

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021022\
 Data File : VX026950.D
 Acq On : 11 Feb 2022 03:54
 Operator : JC/MD
 Sample : N1467-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-23D

Quant Time: Feb 11 07:35:26 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

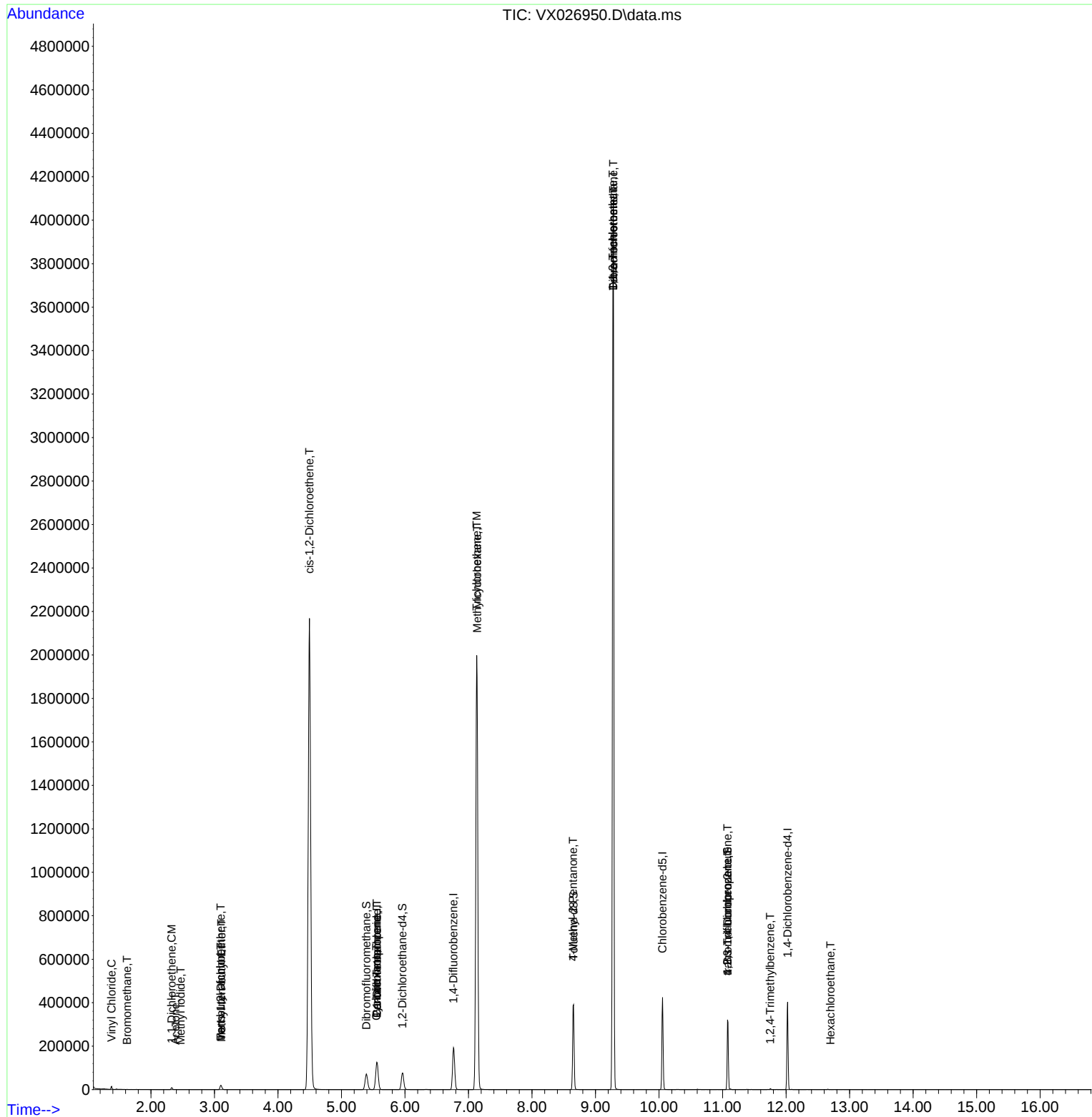
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	119163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	200300	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76755	53.659	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.320%	
35) Dibromofluoromethane	5.391	113	62813	52.636	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.280%	
50) Toluene-d8	8.653	98	235599	53.784	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.560%	
62) 4-Bromofluorobenzene	11.079	95	89750	58.196	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.400%	
Target Compounds						Qvalue
4) Vinyl Chloride	1.380	62	8595	6.812	ug/l	97
5) Bromomethane	1.624	94	146	0.273	ug/l	82
10) Methyl Iodide	2.465	142	99	2.310	ug/l #	37
11) Tert butyl alcohol	3.099	59	315	1.219	ug/l #	75
12) 1,1-Dichloroethene	2.325	96	3037	2.490	ug/l	88
16) Acetone	2.386	43	681	1.084	ug/l #	83
19) Methyl tert-butyl Ether	3.111	73	3515	0.814	ug/l	99
21) trans-1,2-Dichloroethene	3.099	96	7955	6.199	ug/l	90
27) cis-1,2-Dichloroethene	4.495	96	1350483	916.549	ug/l	88
31) Cyclohexane	5.550	56	2383	1.048	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	9152	4.861	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12303	6.232	ug/l #	17
39) Methylcyclohexane	7.135	83	8890	3.851	ug/l #	1
44) Trichloroethene	7.129	130	777403	471.887	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	1070	0.536	ug/l #	1
55) 1,1,2-Trichloroethane	9.275	97	7021	5.339	ug/l #	1
60) Dibromochloromethane	9.281	129	772040	570.550	ug/l #	11
64) Tetrachloroethene	9.281	164	787995	422.343	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	44980	24.780	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	44980	75.615	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.750	105	2242	0.413	ug/l	99
90) Hexachloroethane	12.701	117	226	0.284	ug/l #	14

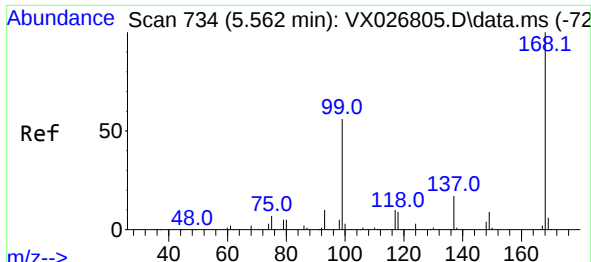
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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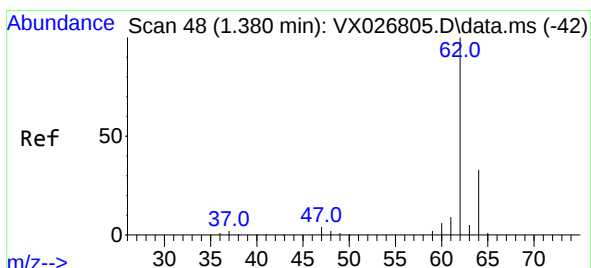
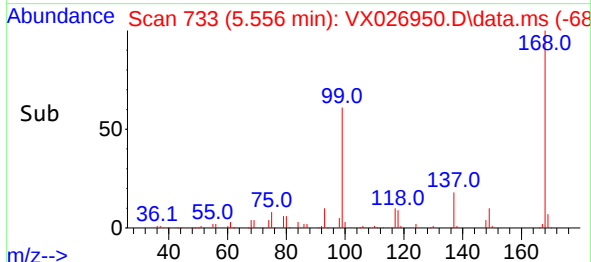
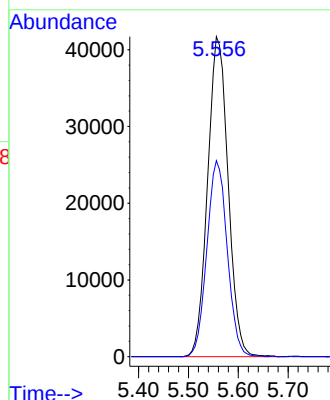
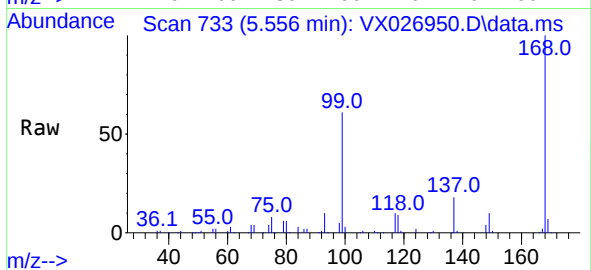




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

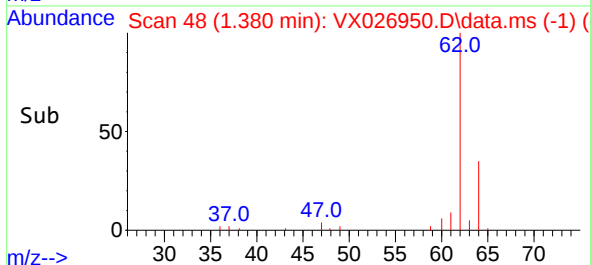
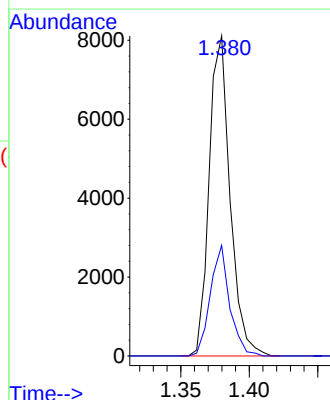
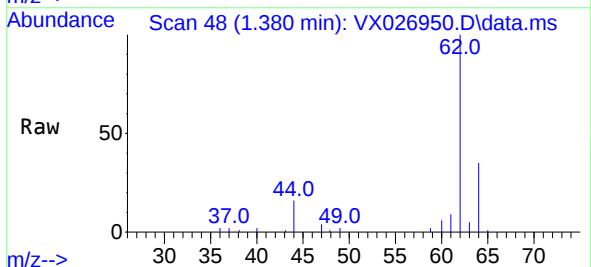
Instrument :
MSVOA_X
ClientSampleId :
MW-23D

Tgt Ion:168 Resp: 119163
Ion Ratio Lower Upper
168 100
99 61.2 50.3 75.5

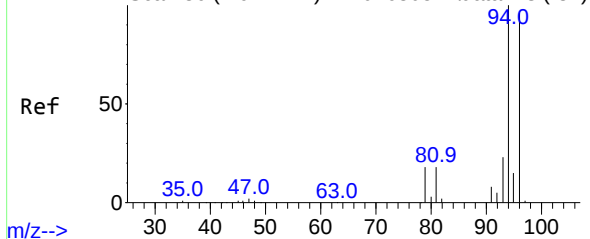


#4
Vinyl Chloride
Concen: 6.812 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Tgt Ion: 62 Resp: 8595
Ion Ratio Lower Upper
62 100
64 34.6 26.2 39.2



Abundance Scan 86 (1.611 min): VX026805.D\data.ms (-81)



#5

Bromomethane

Concen: 0.273 ug/l

RT: 1.624 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX026950.D

Acq: 11 Feb 2022 03:54

Instrument :

MSVOA_X

ClientSampleId :

MW-23D

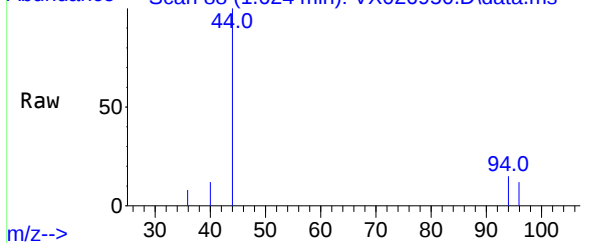
Tgt Ion: 94 Resp: 146

Ion Ratio Lower Upper

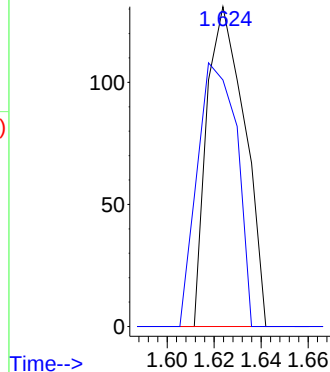
94 100

96 77.1 75.9 113.9

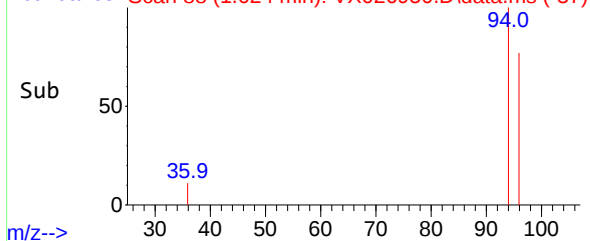
Abundance Scan 88 (1.624 min): VX026950.D\data.ms



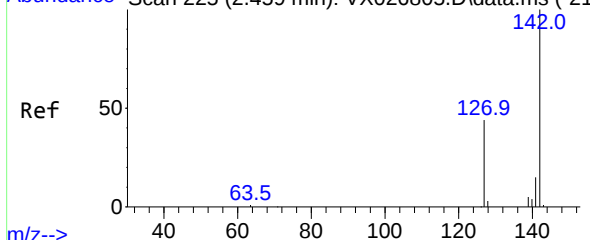
Abundance



Abundance Scan 88 (1.624 min): VX026950.D\data.ms (-37)



Abundance Scan 225 (2.459 min): VX026805.D\data.ms (-21)



#10

Methyl Iodide

Concen: 2.310 ug/l

RT: 2.465 min Scan# 226

Delta R.T. 0.006 min

Lab File: VX026950.D

Acq: 11 Feb 2022 03:54

Tgt Ion: 142 Resp: 99

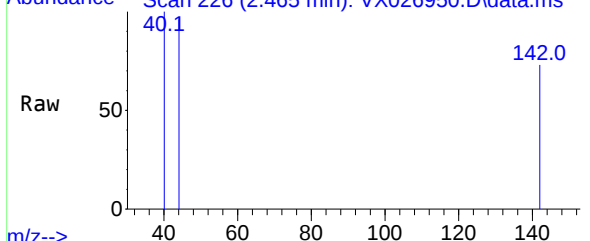
Ion Ratio Lower Upper

142 100

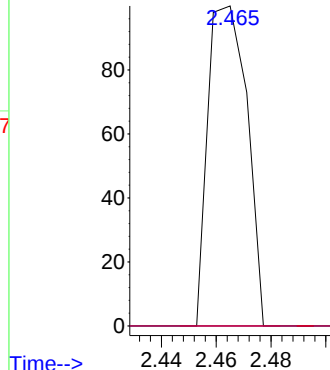
127 0.0 38.1 57.1#

141 0.0 11.2 16.8#

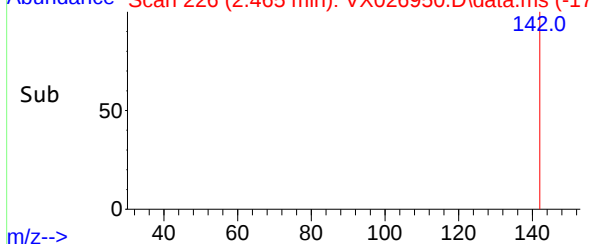
Abundance Scan 226 (2.465 min): VX026950.D\data.ms

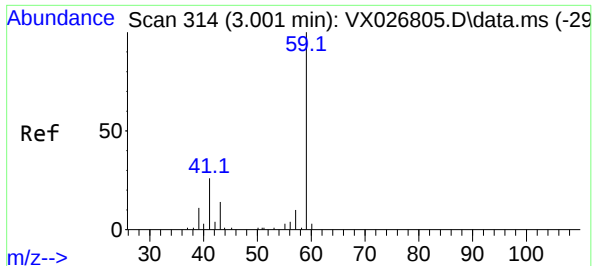


Abundance



Abundance Scan 226 (2.465 min): VX026950.D\data.ms (-17)





#11

Tert butyl alcohol

Concen: 1.219 ug/l

RT: 3.099 min Scan# 314

Delta R.T. 0.098 min

Lab File: VX026950.D

Acq: 11 Feb 2022 03:54

Instrument :

MSVOA_X

ClientSampleId :

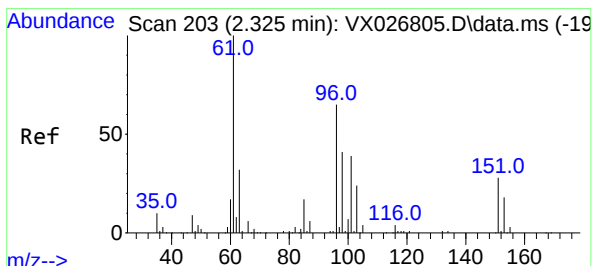
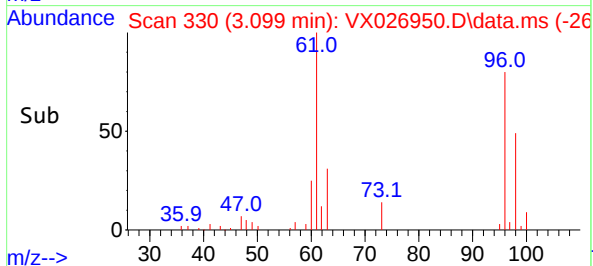
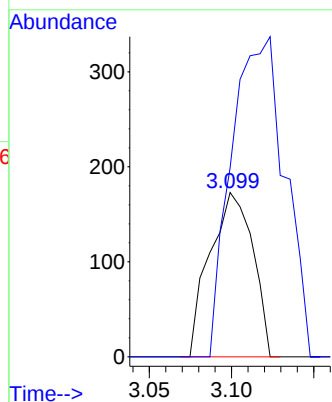
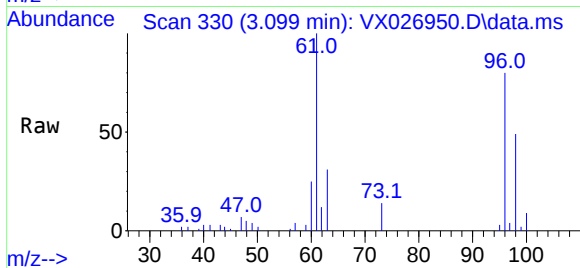
MW-23D

Tgt Ion: 59 Resp: 315

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#12

1,1-Dichloroethene

Concen: 2.490 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX026950.D

Acq: 11 Feb 2022 03:54

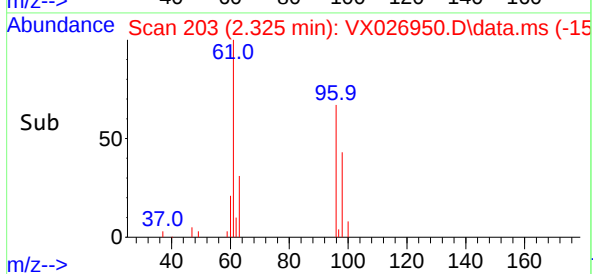
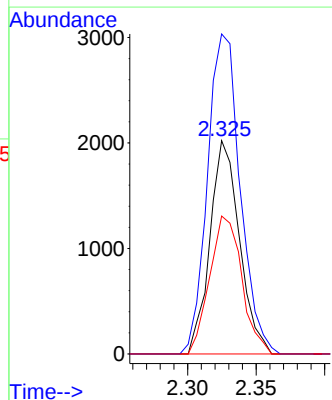
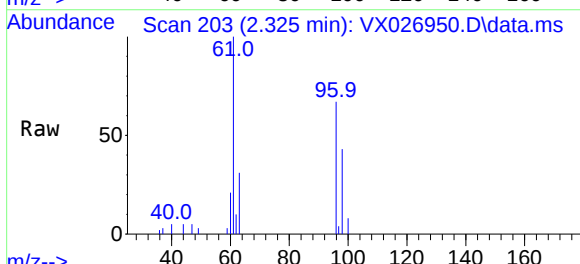
Tgt Ion: 96 Resp: 3037

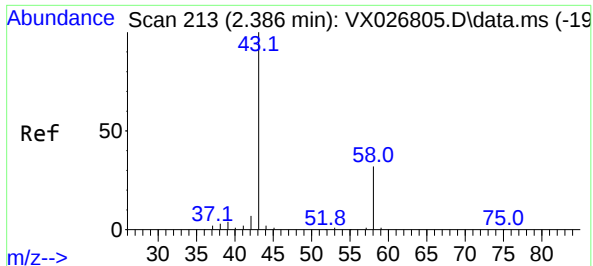
Ion Ratio Lower Upper

96 100

61 150.1 138.5 207.7

98 64.7 51.8 77.6

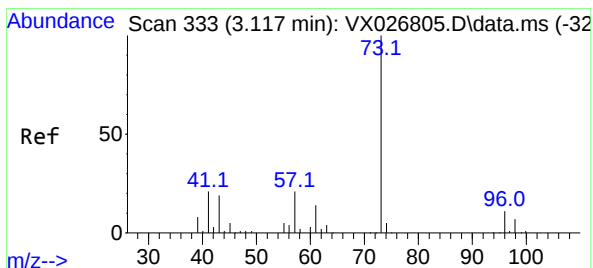
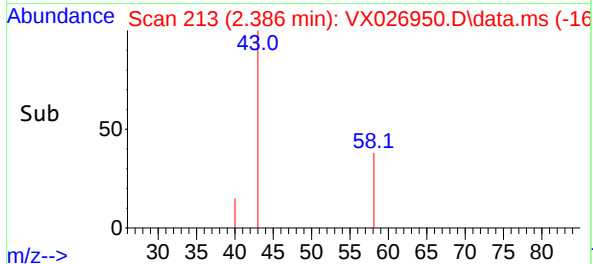
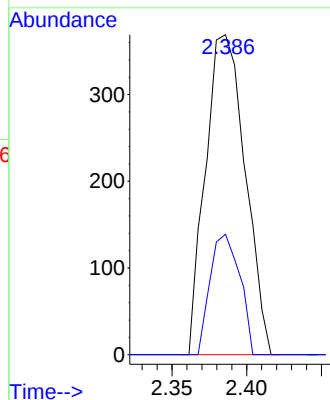
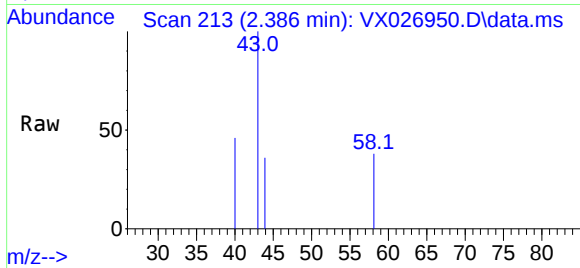




#16
Acetone
Concen: 1.084 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

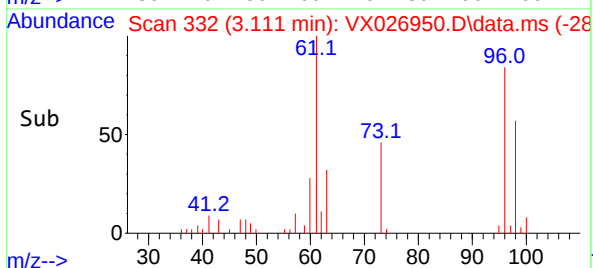
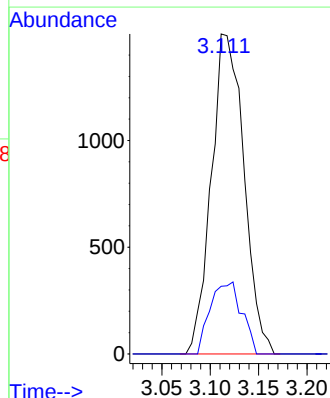
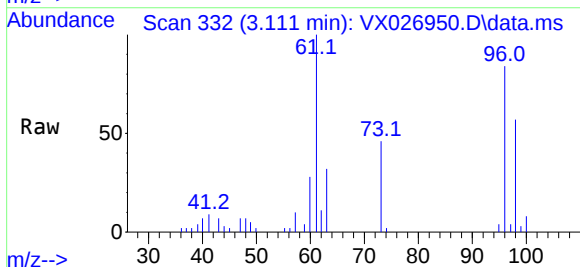
Instrument :
MSVOA_X
ClientSampleId :
MW-23D

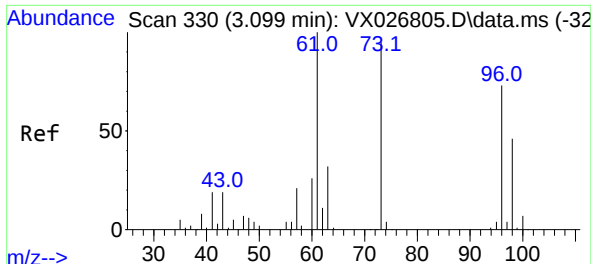
Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
58 37.7 23.0 34.6#



#19
Methyl tert-butyl Ether
Concen: 0.814 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Tgt Ion: 73 Resp: 3515
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.2

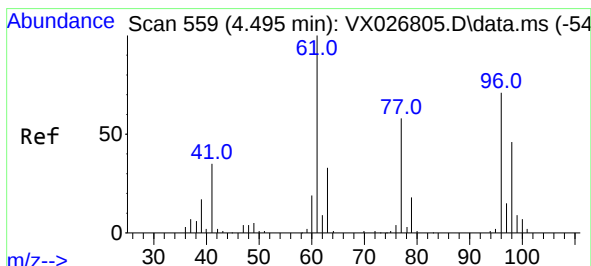
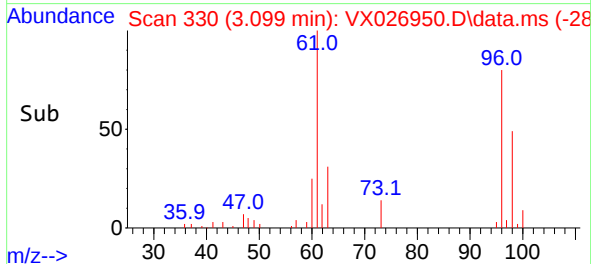
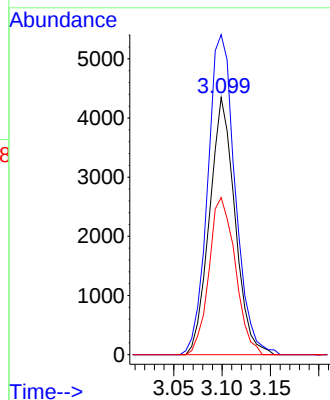
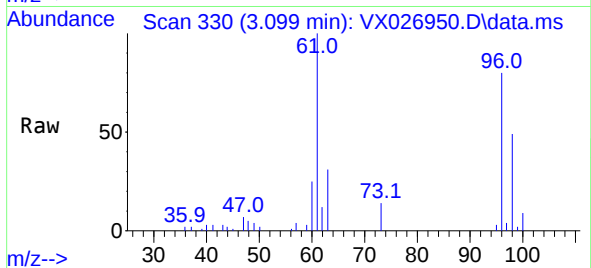




#21
trans-1,2-Dichloroethene
Concen: 6.199 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

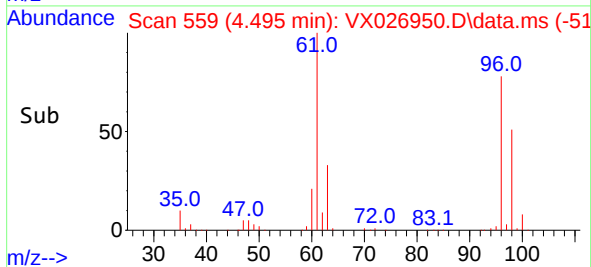
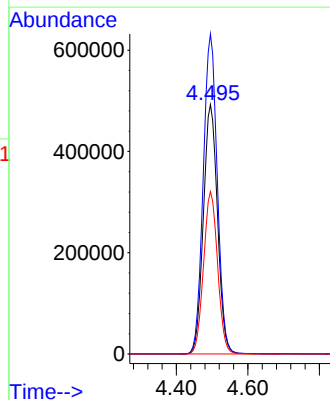
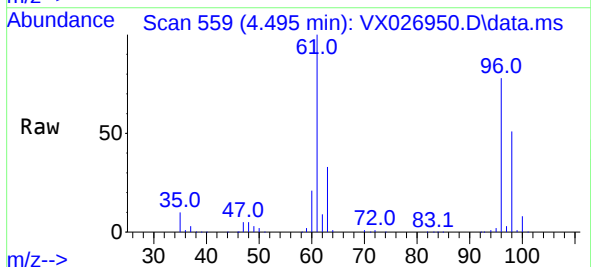
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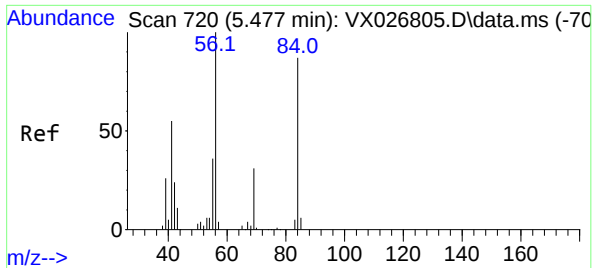
Tgt Ion: 96 Resp: 7955
Ion Ratio Lower Upper
96 100
61 124.4 112.9 169.3
98 61.1 49.5 74.3



#27
cis-1,2-Dichloroethene
Concen: 916.549 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Tgt Ion: 96 Resp: 1350483
Ion Ratio Lower Upper
96 100
61 127.5 0.0 296.6
98 64.7 0.0 128.8

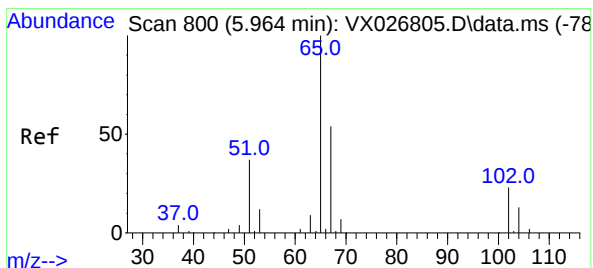
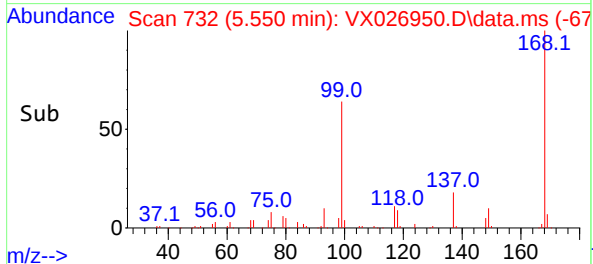
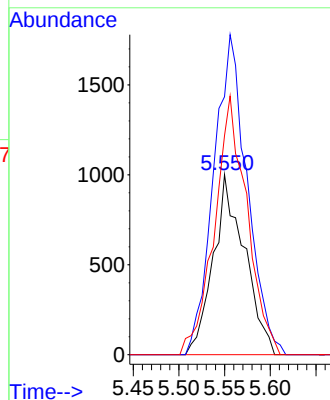
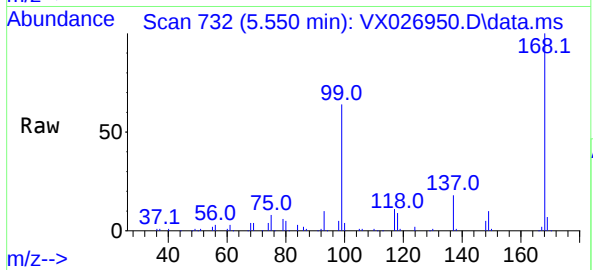




#31
Cyclohexane
Concen: 1.048 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

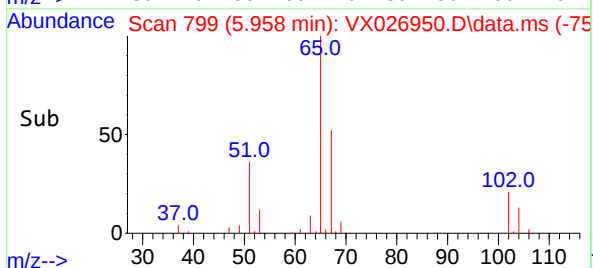
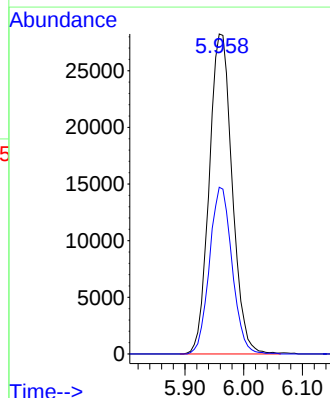
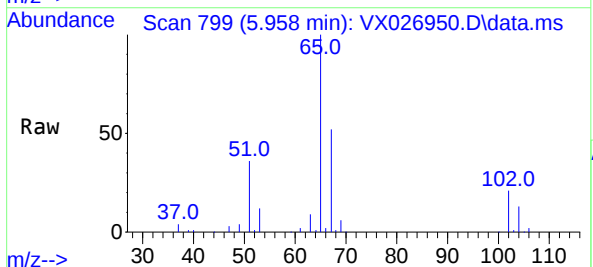
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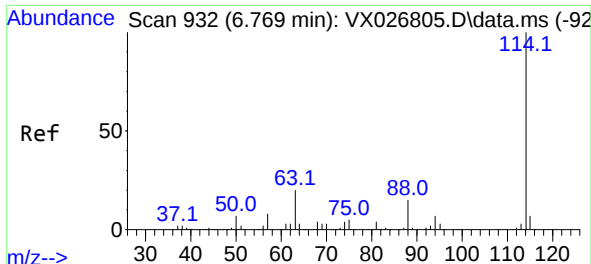
Tgt Ion: 56 Resp: 2383
Ion Ratio Lower Upper
56 100
69 143.1 25.8 38.6#
84 121.6 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 53.659 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Tgt Ion: 65 Resp: 76755
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.8

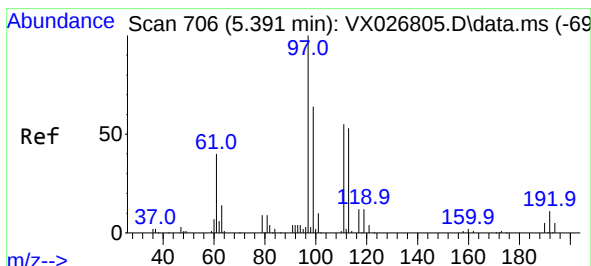
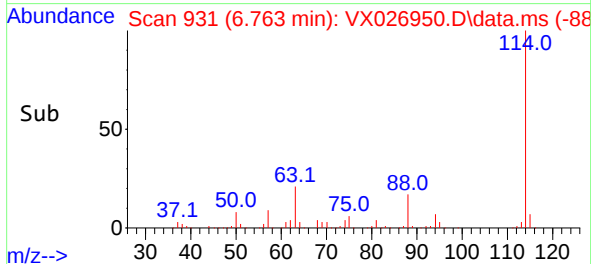
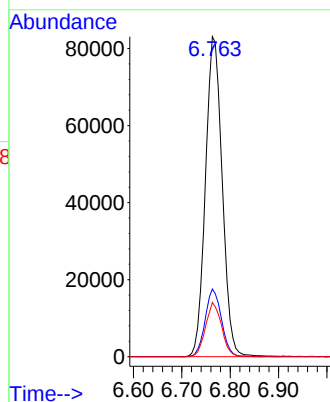
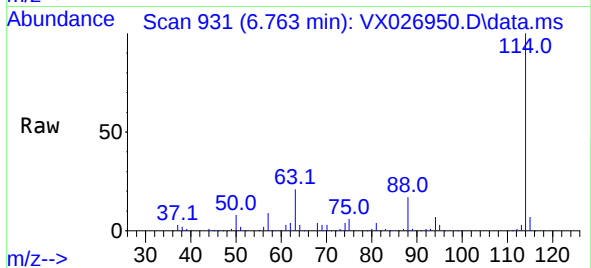




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

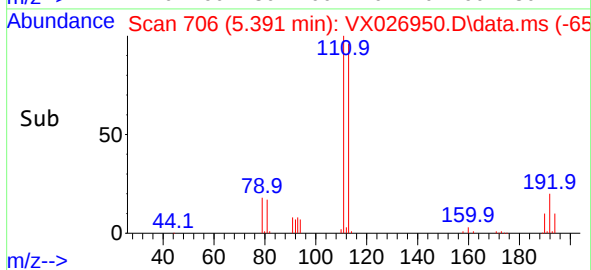
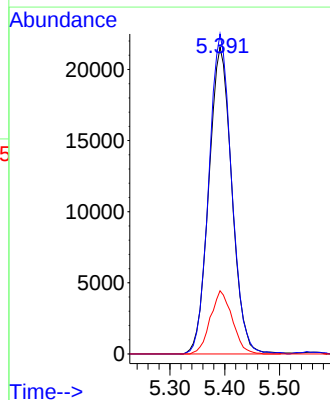
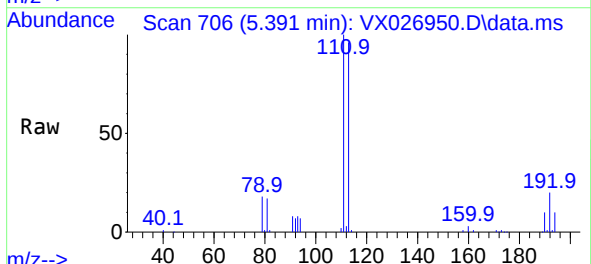
Instrument :
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ClientSampleId :
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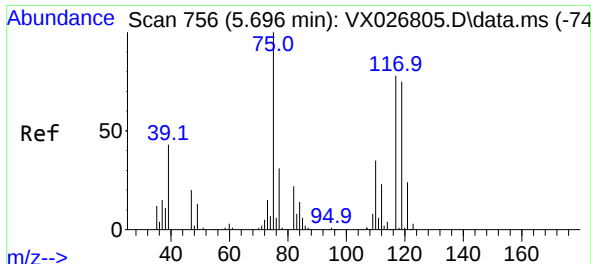
Tgt Ion:114 Resp: 200300
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.8
88 16.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 52.636 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Tgt Ion:113 Resp: 62813
Ion Ratio Lower Upper
113 100
111 102.8 81.2 121.8
192 19.7 15.0 22.4

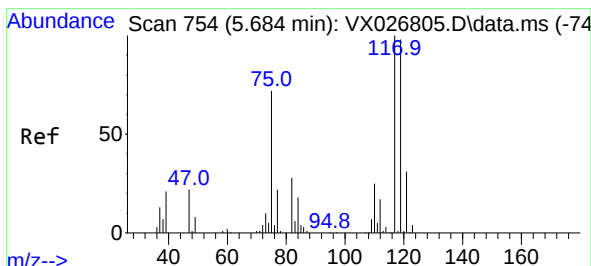
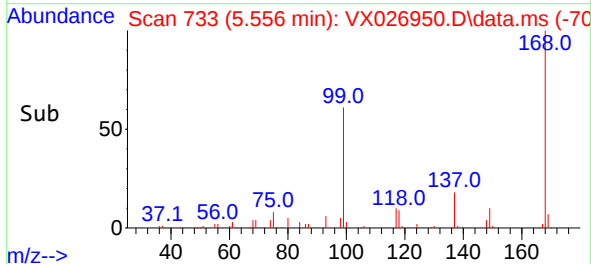
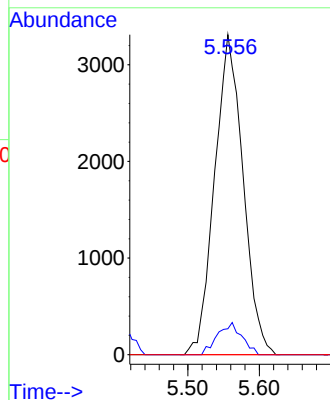
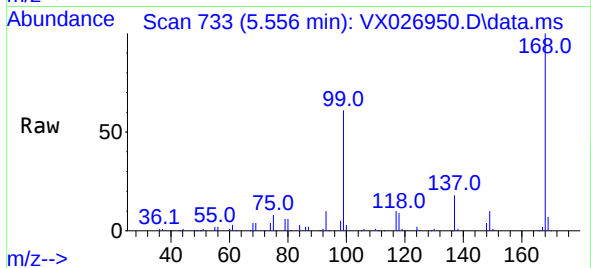




#36
1,1-Dichloropropene
Concen: 4.861 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

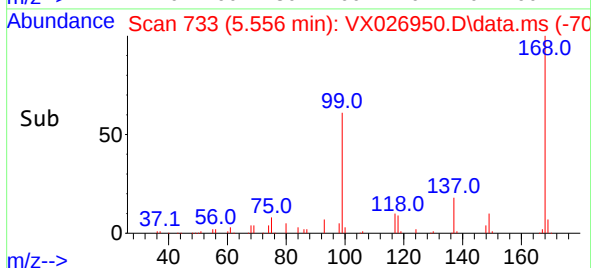
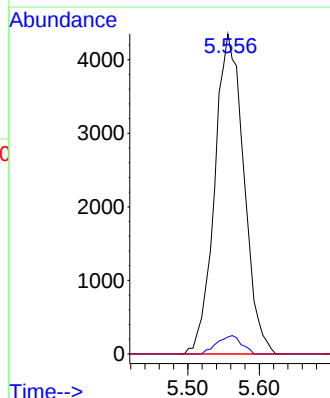
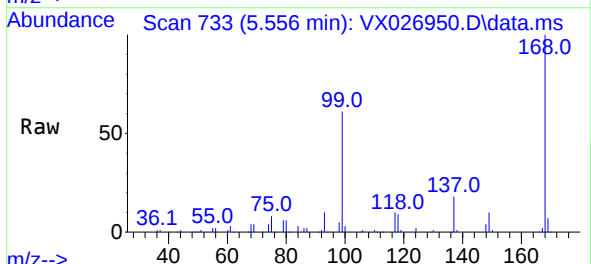
Instrument :
MSVOA_X
ClientSampleId :
MW-23D

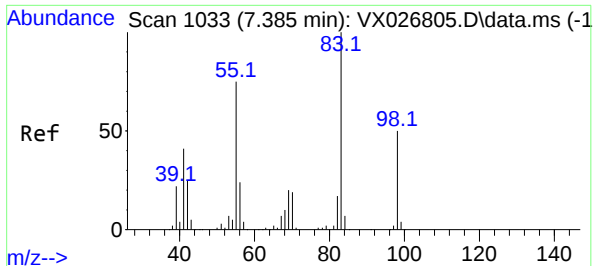
Tgt Ion: 75 Resp: 9152
Ion Ratio Lower Upper
75 100
110 8.6 17.2 51.6#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 6.232 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Tgt Ion: 117 Resp: 12303
Ion Ratio Lower Upper
117 100
119 5.3 74.7 112.1#
121 0.0 25.4 38.0#





#39

Methylcyclohexane

Concen: 3.851 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX026950.D

Acq: 11 Feb 2022 03:54

Instrument :

MSVOA_X

ClientSampleId :

MW-23D

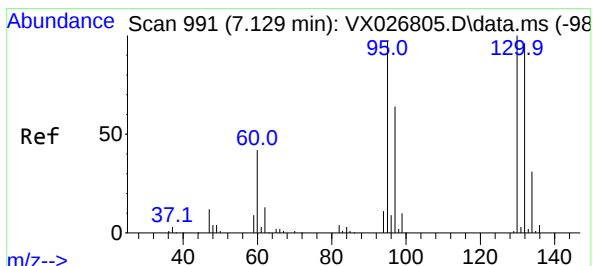
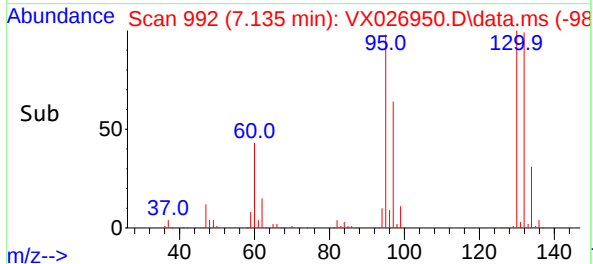
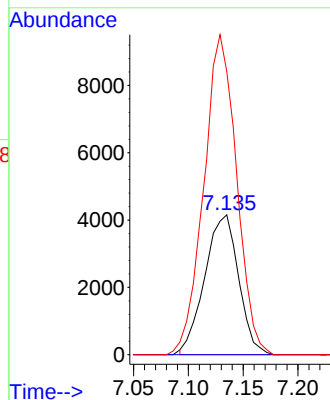
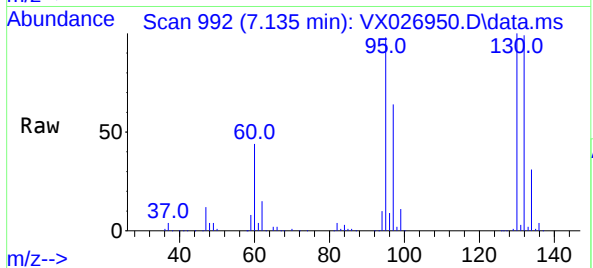
Tgt Ion: 83 Resp: 8890

Ion Ratio Lower Upper

83 100

55 0.0 63.6 95.4#

98 202.7 38.4 57.6#



#44

Trichloroethene

Concen: 471.887 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX026950.D

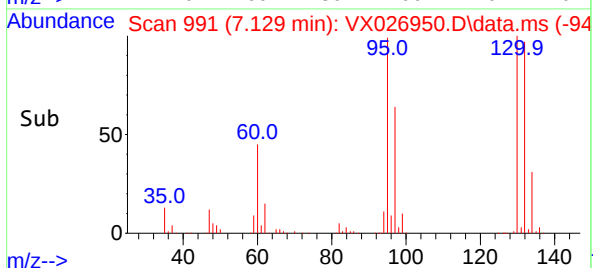
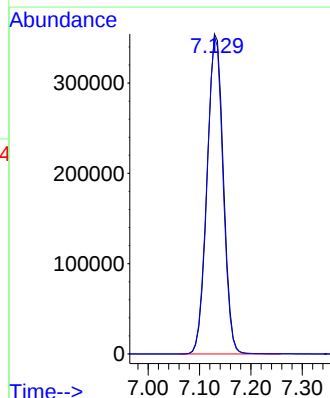
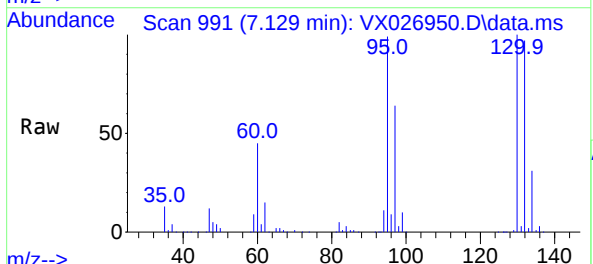
Acq: 11 Feb 2022 03:54

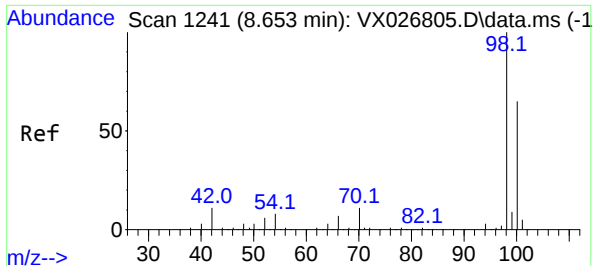
Tgt Ion:130 Resp: 777403

Ion Ratio Lower Upper

130 100

95 99.3 0.0 202.6





#50

Toluene-d8

Concen: 53.784 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX026950.D

Acq: 11 Feb 2022 03:54

Instrument :

MSVOA_X

ClientSampleId :

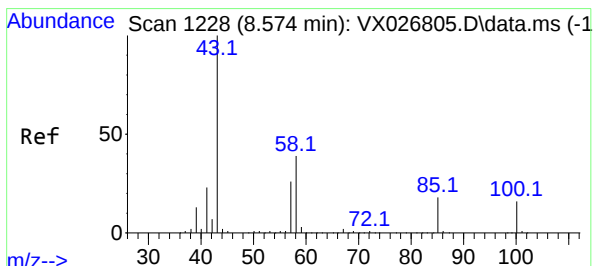
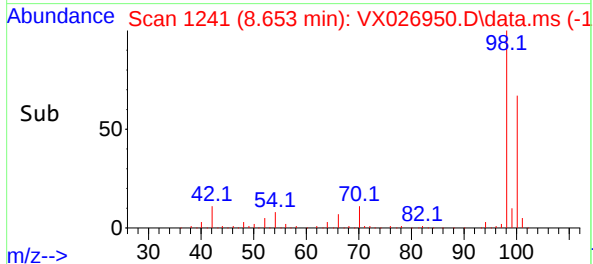
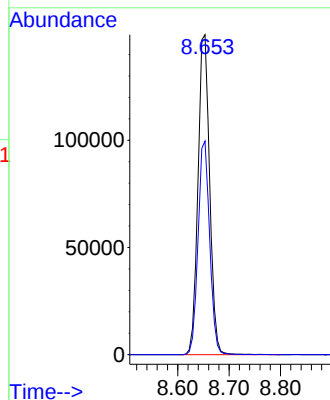
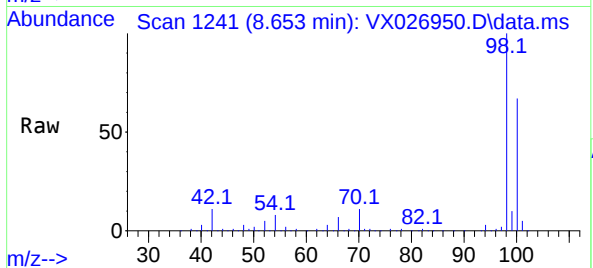
MW-23D

Tgt Ion: 98 Resp: 235599

Ion Ratio Lower Upper

98 100

100 66.3 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 0.536 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX026950.D

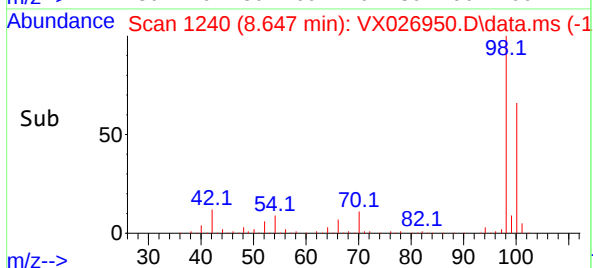
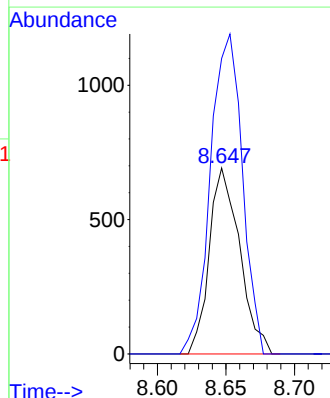
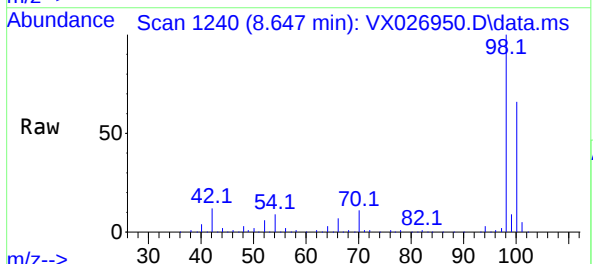
Acq: 11 Feb 2022 03:54

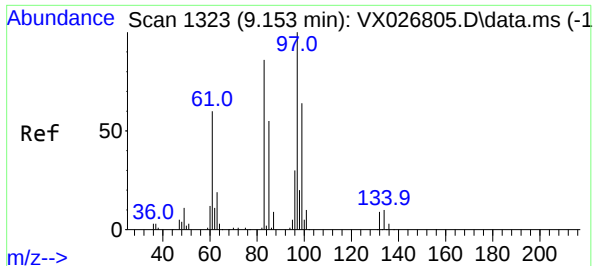
Tgt Ion: 43 Resp: 1070

Ion Ratio Lower Upper

43 100

58 179.9 30.5 45.7#



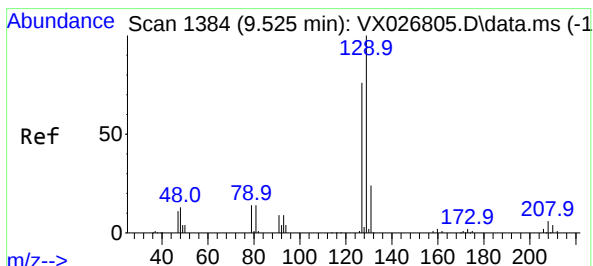
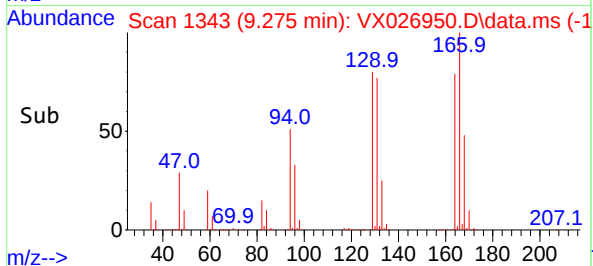
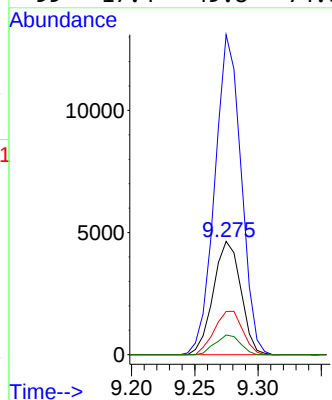
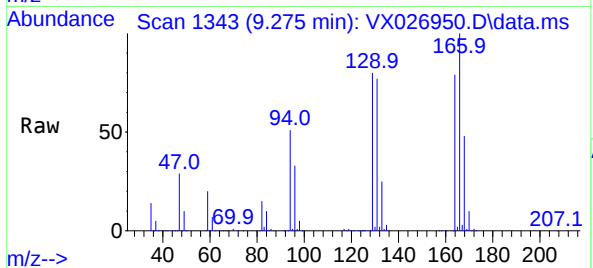


#55
1,1,2-Trichloroethane
Concen: 5.339 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.122 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Instrument :
MSVOA_X
ClientSampleId :
MW-23D

Tgt Ion: 97 Resp: 7021

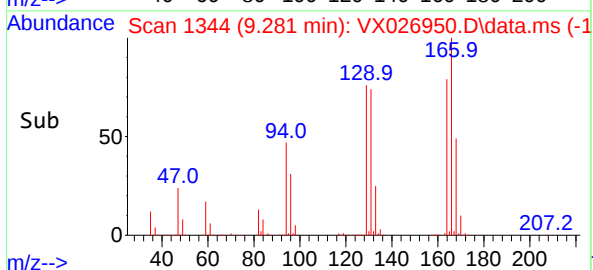
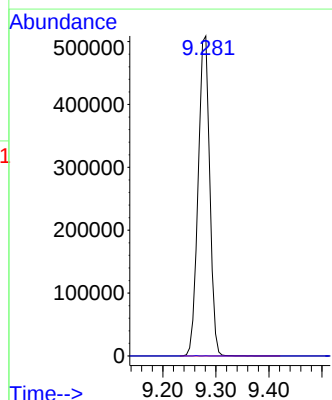
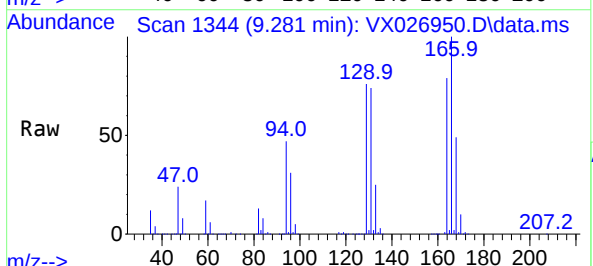
Ion	Ratio	Lower	Upper
97	100		
83	282.6	68.4	102.6#
85	38.1	44.0	66.0#
99	17.4	49.8	74.6#

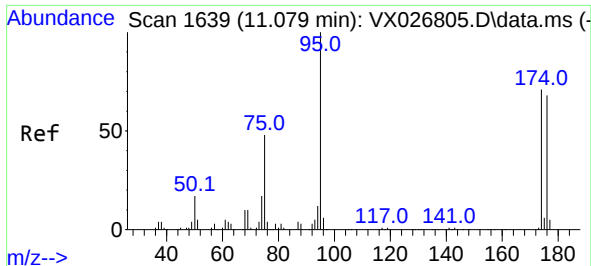


#60
Dibromochloromethane
Concen: 570.550 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Tgt Ion: 129 Resp: 772040

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.5	115.5#

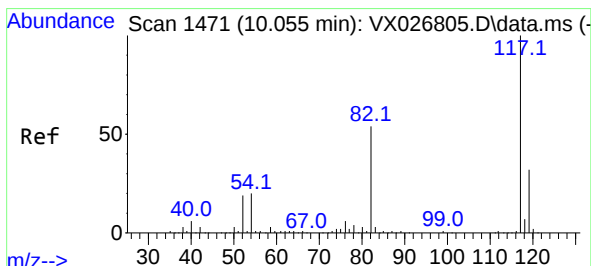
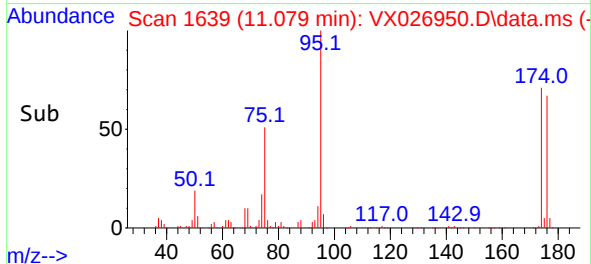
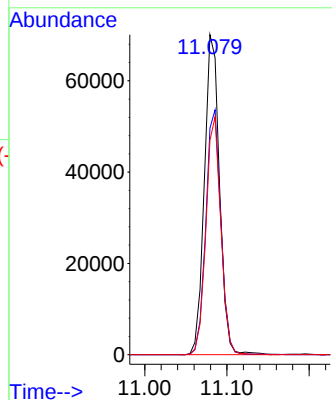
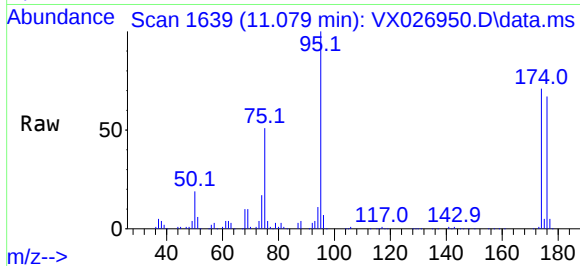




#62
4-Bromofluorobenzene
Concen: 58.196 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

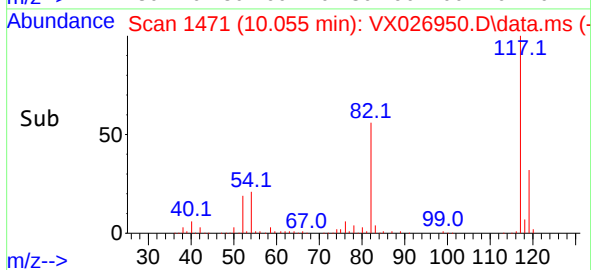
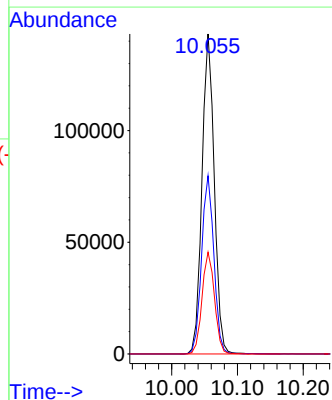
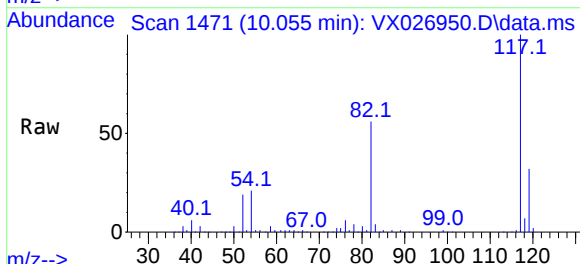
Instrument :
MSVOA_X
ClientSampleId :
MW-23D

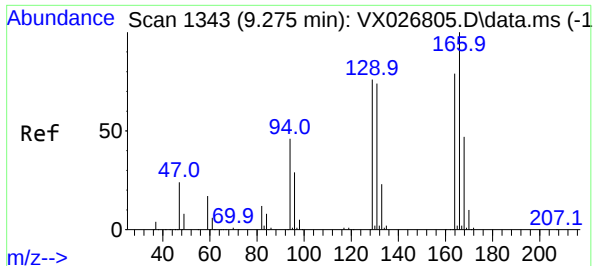
Tgt Ion: 95 Resp: 89750
Ion Ratio Lower Upper
95 100
174 76.0 0.0 148.6
176 72.8 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Tgt Ion: 117 Resp: 185768
Ion Ratio Lower Upper
117 100
82 55.7 45.2 67.8
119 31.8 26.2 39.2

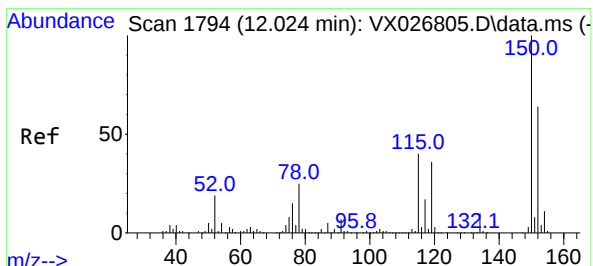
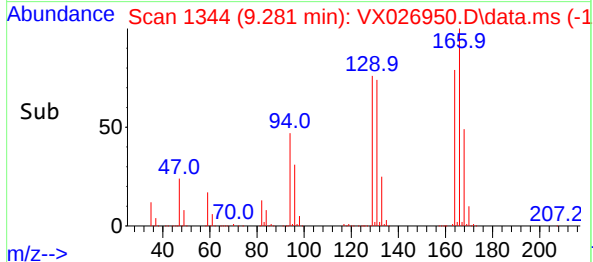
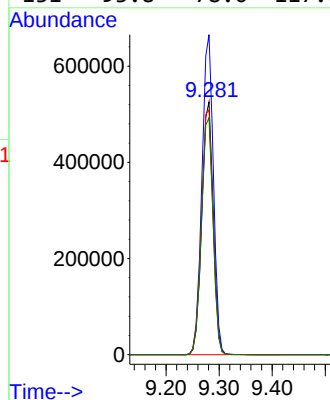
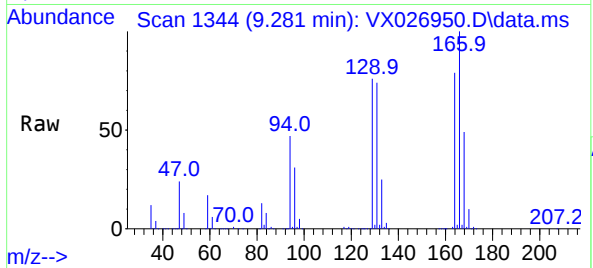




#64
Tetrachloroethene
Concen: 422.343 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

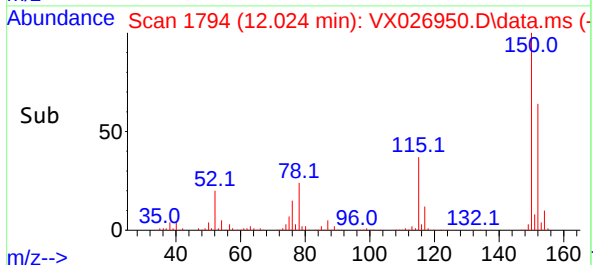
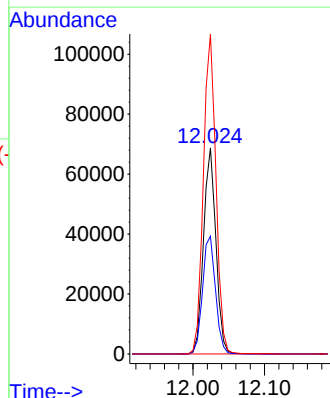
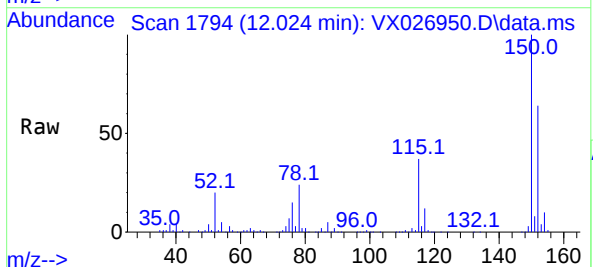
Instrument :
MSVOA_X
ClientSampleId :
MW-23D

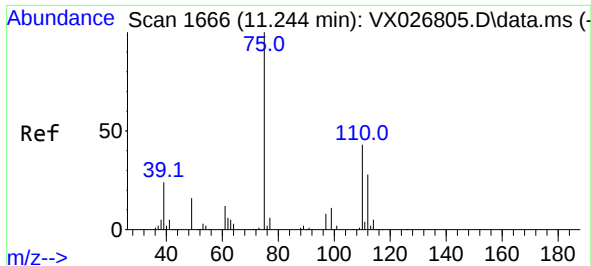
Tgt Ion:164 Resp: 787995
Ion Ratio Lower Upper
164 100
166 126.6 101.8 152.6
129 96.8 83.3 124.9
131 93.8 78.0 117.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Tgt Ion:152 Resp: 82920
Ion Ratio Lower Upper
152 100
115 59.6 44.2 132.6
150 157.2 0.0 348.2

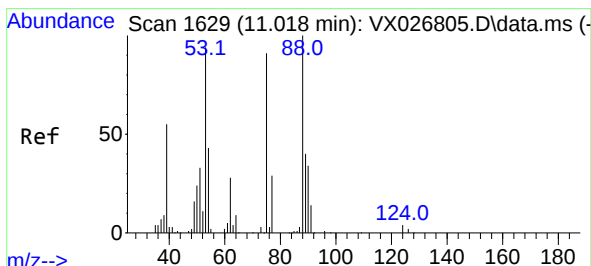
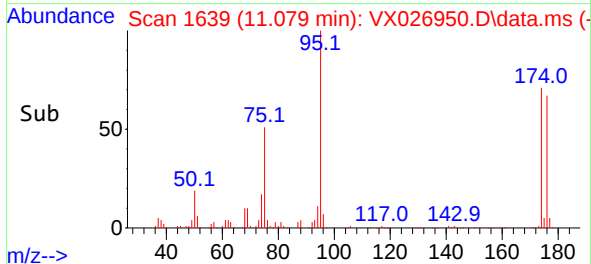
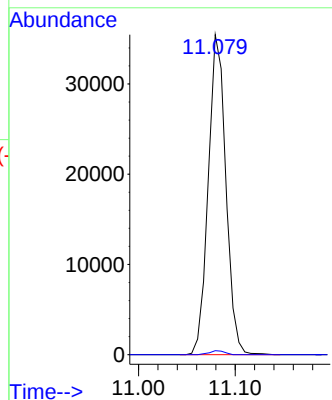
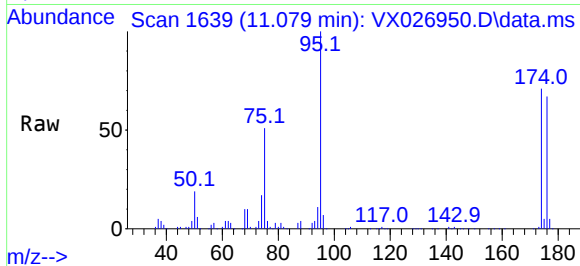




#76
1,2,3-Trichloropropane
Concen: 24.780 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

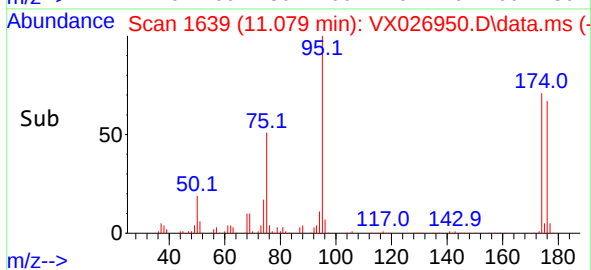
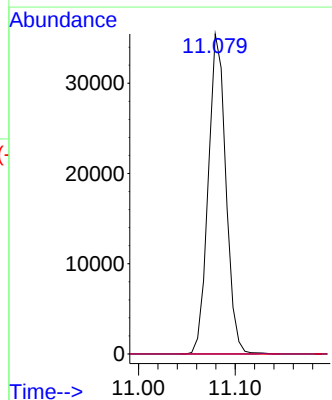
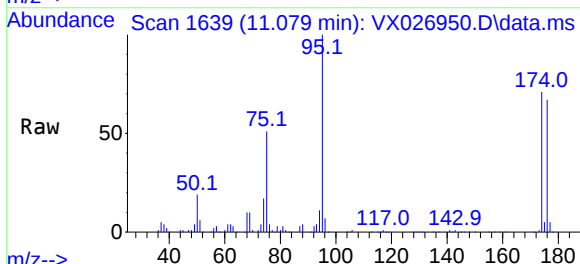
Instrument :
MSVOA_X
ClientSampleId :
MW-23D

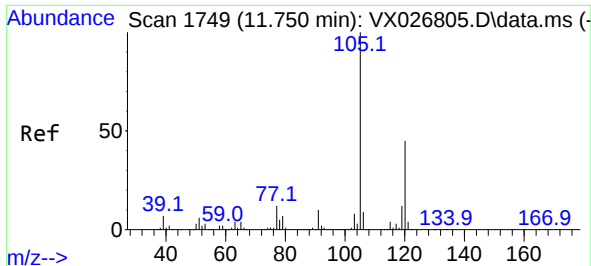
Tgt Ion: 75 Resp: 44980
Ion Ratio Lower Upper
75 100
77 1.1 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.615 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Tgt Ion: 75 Resp: 44980
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

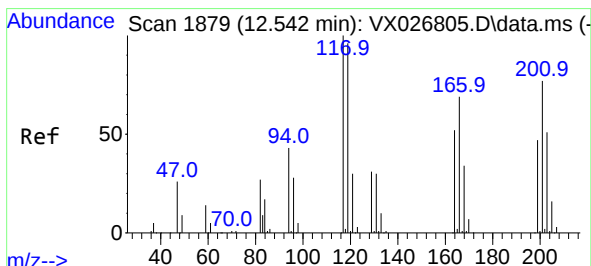
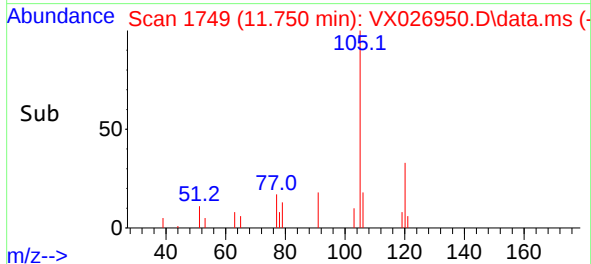
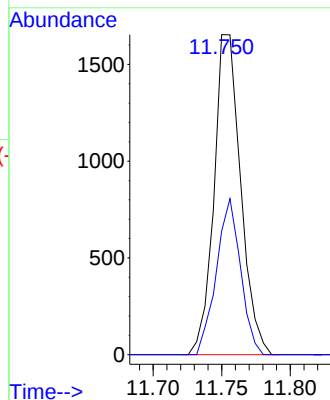
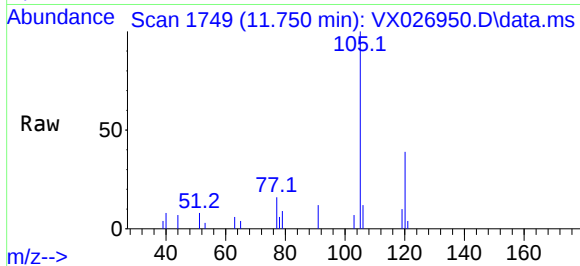




#84
1,2,4-Trimethylbenzene
Concen: 0.413 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Instrument :
MSVOA_X
ClientSampleId :
MW-23D

Tgt Ion:105 Resp: 2242
Ion Ratio Lower Upper
105 100
120 44.0 21.9 65.5



#90
Hexachloroethane
Concen: 0.284 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX026950.D
Acq: 11 Feb 2022 03:54

Tgt Ion:117 Resp: 226
Ion Ratio Lower Upper
117 100
201 0.0 35.6 106.8#

