

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050322\
 Data File : VX028496.D
 Acq On : 03 May 2022 13:03
 Operator : JC/MD
 Sample : N2646-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW172S1-20220429

Quant Time: May 04 06:03:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

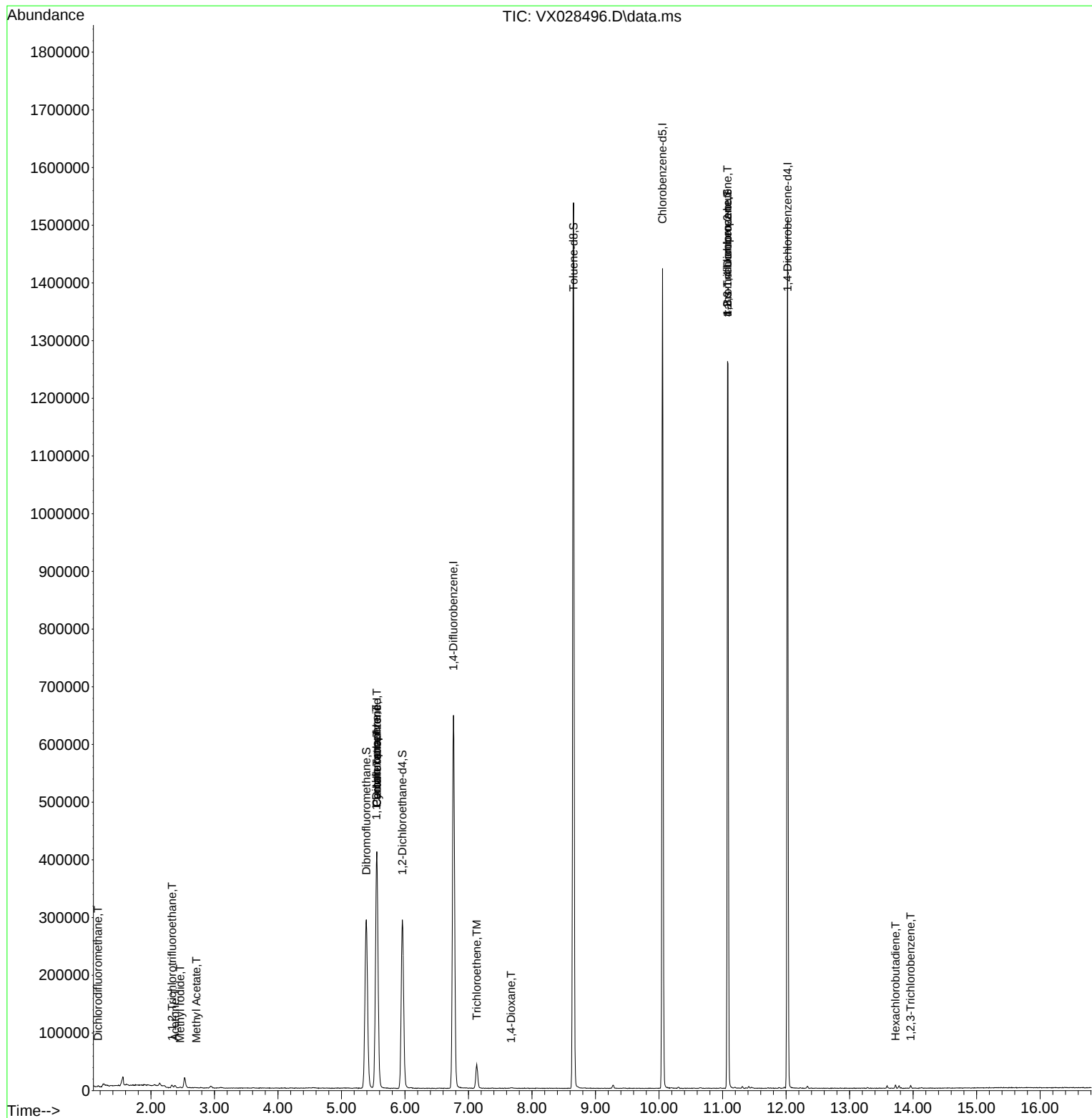
Internal Standards						
1) Pentafluorobenzene	5.556	168	400357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	692297	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	665030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	308311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	278796	53.407	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.820%	
35) Dibromofluoromethane	5.391	113	255412	52.608	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.220%	
50) Toluene-d8	8.653	98	937540	50.278	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.560%	
62) 4-Bromofluorobenzene	11.079	95	339951	47.680	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 95.360%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	930	0.360	ug/l	98
3) Chloromethane	1.294	50	577	Below Cal	#	85
5) Bromomethane	1.618	94	1274	Below Cal	#	75
6) Chloroethane	1.691	64	406	Below Cal	#	76
8) Diethyl Ether	1.971	74	45	Below Cal	#	1
9) 1,1,2-Trichlorotrifluo...	2.331	101	1752	0.540	ug/l	92
10) Methyl Iodide	2.459	142	1323	5.502	ug/l	95
11) Tert butyl alcohol	2.953	59	1804	Below Cal	#	72
16) Acetone	2.380	43	4272	1.291	ug/l	# 88
18) Methyl Acetate	2.715	43	1117	0.241	ug/l	# 50
31) Cyclohexane	5.556	56	7467	1.174	ug/l	# 4
36) 1,1-Dichloropropene	5.550	75	28953	4.572	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	40486	5.663	ug/l	# 15
44) Trichloroethene	7.129	130	16016	2.979	ug/l	94
49) 1,4-Dioxane	7.671	88	1096	8.533	ug/l	# 85
76) 1,2,3-Trichloropropane	11.079	75	166512	27.442	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	166512	81.551	ug/l	# 15
94) Hexachlorobutadiene	13.725	225	895	0.327	ug/l	91
96) 1,2,3-Trichlorobenzene	13.963	180	1237	0.206	ug/l	96

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

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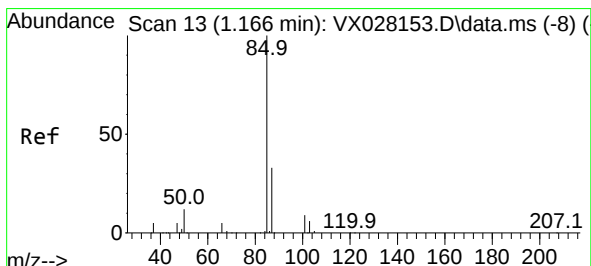
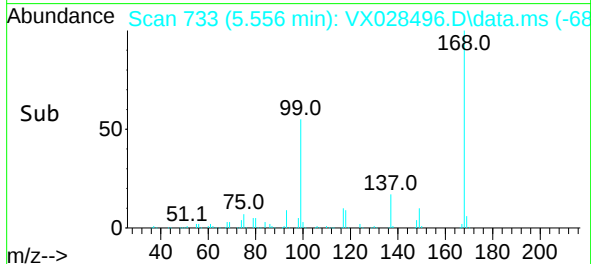
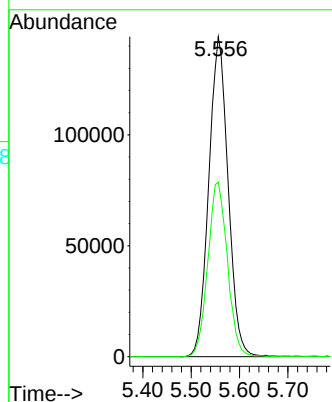
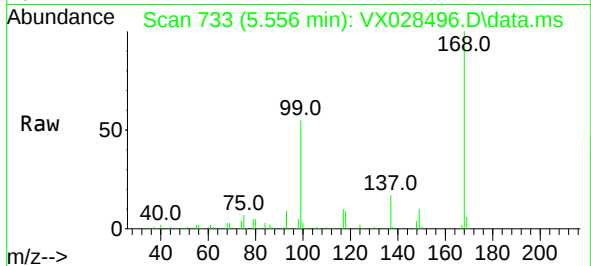




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

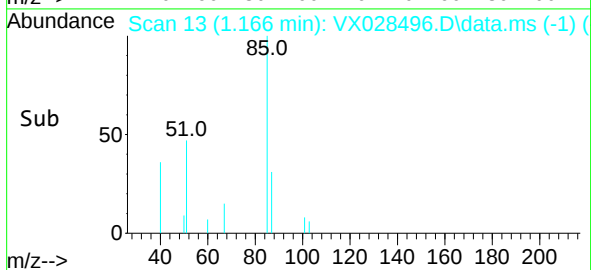
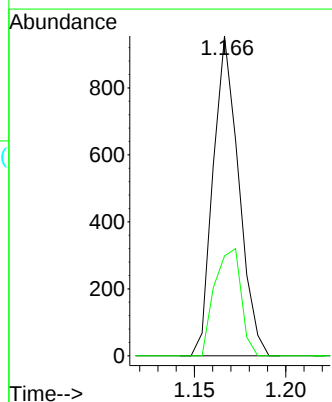
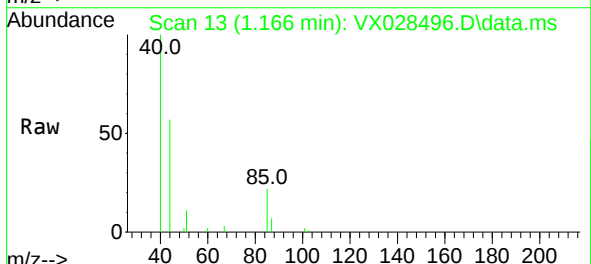
Instrument :
MSVOA_X
ClientSampleId :
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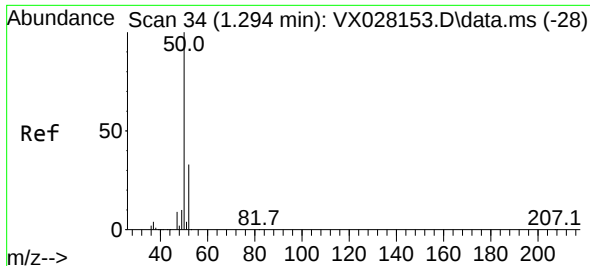
Tgt Ion:168 Resp: 400357
Ion Ratio Lower Upper
168 100
99 54.6 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.360 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

Tgt Ion: 85 Resp: 930
Ion Ratio Lower Upper
85 100
87 31.2 16.2 48.6

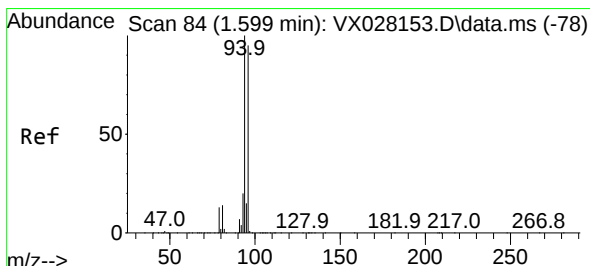
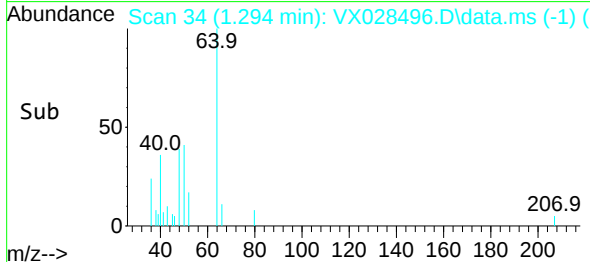
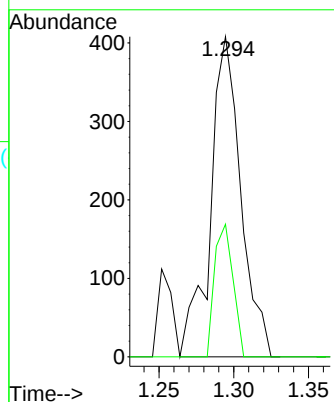
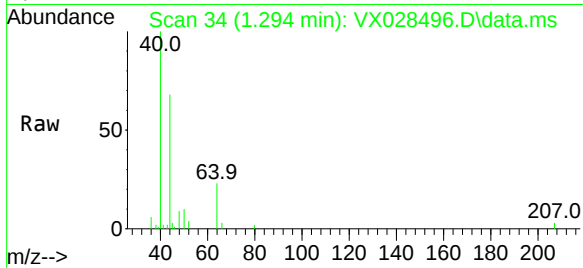




#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

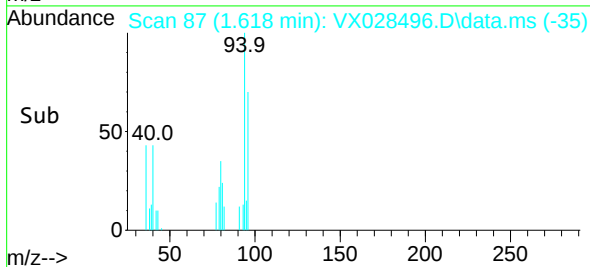
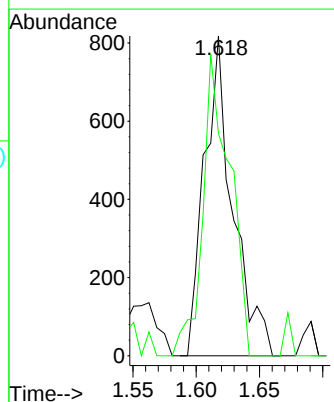
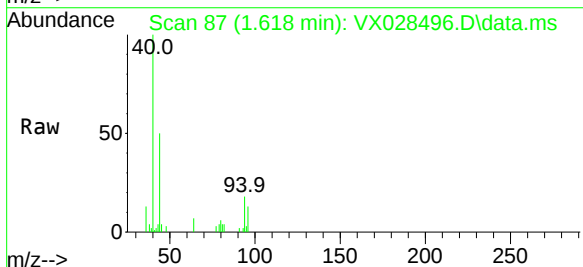
Instrument :
MSVOA_X
ClientSampleId :
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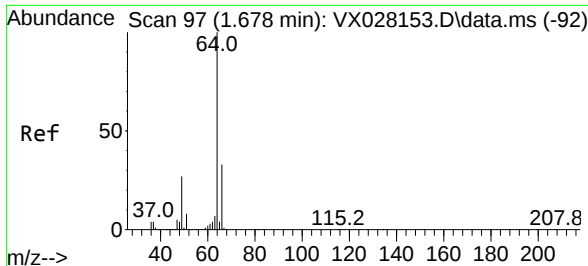
Tgt Ion: 50 Resp: 577
Ion Ratio Lower Upper
50 100
52 41.4 26.4 39.6#



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

Tgt Ion: 94 Resp: 1274
Ion Ratio Lower Upper
94 100
96 69.6 75.3 112.9#

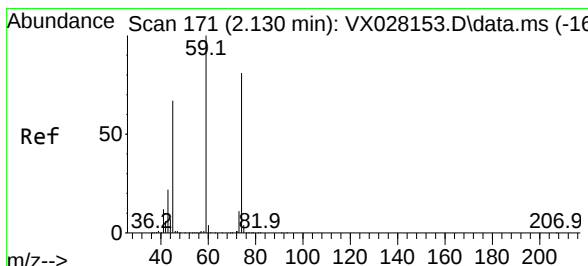
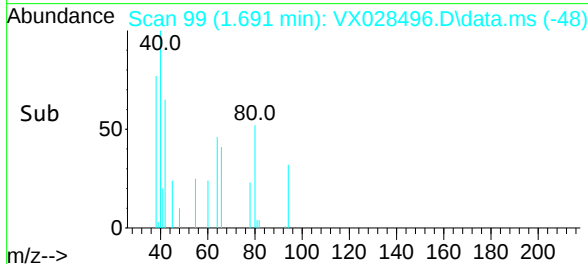
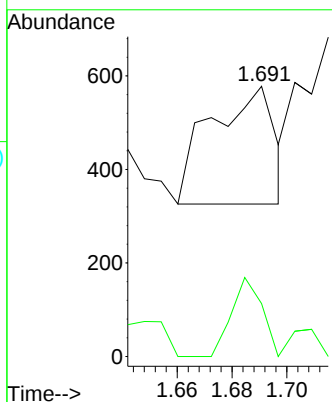
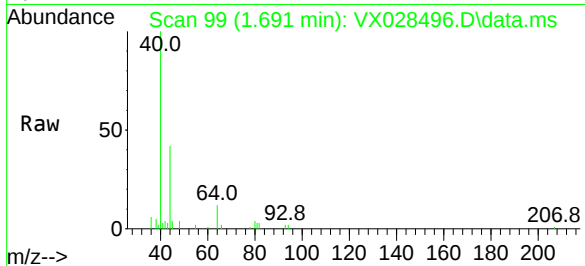




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.013 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

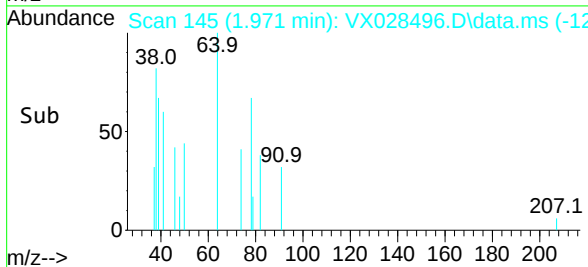
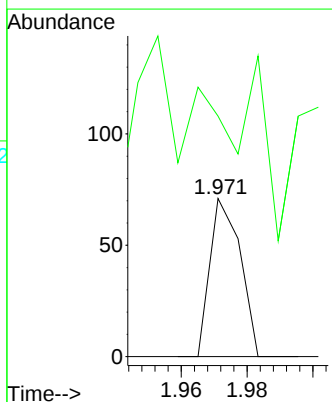
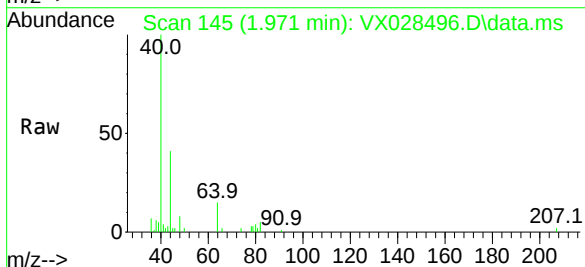
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-20220429

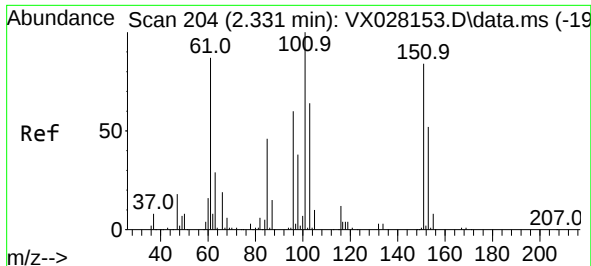
Tgt Ion: 64 Resp: 406
Ion Ratio Lower Upper
64 100
66 44.8 25.3 37.9#



#8
Diethyl Ether
Concen: Below Cal
RT: 1.971 min Scan# 145
Delta R.T. -0.159 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

Tgt Ion: 74 Resp: 45
Ion Ratio Lower Upper
74 100
45 408.9 42.0 126.0#

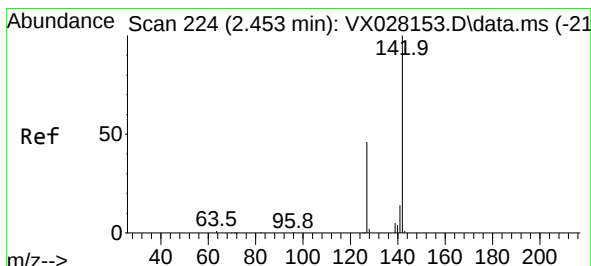
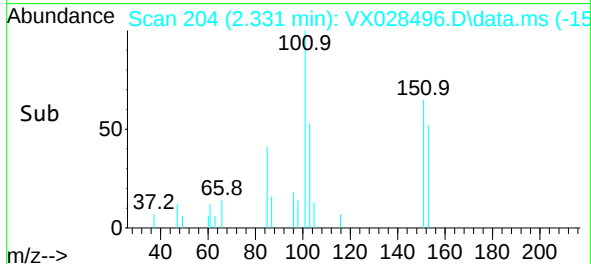
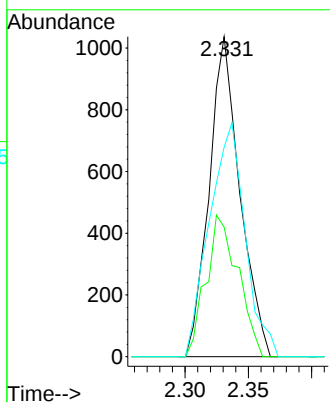
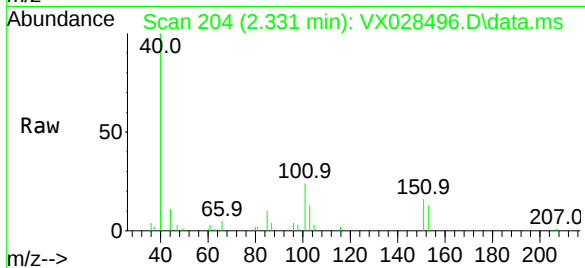




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.540 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

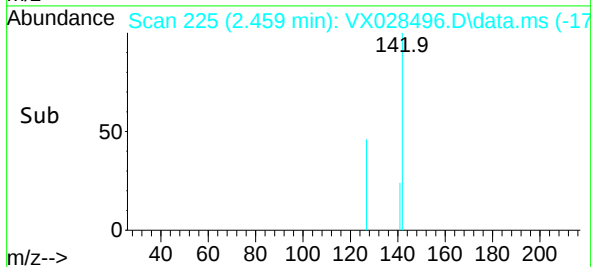
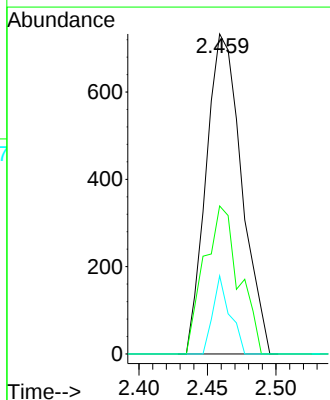
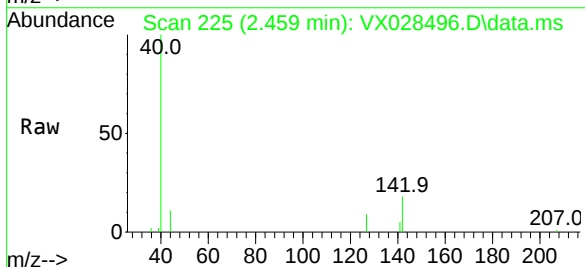
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-20220429

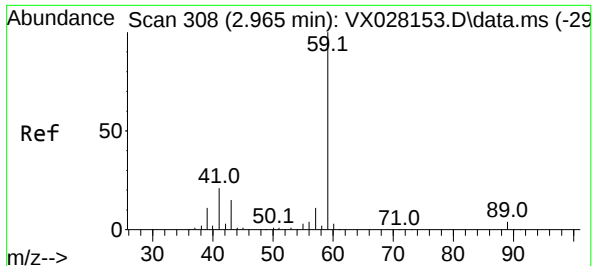
Tgt Ion:101 Resp: 1752
Ion Ratio Lower Upper
101 100
85 46.1 33.5 50.3
151 85.1 61.8 92.6



#10
Methyl Iodide
Concen: 5.502 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

Tgt Ion:142 Resp: 1323
Ion Ratio Lower Upper
142 100
127 45.2 33.9 50.9
141 11.6 11.4 17.2

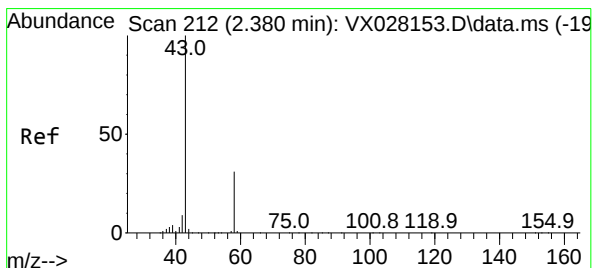
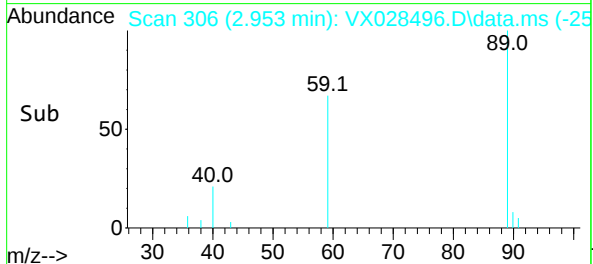
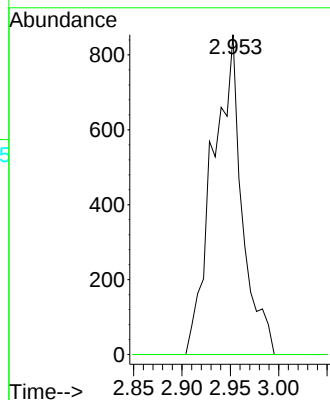
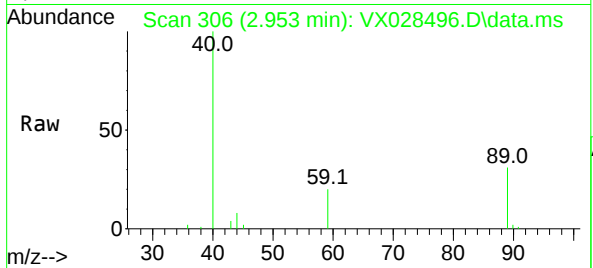




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

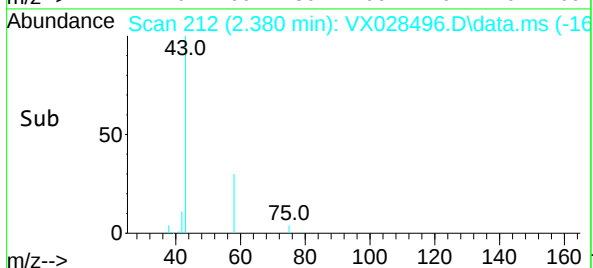
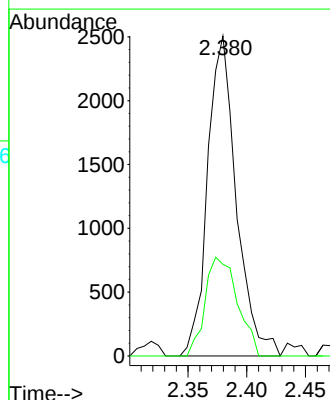
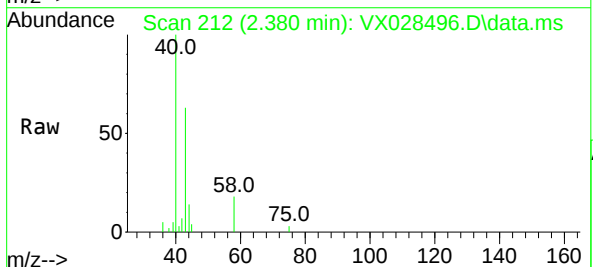
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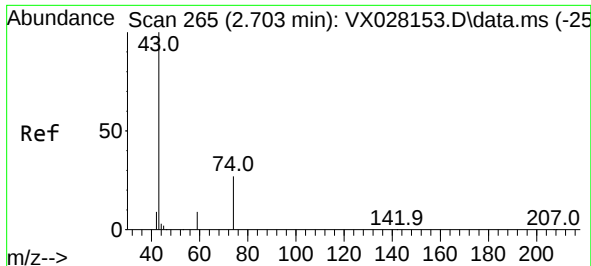
Tgt Ion: 59 Resp: 1804
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.291 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

Tgt Ion: 43 Resp: 4272
Ion Ratio Lower Upper
43 100
58 28.7 28.8 43.2#

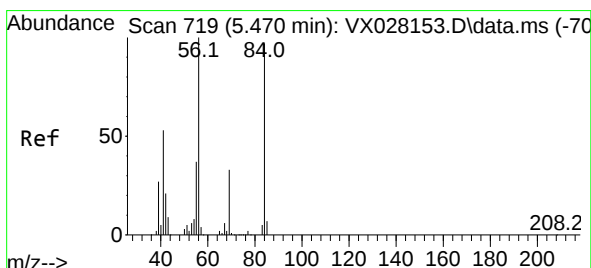
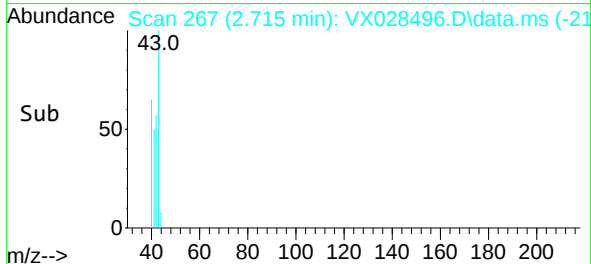
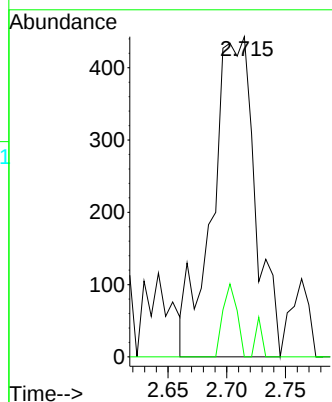
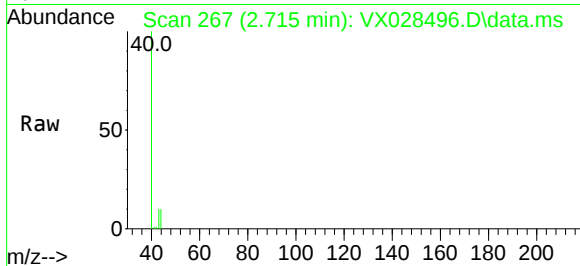




#18
Methyl Acetate
Concen: 0.241 ug/l
RT: 2.715 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

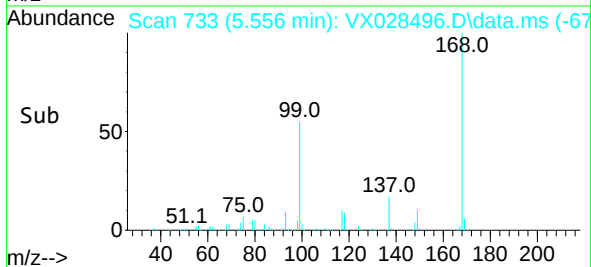
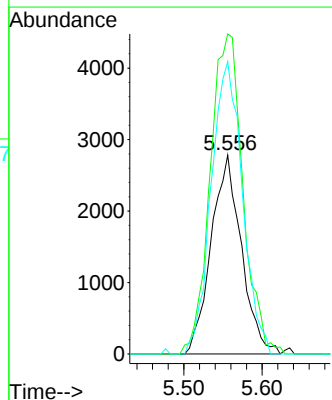
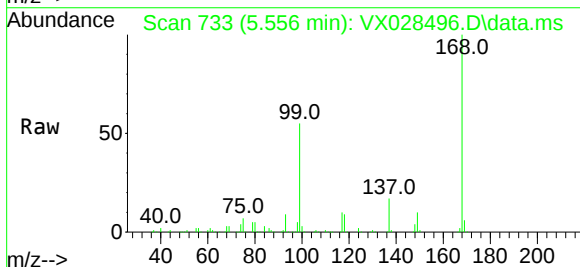
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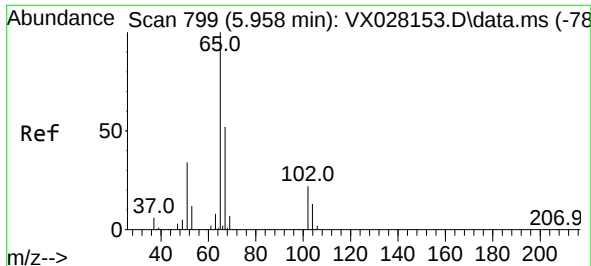
Tgt Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
74 1.8 22.8 34.2#



#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

Tgt Ion: 56 Resp: 7467
Ion Ratio Lower Upper
56 100
69 160.8 26.7 40.1#
84 146.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 53.407 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028496.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA_X

ClientSampleId :

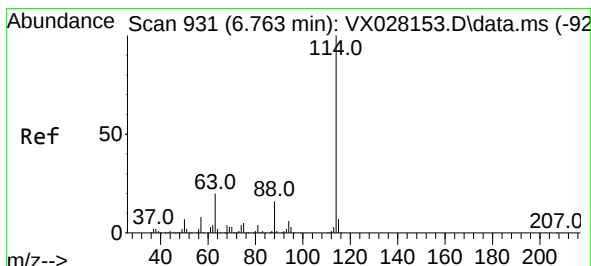
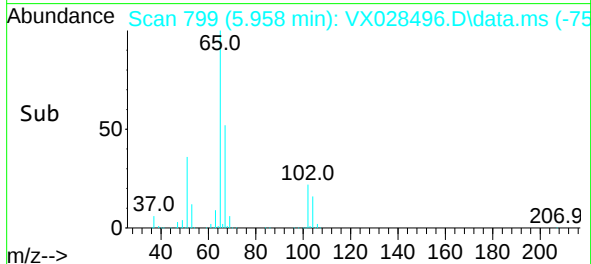
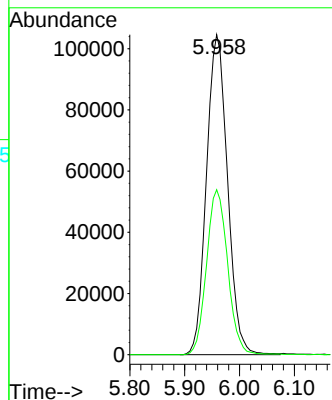
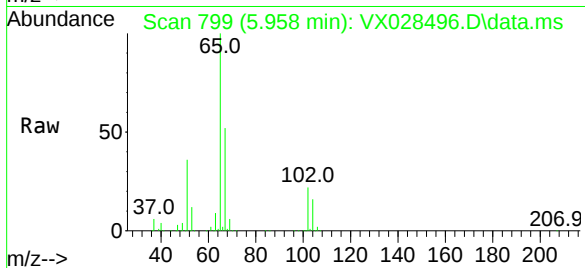
BP-TT-MW172S1-20220429

Tgt Ion: 65 Resp: 278796

Ion Ratio Lower Upper

65 100

67 51.8 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: VX028496.D

Acq: 03 May 2022 13:03

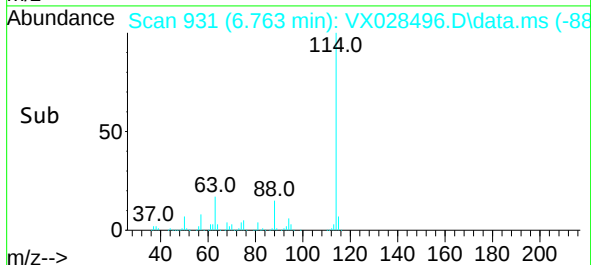
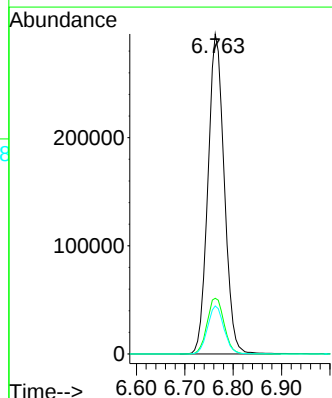
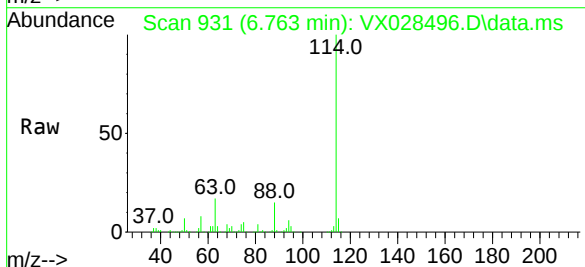
Tgt Ion: 114 Resp: 692297

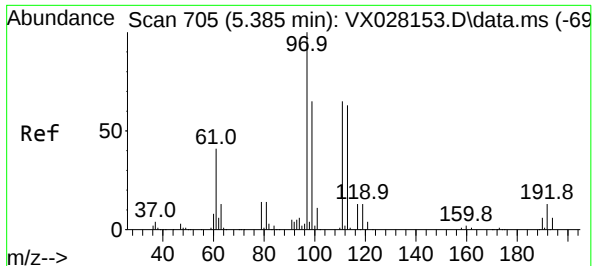
Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.8

88 15.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.608 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028496.D

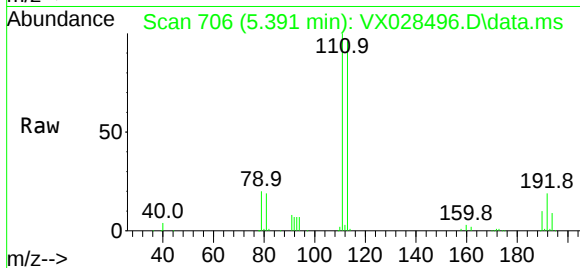
Acq: 03 May 2022 13:03

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW172S1-20220429



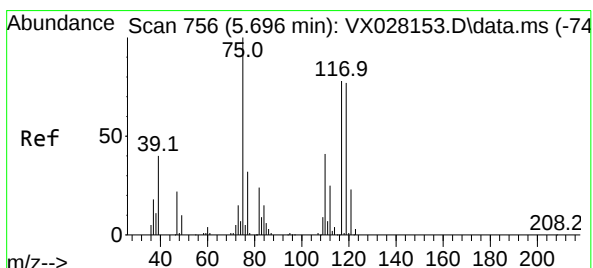
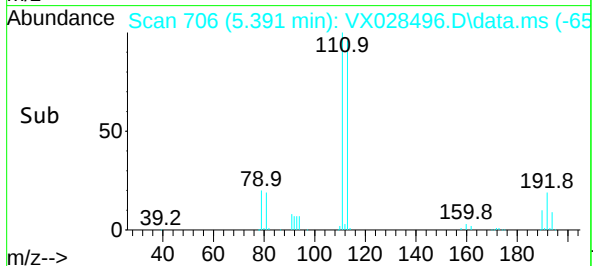
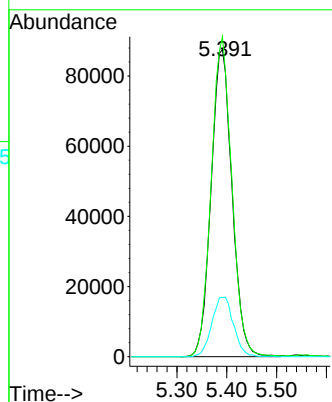
Tgt Ion:113 Resp: 255412

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 20.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.572 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028496.D

Acq: 03 May 2022 13:03

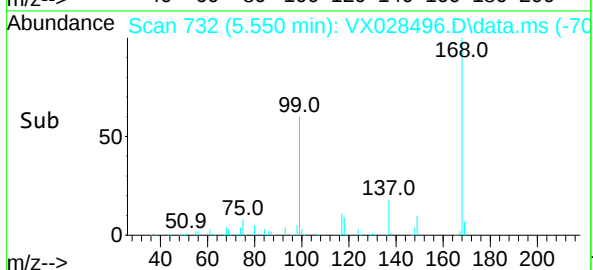
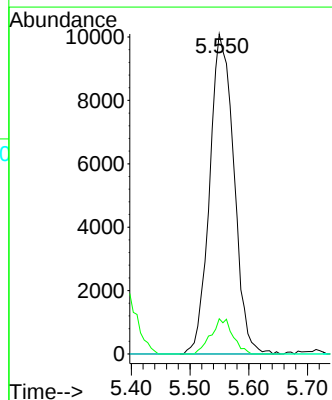
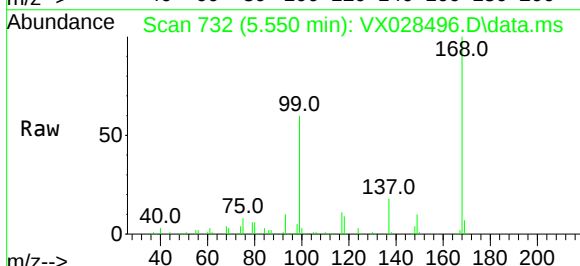
Tgt Ion: 75 Resp: 28953

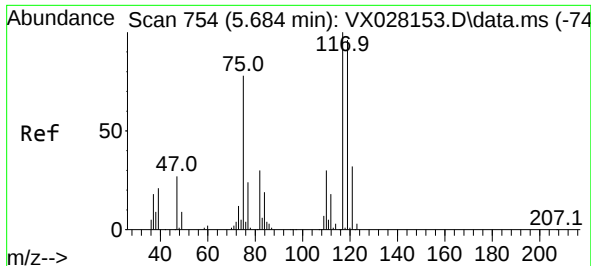
Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

77 0.0 24.8 37.2#

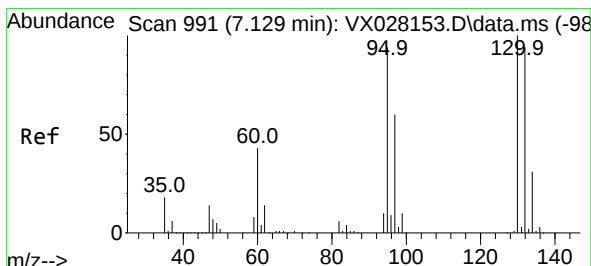
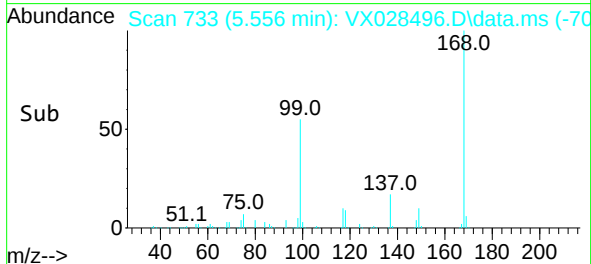
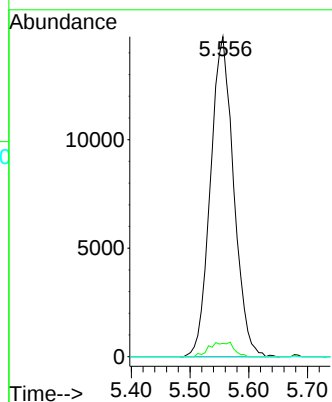
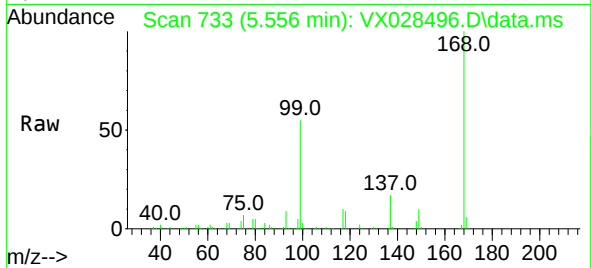




#38
Carbon Tetrachloride
Concen: 5.663 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

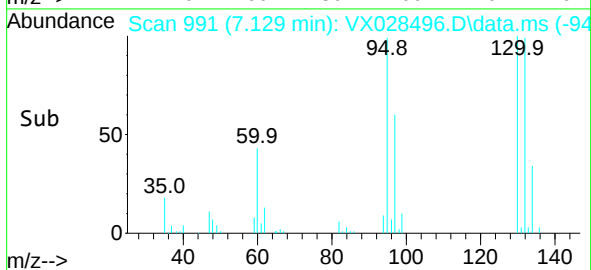
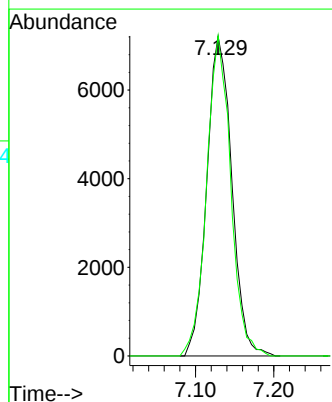
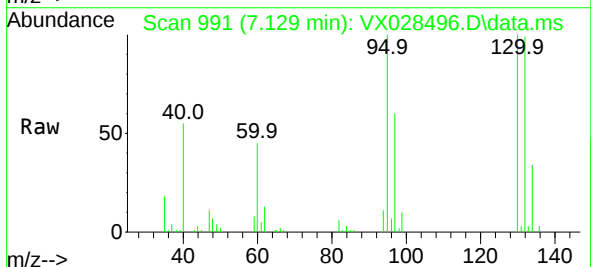
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-20220429

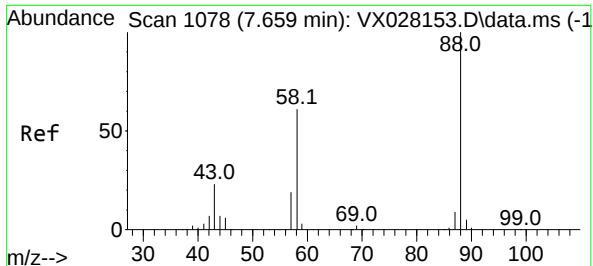
Tgt Ion:117 Resp: 40486
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 2.979 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

Tgt Ion:130 Resp: 16016
Ion Ratio Lower Upper
130 100
95 100.1 0.0 188.8

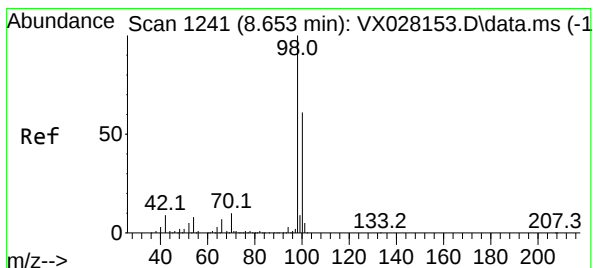
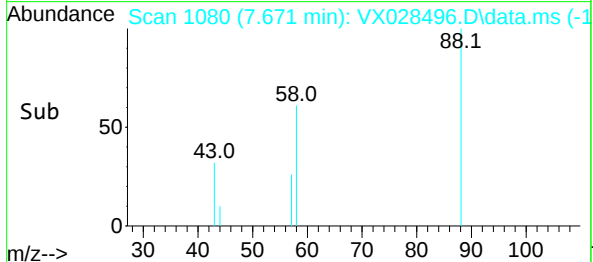
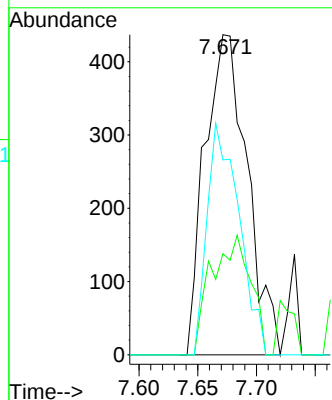
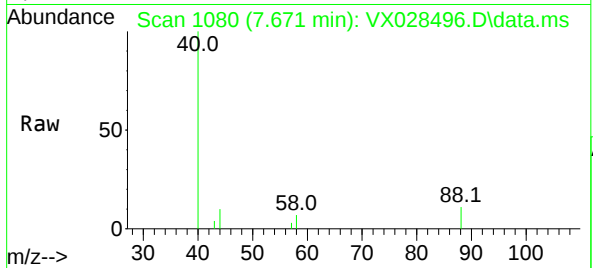




#49
1,4-Dioxane
Concen: 8.533 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

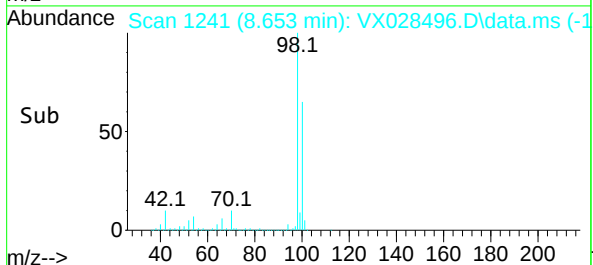
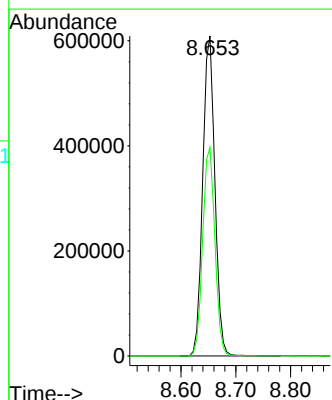
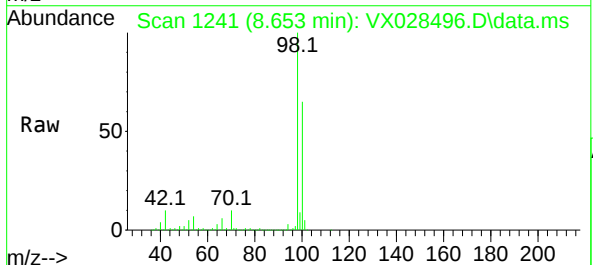
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-20220429

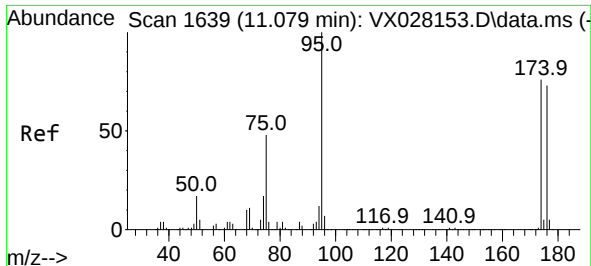
Tgt Ion: 88 Resp: 1096
Ion Ratio Lower Upper
88 100
43 34.3 21.9 32.9#
58 54.6 53.7 80.5



#50
Toluene-d8
Concen: 50.278 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

Tgt Ion: 98 Resp: 937540
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 47.680 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028496.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW172S1-20220429

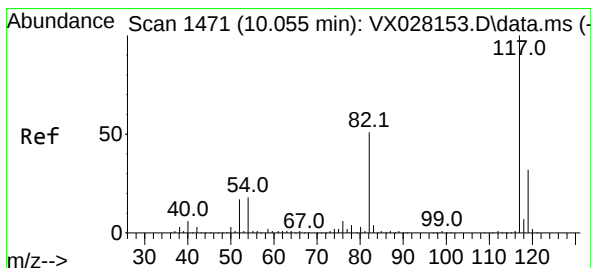
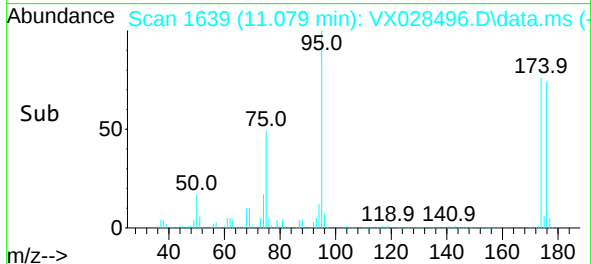
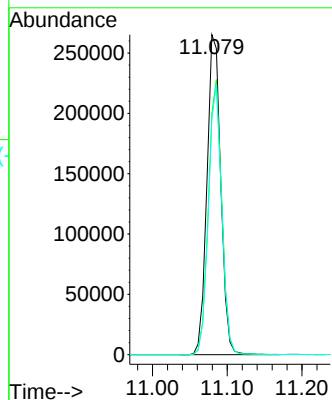
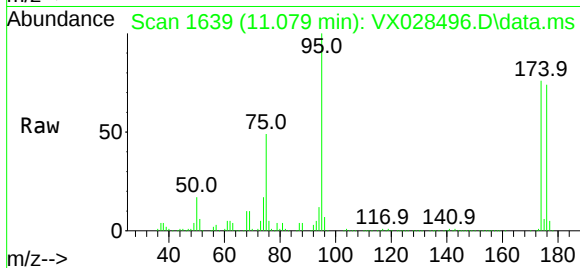
Tgt Ion: 95 Resp: 339951

Ion Ratio Lower Upper

95 100

174 83.7 0.0 163.0

176 81.6 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: VX028496.D

Acq: 03 May 2022 13:03

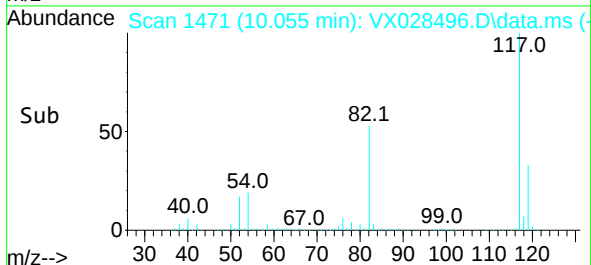
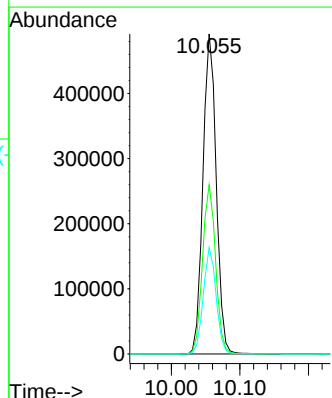
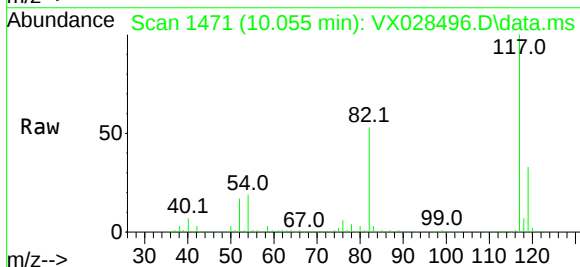
Tgt Ion: 117 Resp: 665030

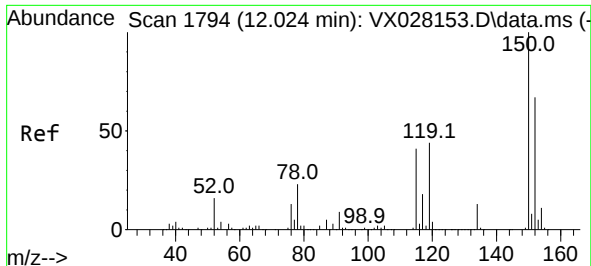
Ion Ratio Lower Upper

117 100

82 52.9 41.8 62.8

119 33.2 24.8 37.2

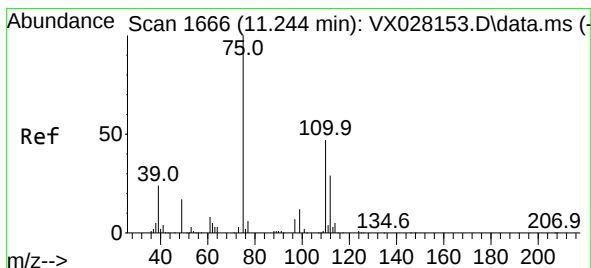
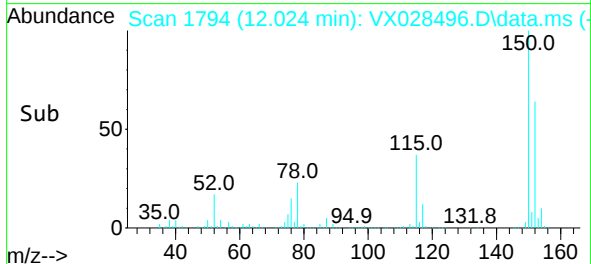
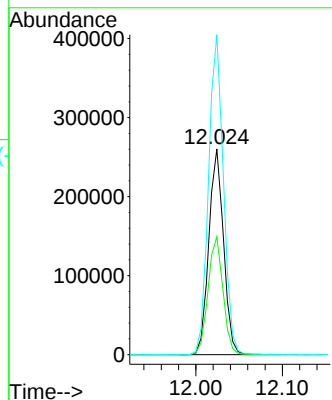
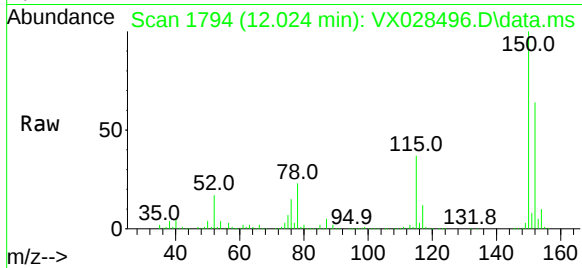




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028496.D
 Acq: 03 May 2022 13:03

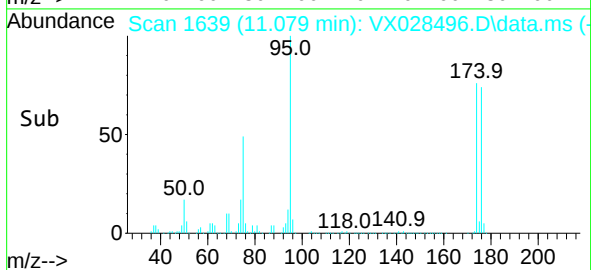
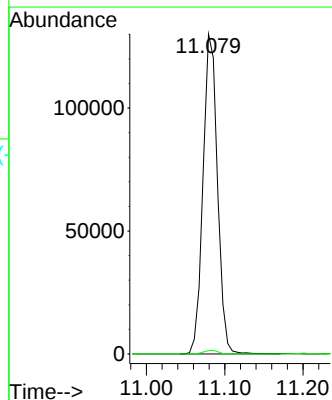
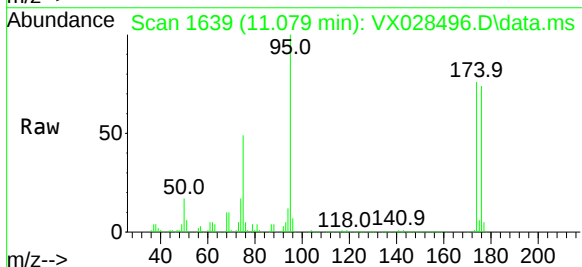
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW172S1-20220429

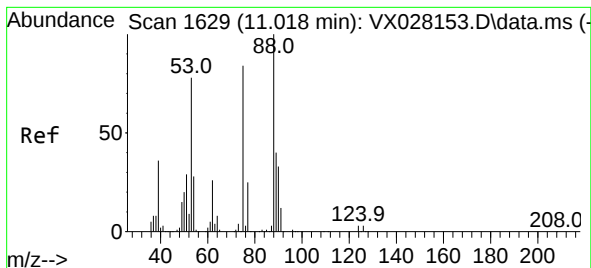
Tgt Ion:152 Resp: 308311
 Ion Ratio Lower Upper
 152 100
 115 57.9 37.5 112.7
 150 156.5 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 27.442 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028496.D
 Acq: 03 May 2022 13:03

Tgt Ion: 75 Resp: 166512
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#

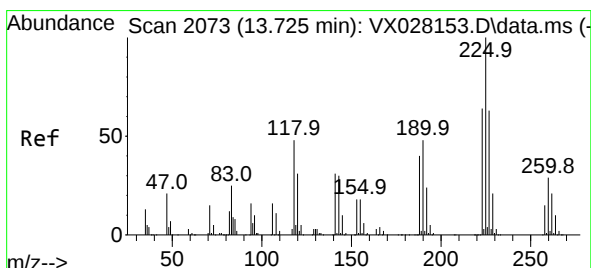
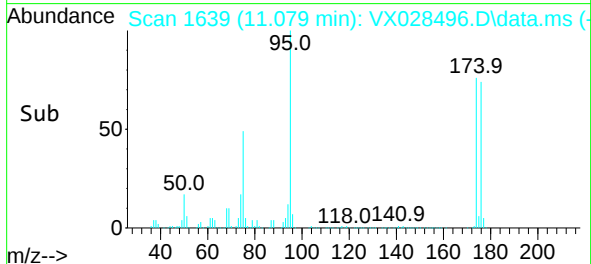
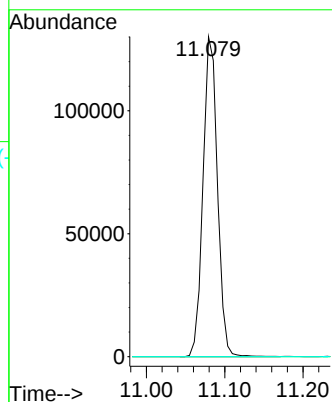
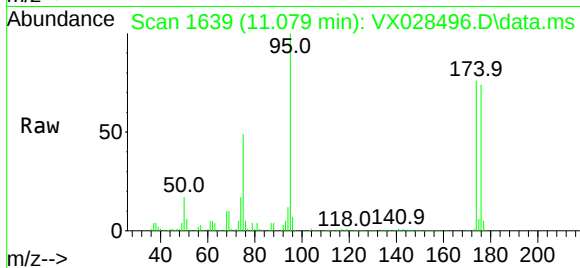




#81
trans-1,4-Dichloro-2-butene
Concen: 81.551 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

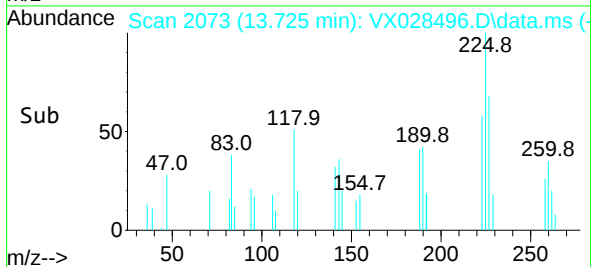
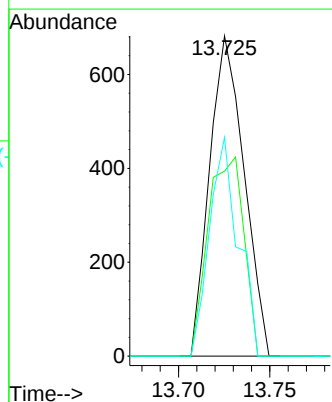
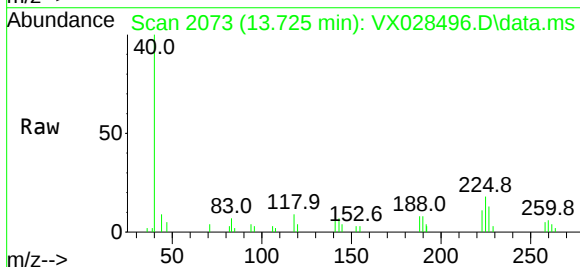
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-20220429

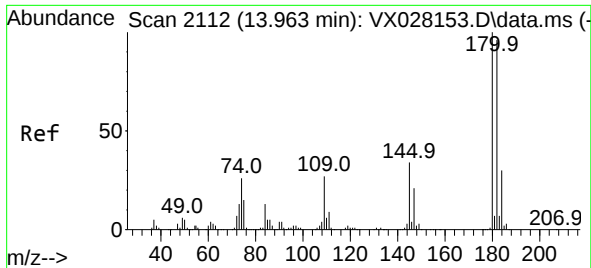
Tgt Ion: 75 Resp: 166512
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#94
Hexachlorobutadiene
Concen: 0.327 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX028496.D
Acq: 03 May 2022 13:03

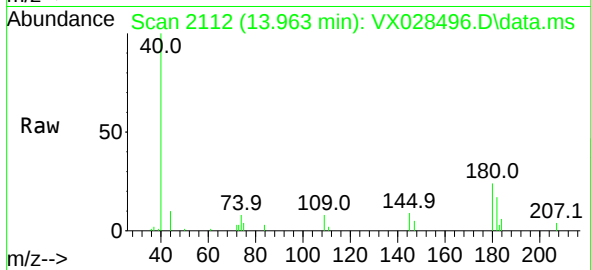
Tgt Ion: 225 Resp: 895
Ion Ratio Lower Upper
225 100
223 64.4 34.2 102.5
227 57.1 33.9 101.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.206 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX028496.D
 Acq: 03 May 2022 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW172S1-20220429



Tgt Ion:	180	Resp:	1237
Ion	Ratio	Lower	Upper
180	100		
182	98.5	50.0	149.8
145	38.7	16.2	48.5

