

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042122\
 Data File : VX028251.D
 Acq On : 21 Apr 2022 19:05
 Operator : JC/MD
 Sample : N2512-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19

Quant Time: Apr 22 06:18:21 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)

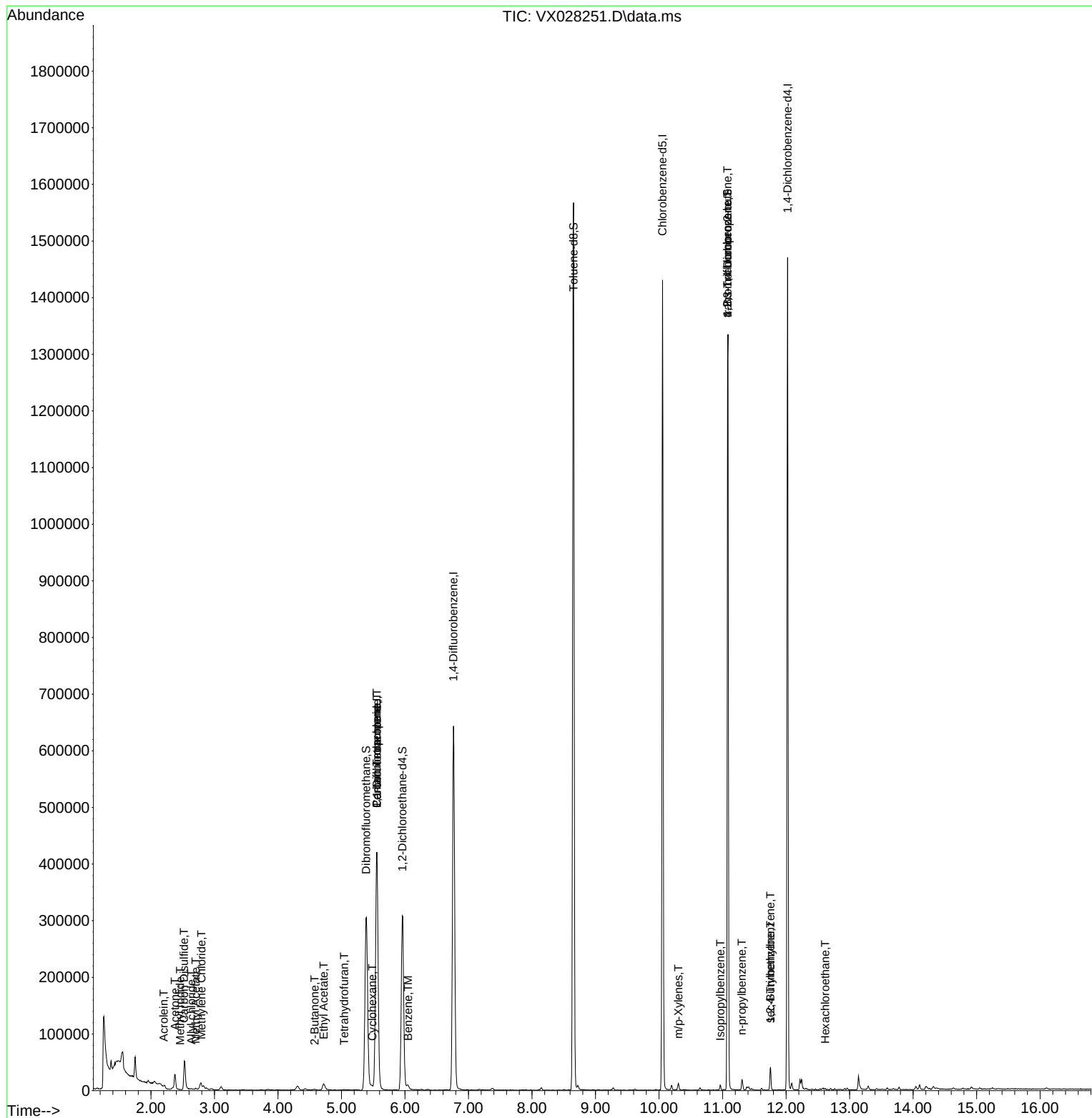
Internal Standards						
1) Pentafluorobenzene	5.556	168	413617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	698019	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	655616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	304238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	293020	54.333	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.660%			
35) Dibromofluoromethane	5.385	113	269179	54.989	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.980%			
50) Toluene-d8	8.653	98	982225	52.242	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.480%			
62) 4-Bromofluorobenzene	11.079	95	351118	48.842	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.680%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	5515	Below Cal	#	48
5) Bromomethane	1.581	94	173	Below Cal	#	3
10) Methyl Iodide	2.459	142	327	5.298	ug/l #	92
11) Tert butyl alcohol	2.952	59	1587	Below Cal	#	89
13) Acrolein	2.203	56	313	0.474	ug/l #	1
14) Allyl chloride	2.635	41	1406	0.264	ug/l #	25
16) Acetone	2.379	43	30027	16.927	ug/l	94
17) Carbon Disulfide	2.520	76	2569	0.300	ug/l #	91
18) Methyl Acetate	2.702	43	1722	0.359	ug/l	92
20) Methylene Chloride	2.794	84	915	0.229	ug/l #	81
25) 2-Butanone	4.574	43	2880	0.902	ug/l	92
29) Tetrahydrofuran	5.043	42	855	0.411	ug/l #	59
31) Cyclohexane	5.482	56	4975	0.757	ug/l	96
36) 1,1-Dichloropropene	5.556	75	29060	4.551	ug/l #	50
37) Ethyl Acetate	4.720	43	19344	2.986	ug/l	98
38) Carbon Tetrachloride	5.556	117	41859	5.807	ug/l #	15
40) Benzene	6.049	78	9491	0.508	ug/l #	87
68) m/p-Xylenes	10.305	106	2999	0.314	ug/l	96
73) Isopropylbenzene	10.963	105	4757	0.227	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	174259	29.103	ug/l #	38
78) n-propylbenzene	11.305	91	9393	0.405	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	174259	86.487	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	17972	1.019	ug/l	95
85) sec-Butylbenzene	11.756	105	17972	0.822	ug/l #	56
90) Hexachloroethane	12.615	117	162	1.860	ug/l #	10

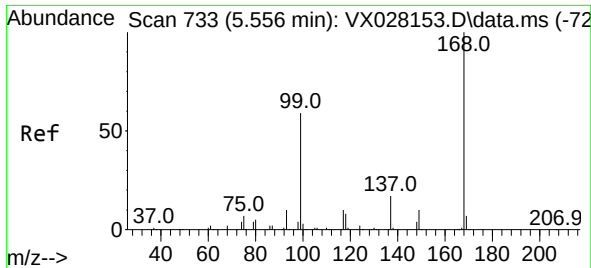
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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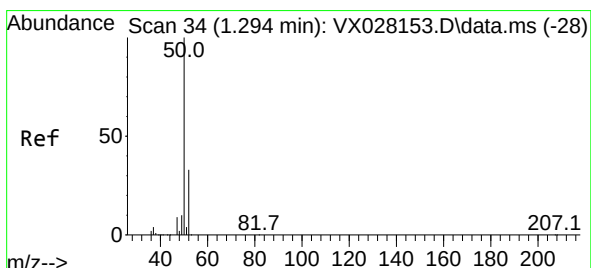
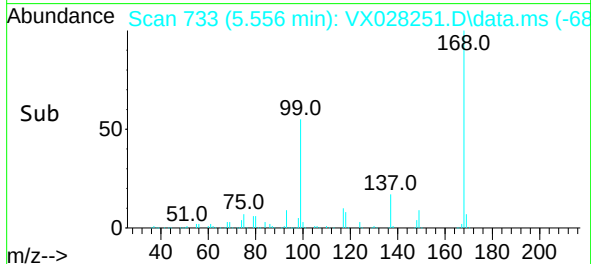
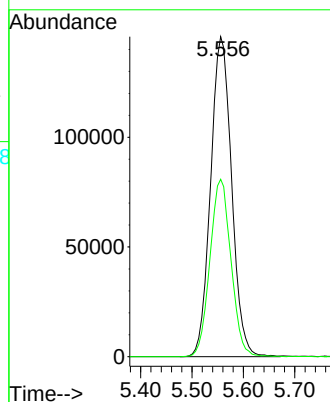
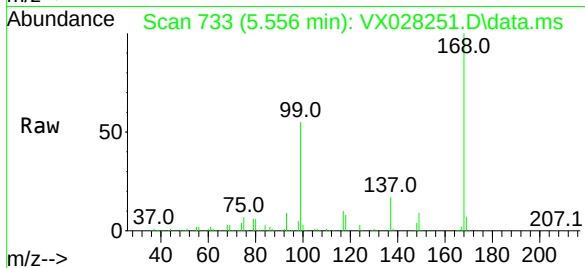




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

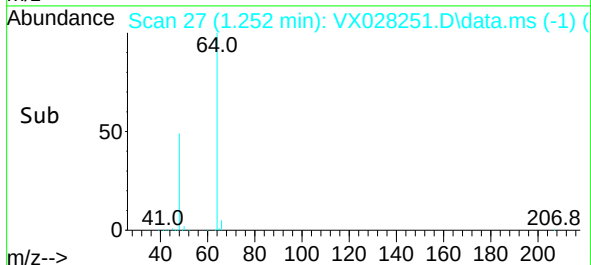
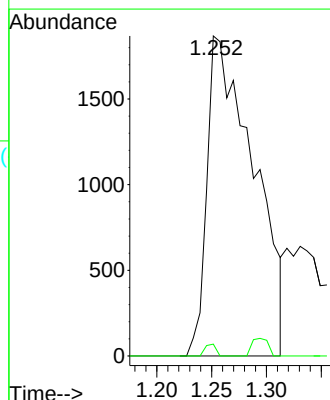
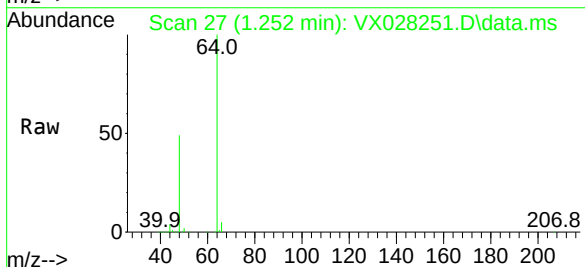
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ClientSampleId :
MW-19

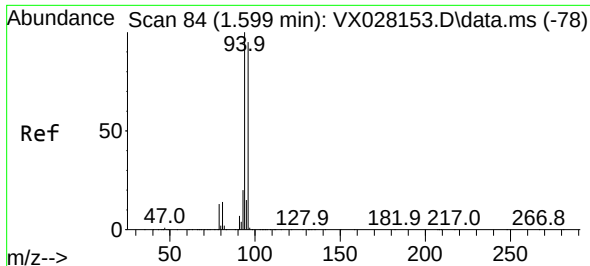
Tgt Ion:168 Resp: 413617
Ion Ratio Lower Upper
168 100
99 55.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.252 min Scan# 27
Delta R.T. -0.042 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

Tgt Ion: 50 Resp: 5515
Ion Ratio Lower Upper
50 100
52 3.7 26.4 39.6#

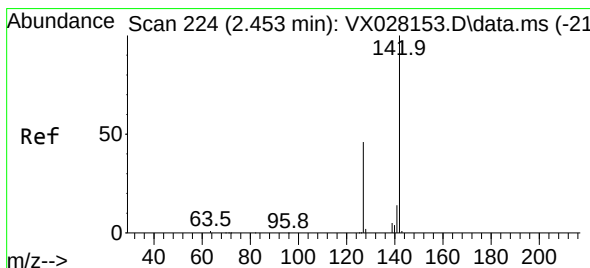
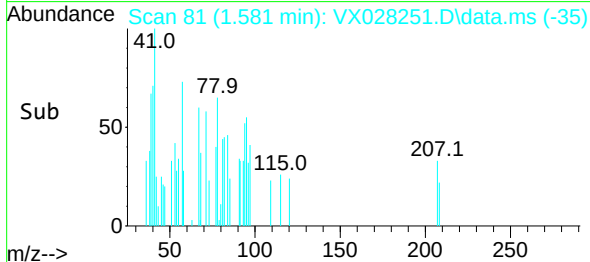
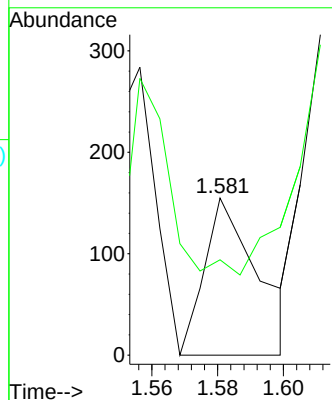
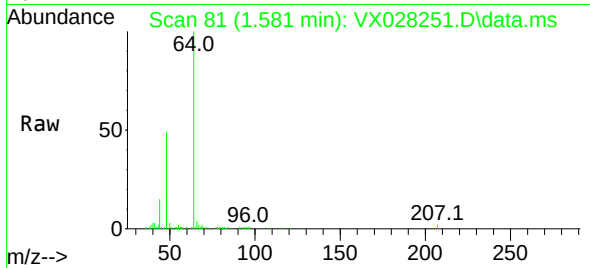




#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

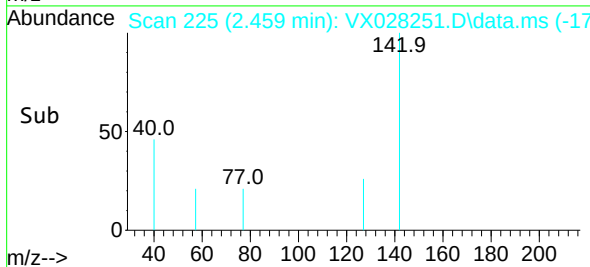
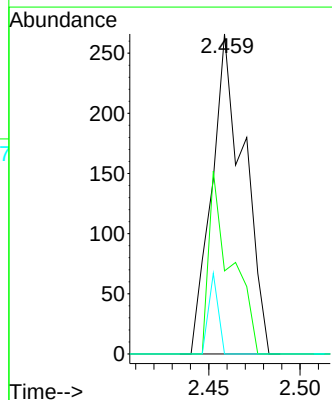
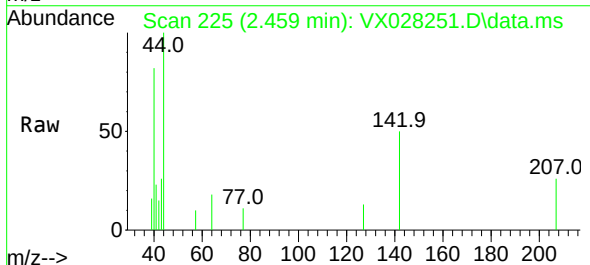
Instrument :
MSVOA_X
ClientSampleId :
MW-19

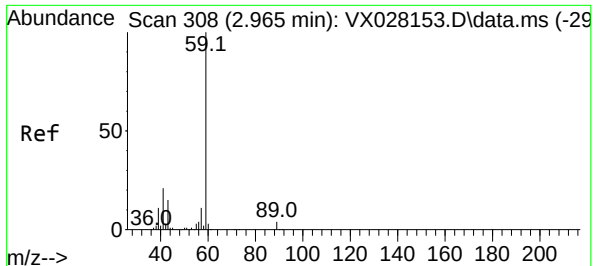
Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 0.0 75.3 112.9#



#10
Methyl Iodide
Concen: 5.298 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

Tgt Ion:142 Resp: 327
Ion Ratio Lower Upper
142 100
127 39.4 33.9 50.9
141 7.6 11.4 17.2#

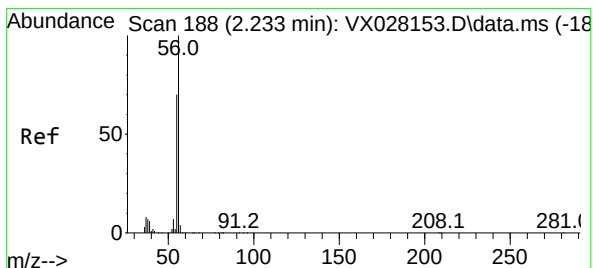
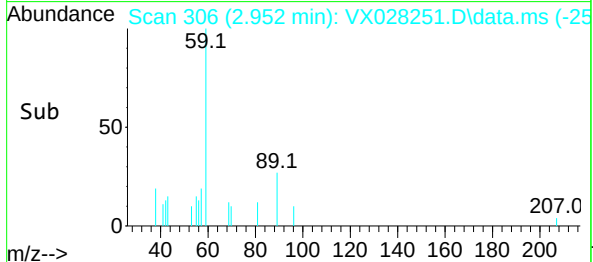
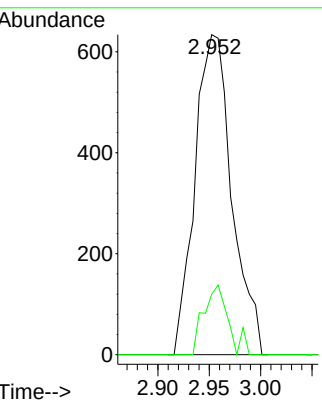
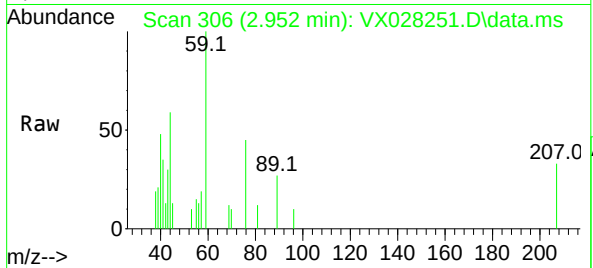




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.952 min Scan# 308
Delta R.T. -0.013 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

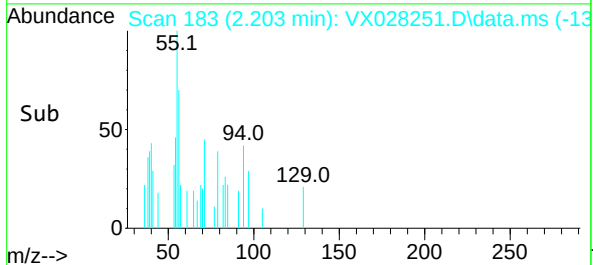
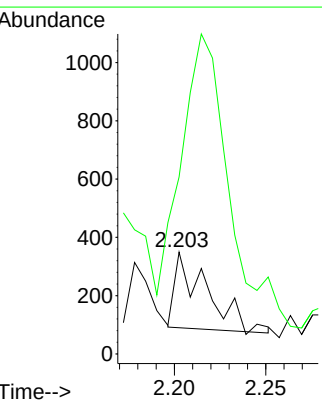
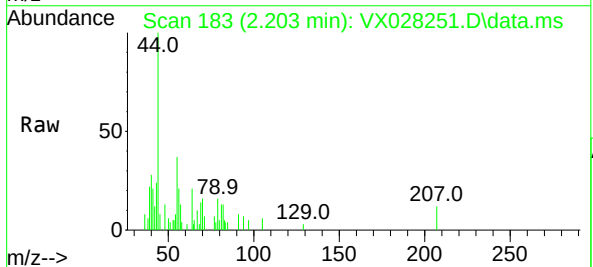
Instrument :
MSVOA_X
ClientSampleId :
MW-19

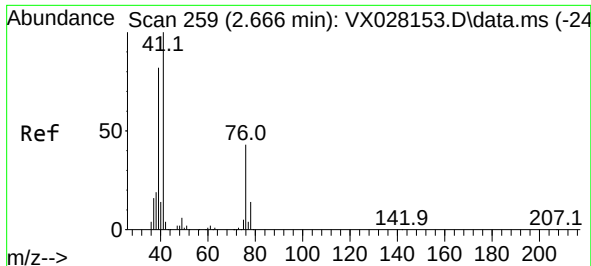
Tgt Ion: 59 Resp: 1587
Ion Ratio Lower Upper
59 100
57 14.4 8.3 12.5#



#13
Acrolein
Concen: 0.474 ug/l
RT: 2.203 min Scan# 183
Delta R.T. -0.030 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

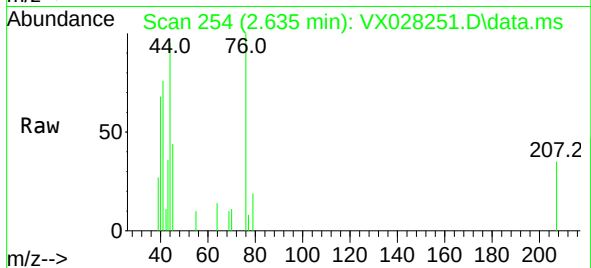
Tgt Ion: 56 Resp: 313
Ion Ratio Lower Upper
56 100
55 594.2 55.0 82.6#



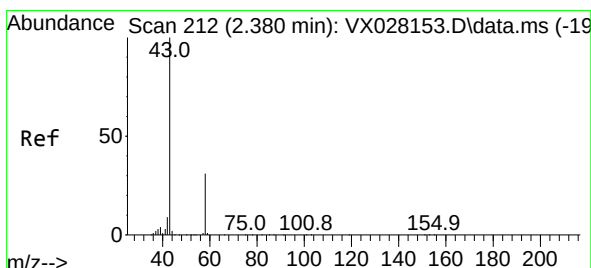
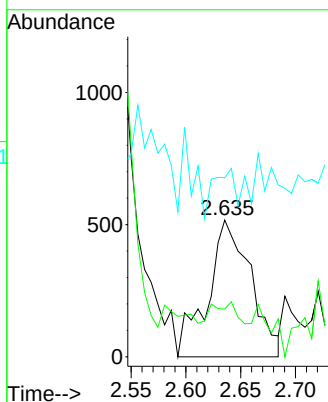
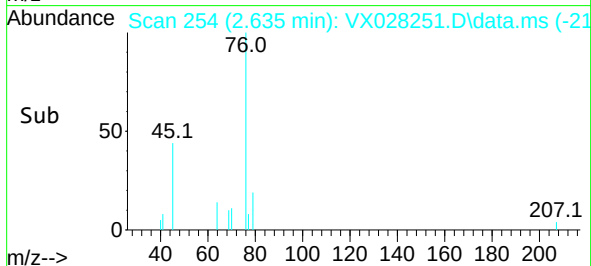


#14
 Allyl chloride
 Concen: 0.264 ug/l
 RT: 2.635 min Scan# 214
 Delta R.T. -0.031 min
 Lab File: VX028251.D
 Acq: 21 Apr 2022 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19

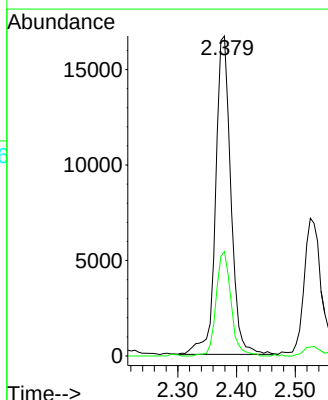
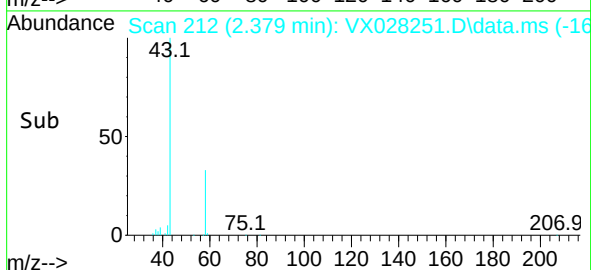
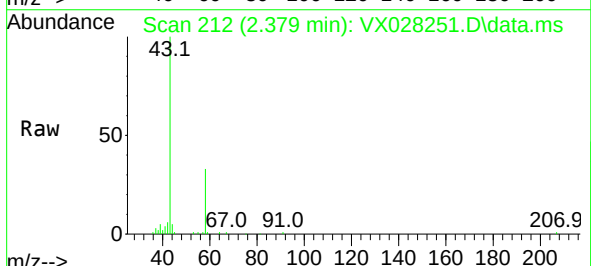


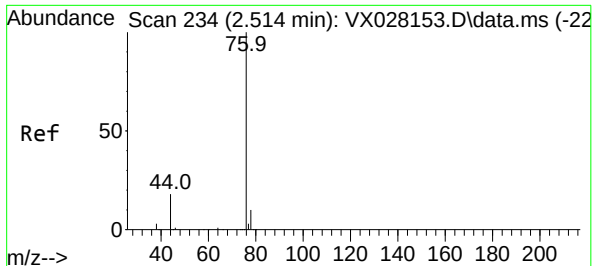
Tgt Ion: 41 Resp: 1406
 Ion Ratio Lower Upper
 41 100
 39 0.0 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 16.927 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.001 min
 Lab File: VX028251.D
 Acq: 21 Apr 2022 19:05

Tgt Ion: 43 Resp: 30027
 Ion Ratio Lower Upper
 43 100
 58 32.7 28.8 43.2





#17

Carbon Disulfide

Concen: 0.300 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX028251.D

Acq: 21 Apr 2022 19:05

Instrument :

MSVOA_X

ClientSampleId :

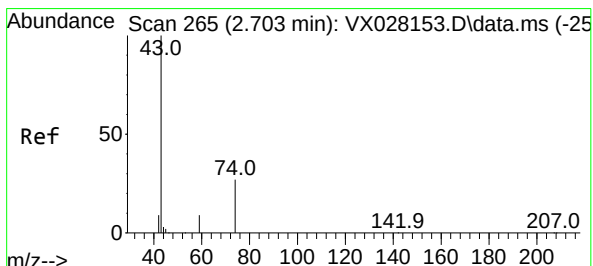
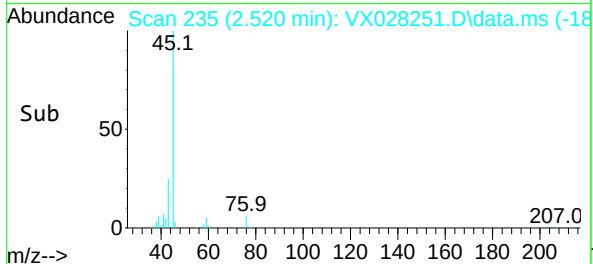
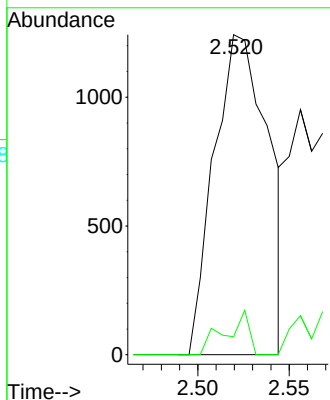
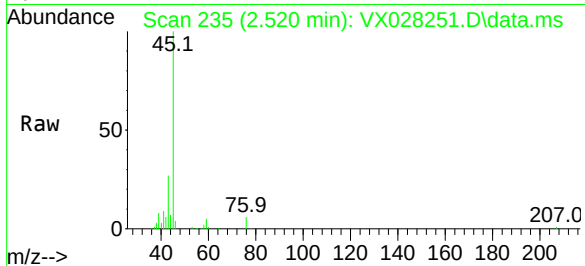
MW-19

Tgt Ion: 76 Resp: 2569

Ion Ratio Lower Upper

76 100

78 5.6 7.2 10.8#



#18

Methyl Acetate

Concen: 0.359 ug/l

RT: 2.702 min Scan# 265

Delta R.T. -0.001 min

Lab File: VX028251.D

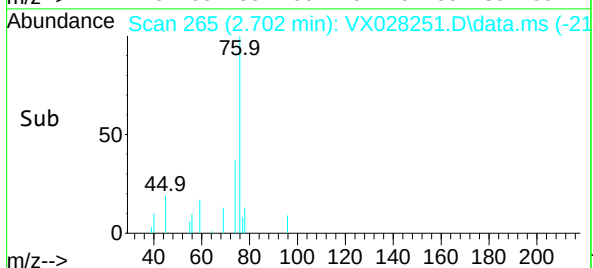
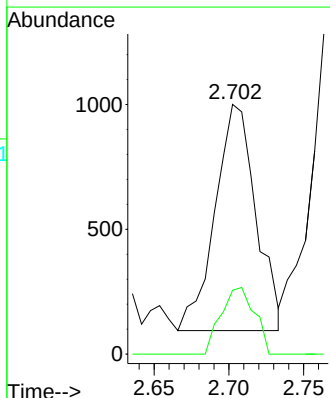
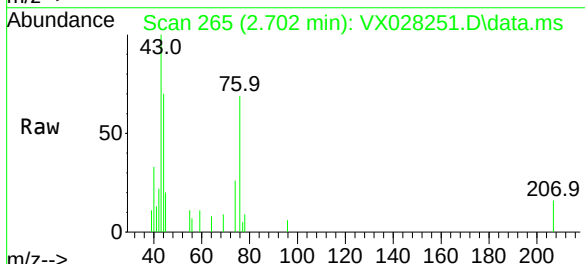
Acq: 21 Apr 2022 19:05

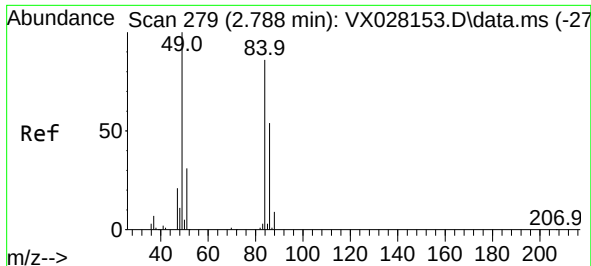
Tgt Ion: 43 Resp: 1722

Ion Ratio Lower Upper

43 100

74 24.2 22.8 34.2

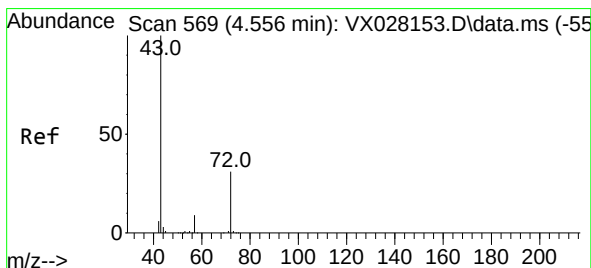
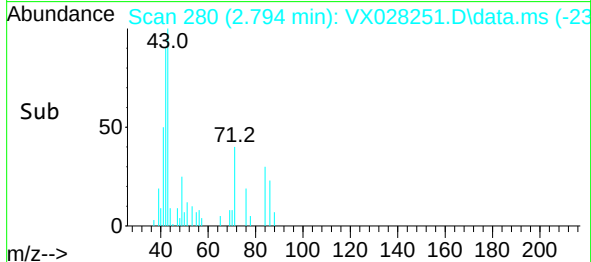
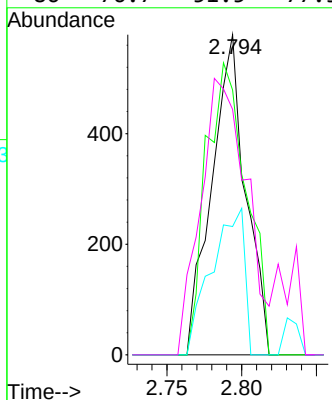
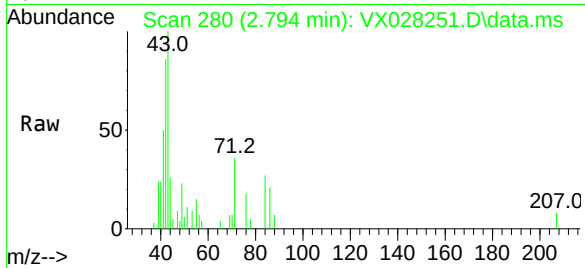




#20
Methylene Chloride
Concen: 0.229 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

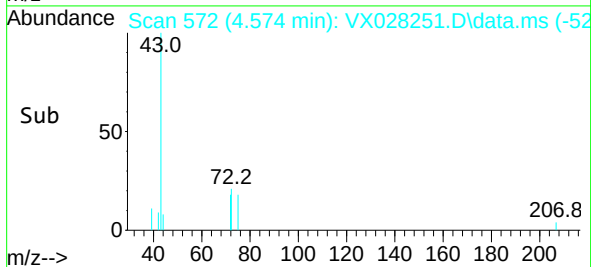
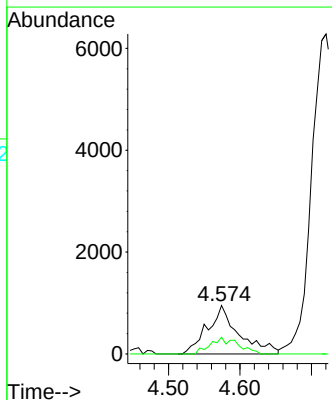
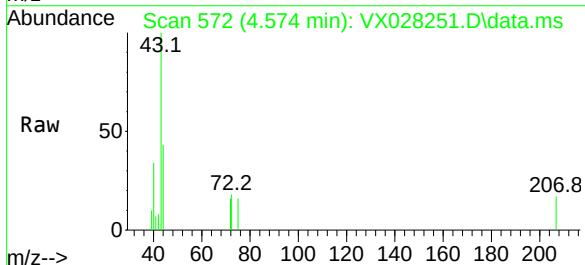
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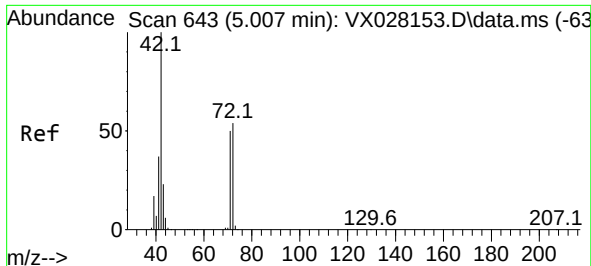
Tgt Ion: 84 Resp: 915
Ion Ratio Lower Upper
84 100
49 82.7 85.5 128.3#
51 40.1 26.6 39.8#
86 76.7 51.5 77.3



#25
2-Butanone
Concen: 0.902 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

Tgt Ion: 43 Resp: 2880
Ion Ratio Lower Upper
43 100
72 34.8 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.411 ug/l

RT: 5.043 min Scan# 643

Delta R.T. 0.037 min

Lab File: VX028251.D

Acq: 21 Apr 2022 19:05

Instrument :

MSVOA_X

ClientSampleId :

MW-19

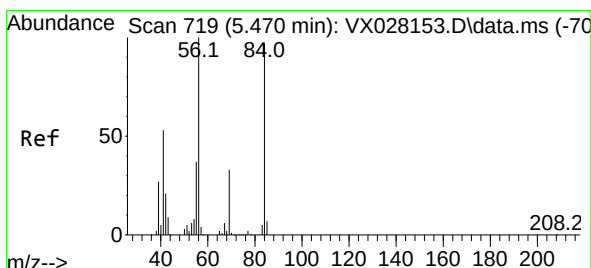
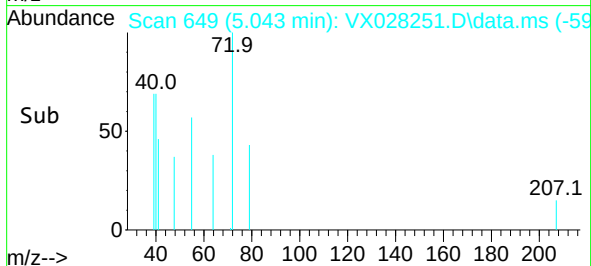
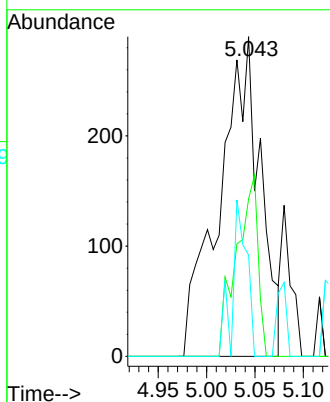
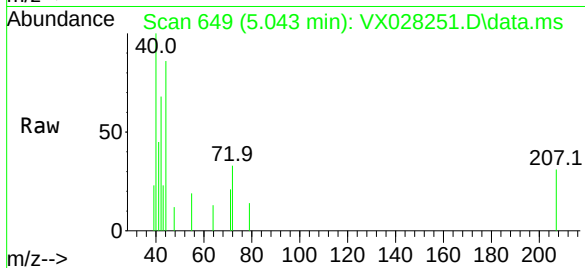
Tgt Ion: 42 Resp: 855

Ion Ratio Lower Upper

42 100

72 29.6 44.1 66.1#

71 17.3 40.5 60.7#



#31

Cyclohexane

Concen: 0.757 ug/l

RT: 5.482 min Scan# 721

Delta R.T. 0.012 min

Lab File: VX028251.D

Acq: 21 Apr 2022 19:05

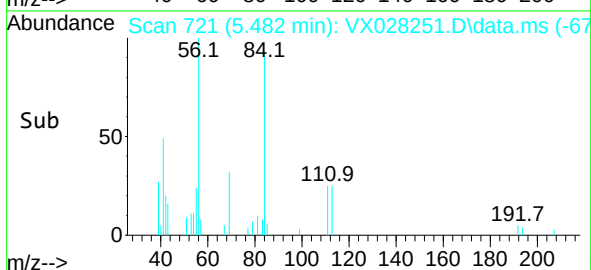
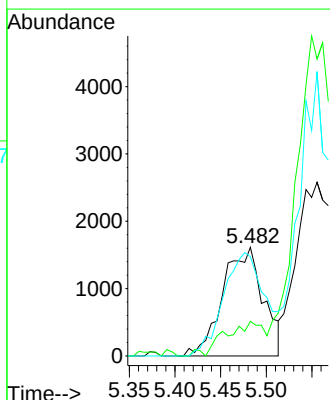
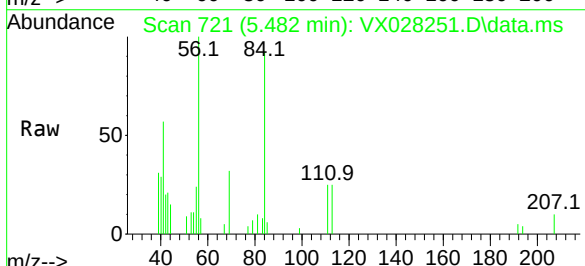
Tgt Ion: 56 Resp: 4975

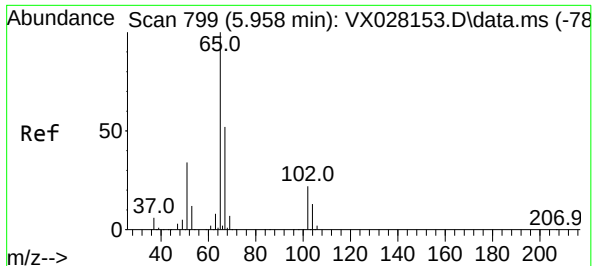
Ion Ratio Lower Upper

56 100

69 31.9 26.7 40.1

84 91.5 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 54.333 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX028251.D

Acq: 21 Apr 2022 19:05

Instrument :

MSVOA_X

ClientSampleId :

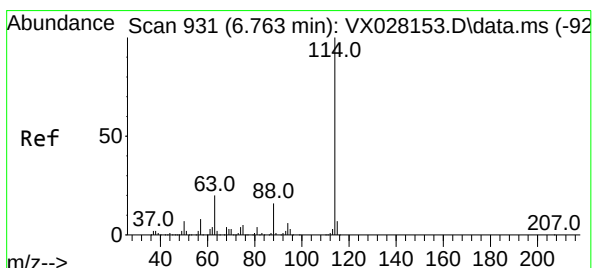
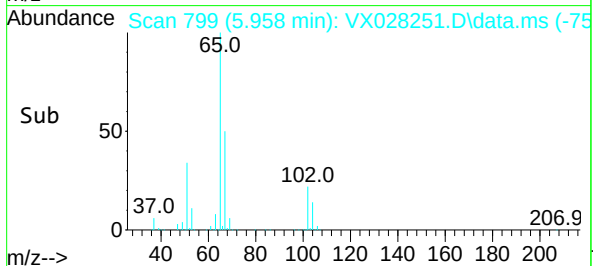
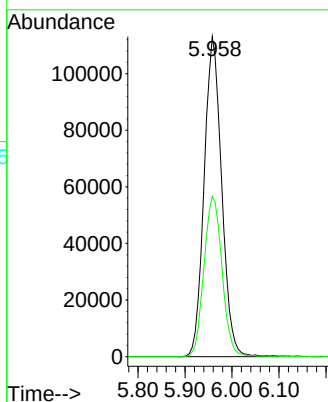
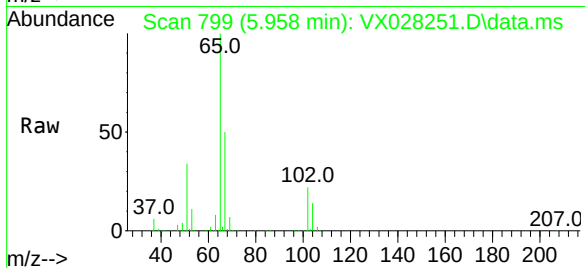
MW-19

Tgt Ion: 65 Resp: 293020

Ion Ratio Lower Upper

65 100

67 51.6 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: VX028251.D

Acq: 21 Apr 2022 19:05

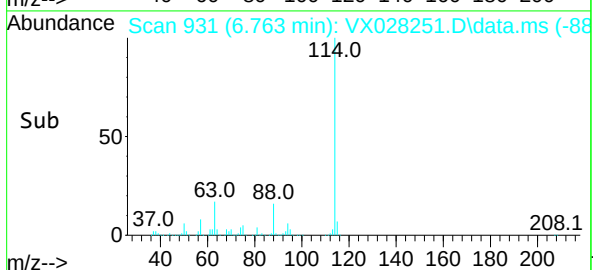
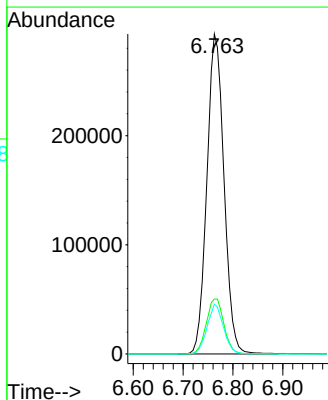
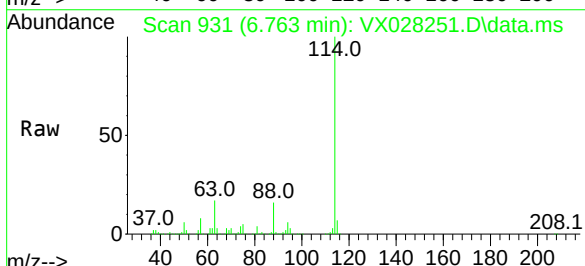
Tgt Ion: 114 Resp: 698019

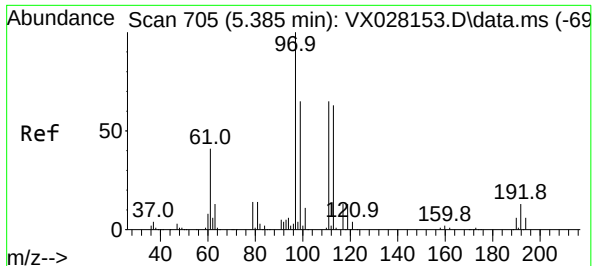
Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.8

88 15.6 0.0 32.4

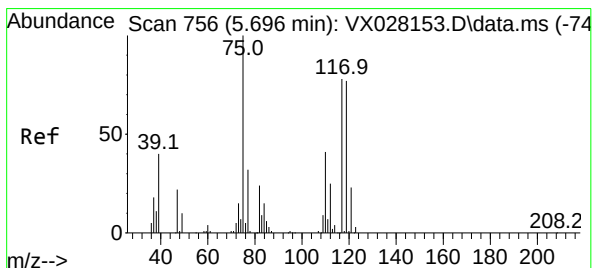
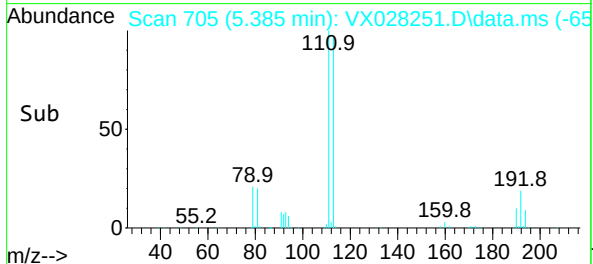
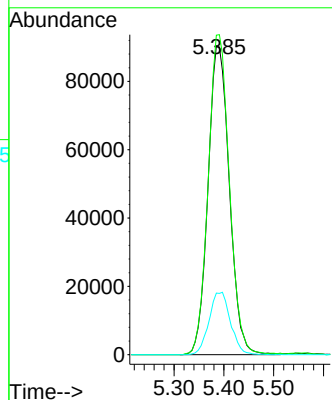
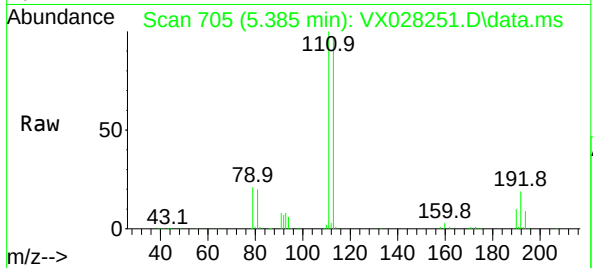




#35
Dibromofluoromethane
Concen: 54.989 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

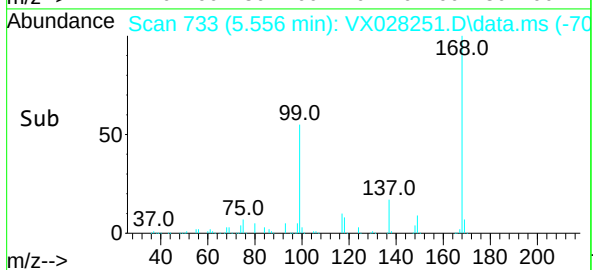
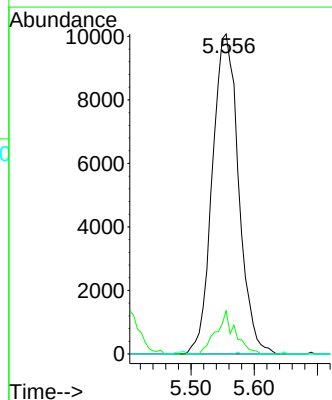
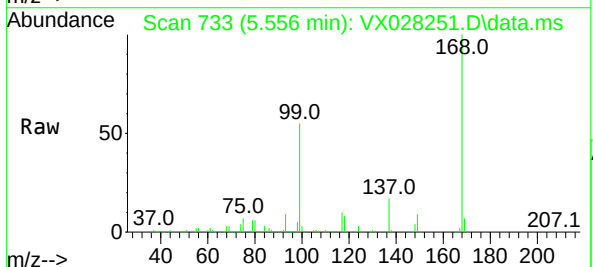
Instrument :
MSVOA_X
ClientSampleId :
MW-19

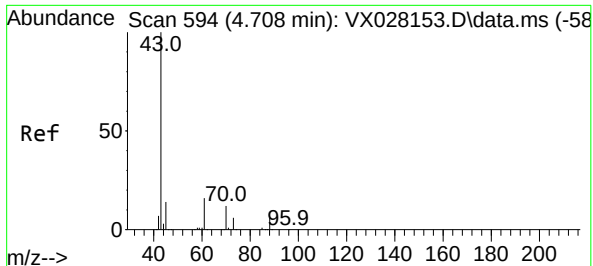
Tgt Ion:113 Resp: 269179
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 20.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.551 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

Tgt Ion: 75 Resp: 29060
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.1 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.986 ug/l

RT: 4.720 min Scan# 594

Delta R.T. 0.012 min

Lab File: VX028251.D

Acq: 21 Apr 2022 19:05

Instrument :

MSVOA_X

ClientSampleId :

MW-19

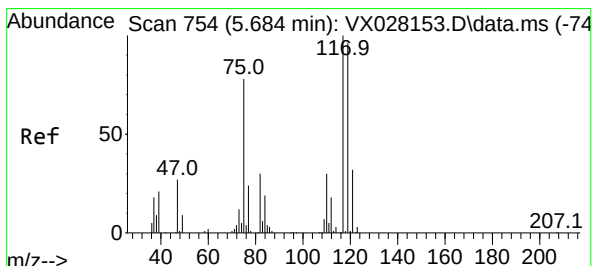
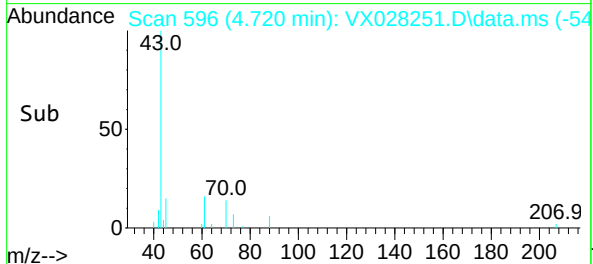
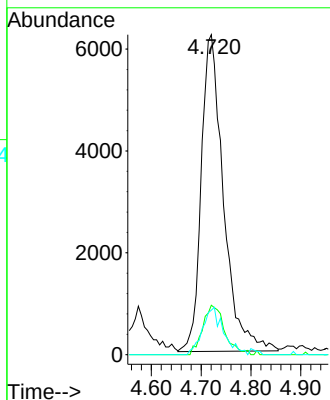
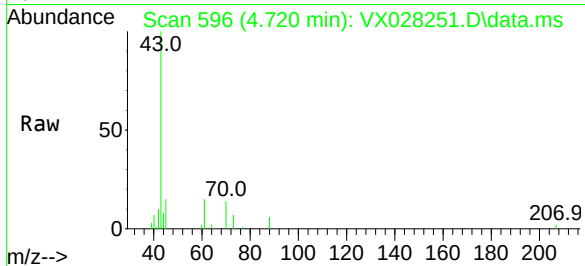
Tgt Ion: 43 Resp: 19344

Ion Ratio Lower Upper

43 100

61 15.2 12.6 19.0

70 14.0 10.2 15.2



#38

Carbon Tetrachloride

Concen: 5.807 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX028251.D

Acq: 21 Apr 2022 19:05

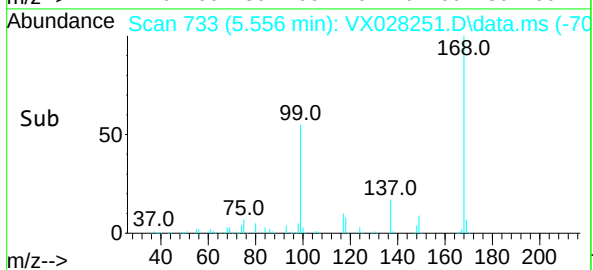
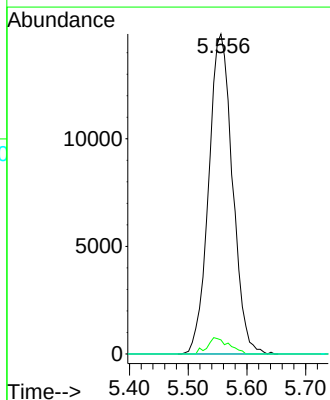
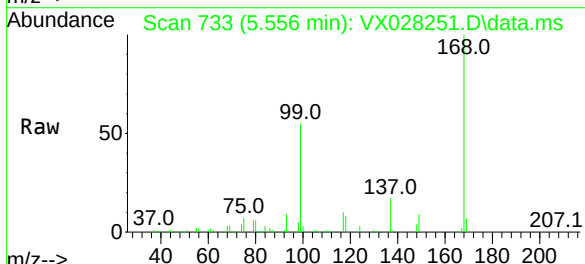
Tgt Ion: 117 Resp: 41859

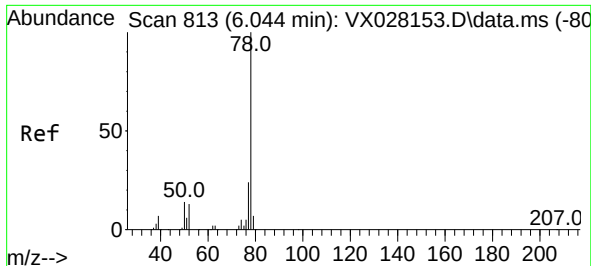
Ion Ratio Lower Upper

117 100

119 4.4 77.3 115.9#

121 0.0 24.2 36.2#

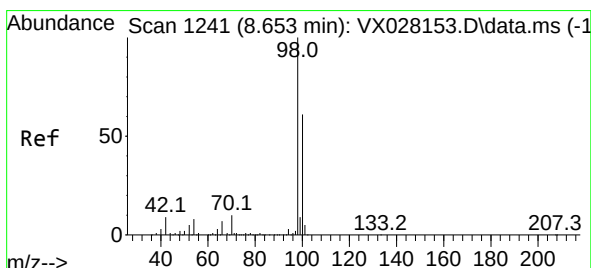
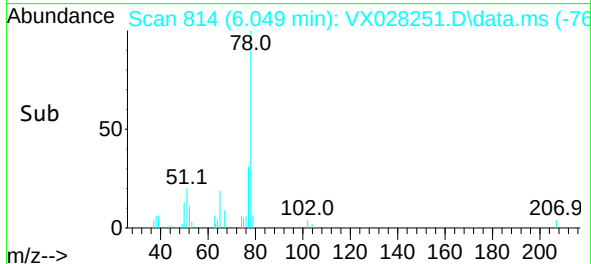
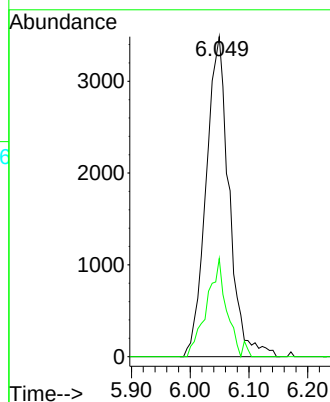
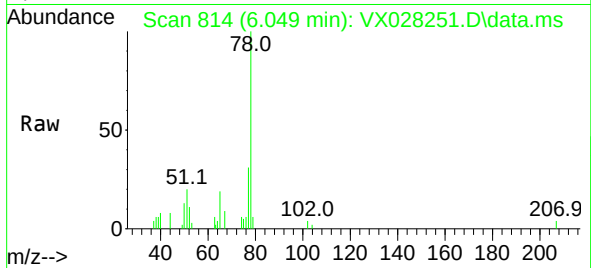




#40
Benzene
Concen: 0.508 ug/l
RT: 6.049 min Scan# 813
Delta R.T. 0.005 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

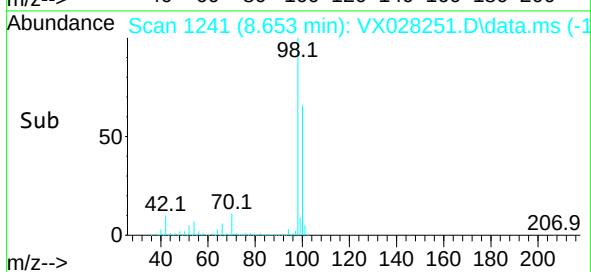
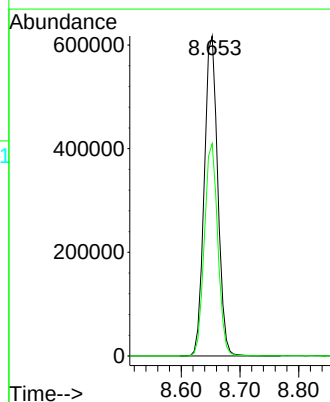
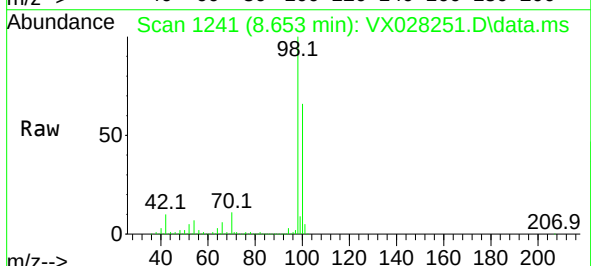
Instrument :
MSVOA_X
ClientSampleId :
MW-19

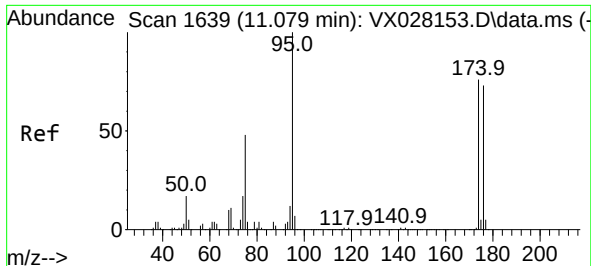
Tgt Ion: 78 Resp: 9491
Ion Ratio Lower Upper
78 100
77 30.7 19.3 28.9#



#50
Toluene-d8
Concen: 52.242 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

Tgt Ion: 98 Resp: 982225
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8

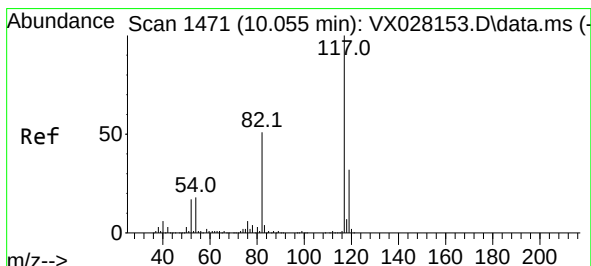
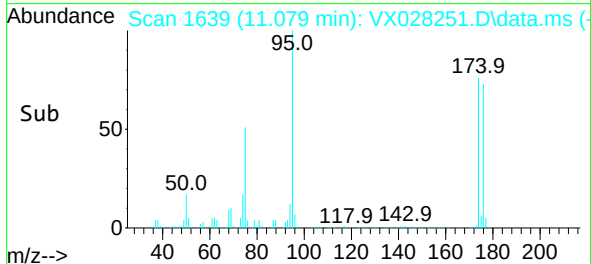
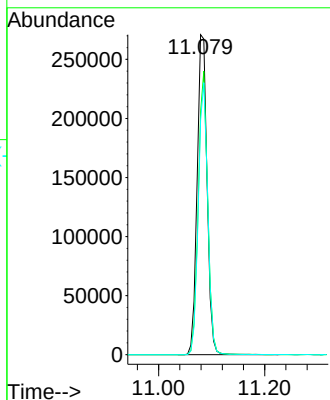
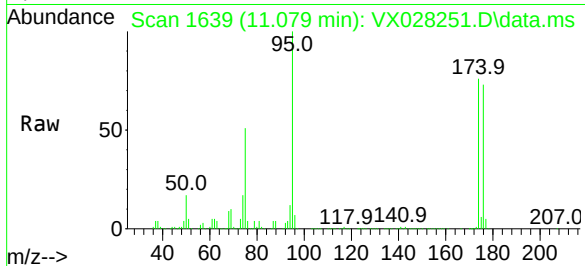




#62
4-Bromofluorobenzene
Concen: 48.842 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

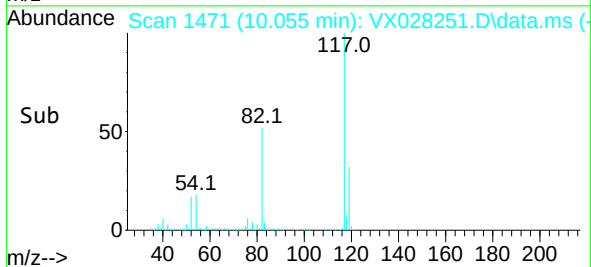
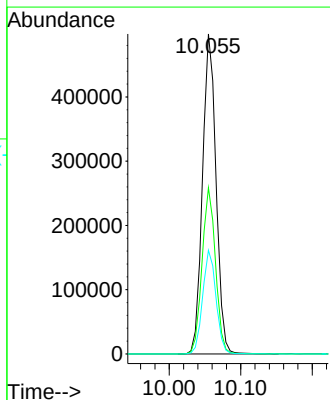
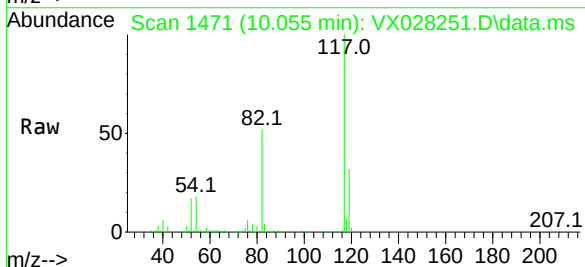
Instrument :
MSVOA_X
ClientSampleId :
MW-19

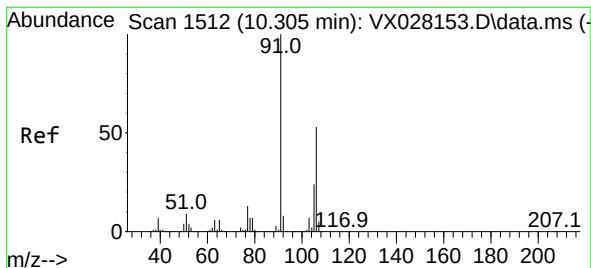
Tgt Ion: 95 Resp: 351118
Ion Ratio Lower Upper
95 100
174 84.0 0.0 163.0
176 81.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

Tgt Ion: 117 Resp: 655616
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.4 24.8 37.2

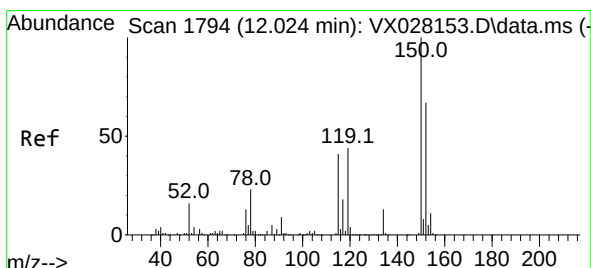
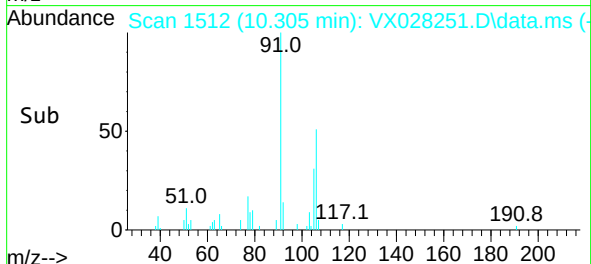
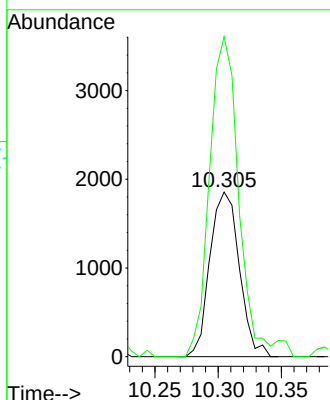
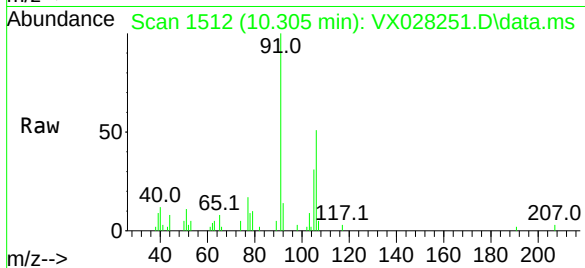




#68
m/p-Xylenes
Concen: 0.314 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

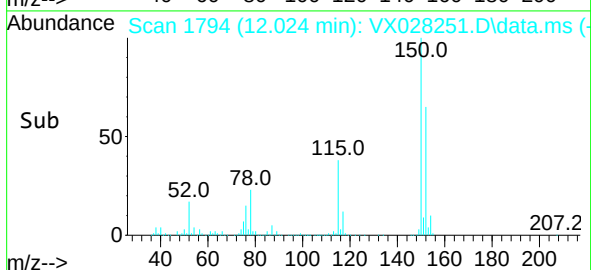
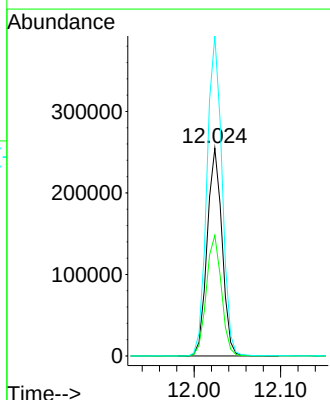
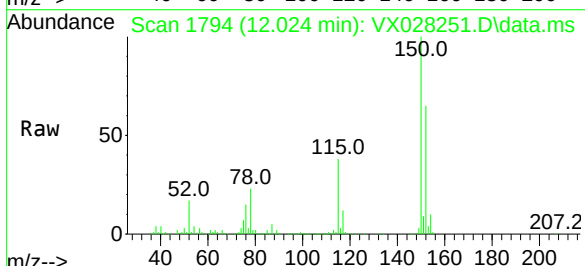
Instrument :
MSVOA_X
ClientSampleId :
MW-19

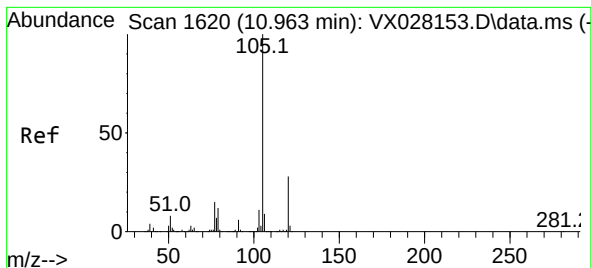
Tgt Ion:106 Resp: 2999
Ion Ratio Lower Upper
106 100
91 194.7 160.4 240.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX028251.D
Acq: 21 Apr 2022 19:05

Tgt Ion:152 Resp: 304238
Ion Ratio Lower Upper
152 100
115 58.6 37.5 112.7
150 156.7 0.0 338.2





#73

Isopropylbenzene

Concen: 0.227 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX028251.D

Acq: 21 Apr 2022 19:05

Instrument :

MSVOA_X

ClientSampleId :

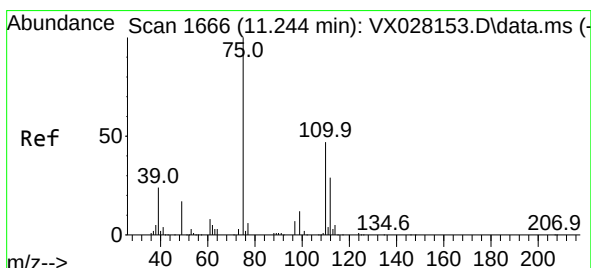
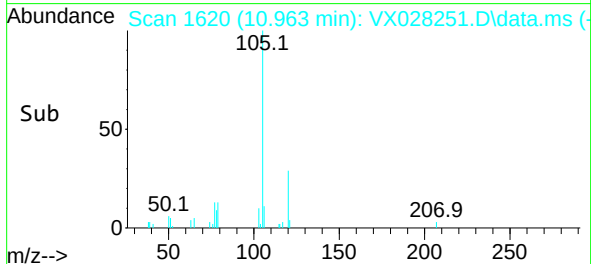
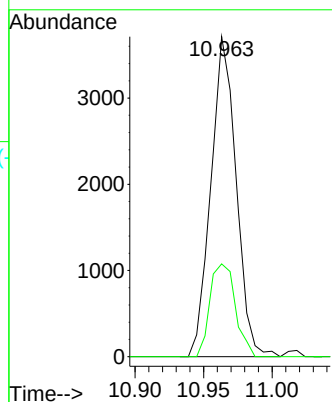
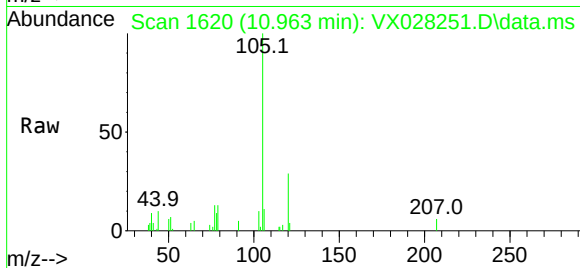
MW-19

Tgt Ion:105 Resp: 4757

Ion Ratio Lower Upper

105 100

120 29.1 13.5 40.5



#76

1,2,3-Trichloropropane

Concen: 29.103 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028251.D

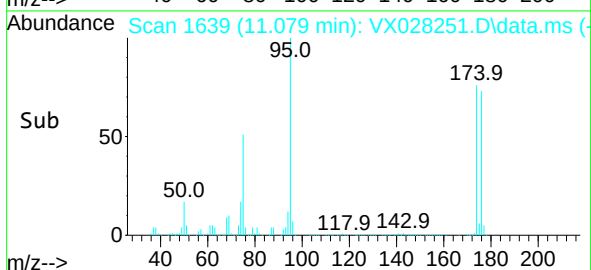
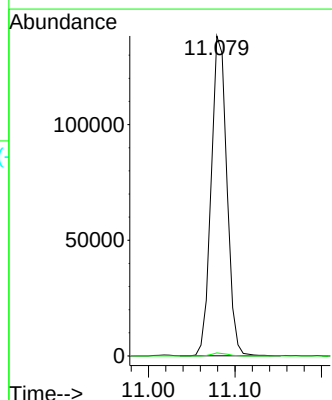
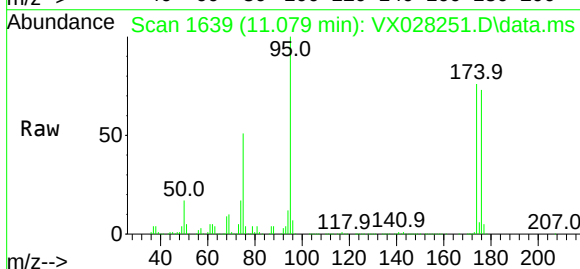
Acq: 21 Apr 2022 19:05

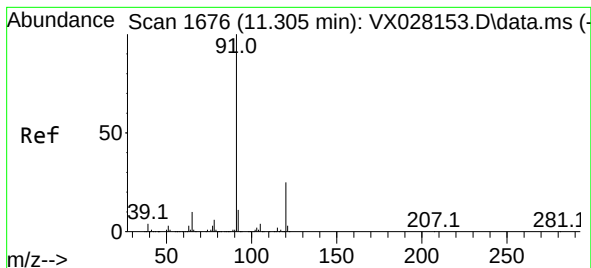
Tgt Ion: 75 Resp: 174259

Ion Ratio Lower Upper

75 100

77 0.9 19.4 58.2#





#78

n-propylbenzene

Concen: 0.405 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX028251.D

Acq: 21 Apr 2022 19:05

Instrument :

MSVOA_X

ClientSampleId :

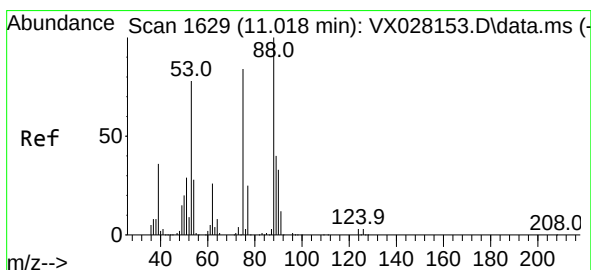
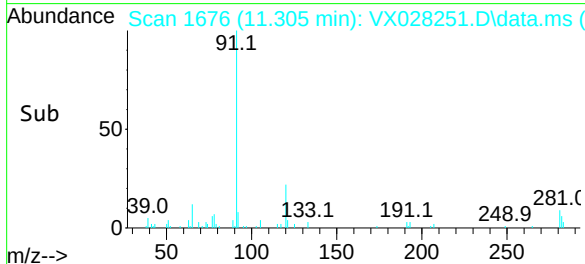
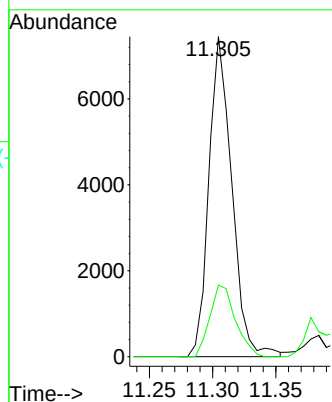
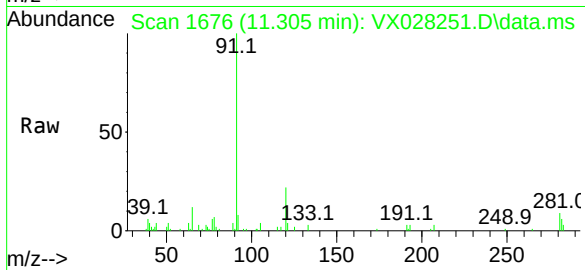
MW-19

Tgt Ion: 91 Resp: 9393

Ion Ratio Lower Upper

91 100

120 24.9 11.6 34.8



#81

trans-1,4-Dichloro-2-butene

Concen: 86.487 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028251.D

Acq: 21 Apr 2022 19:05

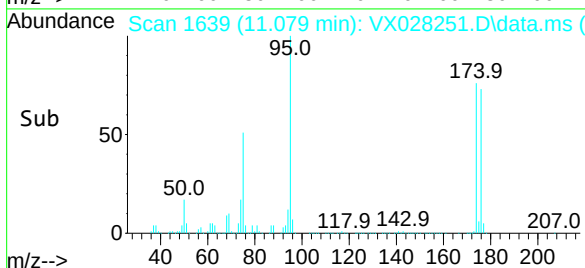
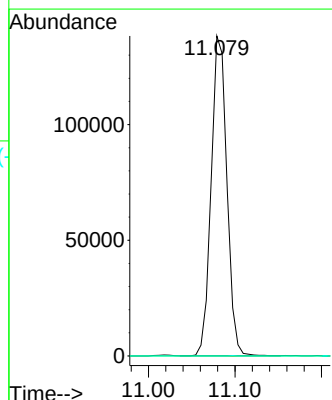
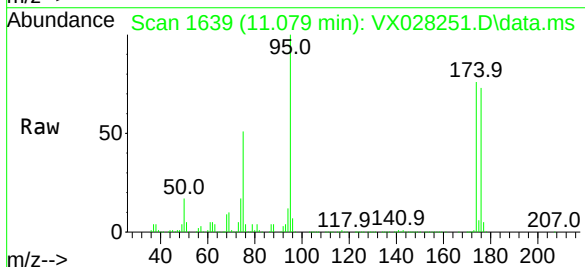
Tgt Ion: 75 Resp: 174259

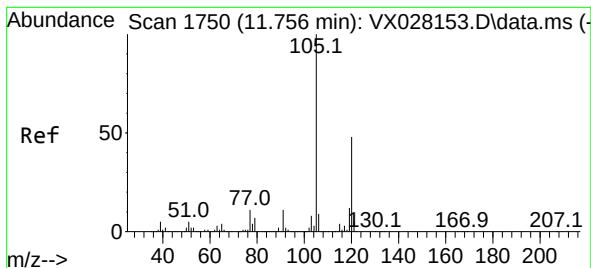
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#





#84

1,2,4-Trimethylbenzene

Concen: 1.019 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX028251.D

Acq: 21 Apr 2022 19:05

Instrument :

MSVOA_X

ClientSampleId :

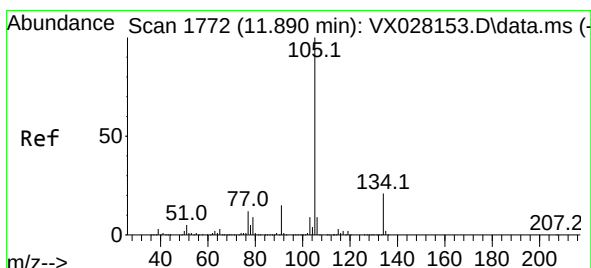
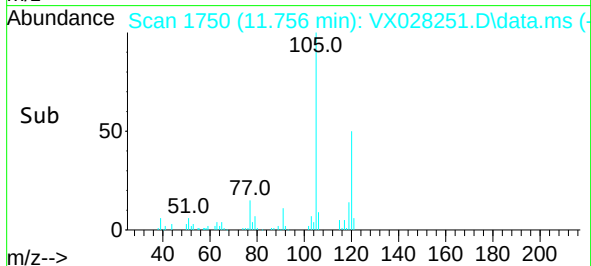
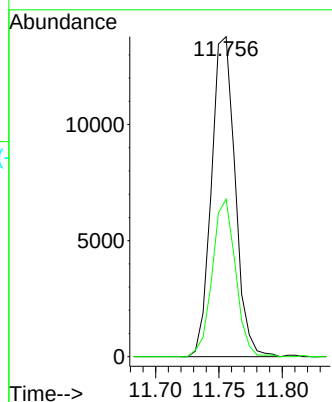
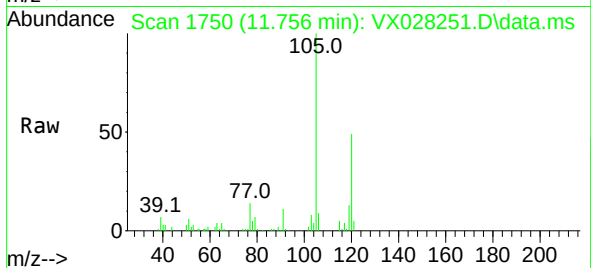
MW-19

Tgt Ion:105 Resp: 17972

Ion Ratio Lower Upper

105 100

120 48.3 22.6 67.8



#85

sec-Butylbenzene

Concen: 0.822 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.134 min

Lab File: VX028251.D

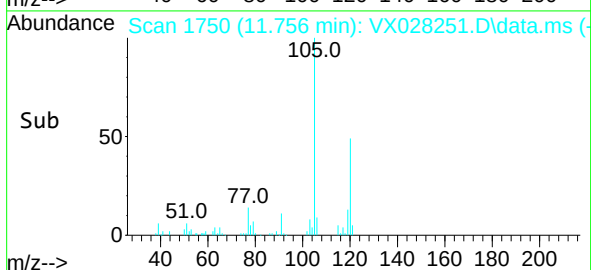
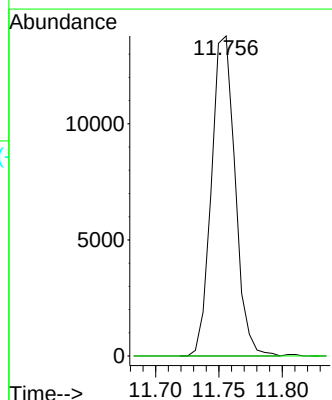
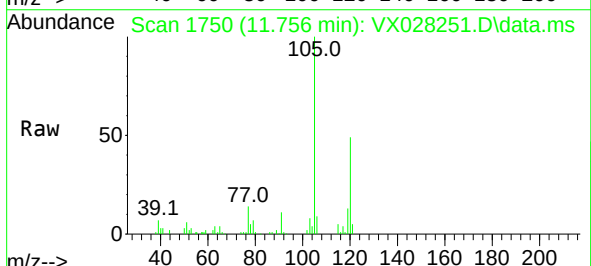
Acq: 21 Apr 2022 19:05

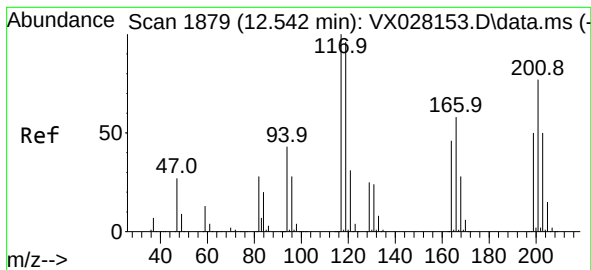
Tgt Ion:105 Resp: 17972

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#





#90

Hexachloroethane

Concen: 1.860 ug/l

RT: 12.615 min Scan# 1891

Delta R.T. 0.073 min

Lab File: VX028251.D

Acq: 21 Apr 2022 19:05

Instrument :

MSVOA_X

ClientSampleId :

MW-19

Tgt Ion:117 Resp: 162

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#

