

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021122\
 Data File : VX026975.D
 Acq On : 11 Feb 2022 18:24
 Operator : JC/MD
 Sample : N1467-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1DD

Quant Time: Feb 12 04:33:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

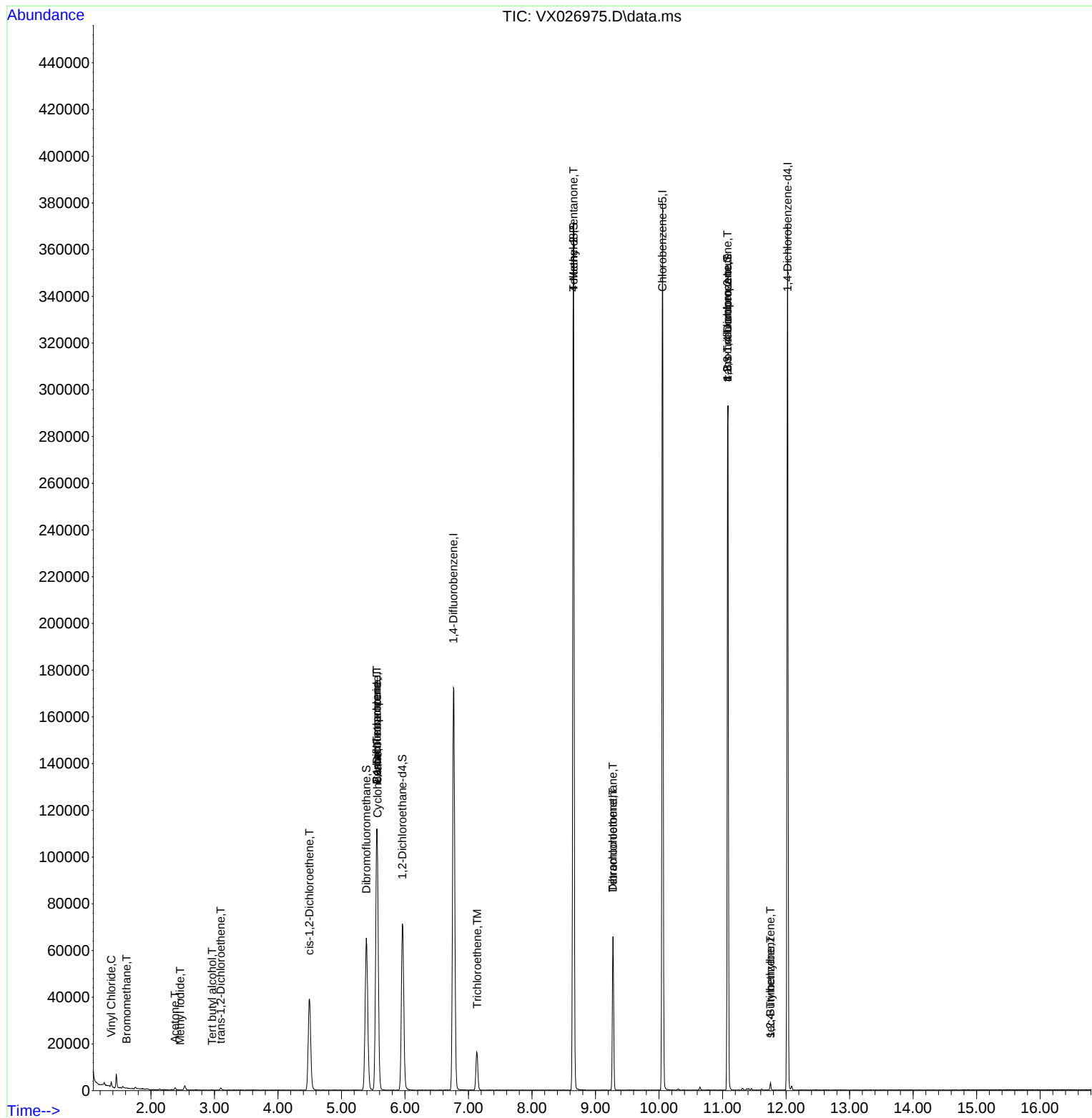
Internal Standards						
1) Pentafluorobenzene	5.556	168	106837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	179466	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	168693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70151	54.700	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.400%	
35) Dibromofluoromethane	5.391	113	56653	52.985	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.980%	
50) Toluene-d8	8.653	98	213146	54.307	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.620%	
62) 4-Bromofluorobenzene	11.079	95	80818	58.488	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.980%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	968	0.856	ug/l	98
5) Bromomethane	1.618	94	99	0.206	ug/l	90
6) Chloroethane	1.703	64	21	Below Cal	#	43
10) Methyl Iodide	2.459	142	19	2.266	ug/l #	37
11) Tert butyl alcohol	2.965	59	131	0.565	ug/l #	75
16) Acetone	2.380	43	1148	2.038	ug/l	90
21) trans-1,2-Dichloroethene	3.099	96	336	0.292	ug/l #	70
27) cis-1,2-Dichloroethene	4.495	96	25340	19.182	ug/l	88
31) Cyclohexane	5.568	56	2123	1.042	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	8265	4.900	ug/l #	51
38) Carbon Tetrachloride	5.556	117	10971	6.202	ug/l #	18
44) Trichloroethene	7.135	130	6594	4.467	ug/l	96
51) 4-Methyl-2-Pentanone	8.653	43	962	0.538	ug/l #	1
60) Dibromochloromethane	9.275	129	11914	9.827	ug/l #	11
64) Tetrachloroethene	9.275	164	12452	7.349	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	40393	24.858	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	40393	75.843	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	1686	0.347	ug/l	94
85) sec-Butylbenzene	11.756	105	1686	0.290	ug/l #	56

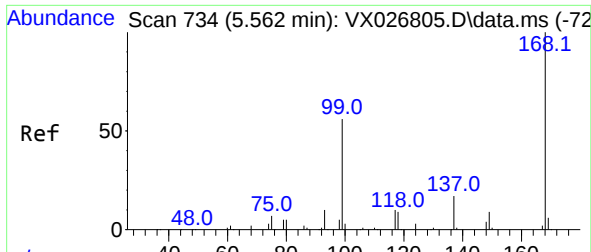
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

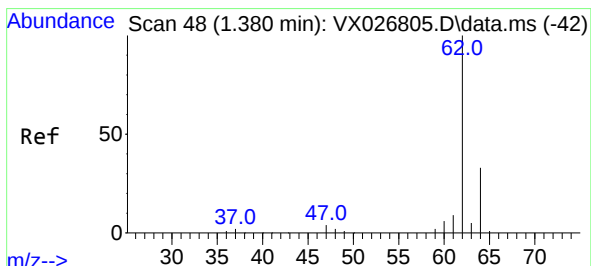
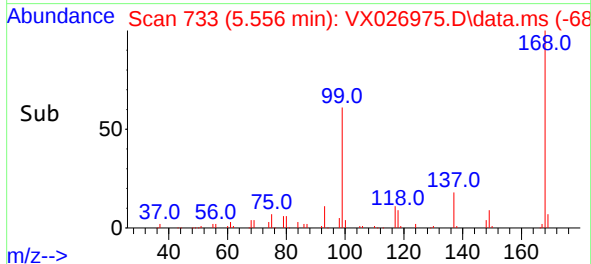
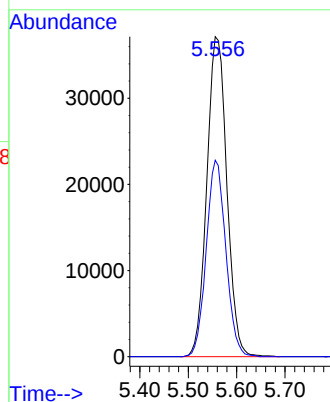
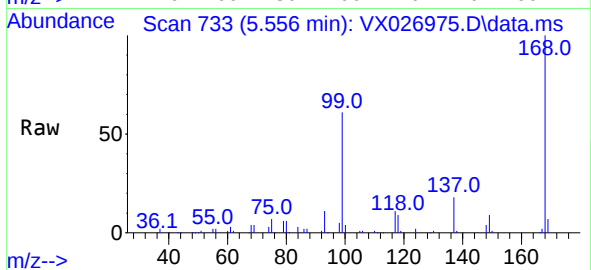




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

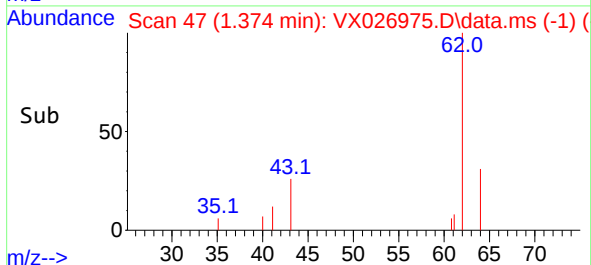
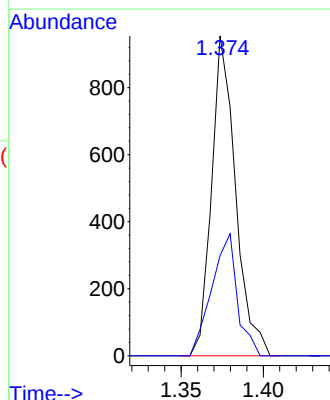
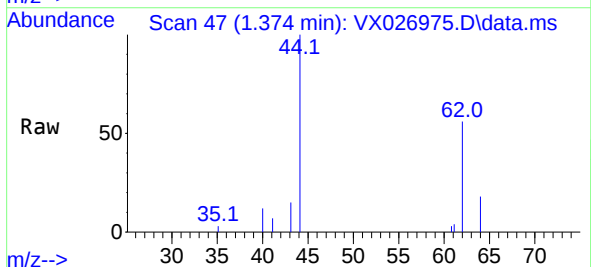
Instrument :
MSVOA_X
ClientSampleId :
MW-1DD

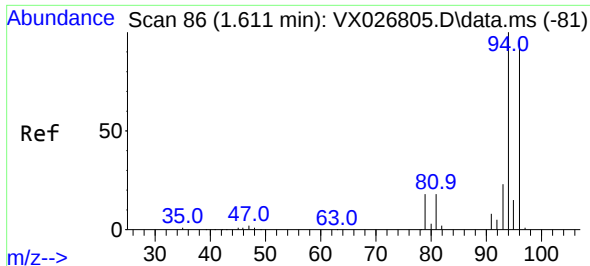
Tgt Ion:168 Resp: 106837
Ion Ratio Lower Upper
168 100
99 61.4 50.3 75.5



#4
Vinyl Chloride
Concen: 0.856 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.006 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

Tgt Ion: 62 Resp: 968
Ion Ratio Lower Upper
62 100
64 31.3 26.2 39.2

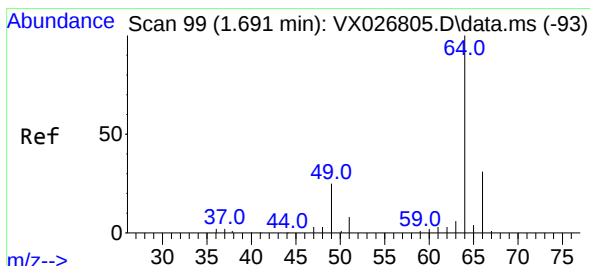
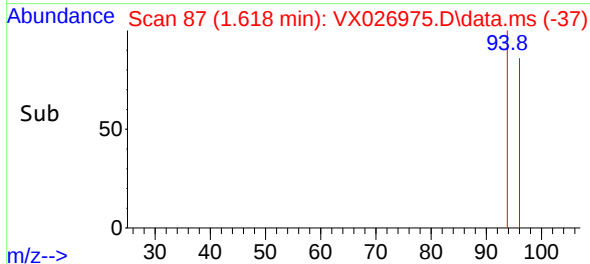
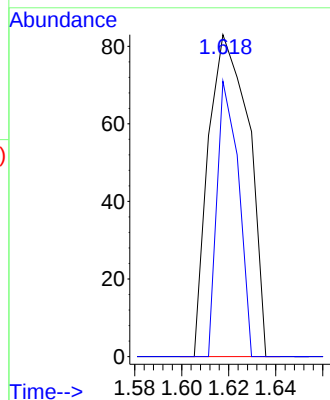
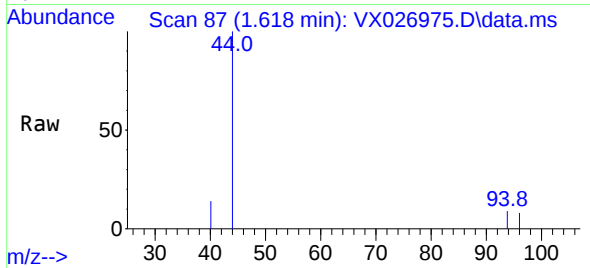




#5
Bromomethane
Concen: 0.206 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

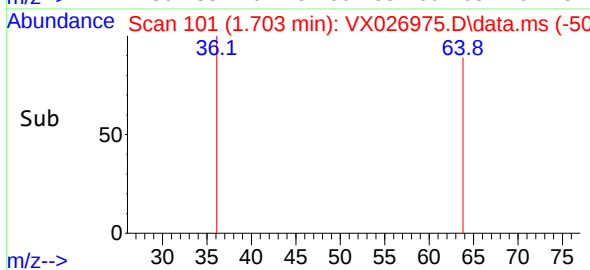
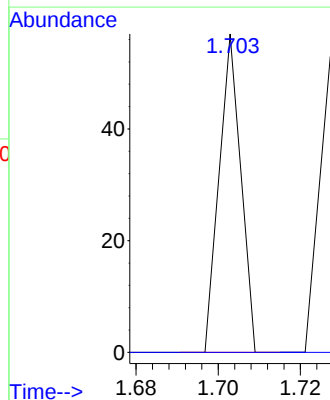
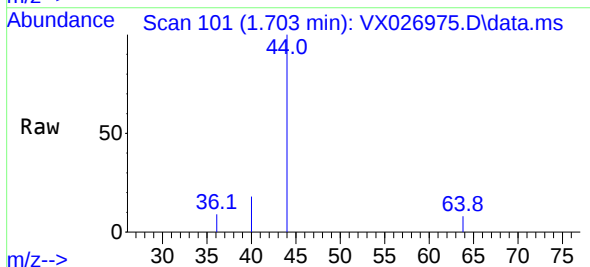
Instrument :
MSVOA_X
ClientSampleId :
MW-1DD

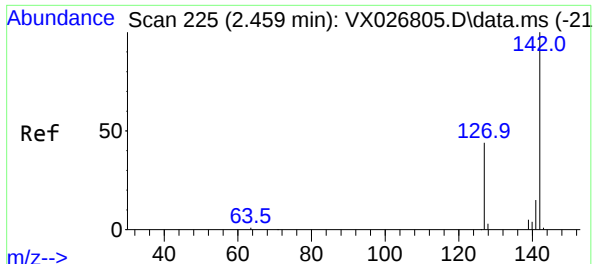
Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 85.5 75.9 113.9



#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.012 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

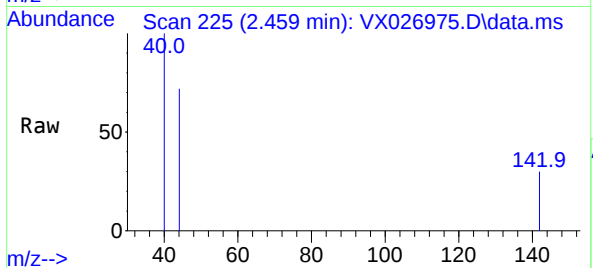
Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



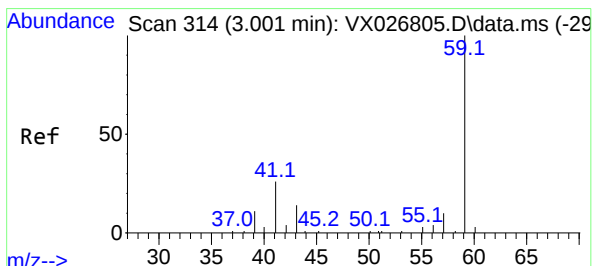
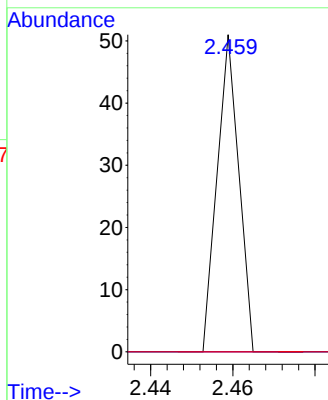
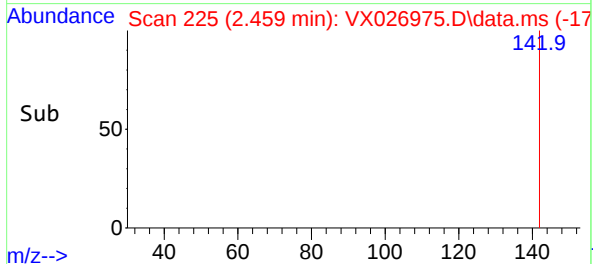


#10
Methyl Iodide
Concen: 2.266 ug/l
RT: 2.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

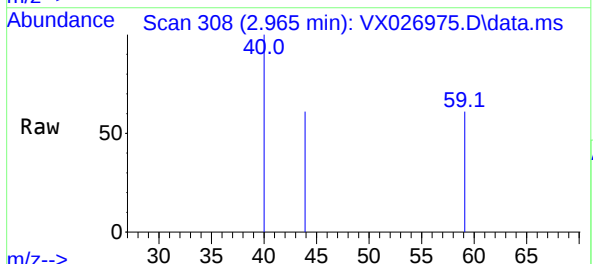
Instrument :
MSVOA_X
ClientSampleId :
MW-1DD



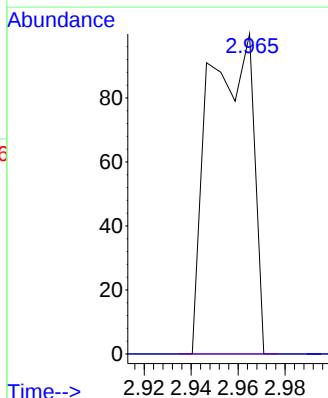
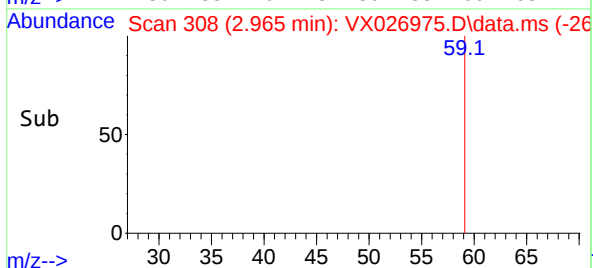
Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#

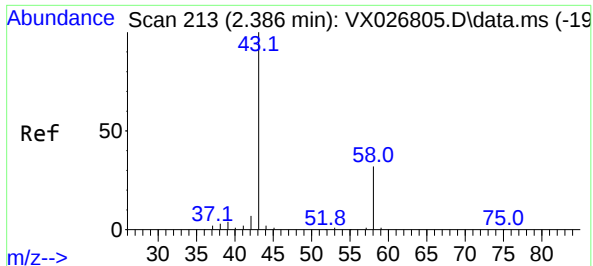


#11
Tert butyl alcohol
Concen: 0.565 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.036 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24



Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

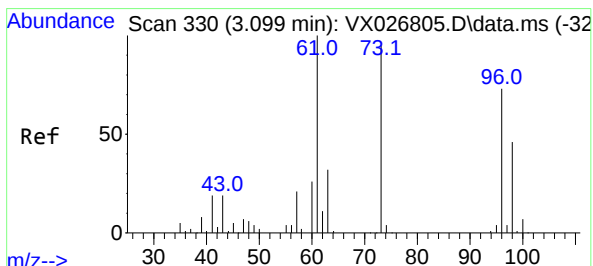
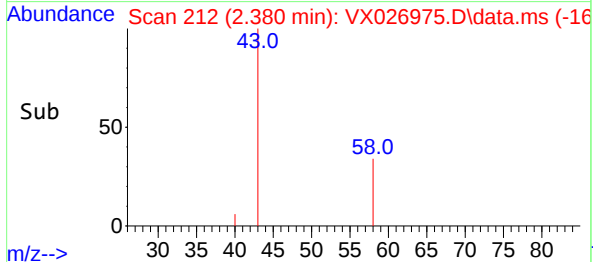
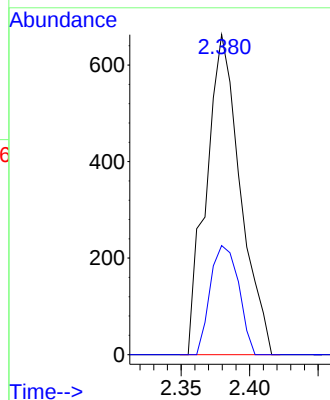
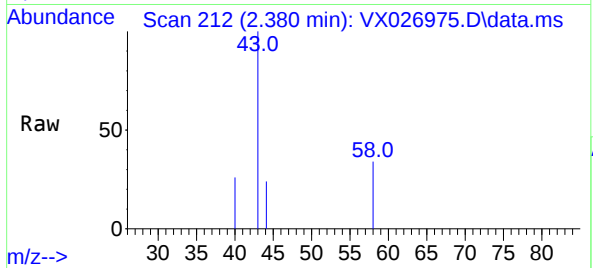




#16
Acetone
Concen: 2.038 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

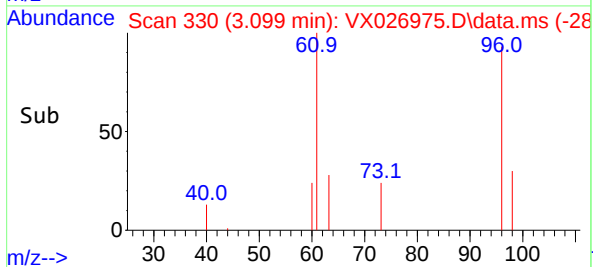
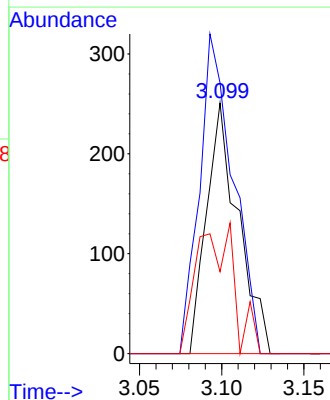
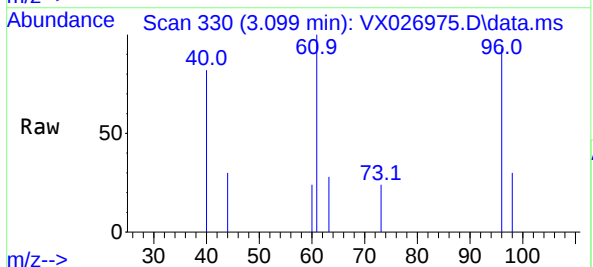
Instrument :
MSVOA_X
ClientSampleId :
MW-1DD

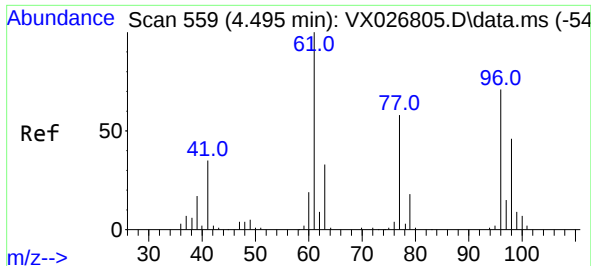
Tgt Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
58 34.1 23.0 34.6



#21
trans-1,2-Dichloroethene
Concen: 0.292 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.000 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

Tgt Ion: 96 Resp: 336
Ion Ratio Lower Upper
96 100
61 108.0 112.9 169.3#
98 32.7 49.5 74.3#





#27

cis-1,2-Dichloroethene

Concen: 19.182 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX026975.D

Acq: 11 Feb 2022 18:24

Instrument :

MSVOA_X

ClientSampleId :

MW-1DD

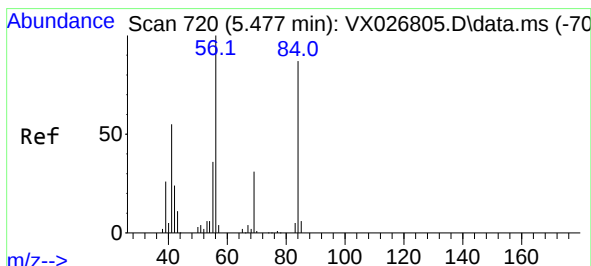
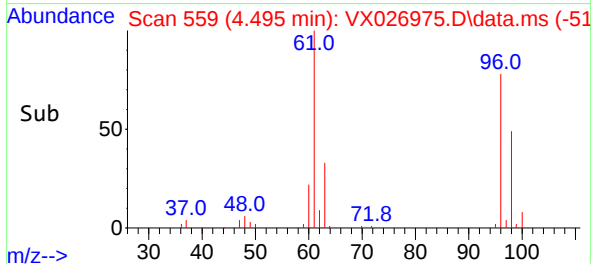
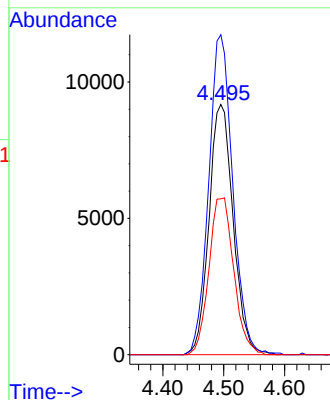
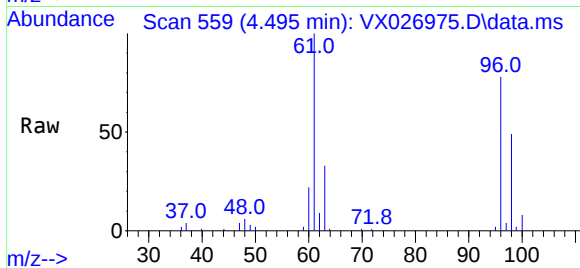
Tgt Ion: 96 Resp: 25340

Ion Ratio Lower Upper

96 100

61 127.1 0.0 296.6

98 64.4 0.0 128.8



#31

Cyclohexane

Concen: 1.042 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.092 min

Lab File: VX026975.D

Acq: 11 Feb 2022 18:24

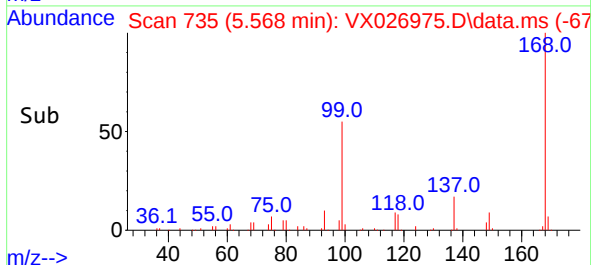
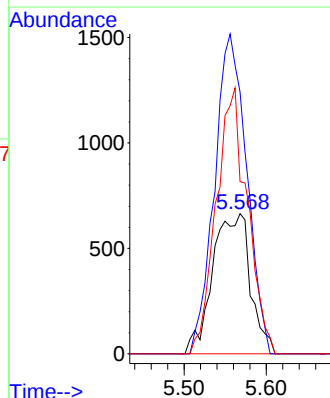
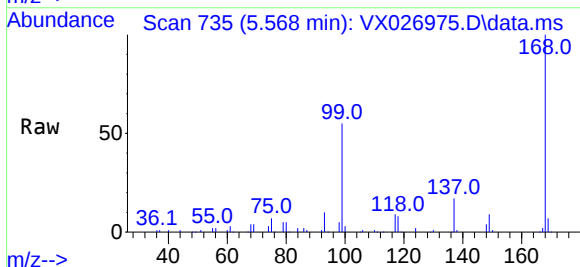
Tgt Ion: 56 Resp: 2123

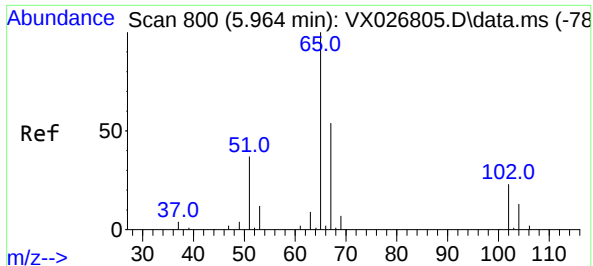
Ion Ratio Lower Upper

56 100

69 186.8 25.8 38.6#

84 122.9 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 54.700 ug/l

RT: 5.958 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX026975.D

Acq: 11 Feb 2022 18:24

Instrument :

MSVOA_X

ClientSampleId :

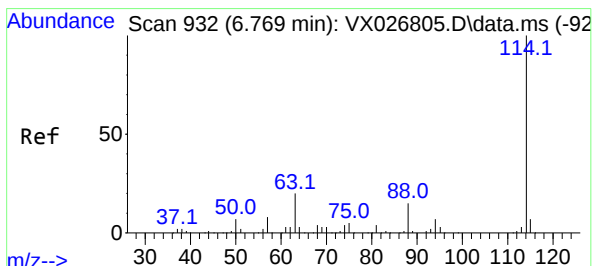
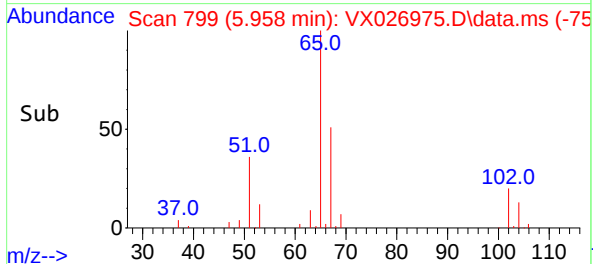
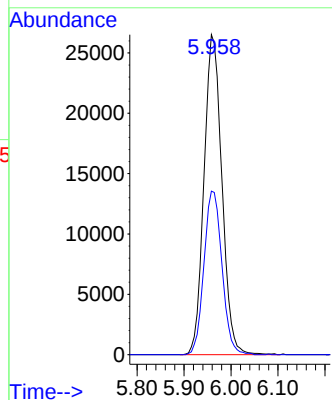
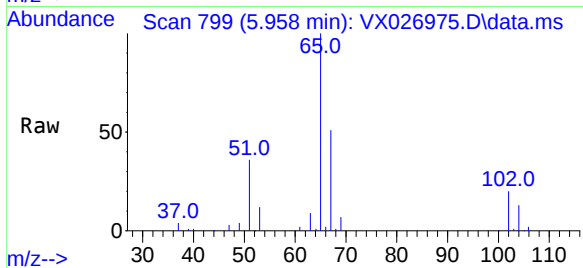
MW-1DD

Tgt Ion: 65 Resp: 70151

Ion Ratio Lower Upper

65 100

67 51.4 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX026975.D

Acq: 11 Feb 2022 18:24

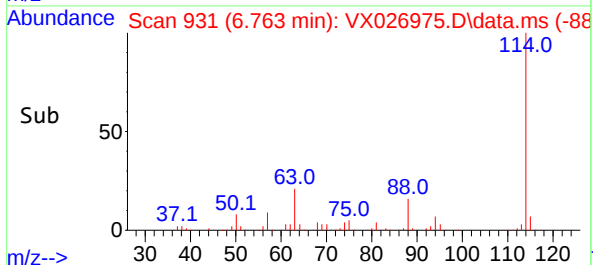
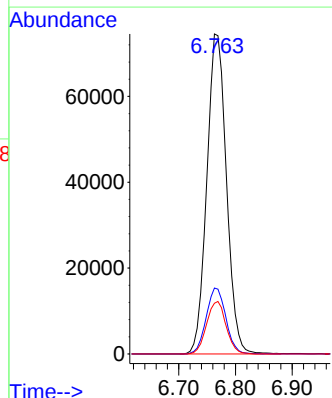
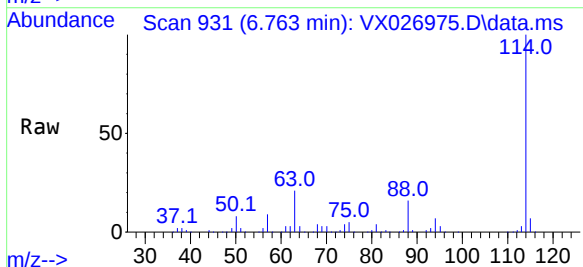
Tgt Ion: 114 Resp: 179466

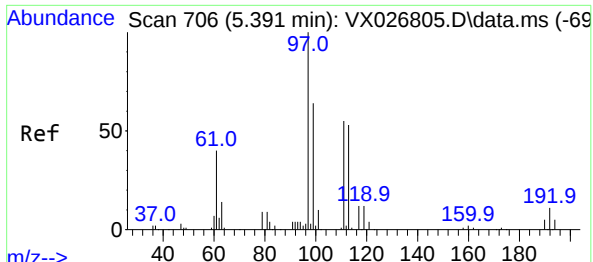
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.8

88 15.8 0.0 33.0

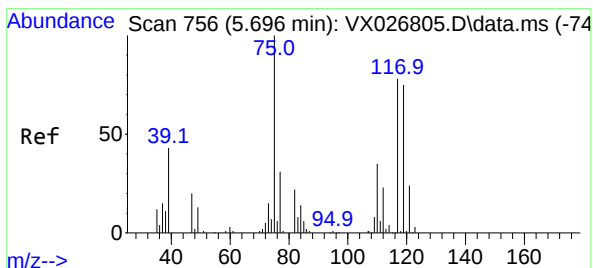
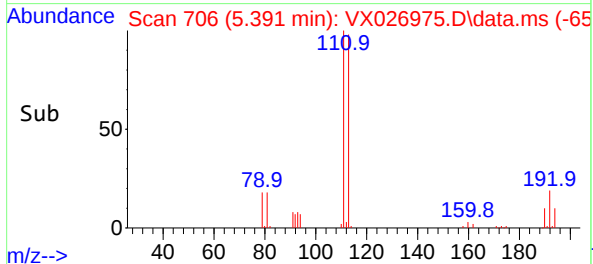
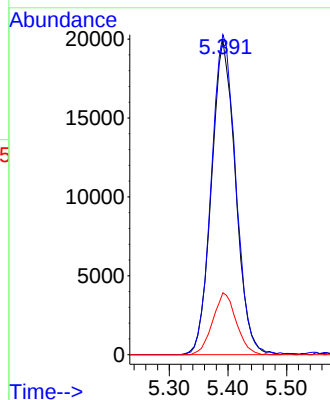
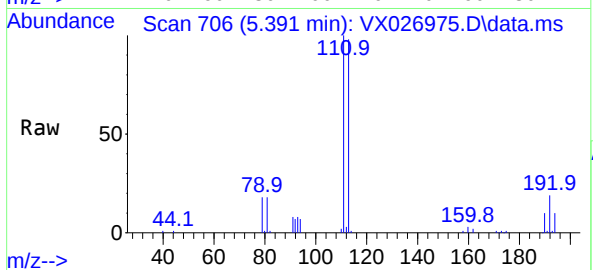




#35
Dibromofluoromethane
Concen: 52.985 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

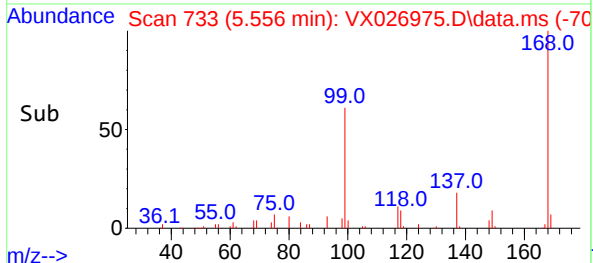
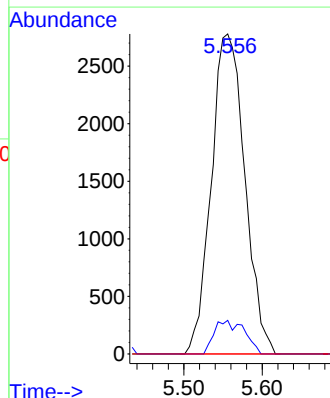
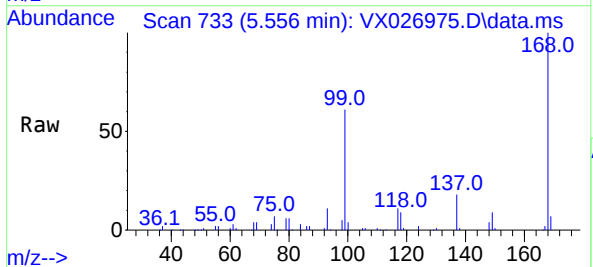
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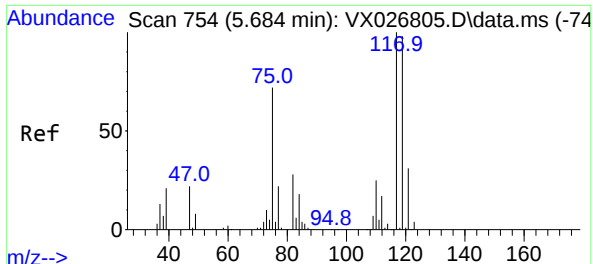
Tgt Ion:113 Resp: 56653
Ion Ratio Lower Upper
113 100
111 103.8 81.2 121.8
192 19.2 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.900 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

Tgt Ion: 75 Resp: 8265
Ion Ratio Lower Upper
75 100
110 9.5 17.2 51.6#
77 0.0 24.6 36.8#

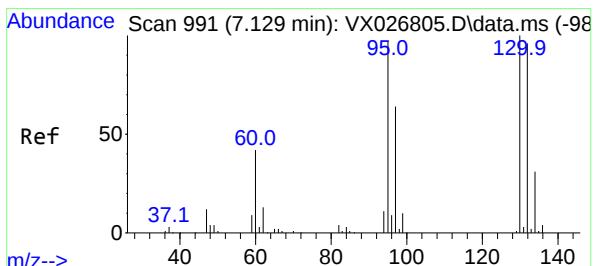
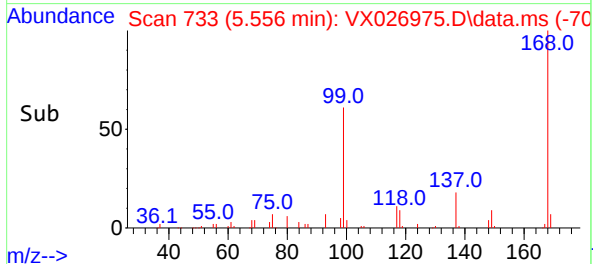
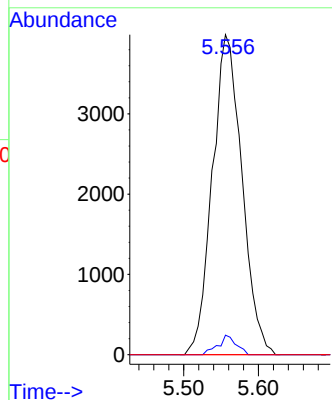
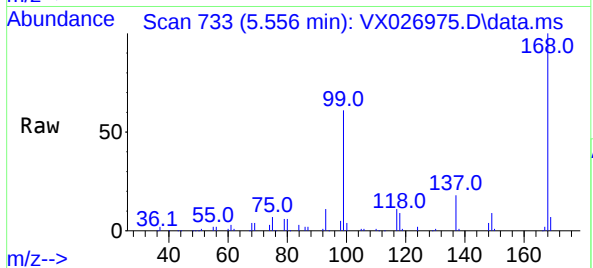




#38
Carbon Tetrachloride
Concen: 6.202 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

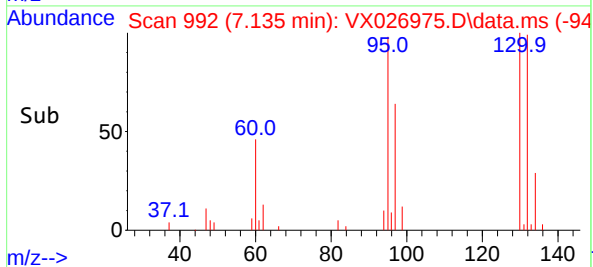
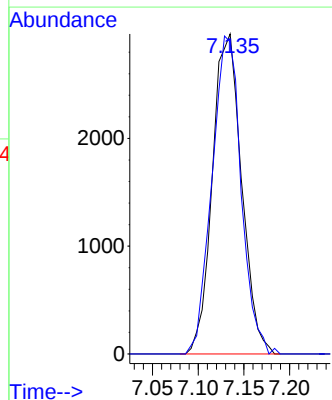
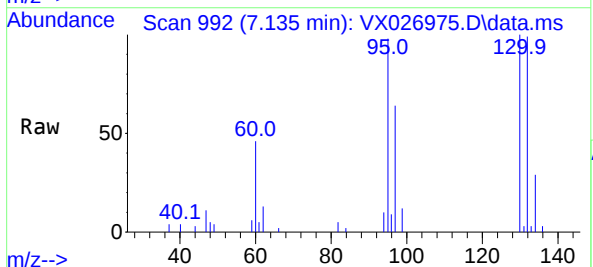
Instrument :
MSVOA_X
ClientSampleId :
MW-1DD

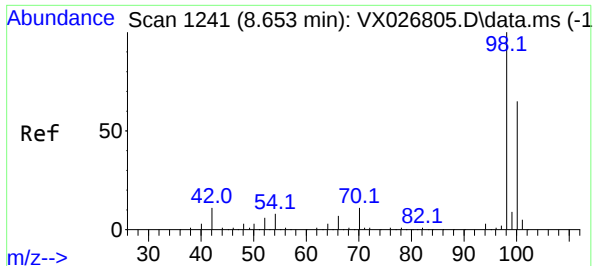
Tgt Ion:117 Resp: 10971
Ion Ratio Lower Upper
117 100
119 6.1 74.7 112.1#
121 0.0 25.4 38.0#



#44
Trichloroethene
Concen: 4.467 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

Tgt Ion:130 Resp: 6594
Ion Ratio Lower Upper
130 100
95 97.5 0.0 202.6





#50

Toluene-d8

Concen: 54.307 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX026975.D

Acq: 11 Feb 2022 18:24

Instrument :

MSVOA_X

ClientSampleId :

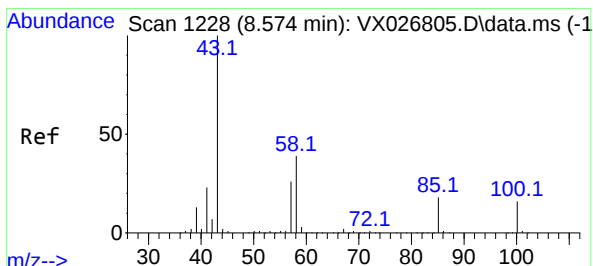
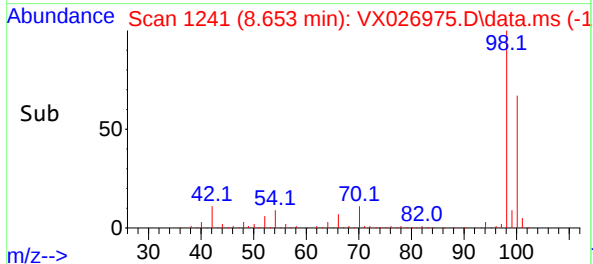
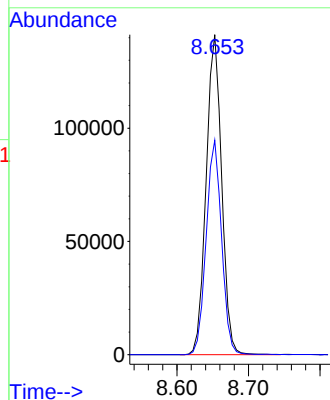
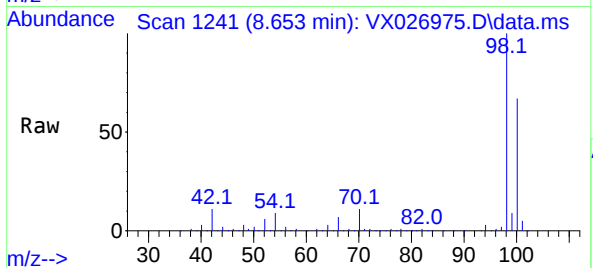
MW-1DD

Tgt Ion: 98 Resp: 213146

Ion Ratio Lower Upper

98 100

100 66.6 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 0.538 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX026975.D

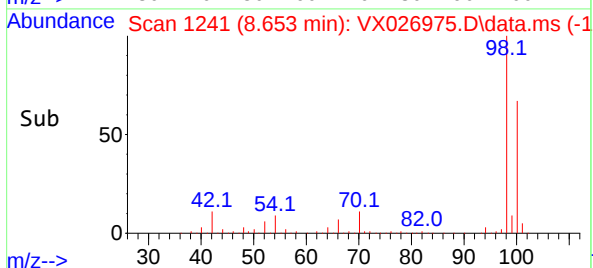
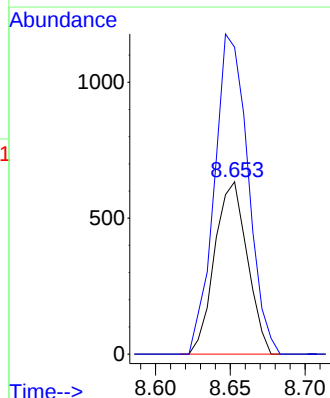
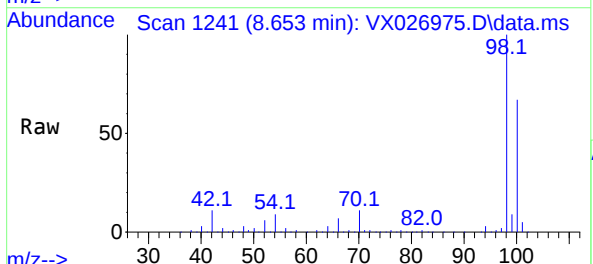
Acq: 11 Feb 2022 18:24

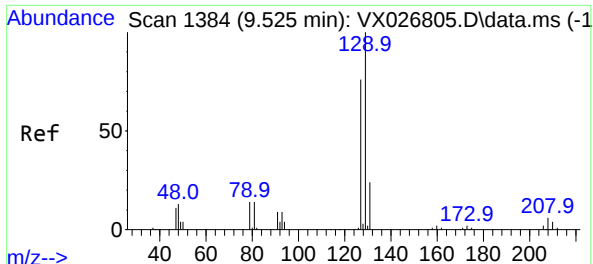
Tgt Ion: 43 Resp: 962

Ion Ratio Lower Upper

43 100

58 191.5 30.5 45.7#





#60

Dibromochloromethane

Concen: 9.827 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX026975.D

Acq: 11 Feb 2022 18:24

Instrument :

MSVOA_X

ClientSampleId :

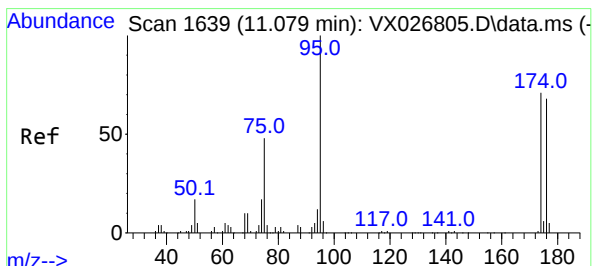
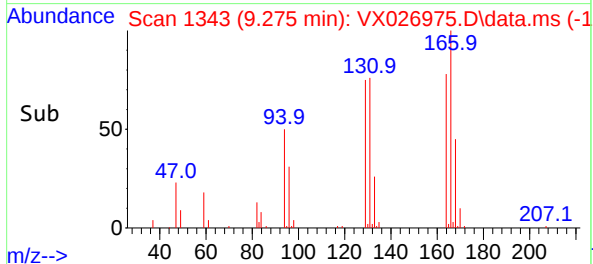
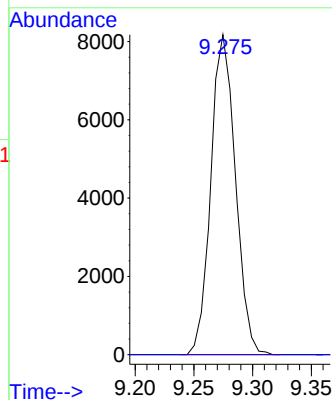
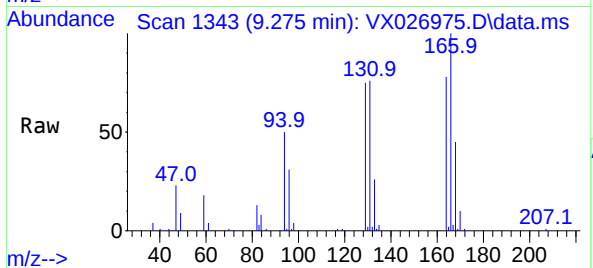
MW-1DD

Tgt Ion:129 Resp: 11914

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



#62

4-Bromofluorobenzene

Concen: 58.488 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026975.D

Acq: 11 Feb 2022 18:24

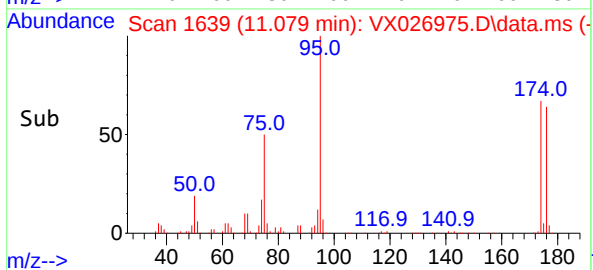
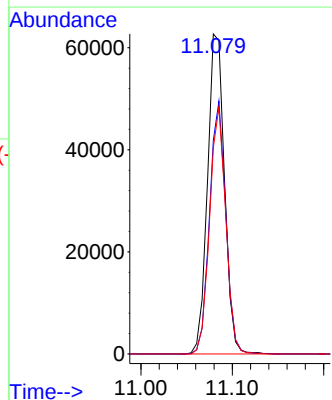
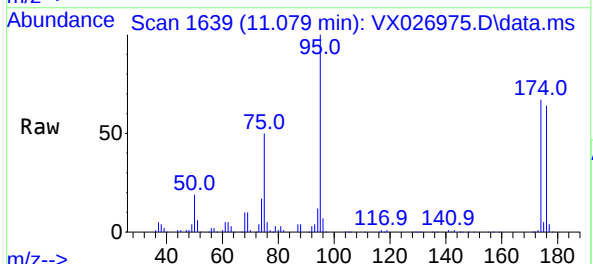
Tgt Ion: 95 Resp: 80818

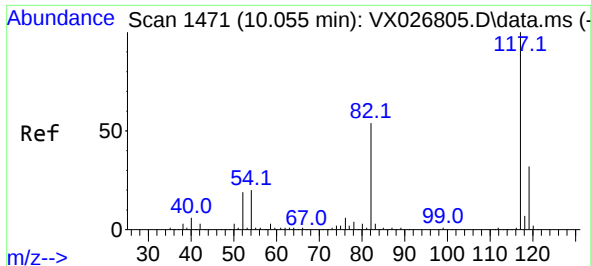
Ion Ratio Lower Upper

95 100

174 75.3 0.0 148.6

176 73.1 0.0 141.4

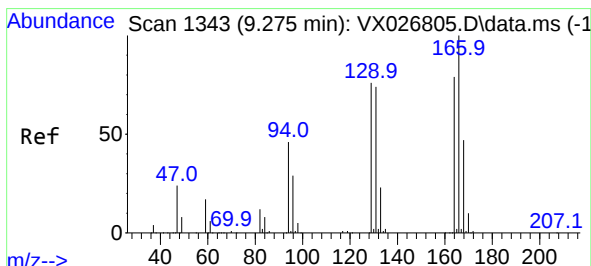
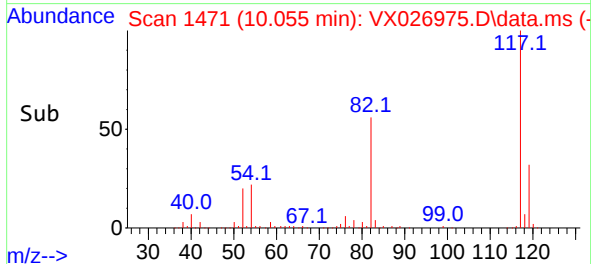
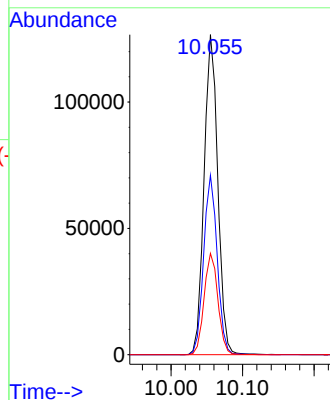
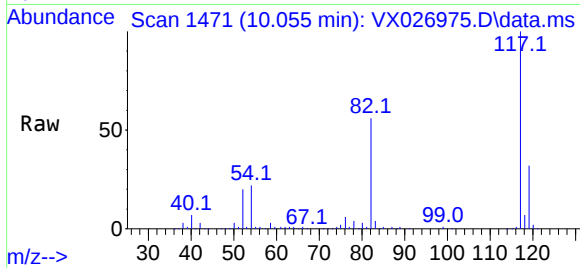




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

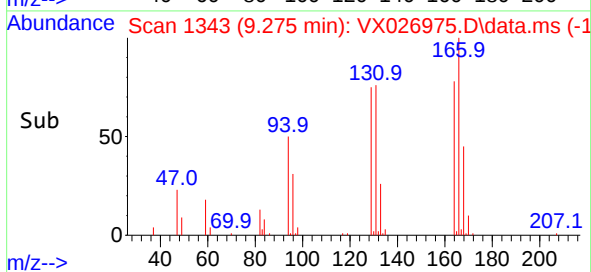
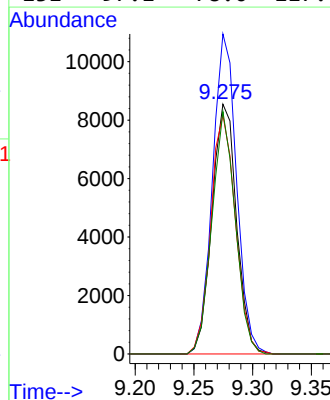
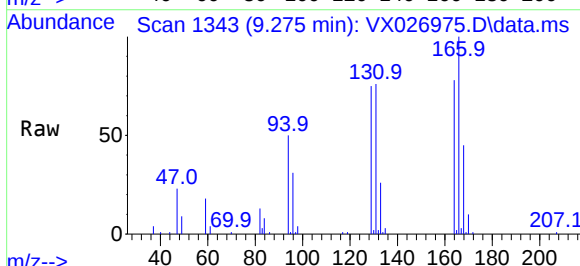
Instrument :
MSVOA_X
ClientSampleId :
MW-1DD

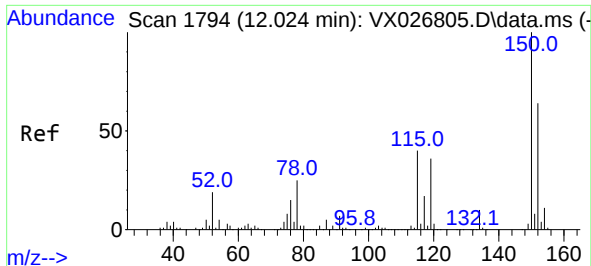
Tgt Ion:117 Resp: 168693
Ion Ratio Lower Upper
117 100
82 56.1 45.2 67.8
119 31.6 26.2 39.2



#64
Tetrachloroethene
Concen: 7.349 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

Tgt Ion:164 Resp: 12452
Ion Ratio Lower Upper
164 100
166 128.1 101.8 152.6
129 95.7 83.3 124.9
131 97.1 78.0 117.0

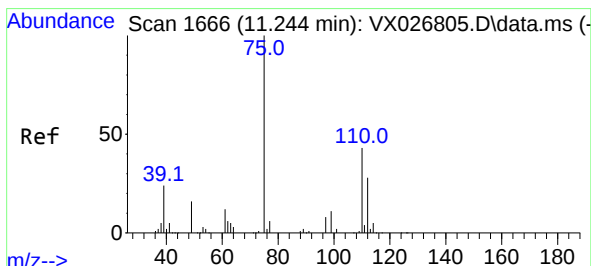
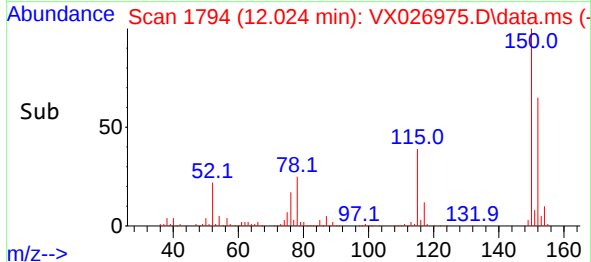
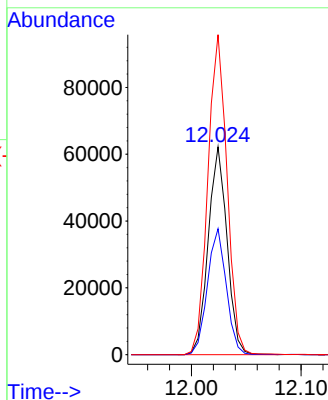
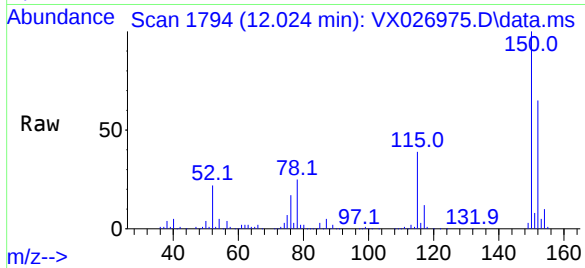




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

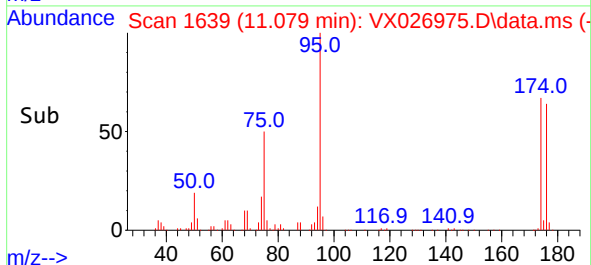
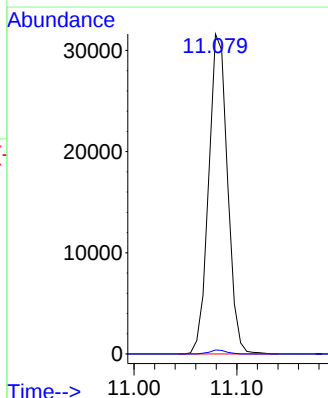
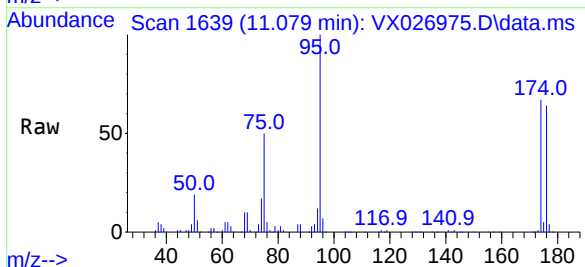
Instrument :
MSVOA_X
ClientSampleId :
MW-1DD

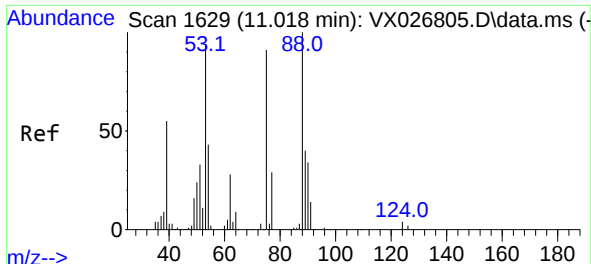
Tgt Ion:152 Resp: 74230
Ion Ratio Lower Upper
152 100
115 60.8 44.2 132.6
150 156.8 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 24.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

Tgt Ion: 75 Resp: 40393
Ion Ratio Lower Upper
75 100
77 1.1 18.3 54.8#

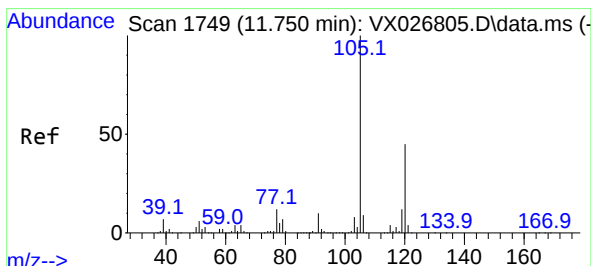
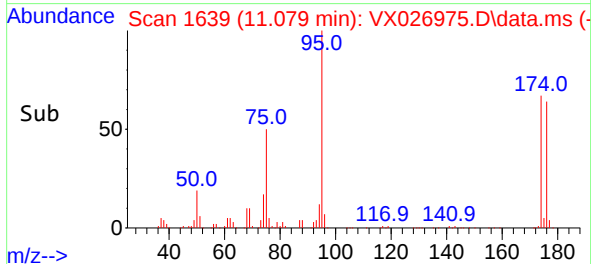
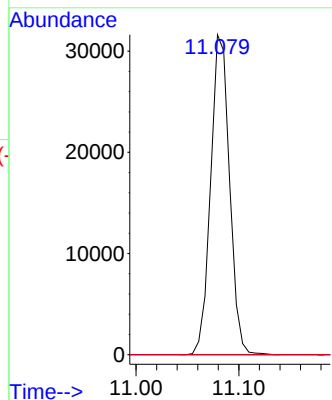
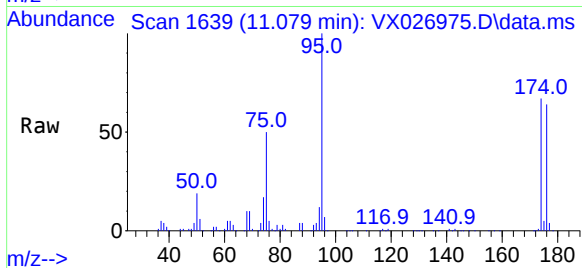




#81
trans-1,4-Dichloro-2-butene
Concen: 75.843 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

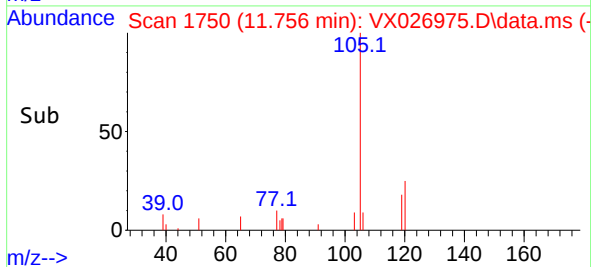
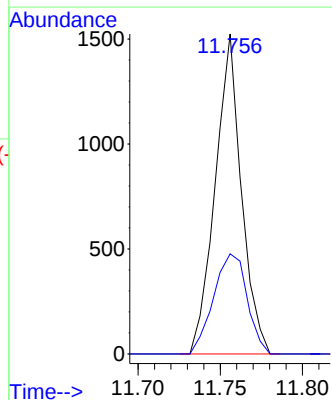
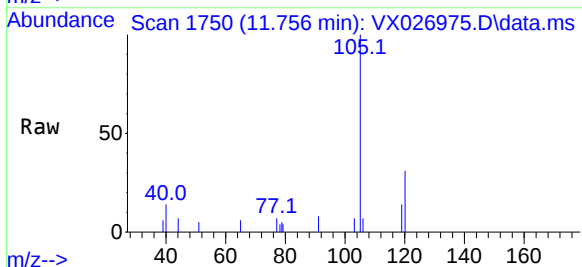
Instrument :
MSVOA_X
ClientSampleId :
MW-1DD

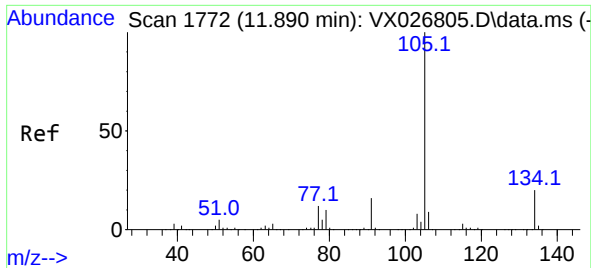
Tgt Ion: 75 Resp: 40393
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.347 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

Tgt Ion: 105 Resp: 1686
Ion Ratio Lower Upper
105 100
120 40.1 21.9 65.5





#85
sec-Butylbenzene
Concen: 0.290 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.134 min
Lab File: VX026975.D
Acq: 11 Feb 2022 18:24

Instrument :
MSVOA_X
ClientSampleId :
MW-1DD

Tgt Ion:105 Resp: 1686
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#

