

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042122\
 Data File : VX028240.D
 Acq On : 21 Apr 2022 14:50
 Operator : JC/MD
 Sample : N2516-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW172S1-250-252

Quant Time: Apr 22 06:12:58 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)

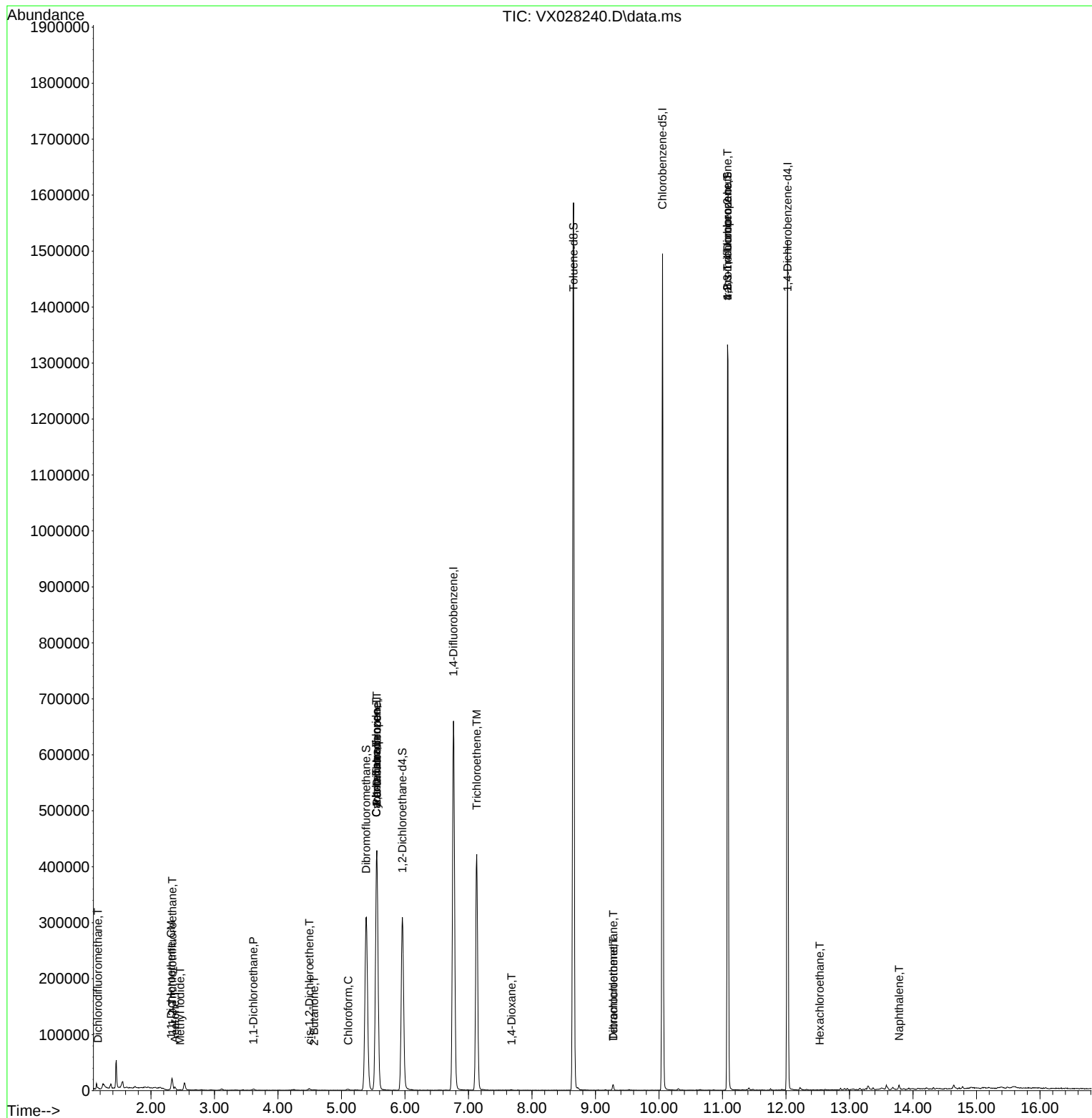
Internal Standards						
1) Pentafluorobenzene	5.556	168	418527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	717015	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	678571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	322117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	296039	54.248	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.500%			
35) Dibromofluoromethane	5.385	113	269027	53.502	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.000%			
50) Toluene-d8	8.653	98	981799	50.836	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.680%			
62) 4-Bromofluorobenzene	11.079	95	359179	48.640	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	707	0.262	ug/l	81
3) Chloromethane	1.288	50	535	Below Cal	#	73
5) Bromomethane	1.624	94	835	Below Cal		97
6) Chloroethane	1.666	64	188	Below Cal	#	85
8) Diethyl Ether	2.057	74	27	Below Cal	#	1
9) 1,1,2-Trichlorotrifluo...	2.337	101	6976	2.058	ug/l	96
10) Methyl Iodide	2.459	142	754	5.380	ug/l #	75
11) Tert butyl alcohol	2.941	59	210	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	1469	0.457	ug/l #	73
16) Acetone	2.380	43	5790	2.089	ug/l	90
24) 1,1-Dichloroethane	3.611	63	2393	0.330	ug/l #	81
25) 2-Butanone	4.568	43	1281	0.396	ug/l #	78
27) cis-1,2-Dichloroethene	4.495	96	1751	0.336	ug/l	94
30) Chloroform	5.105	83	2187	0.251	ug/l	86
31) Cyclohexane	5.550	56	7866	1.183	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	30796	4.695	ug/l #	50
38) Carbon Tetrachloride	5.550	117	42636	5.758	ug/l #	15
44) Trichloroethene	7.129	130	170487	30.621	ug/l	95
49) 1,4-Dioxane	7.678	88	662	4.976	ug/l #	85
60) Dibromochloromethane	9.281	129	1598	0.270	ug/l #	9
64) Tetrachloroethene	9.281	164	1770	0.334	ug/l #	90
76) 1,2,3-Trichloropropane	11.079	75	175155	27.629	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	175155	82.107	ug/l #	15
90) Hexachloroethane	12.530	117	53	1.828	ug/l #	10
95) Naphthalene	13.780	128	4697	0.220	ug/l #	92

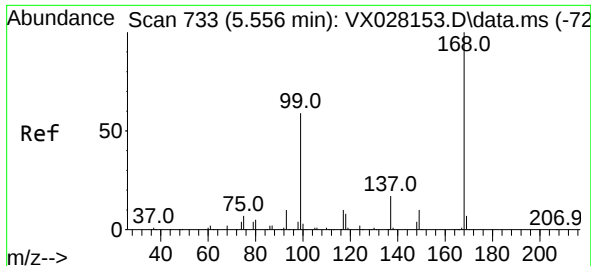
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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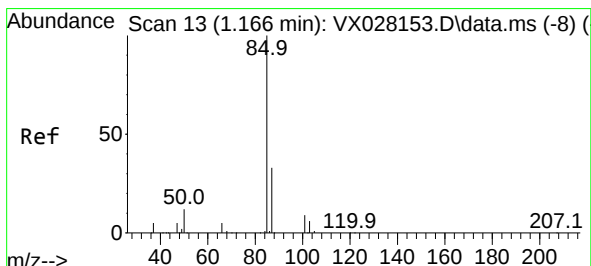
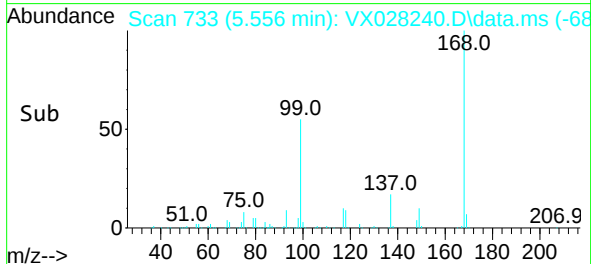
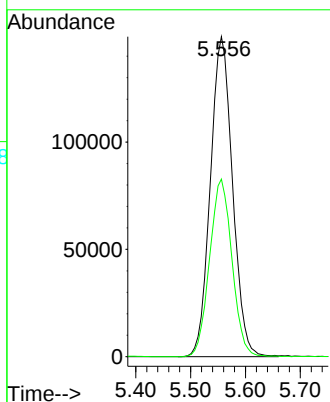
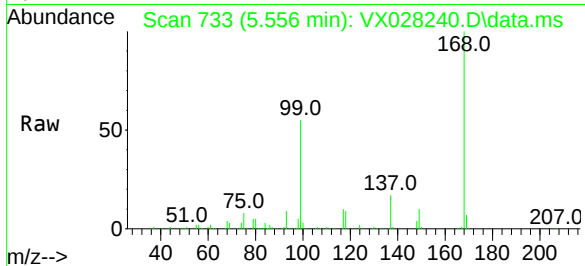




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

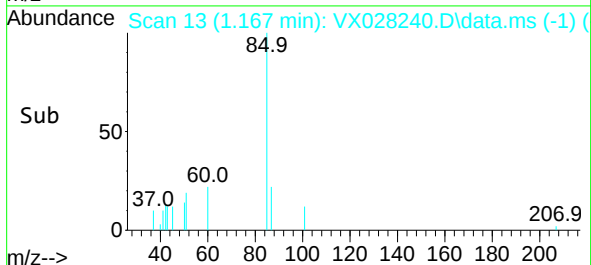
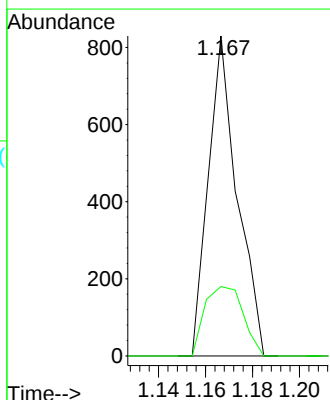
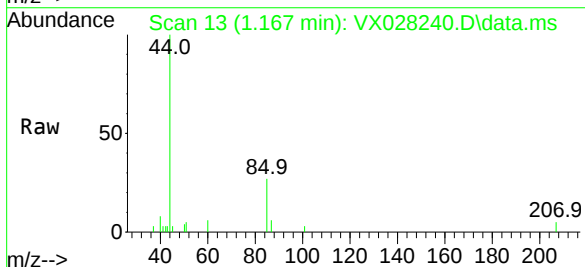
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-250-252

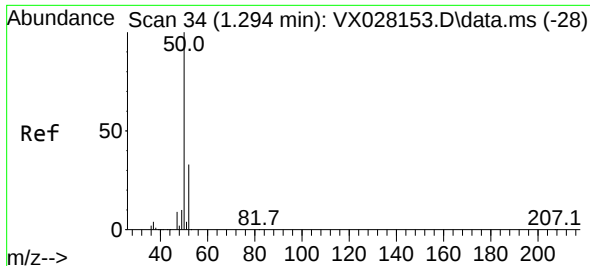
Tgt Ion:168 Resp: 418527
Ion Ratio Lower Upper
168 100
99 55.5 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.262 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

Tgt Ion: 85 Resp: 707
Ion Ratio Lower Upper
85 100
87 21.7 16.2 48.6

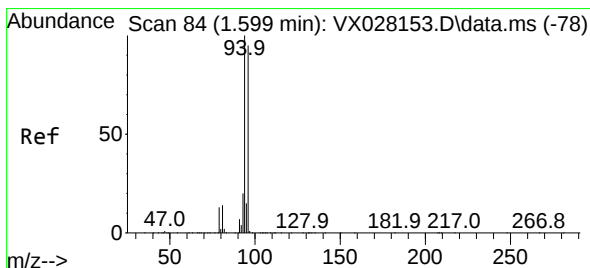
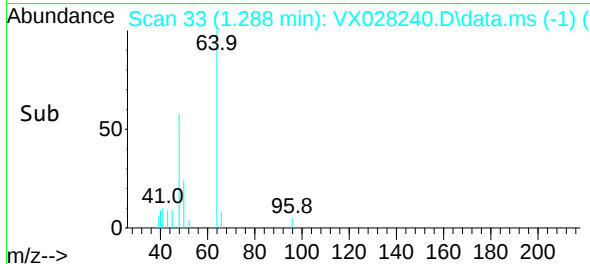
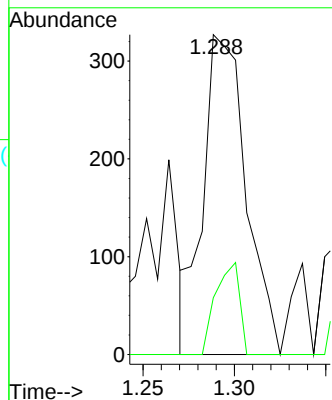
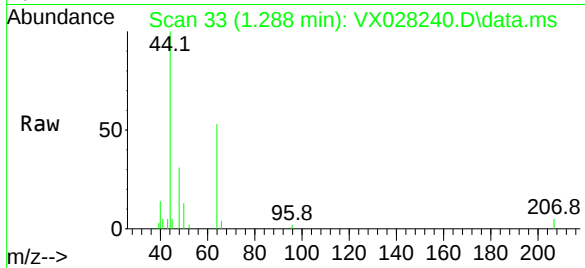




#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

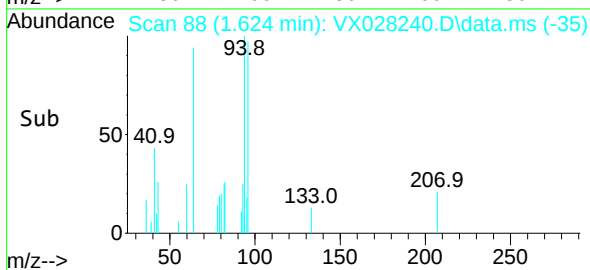
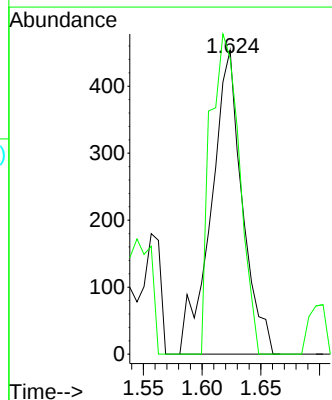
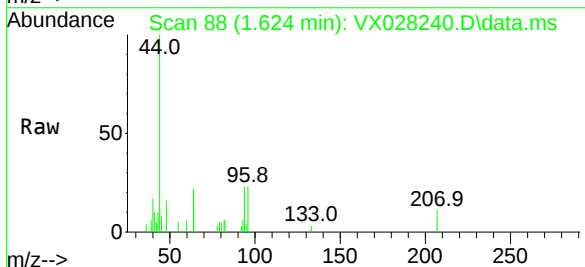
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-250-252

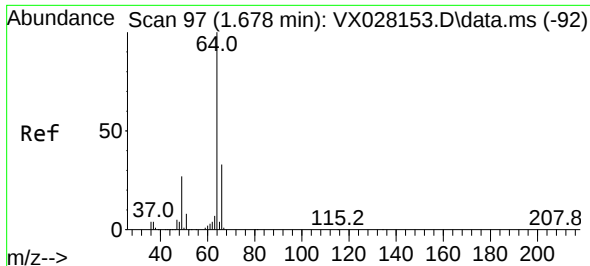
Tgt Ion: 50 Resp: 535
Ion Ratio Lower Upper
50 100
52 17.7 26.4 39.6#



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

Tgt Ion: 94 Resp: 835
Ion Ratio Lower Upper
94 100
96 97.4 75.3 112.9

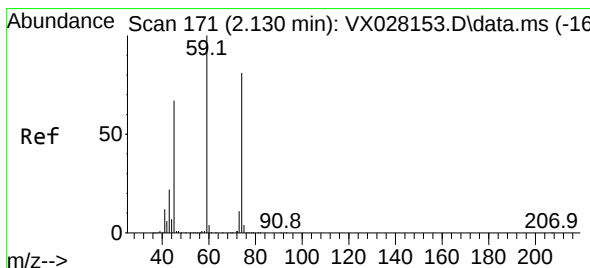
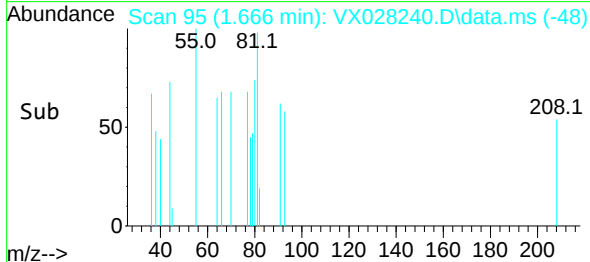
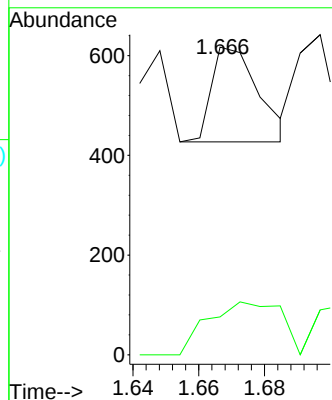
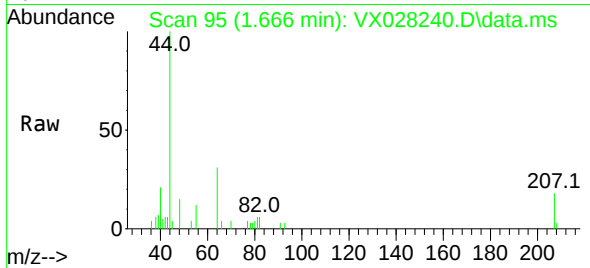




#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

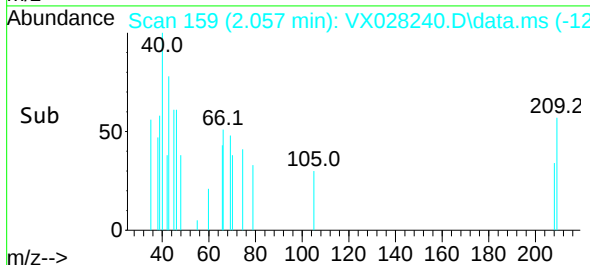
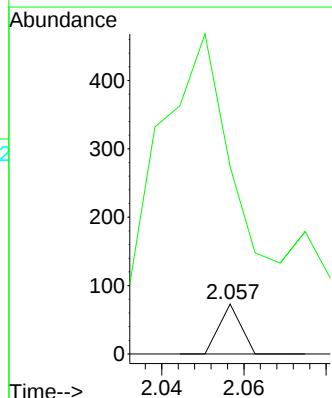
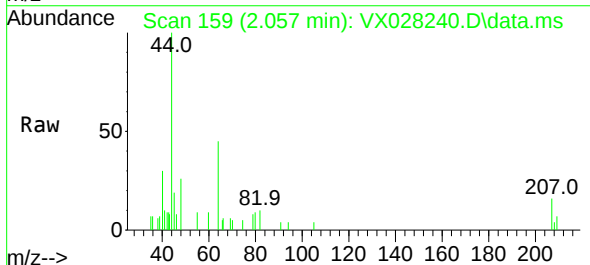
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-250-252

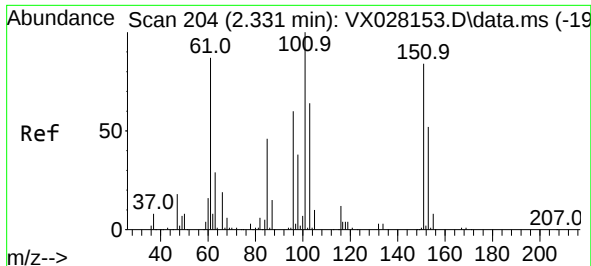
Tgt Ion: 64 Resp: 188
Ion Ratio Lower Upper
64 100
66 40.0 25.3 37.9#



#8
Diethyl Ether
Concen: Below Cal
RT: 2.057 min Scan# 159
Delta R.T. -0.073 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

Tgt Ion: 74 Resp: 27
Ion Ratio Lower Upper
74 100
45 2614.8 42.0 126.0#

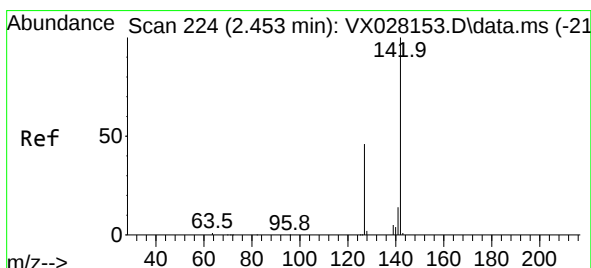
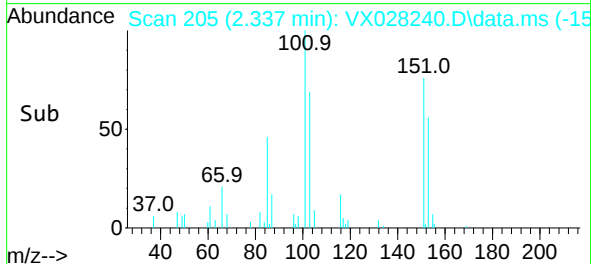
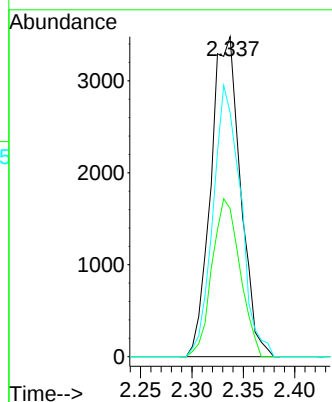
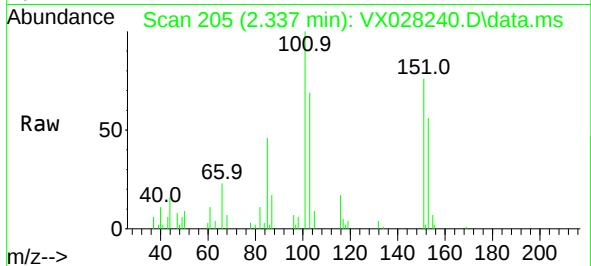




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.058 ug/l
RT: 2.337 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

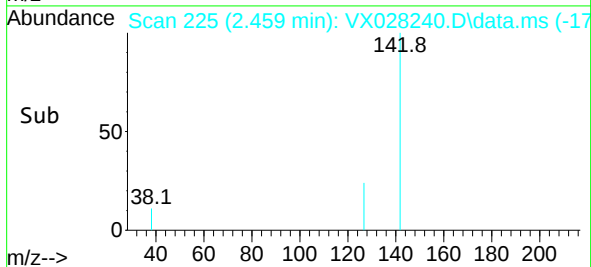
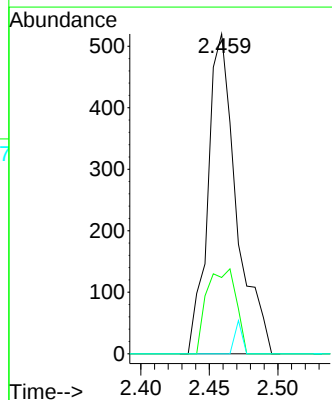
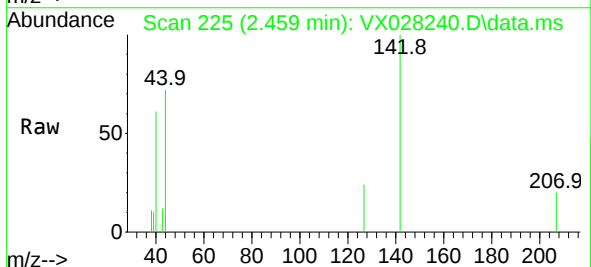
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-250-252

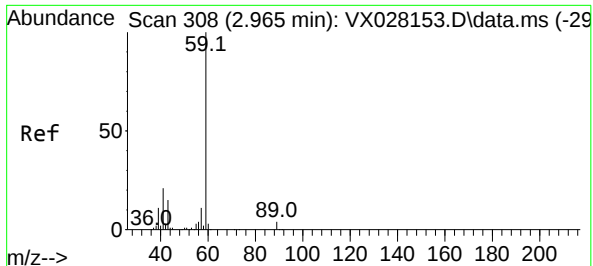
Tgt Ion:101 Resp: 6976
Ion Ratio Lower Upper
101 100
85 46.4 33.5 50.3
151 79.2 61.8 92.6



#10
Methyl Iodide
Concen: 5.380 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

Tgt Ion:142 Resp: 754
Ion Ratio Lower Upper
142 100
127 27.2 33.9 50.9#
141 2.7 11.4 17.2#

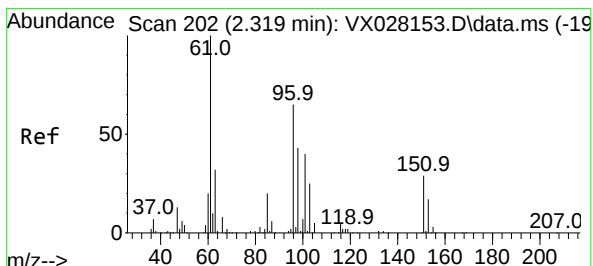
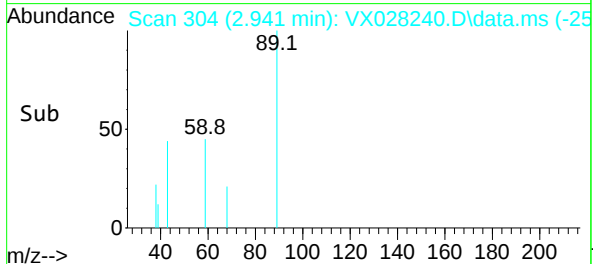
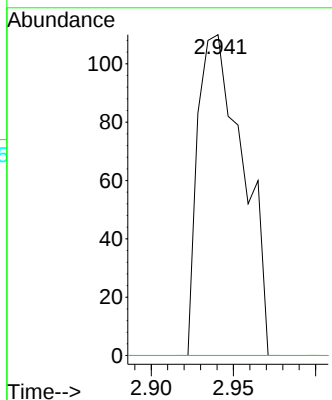
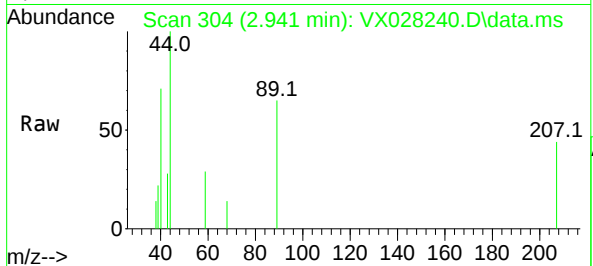




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

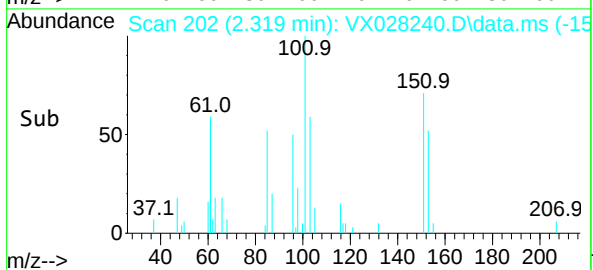
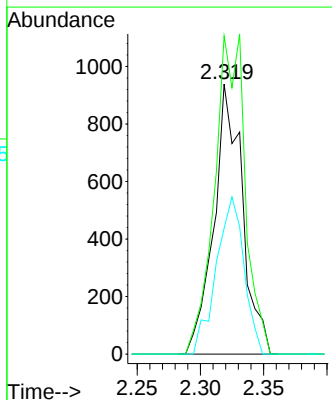
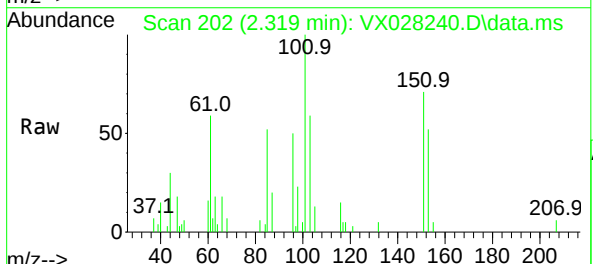
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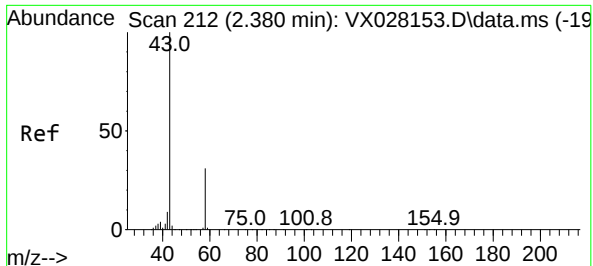
Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.457 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

Tgt Ion: 96 Resp: 1469
Ion Ratio Lower Upper
96 100
61 117.8 124.6 187.0#
98 46.5 51.0 76.4#

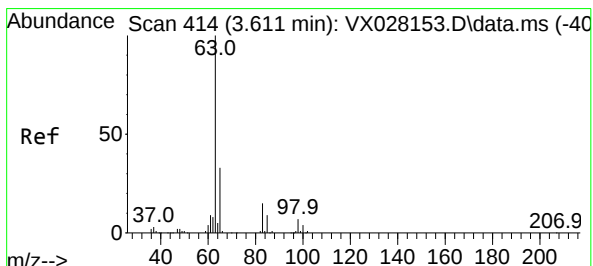
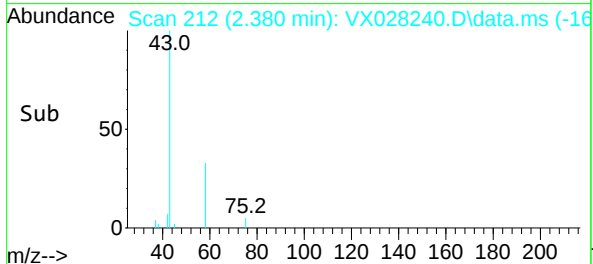
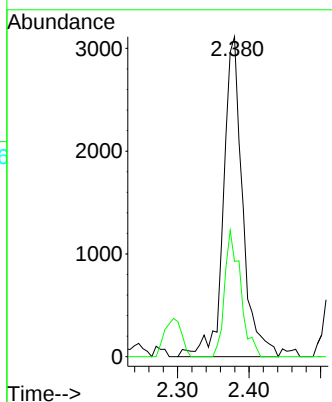
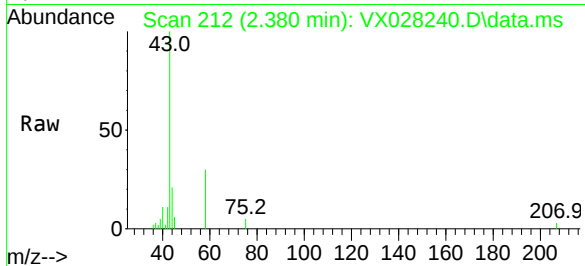




#16
Acetone
Concen: 2.089 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

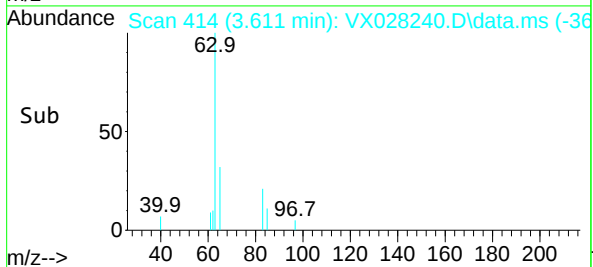
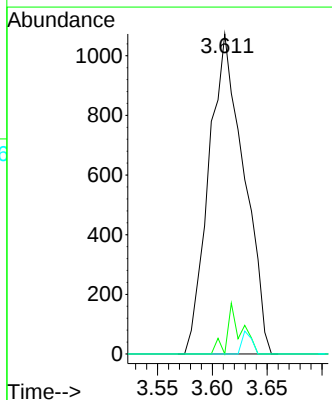
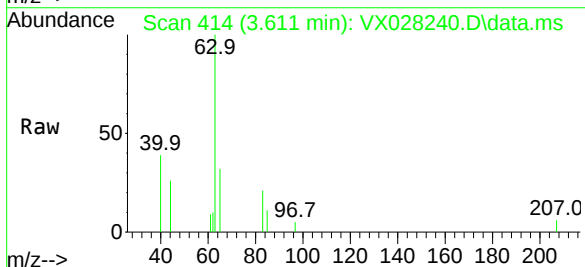
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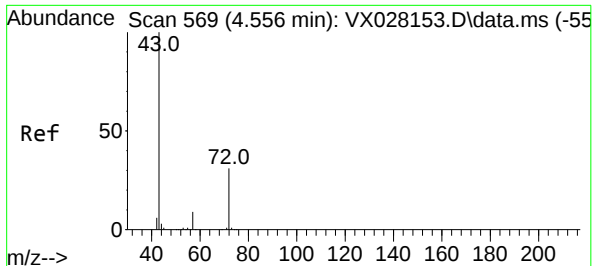
Tgt Ion: 43 Resp: 5790
Ion Ratio Lower Upper
43 100
58 29.8 28.8 43.2



#24
1,1-Dichloroethane
Concen: 0.330 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

Tgt Ion: 63 Resp: 2393
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.4 7.2#





#25

2-Butanone

Concen: 0.396 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028240.D

Acq: 21 Apr 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

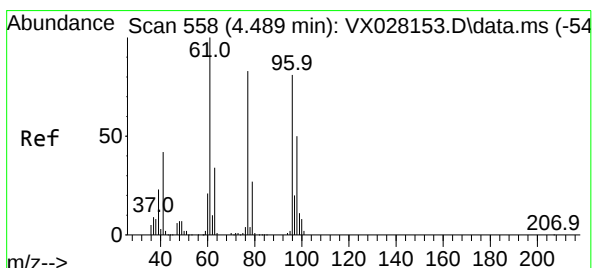
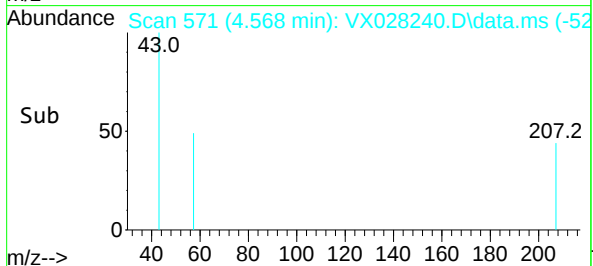
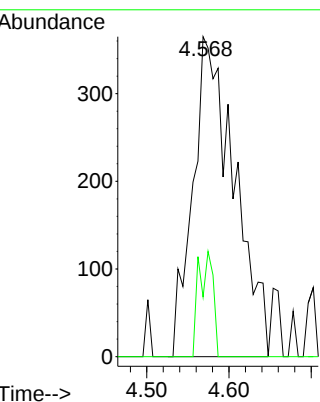
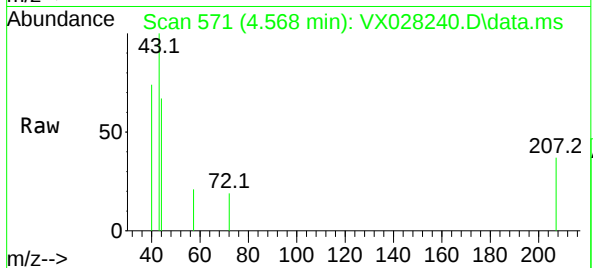
BP-TT-MW172S1-250-252

Tgt Ion: 43 Resp: 1281

Ion Ratio Lower Upper

43 100

72 18.6 24.4 36.6#



#27

cis-1,2-Dichloroethene

Concen: 0.336 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX028240.D

Acq: 21 Apr 2022 14:50

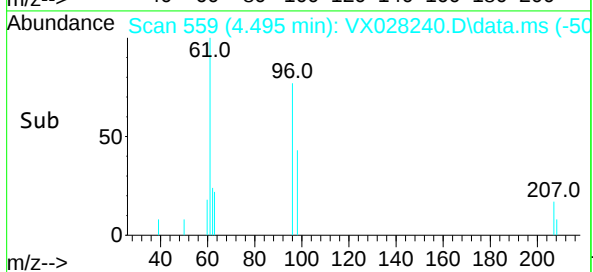
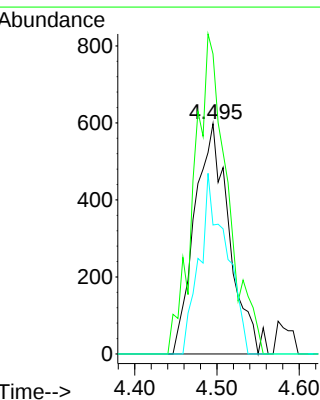
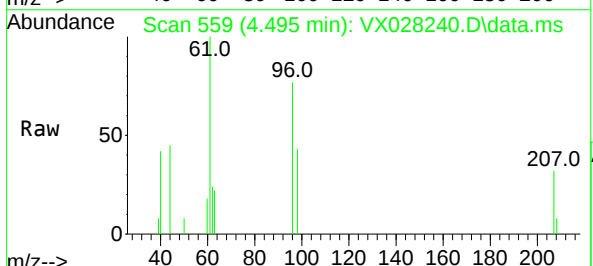
Tgt Ion: 96 Resp: 1751

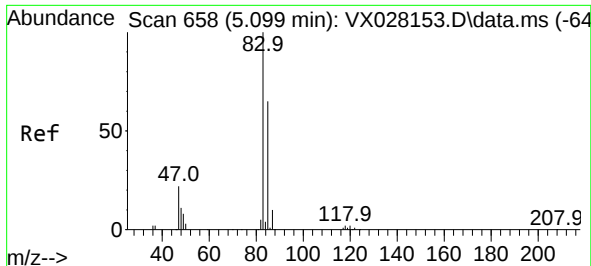
Ion Ratio Lower Upper

96 100

61 133.2 0.0 283.8

98 61.1 0.0 129.8





#30

Chloroform

Concen: 0.251 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX028240.D

Acq: 21 Apr 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

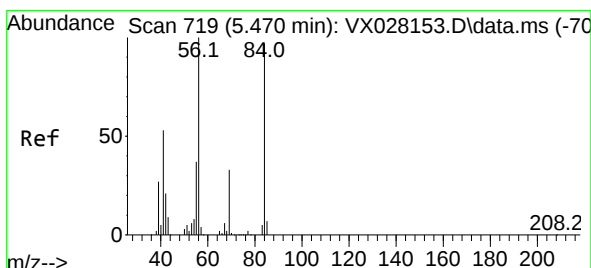
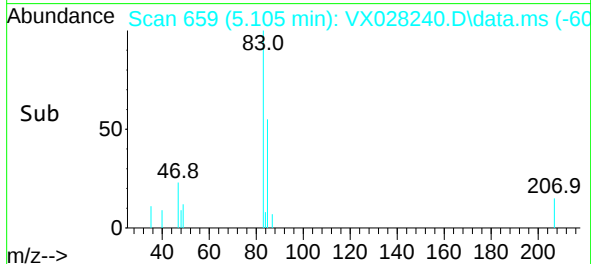
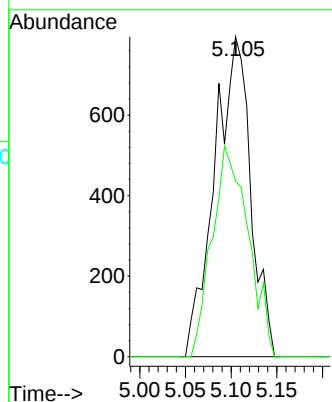
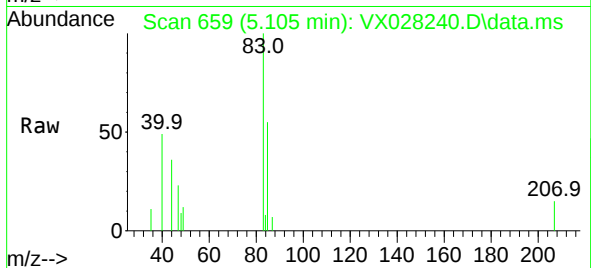
BP-TT-MW172S1-250-252

Tgt Ion: 83 Resp: 2187

Ion Ratio Lower Upper

83 100

85 55.0 52.7 79.1



#31

Cyclohexane

Concen: 1.183 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028240.D

Acq: 21 Apr 2022 14:50

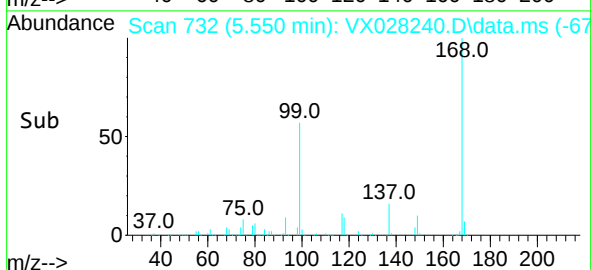
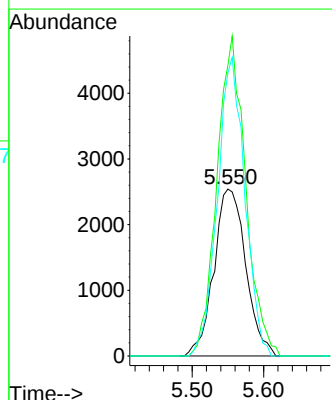
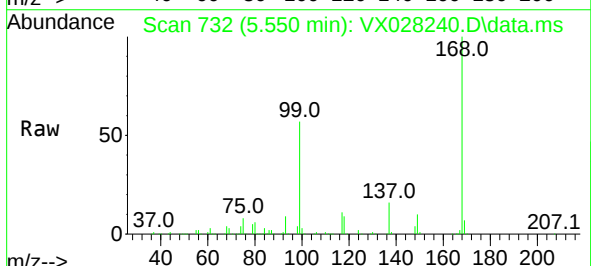
Tgt Ion: 56 Resp: 7866

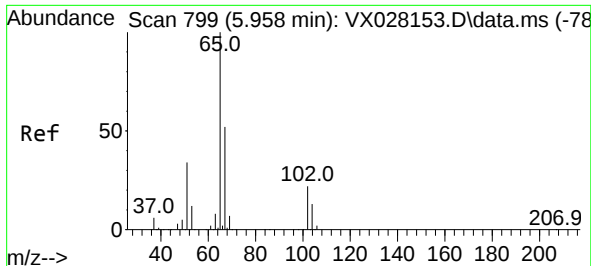
Ion Ratio Lower Upper

56 100

69 174.0 26.7 40.1#

84 169.7 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 54.248 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028240.D

Acq: 21 Apr 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

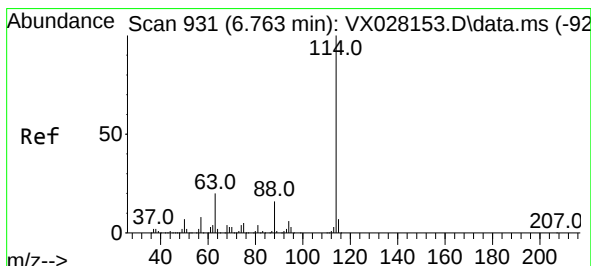
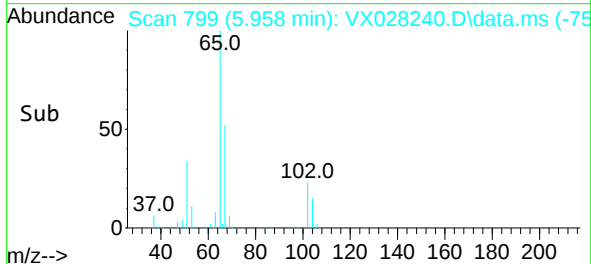
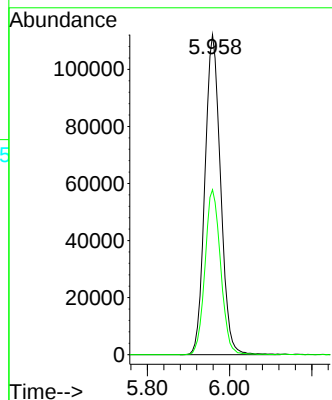
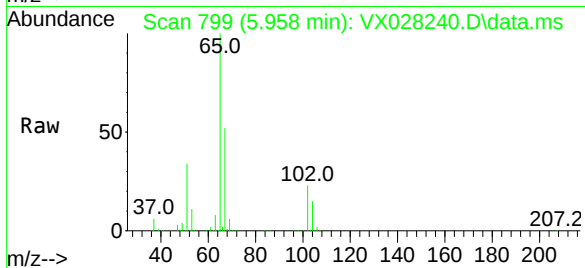
BP-TT-MW172S1-250-252

Tgt Ion: 65 Resp: 296039

Ion Ratio Lower Upper

65 100

67 51.5 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: VX028240.D

Acq: 21 Apr 2022 14:50

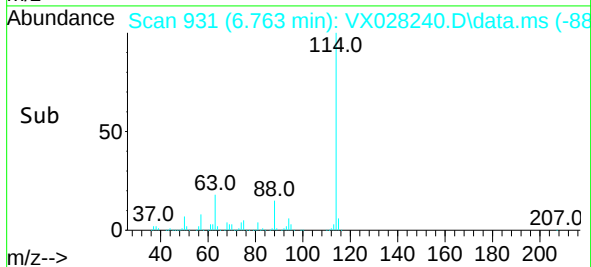
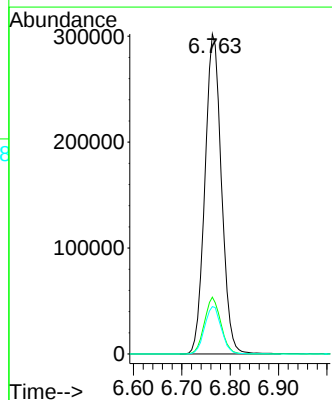
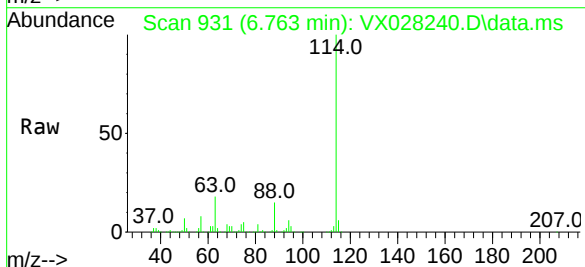
Tgt Ion: 114 Resp: 717015

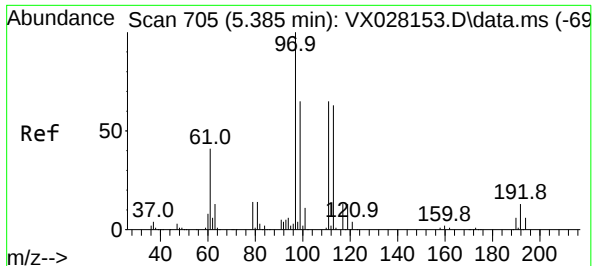
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.8

88 14.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.502 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028240.D

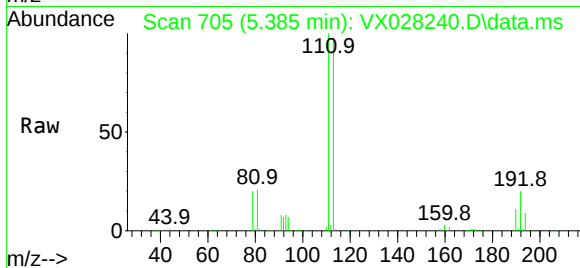
Acq: 21 Apr 2022 14:50

Instrument :

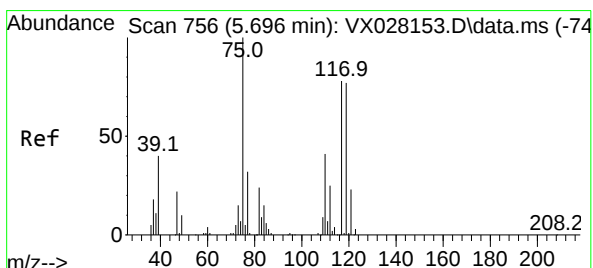
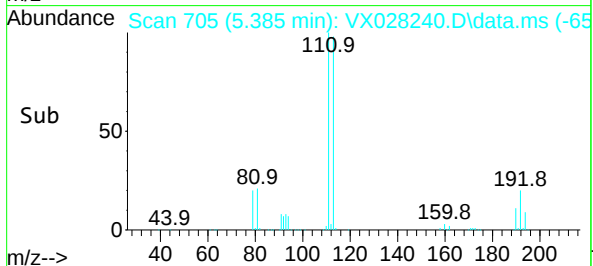
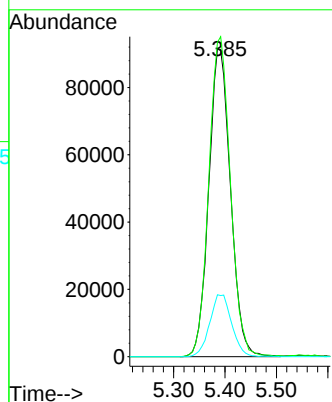
MSVOA_X

ClientSampleId :

BP-TT-MW172S1-250-252



Tgt Ion:	113	Resp:	269027
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.8	124.2
192	20.4	16.9	25.3



#36

1,1-Dichloropropene

Concen: 4.695 ug/l

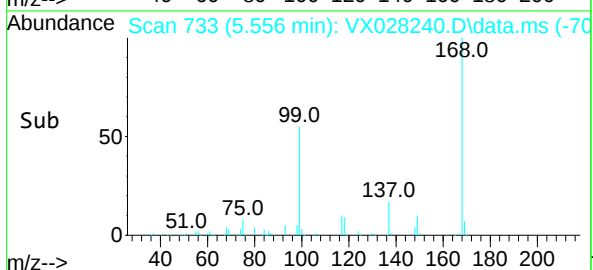
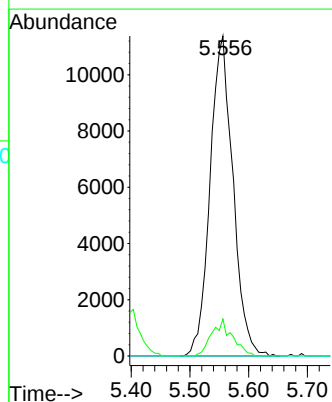
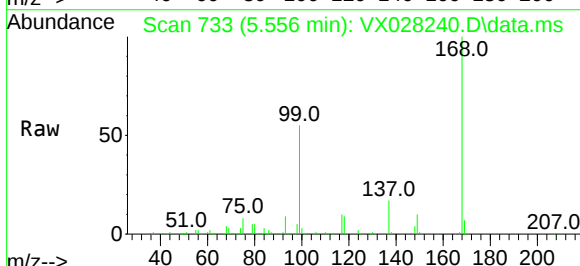
RT: 5.556 min Scan# 733

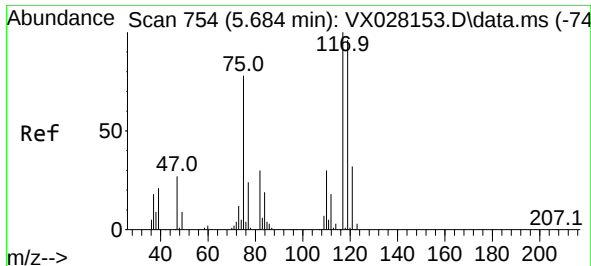
Delta R.T. -0.140 min

Lab File: VX028240.D

Acq: 21 Apr 2022 14:50

Tgt Ion:	75	Resp:	30796
Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.3	54.8#
77	0.0	24.8	37.2#

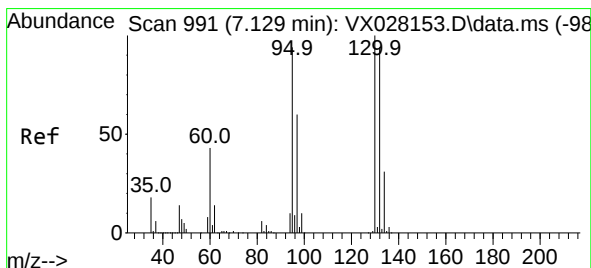
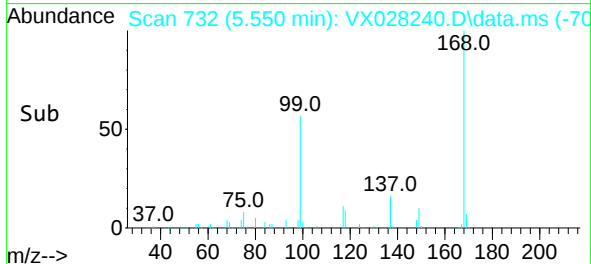
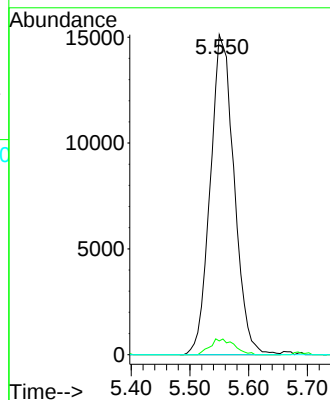
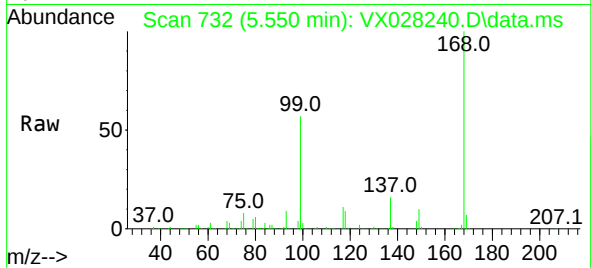




#38
Carbon Tetrachloride
Concen: 5.758 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

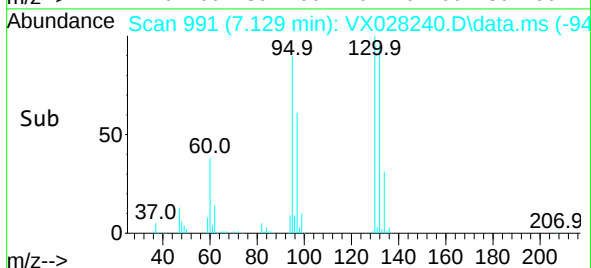
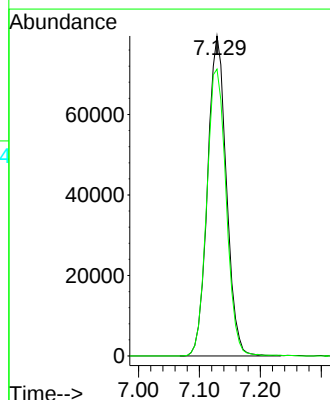
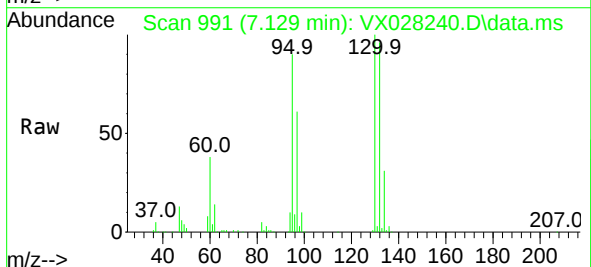
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-250-252

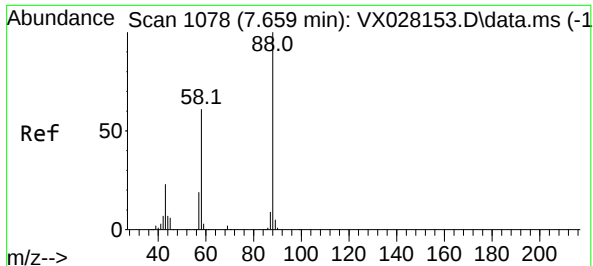
Tgt Ion:117 Resp: 42636
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 30.621 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

Tgt Ion:130 Resp: 170487
Ion Ratio Lower Upper
130 100
95 89.7 0.0 188.8





#49

1,4-Dioxane

Concen: 4.976 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. 0.019 min

Lab File: VX028240.D

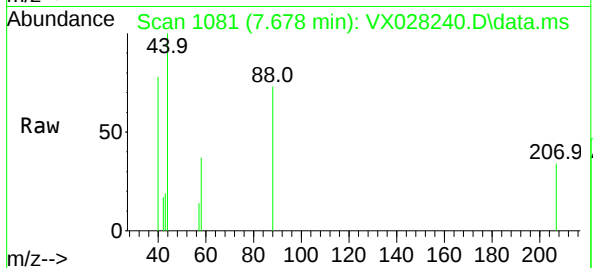
Acq: 21 Apr 2022 14:50

Instrument :

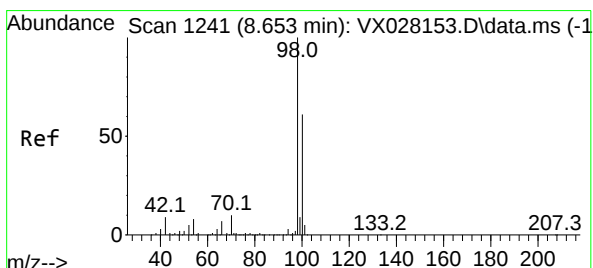
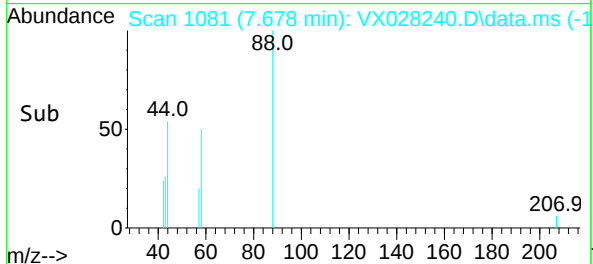
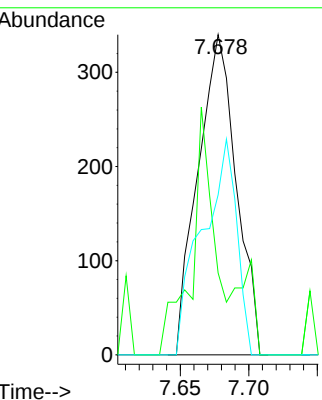
MSVOA_X

ClientSampleId :

BP-TT-MW172S1-250-252



Tgt Ion: 88	Resp: 662
Ion Ratio	Lower Upper
88	100
43	45.0 21.9 32.9#
58	60.7 53.7 80.5



#50

Toluene-d8

Concen: 50.836 ug/l

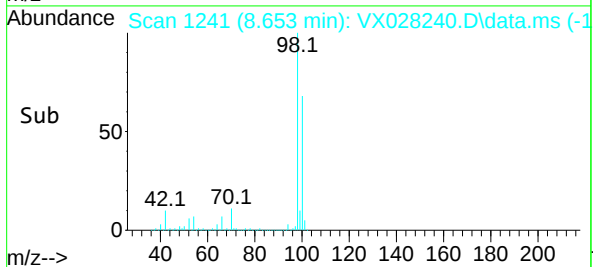
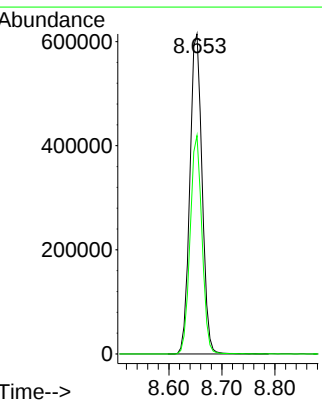
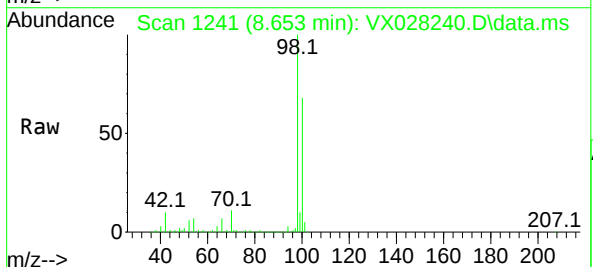
RT: 8.653 min Scan# 1241

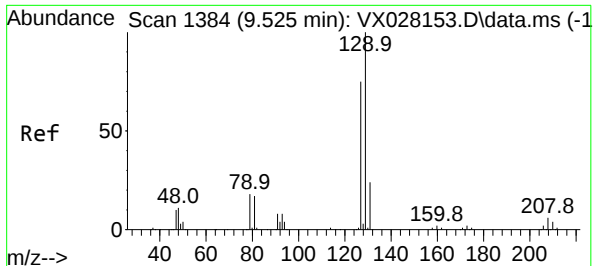
Delta R.T. -0.000 min

Lab File: VX028240.D

Acq: 21 Apr 2022 14:50

Tgt Ion: 98	Resp: 981799
Ion Ratio	Lower Upper
98	100
100	66.2 52.6 78.8

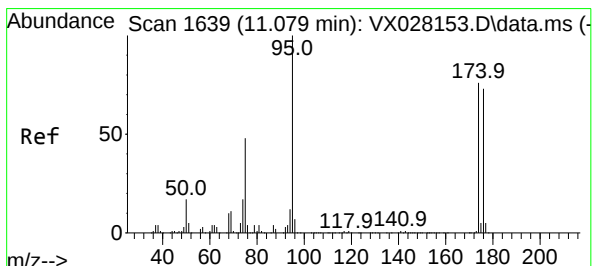
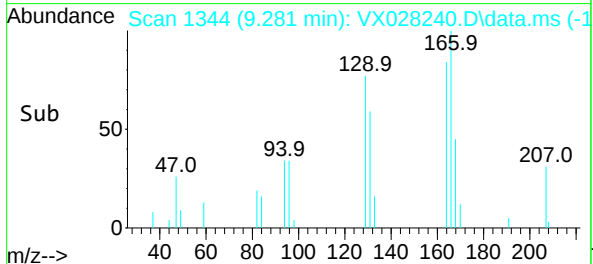
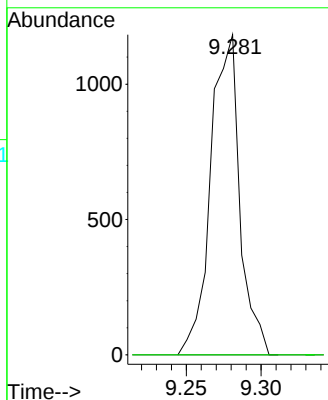
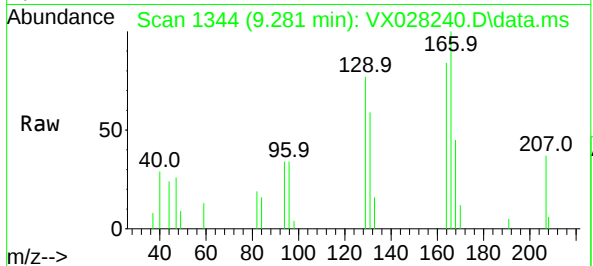




#60
Dibromochloromethane
Concen: 0.270 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

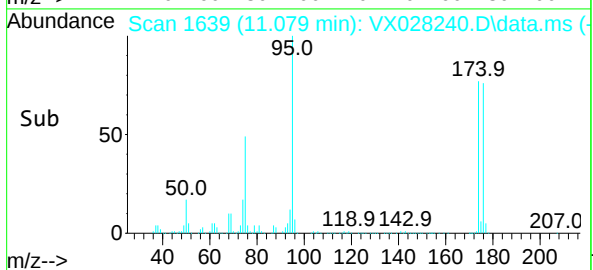
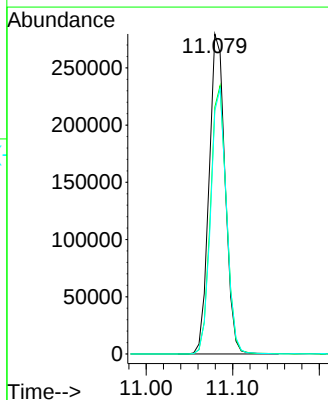
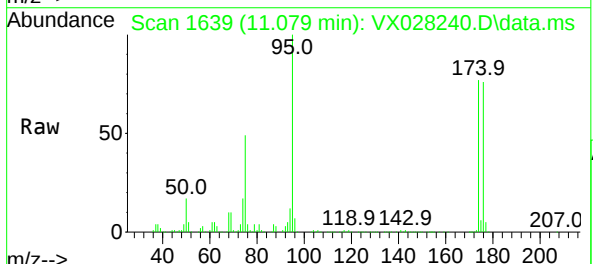
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-250-252

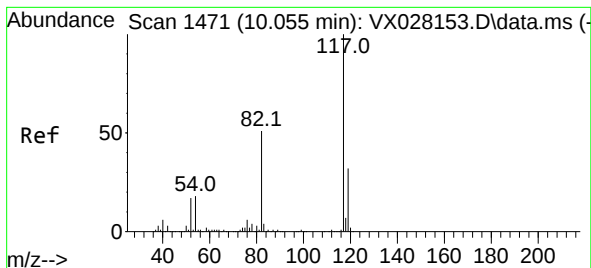
Tgt Ion:129 Resp: 1598
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 48.640 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

Tgt Ion: 95 Resp: 359179
Ion Ratio Lower Upper
95 100
174 83.1 0.0 163.0
176 81.9 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: VX028240.D

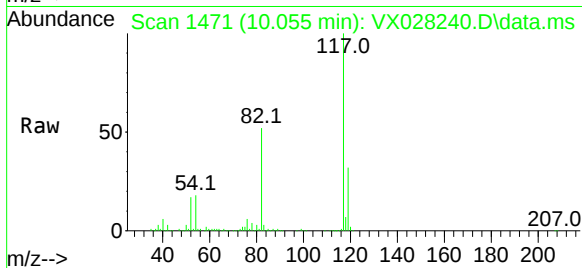
Acq: 21 Apr 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW172S1-250-252



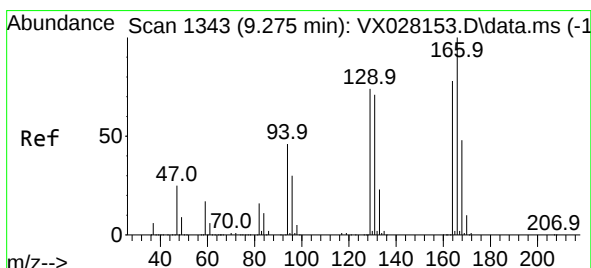
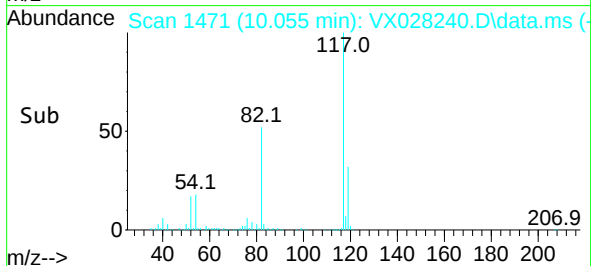
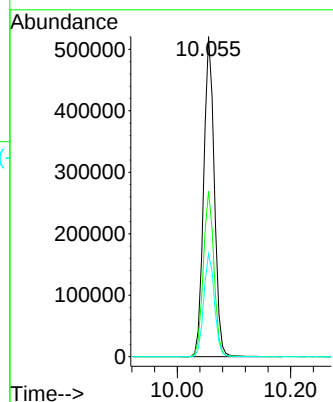
Tgt Ion:117 Resp: 678571

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

119 32.2 24.8 37.2



#64

Tetrachloroethene

Concen: 0.334 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX028240.D

Acq: 21 Apr 2022 14:50

Tgt Ion:164 Resp: 1770

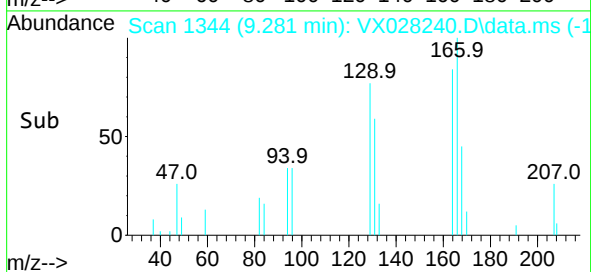
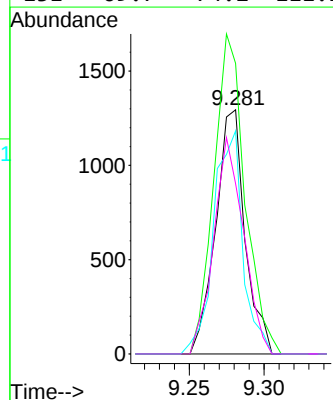
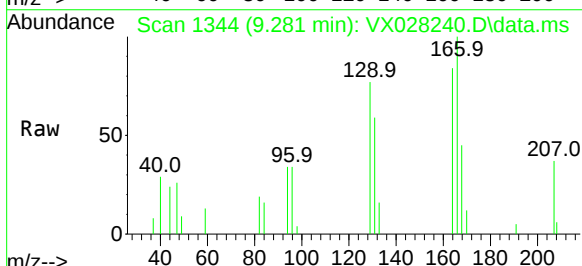
Ion Ratio Lower Upper

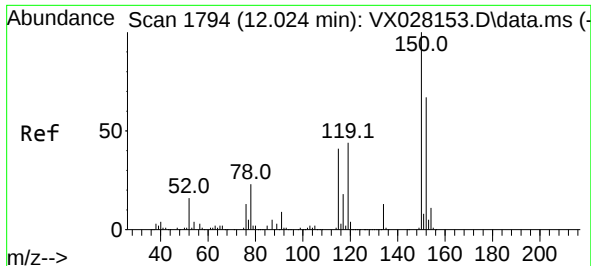
164 100

166 119.0 101.2 151.8

129 91.4 73.0 109.4

131 69.7 74.2 111.2#

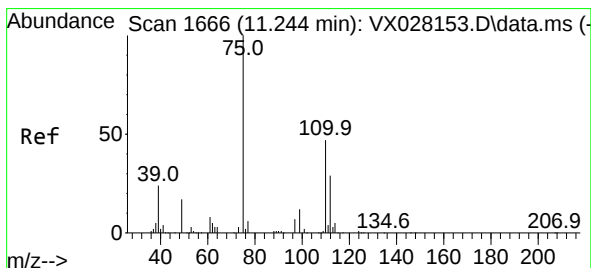
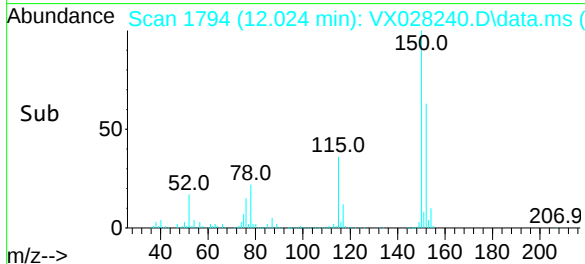
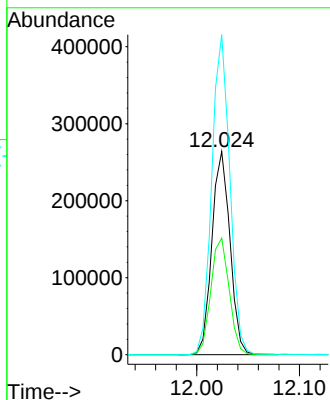
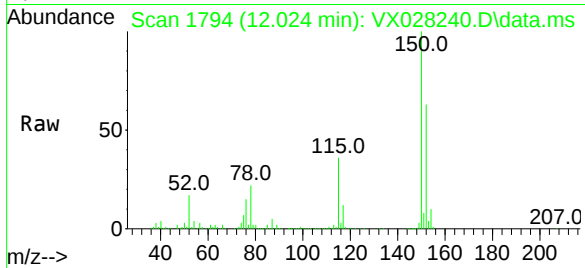




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

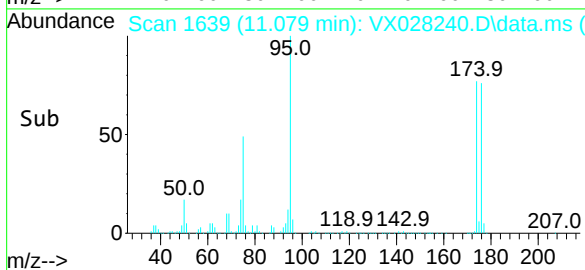
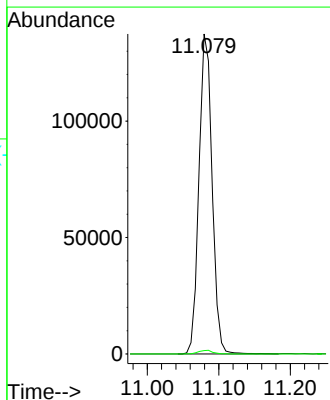
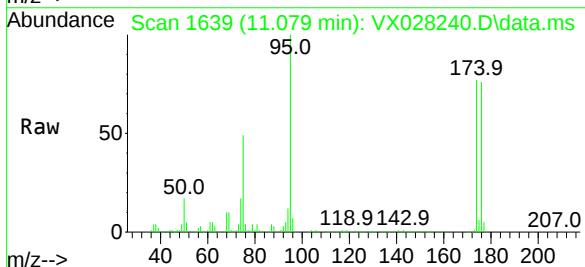
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-250-252

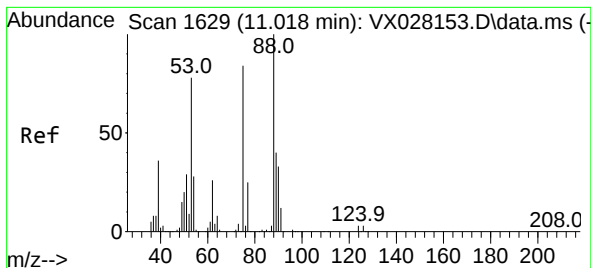
Tgt Ion:152 Resp: 322117
Ion Ratio Lower Upper
152 100
115 58.4 37.5 112.7
150 157.2 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 27.629 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

Tgt Ion: 75 Resp: 175155
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#

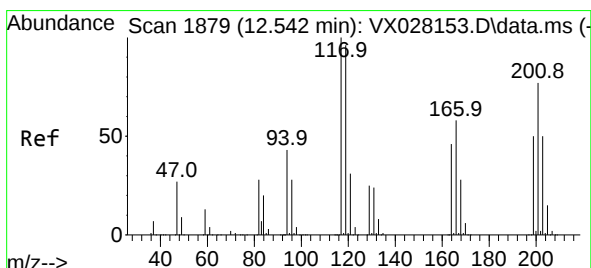
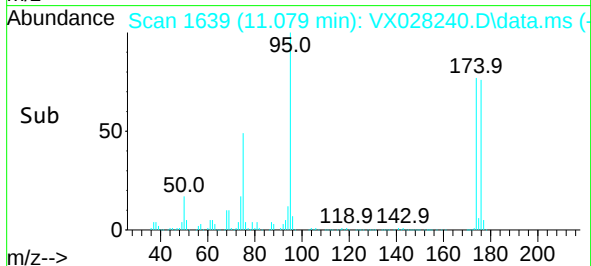
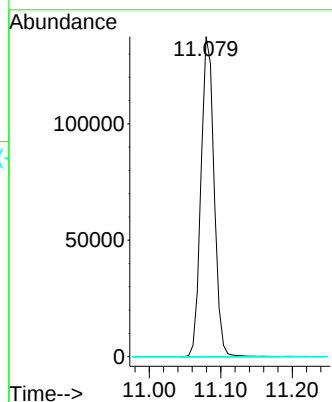
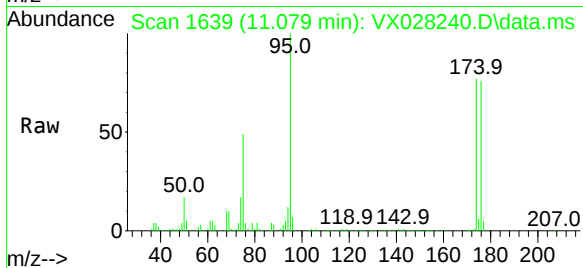




#81
trans-1,4-Dichloro-2-butene
Concen: 82.107 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

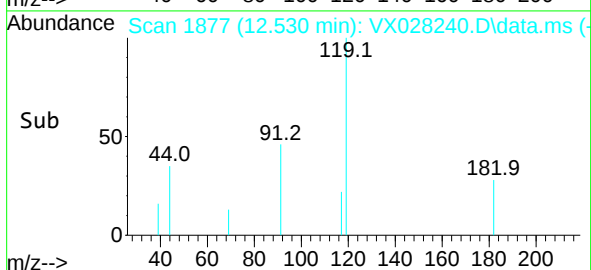
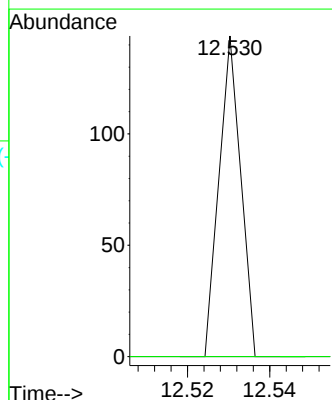
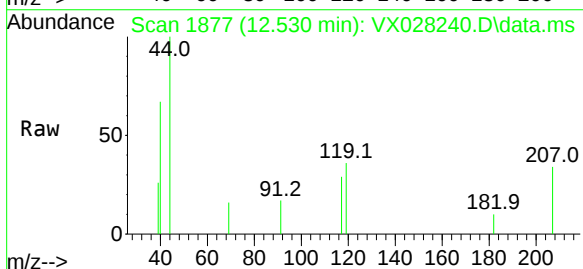
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW172S1-250-252

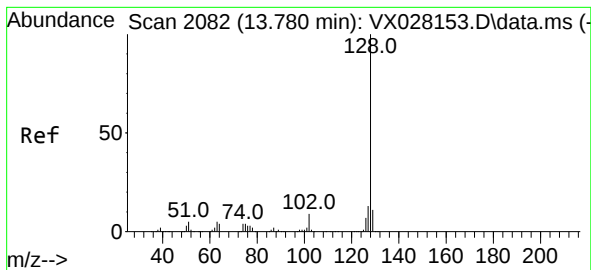
Tgt Ion: 75 Resp: 175155
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.828 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.012 min
Lab File: VX028240.D
Acq: 21 Apr 2022 14:50

Tgt Ion: 117 Resp: 53
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#





#95

Naphthalene

Concen: 0.220 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX028240.D

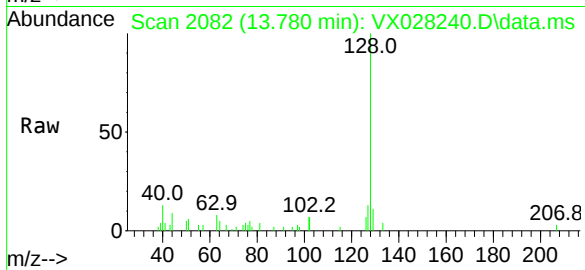
Acq: 21 Apr 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW172S1-250-252



Tgt Ion:128 Resp: 4697

Ion Ratio Lower Upper

128 100

127 16.5 10.2 15.4#

129 13.1 8.7 13.1#

