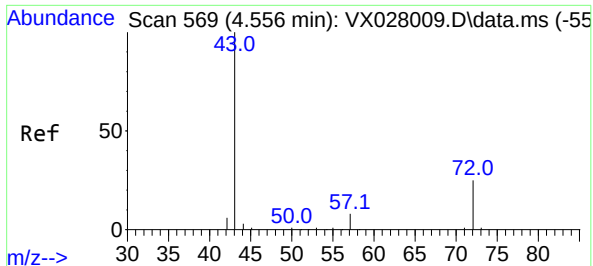
Tgt Ion: 76 Resp: 60
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.284 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#





#25

2-Butanone

Concen: 0.235 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX028032.D

Acq: 08 Apr 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

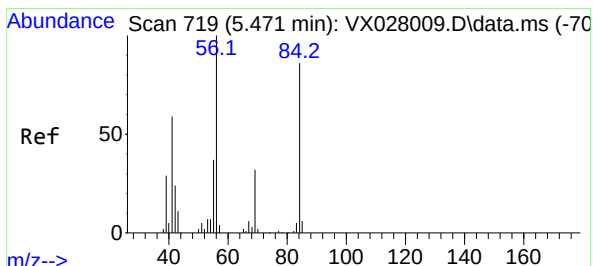
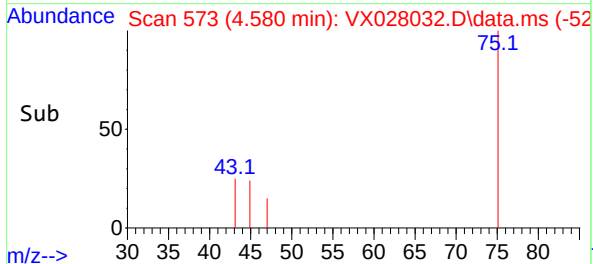
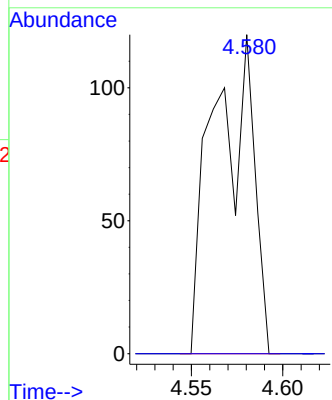
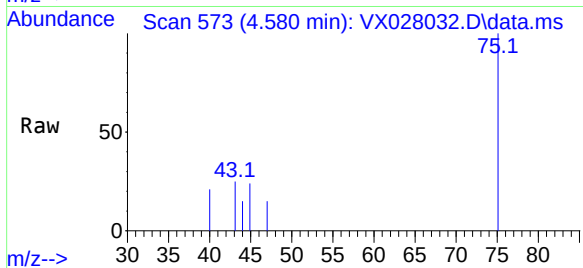
MW-20

Tgt Ion: 43 Resp: 182

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#



#31

Cyclohexane

Concen: 1.481 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX028032.D

Acq: 08 Apr 2022 17:07

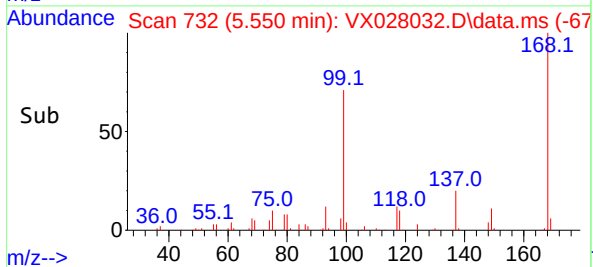
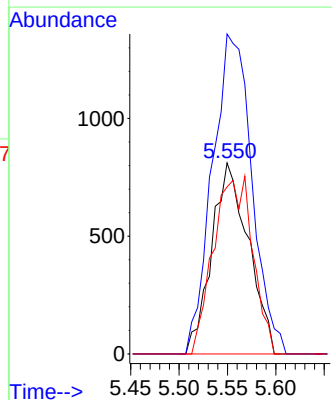
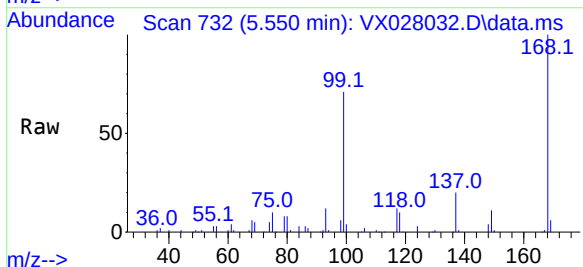
Tgt Ion: 56 Resp: 2142

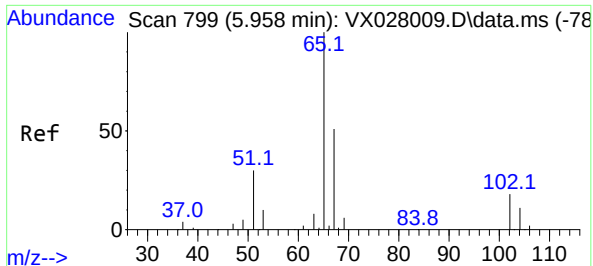
Ion Ratio Lower Upper

56 100

69 167.6 26.7 40.1#

84 87.4 77.2 115.8

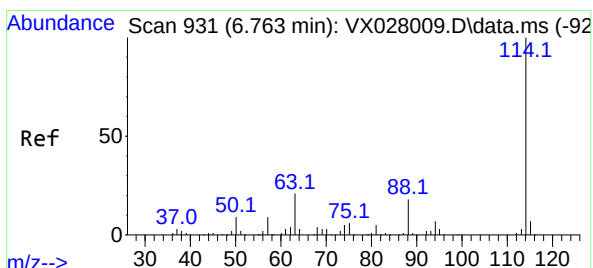
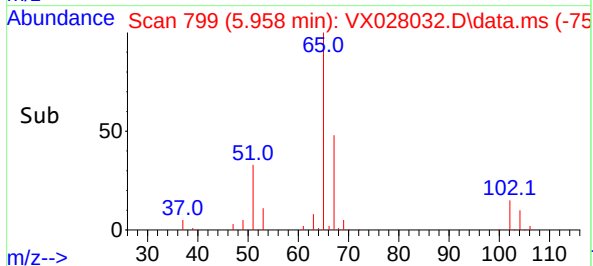
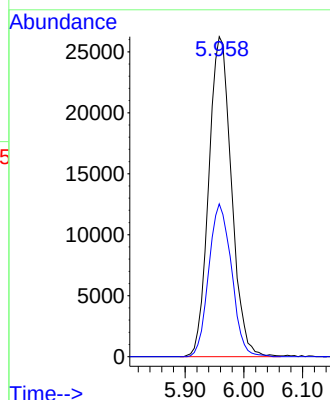
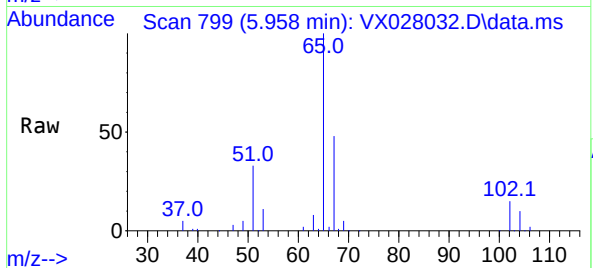




#33
1,2-Dichloroethane-d4
Concen: 59.024 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

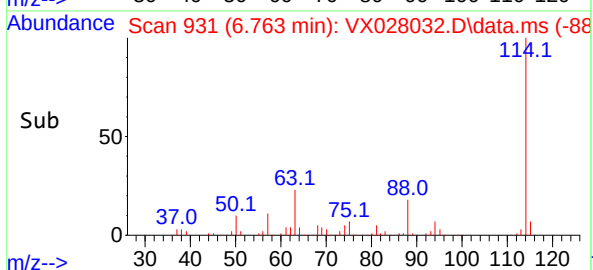
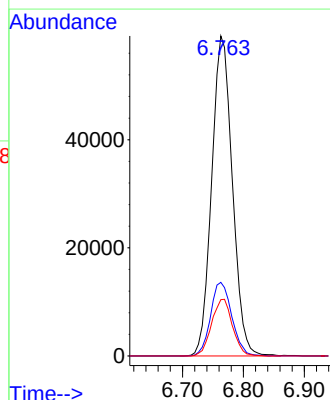
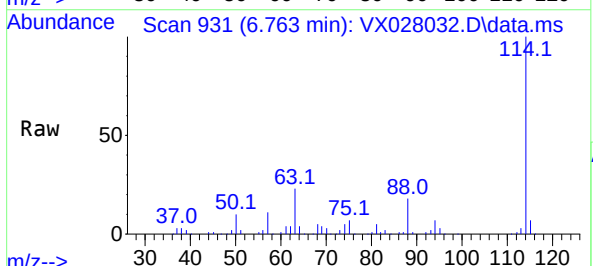
Instrument :
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MW-20

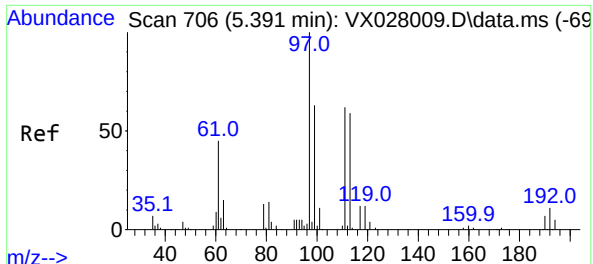
Tgt Ion: 65 Resp: 70441
Ion Ratio Lower Upper
65 100
67 47.9 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

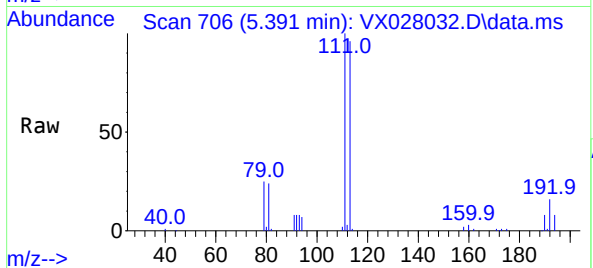
Tgt Ion: 114 Resp: 139788
Ion Ratio Lower Upper
114 100
63 23.0 0.0 36.8
88 17.6 0.0 32.4



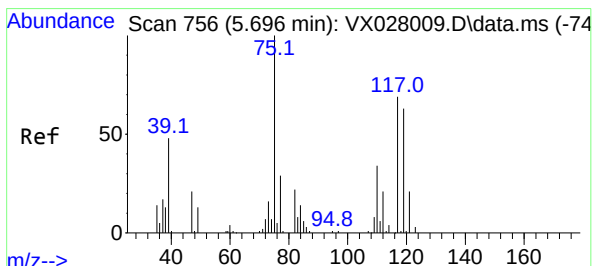
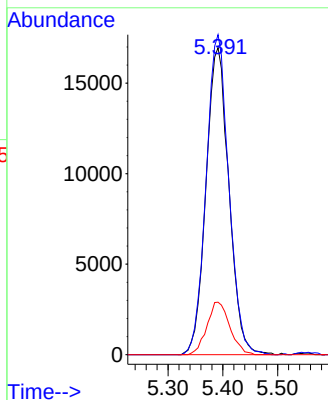
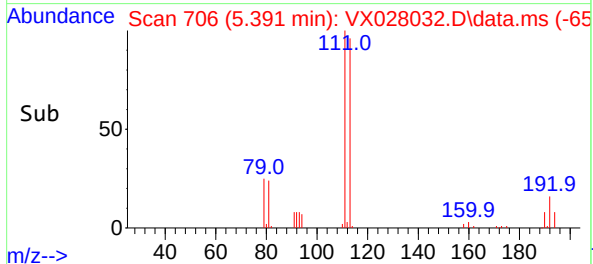


#35
Dibromofluoromethane
Concen: 52.401 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

Instrument :
MSVOA_X
ClientSampleId :
MW-20

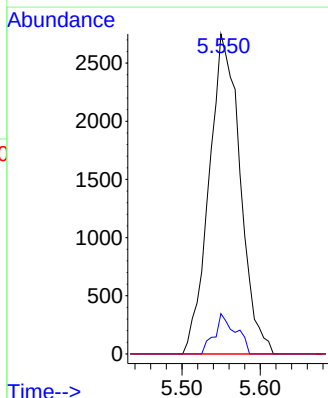
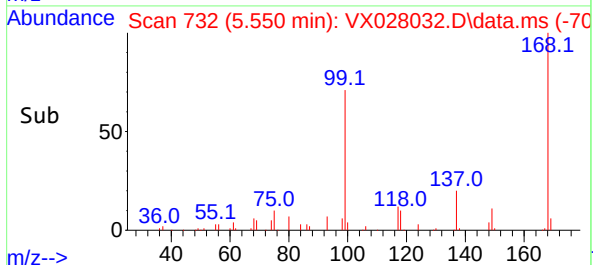
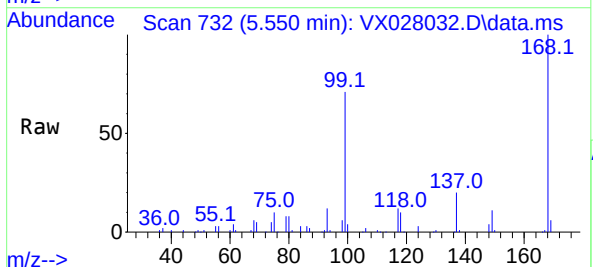


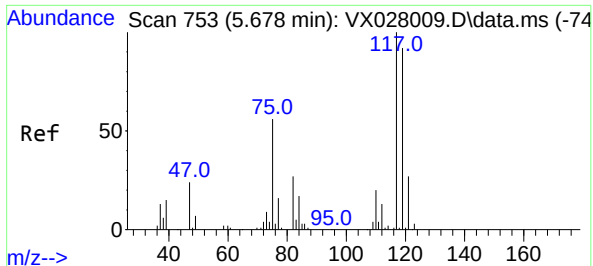
Tgt Ion:113 Resp: 49169
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 17.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.485 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

Tgt Ion: 75 Resp: 7568
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 24.8 37.2#

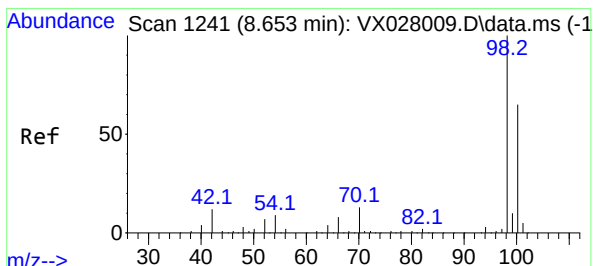
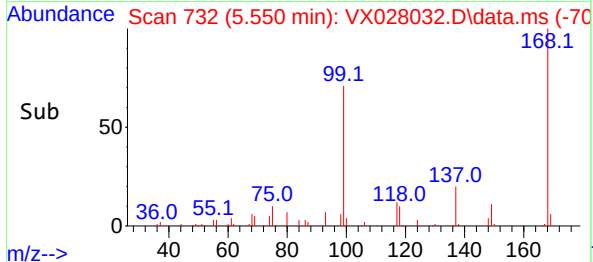
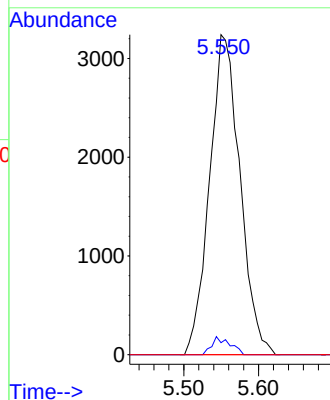
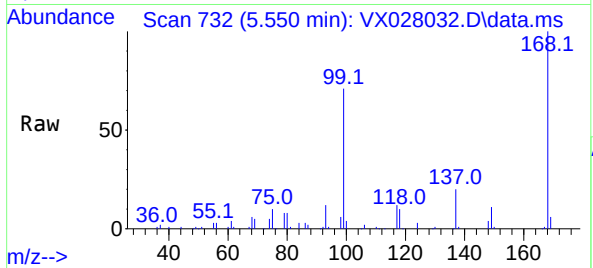




#38
Carbon Tetrachloride
Concen: 6.133 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

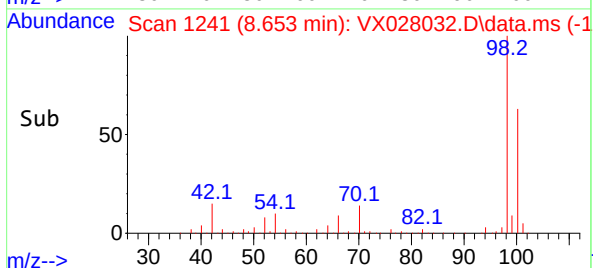
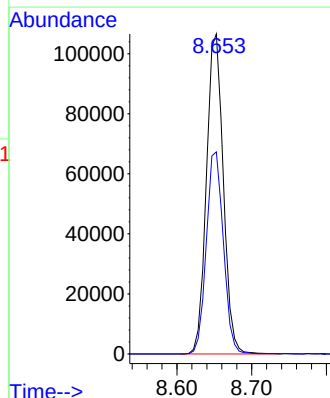
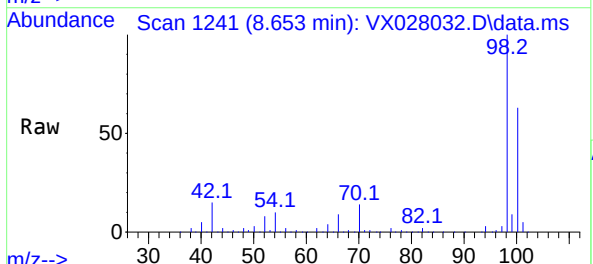
Instrument :
MSVOA_X
ClientSampleId :
MW-20

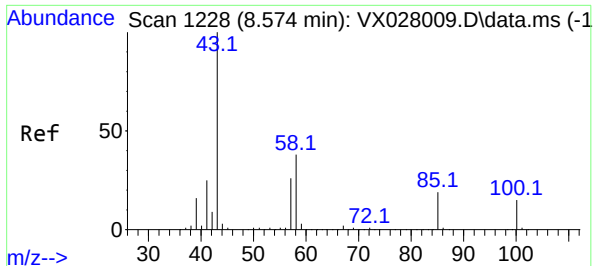
Tgt Ion:117 Resp: 9159
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.907 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

Tgt Ion: 98 Resp: 167088
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.597 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX028032.D

Acq: 08 Apr 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

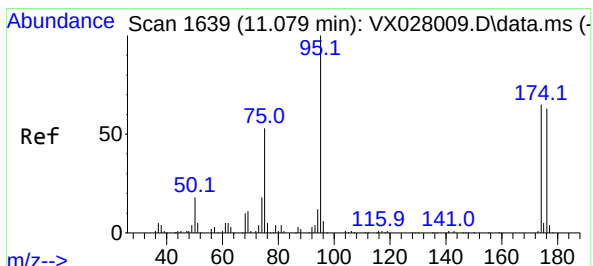
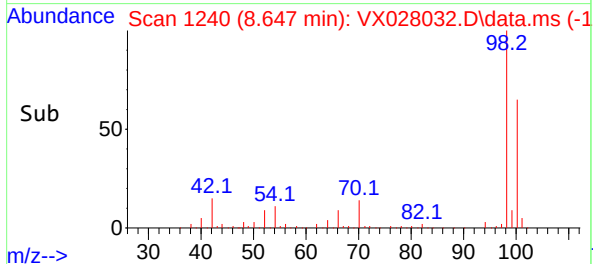
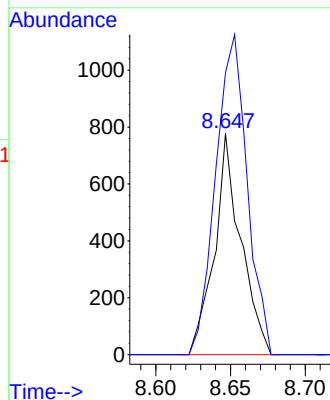
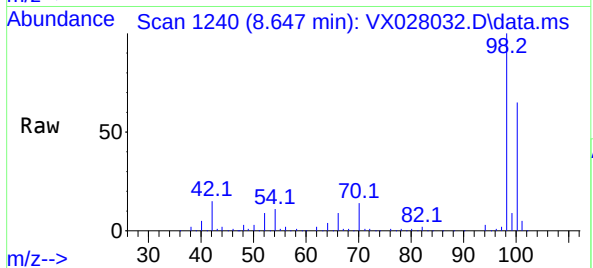
MW-20

Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

43 100

58 173.2 36.1 54.1#



#62

4-Bromofluorobenzene

Concen: 47.512 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX028032.D

Acq: 08 Apr 2022 17:07

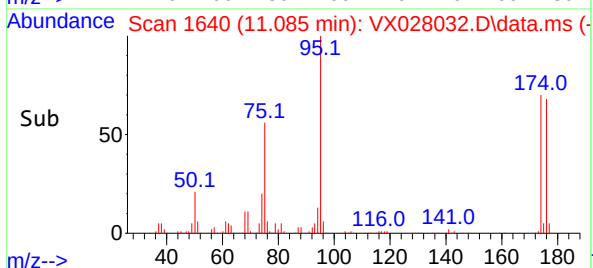
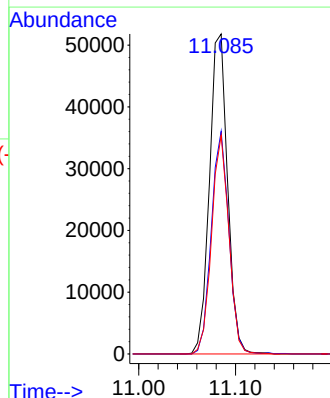
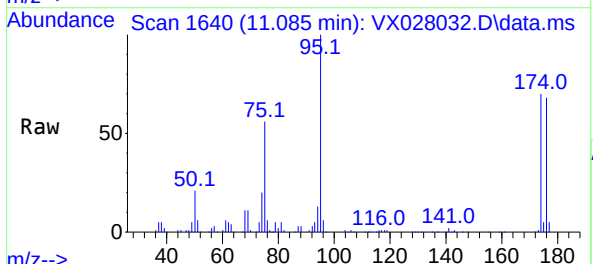
Tgt Ion: 95 Resp: 67621

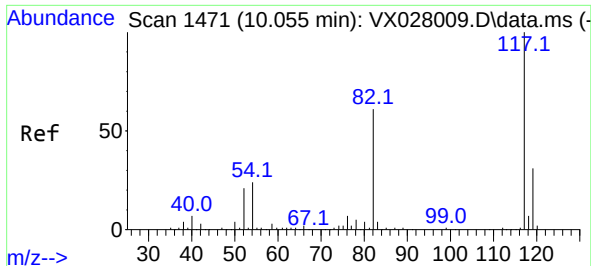
Ion Ratio Lower Upper

95 100

174 67.3 0.0 163.0

176 65.1 0.0 155.0

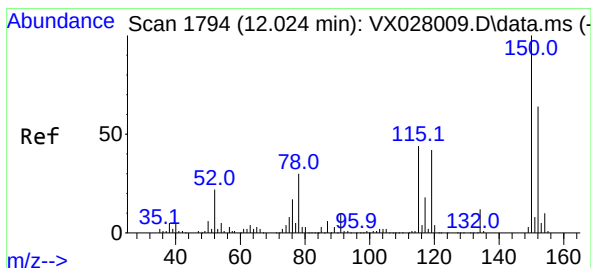
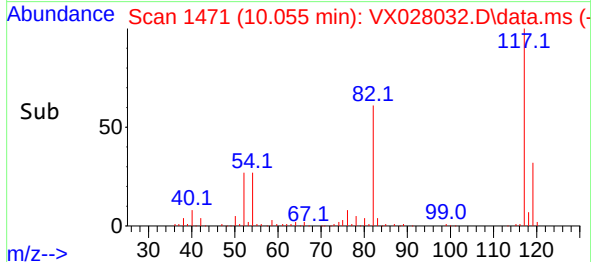
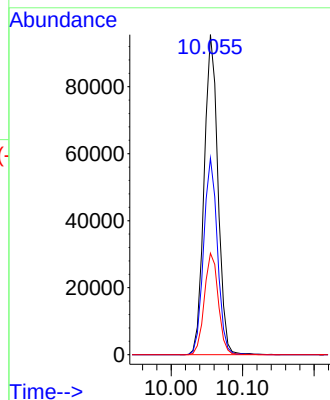
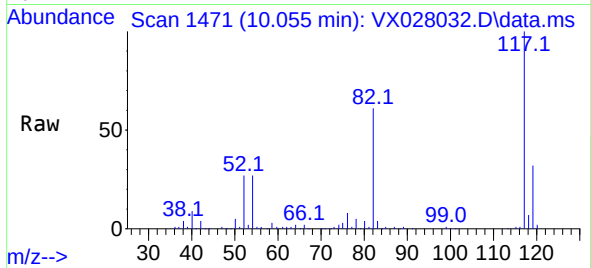




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

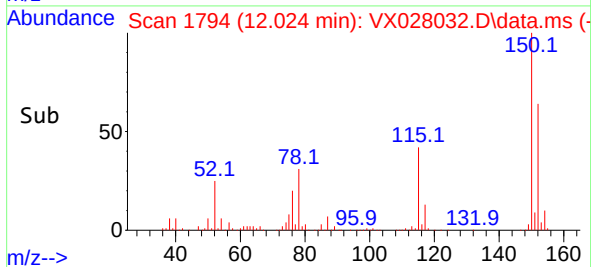
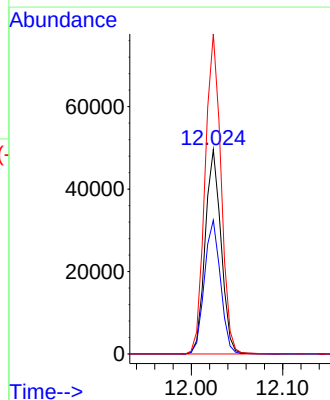
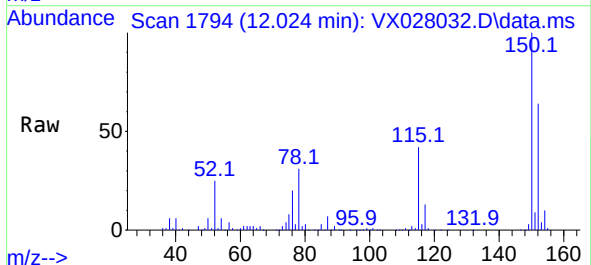
Instrument :
MSVOA_X
ClientSampleId :
MW-20

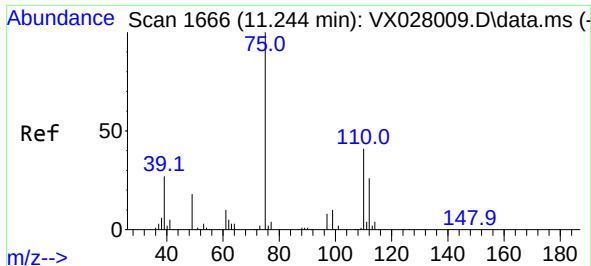
Tgt Ion:117 Resp: 127958
Ion Ratio Lower Upper
117 100
82 61.4 41.8 62.8
119 31.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

Tgt Ion:152 Resp: 59599
Ion Ratio Lower Upper
152 100
115 66.3 37.5 112.7
150 157.7 0.0 338.2

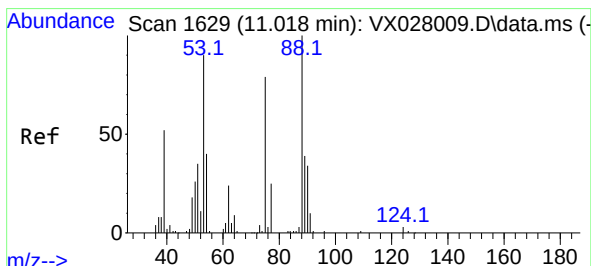
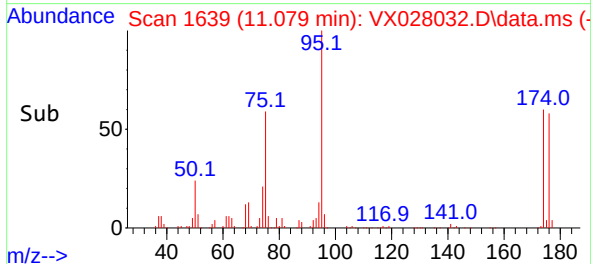
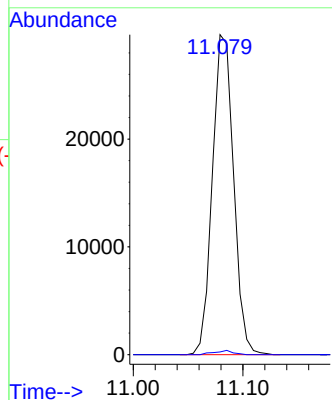
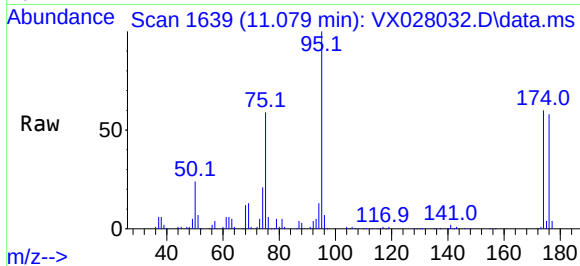




#76
1,2,3-Trichloropropane
Concen: 27.303 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

Instrument :
MSVOA_X
ClientSampleId :
MW-20

Tgt Ion: 75 Resp: 39916
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.267 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028032.D
Acq: 08 Apr 2022 17:07

Tgt Ion: 75 Resp: 39916
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

