

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070722\
 Data File : VX029958.D
 Acq On : 07 Jul 2022 16:27
 Operator : JC/MD
 Sample : N3617-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-03

Quant Time: Jul 08 05:34:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

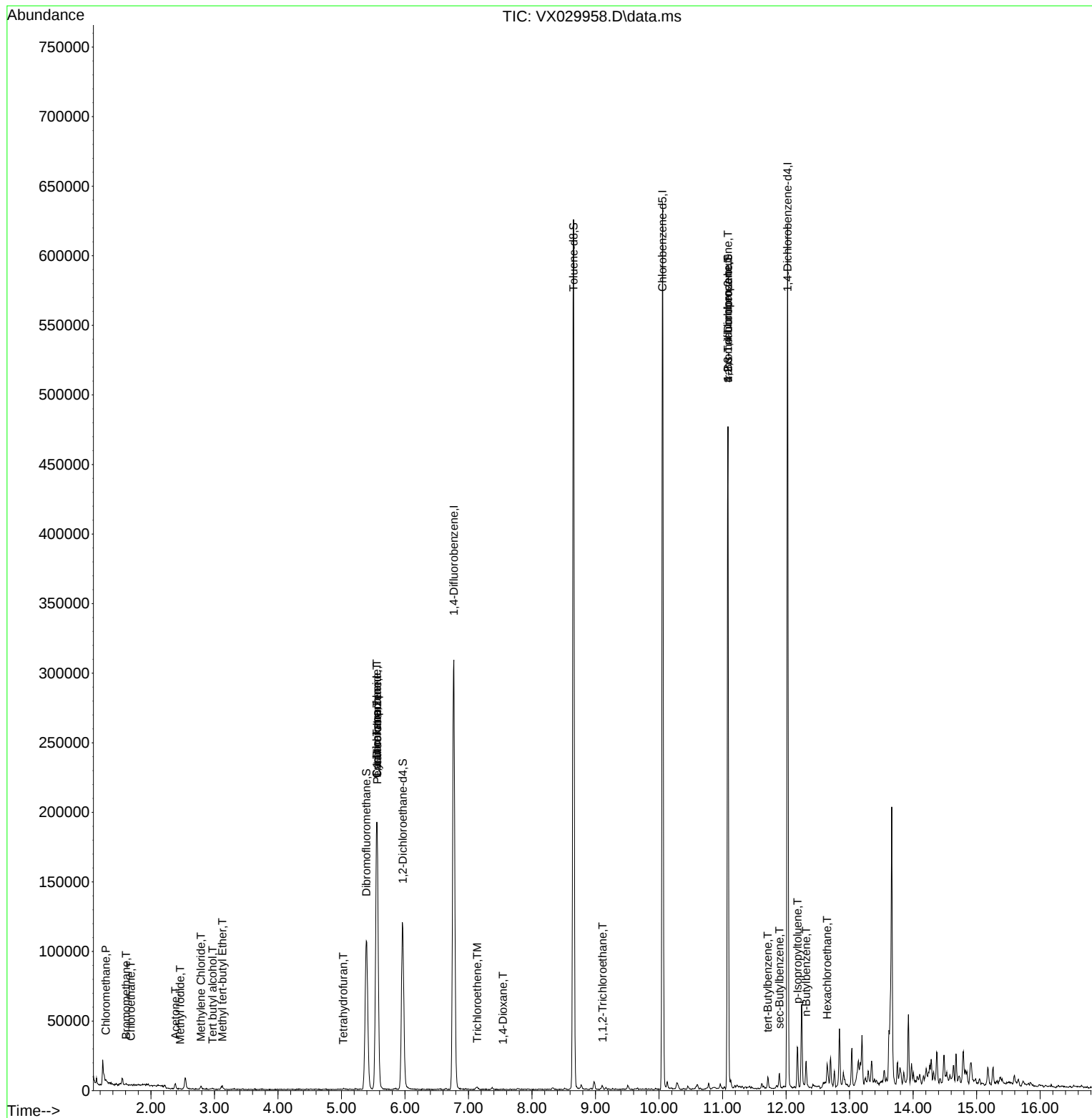
Internal Standards						
1) Pentafluorobenzene	5.562	168	194225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	335660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	295359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106856	43.463	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.920%
35) Dibromofluoromethane	5.391	113	96890	46.189	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.380%
50) Toluene-d8	8.653	98	381516	48.481	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.960%
62) 4-Bromofluorobenzene	11.085	95	130601	46.949	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.900%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	573	0.263	ug/l	91
5) Bromomethane	1.605	94	319	0.267	ug/l #	35
6) Chloroethane	1.685	64	110	1.104	ug/l #	41
10) Methyl Iodide	2.459	142	494	2.051	ug/l #	58
11) Tert butyl alcohol	2.971	59	825	1.283	ug/l #	74
13) Acrolein	2.294	56	25	Below Cal	#	14
16) Acetone	2.386	43	3984	3.312	ug/l	95
19) Methyl tert-butyl Ether	3.123	73	2152	0.319	ug/l #	81
20) Methylene Chloride	2.788	84	988	0.389	ug/l #	82
29) Tetrahydrofuran	5.026	42	638	0.464	ug/l #	49
31) Cyclohexane	5.556	56	4026	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14392	5.158	ug/l #	49
38) Carbon Tetrachloride	5.556	117	18082	7.480	ug/l #	18
44) Trichloroethene	7.135	130	934	0.384	ug/l	93
49) 1,4-Dioxane	7.543	88	39	0.605	ug/l #	15
55) 1,1,2-Trichloroethane	9.110	97	856	0.361	ug/l #	15
76) 1,2,3-Trichloropropane	11.085	75	60047	19.540	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	60047	62.056	ug/l #	13
83) tert-Butylbenzene	11.713	119	2645	0.346	ug/l	74
85) sec-Butylbenzene	11.896	105	5366	0.557	ug/l	95
86) p-Isopropyltoluene	12.183	119	12887	1.677	ug/l	97
89) n-Butylbenzene	12.317	91	1978	0.274	ug/l #	2
90) Hexachloroethane	12.646	117	4640	3.701	ug/l #	16

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

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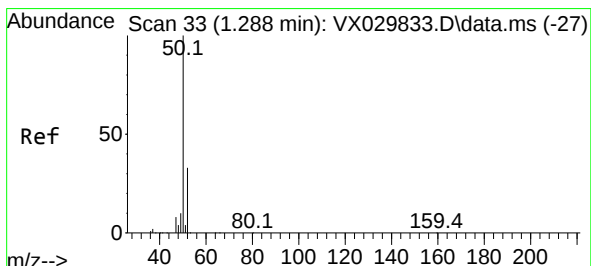
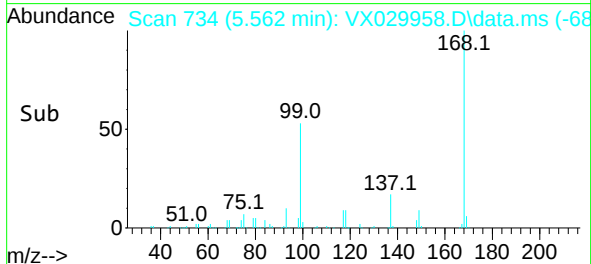
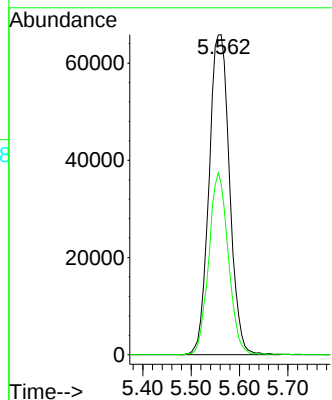
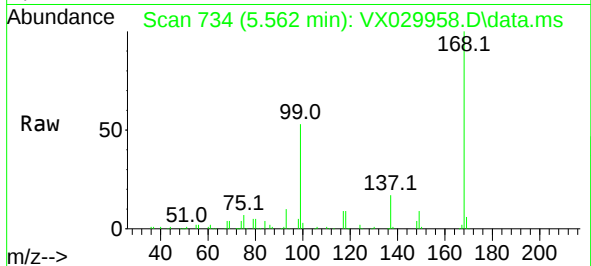




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

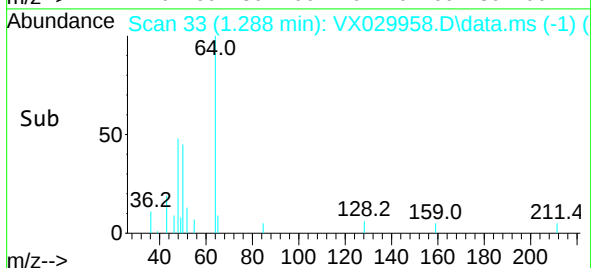
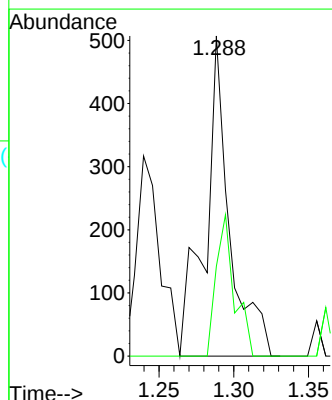
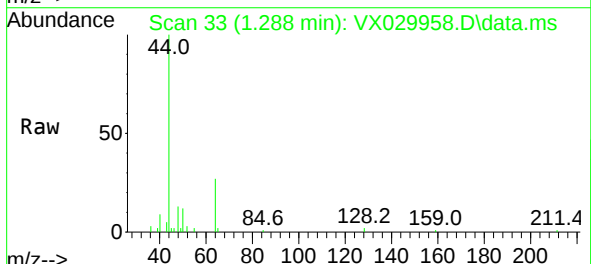
Instrument :
MSVOA_X
ClientSampleId :
MW-03

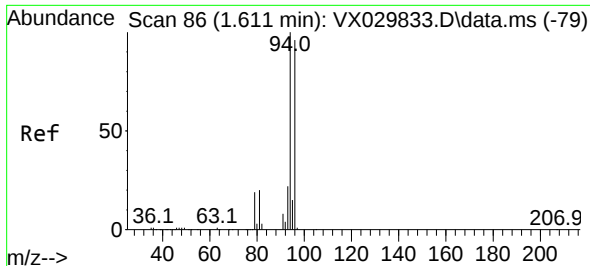
Tgt Ion:168 Resp: 194225
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#3
Chloromethane
Concen: 0.263 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

Tgt Ion: 50 Resp: 573
Ion Ratio Lower Upper
50 100
52 28.0 26.3 39.5

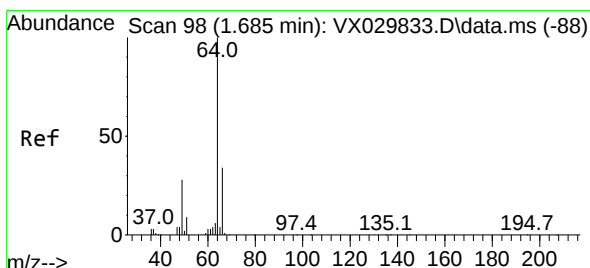
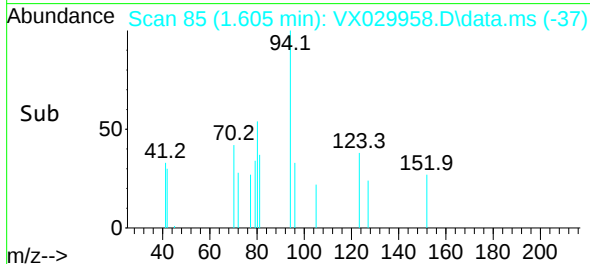
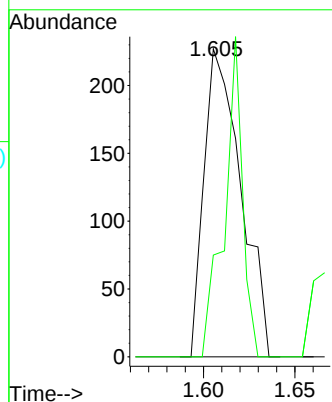
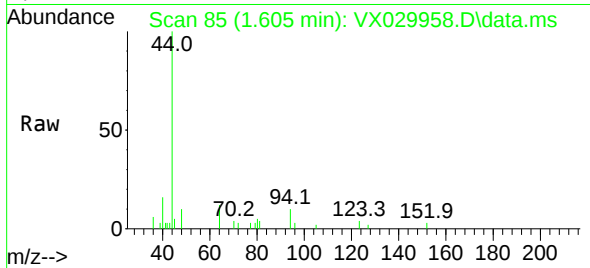




#5
Bromomethane
Concen: 0.267 ug/l
RT: 1.605 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

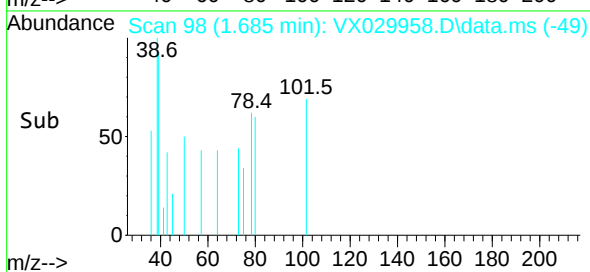
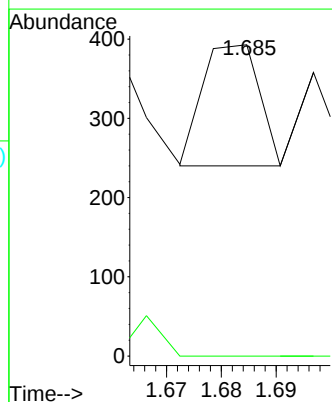
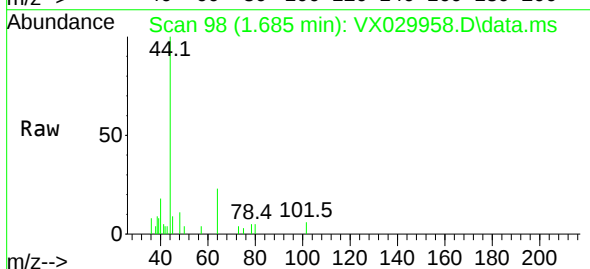
Instrument :
MSVOA_X
ClientSampleId :
MW-03

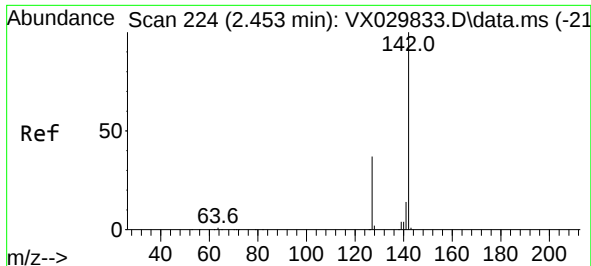
Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 33.0 76.9 115.3#



#6
Chloroethane
Concen: 1.104 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

Tgt Ion: 64 Resp: 110
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

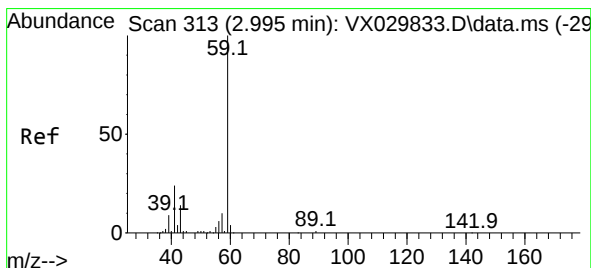
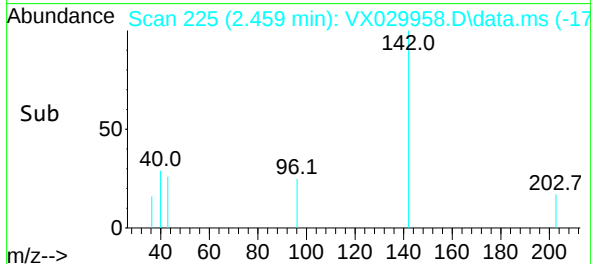
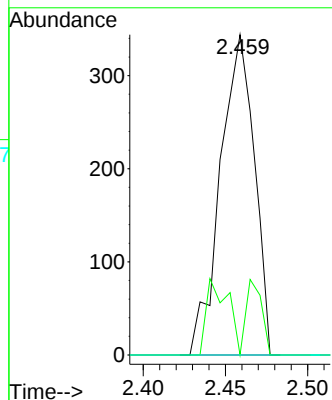
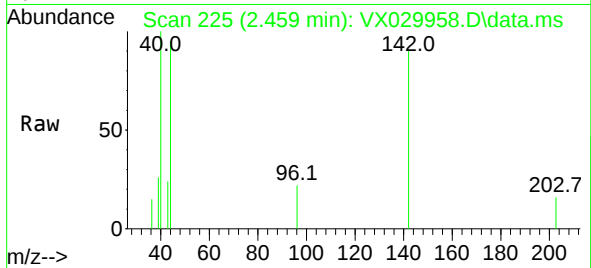




#10
Methyl Iodide
Concen: 2.051 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

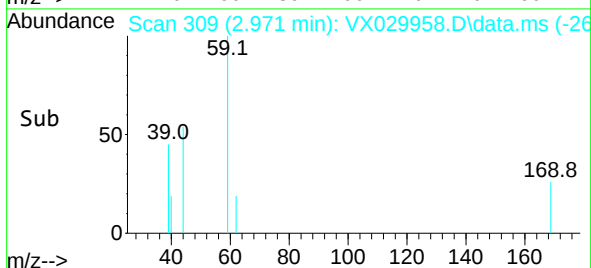
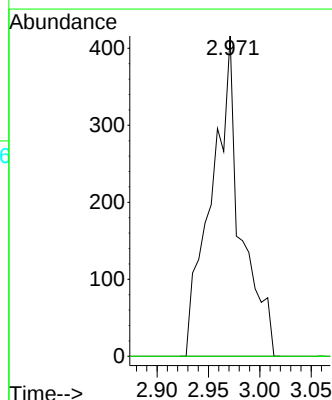
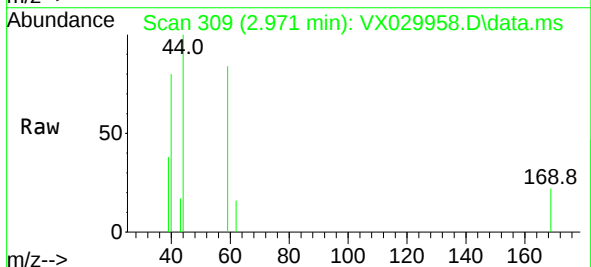
Instrument :
MSVOA_X
ClientSampleId :
MW-03

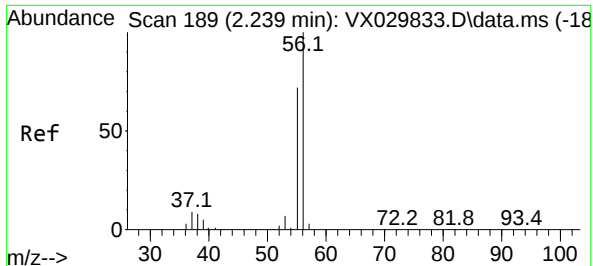
Tgt Ion:142 Resp: 494
Ion Ratio Lower Upper
142 100
127 10.7 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.283 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

Tgt Ion: 59 Resp: 825
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

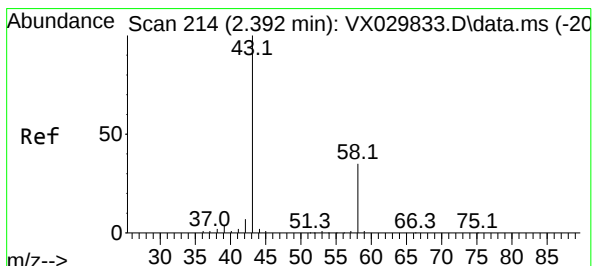
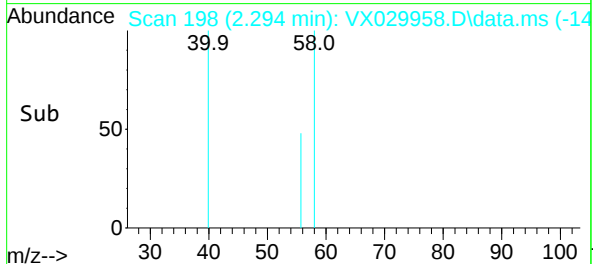
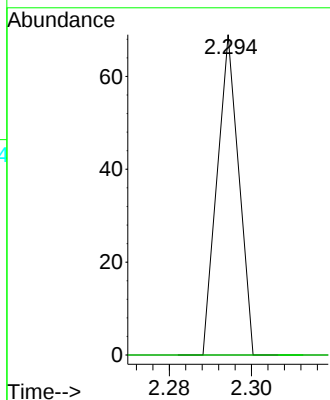
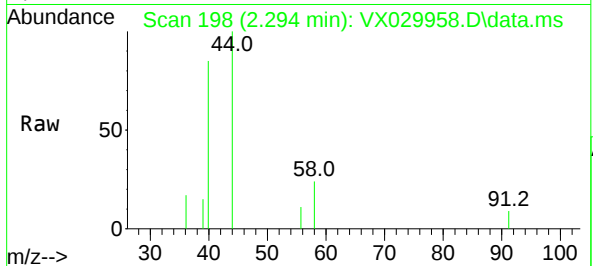




#13
Acrolein
Concen: Below Cal
RT: 2.294 min Scan# 19
Delta R.T. 0.055 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

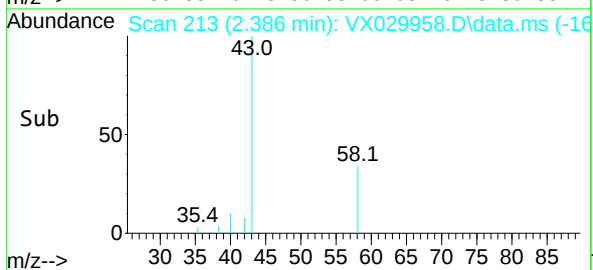
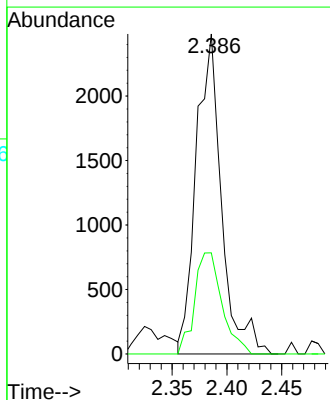
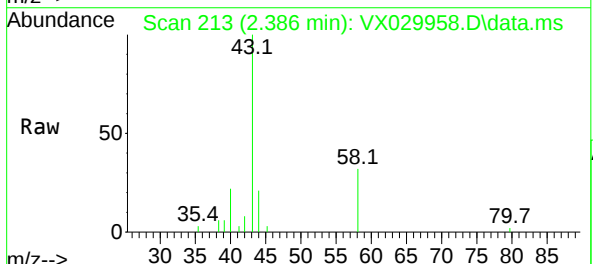
Instrument :
MSVOA_X
ClientSampleId :
MW-03

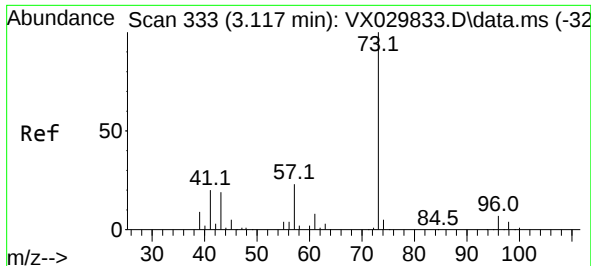
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 3.312 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

Tgt Ion: 43 Resp: 3984
Ion Ratio Lower Upper
43 100
58 31.6 27.7 41.5





#19

Methyl tert-butyl Ether

Concen: 0.319 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

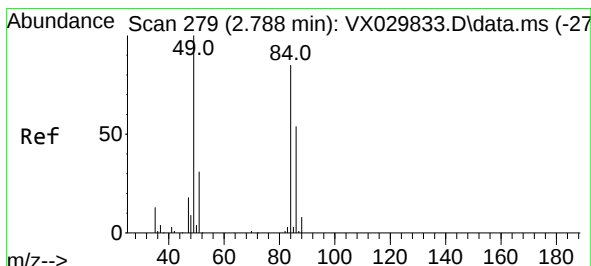
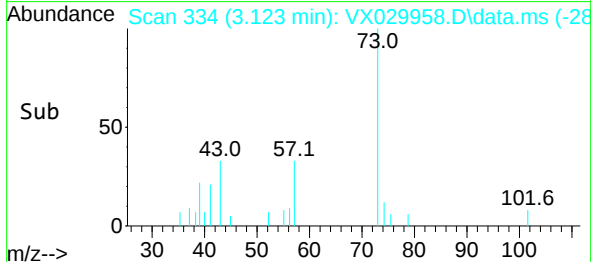
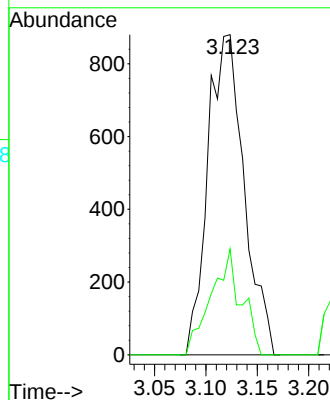
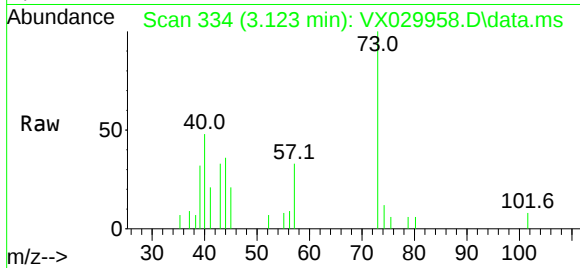
MW-03

Tgt Ion: 73 Resp: 2152

Ion Ratio Lower Upper

73 100

57 33.1 19.0 28.6#



#20

Methylene Chloride

Concen: 0.389 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

Tgt Ion: 84 Resp: 988

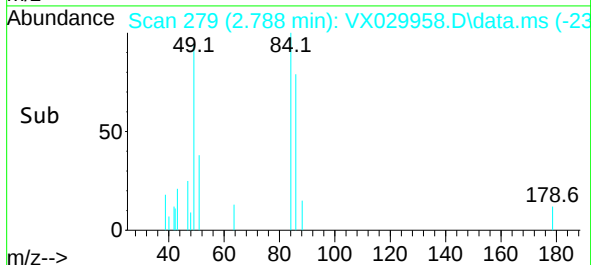
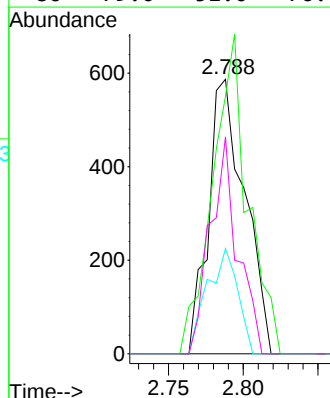
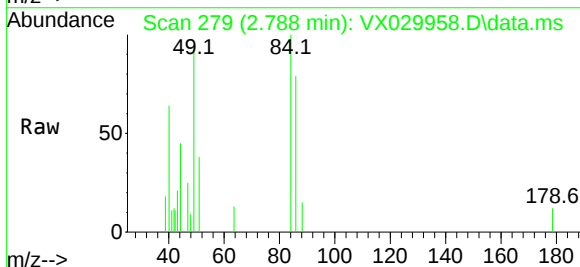
Ion Ratio Lower Upper

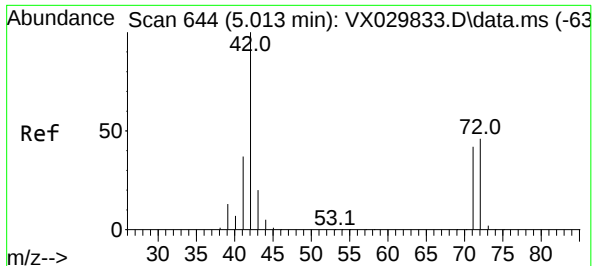
84 100

49 93.9 93.8 140.6

51 38.3 29.4 44.0

86 79.0 51.0 76.4#





#29

Tetrahydrofuran

Concen: 0.464 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

MW-03

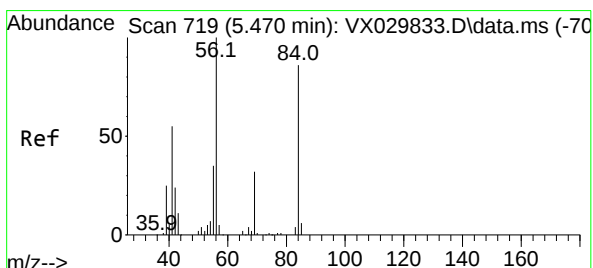
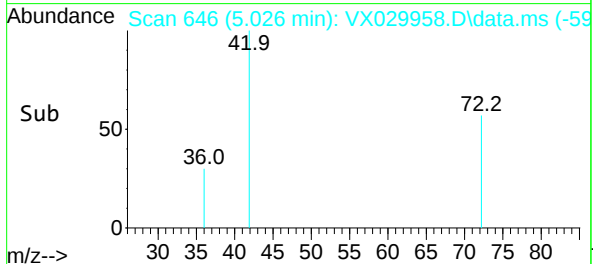
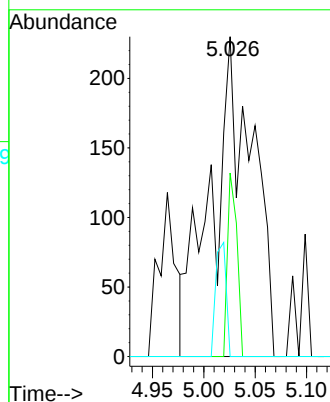
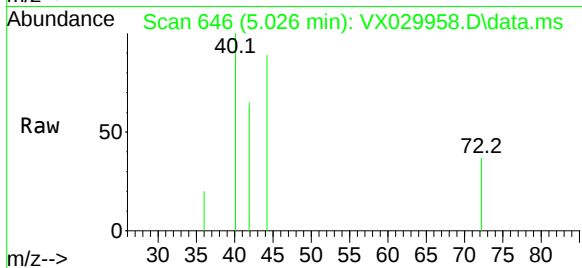
Tgt Ion: 42 Resp: 638

Ion Ratio Lower Upper

42 100

72 13.0 36.5 54.7#

71 8.9 33.9 50.9#



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

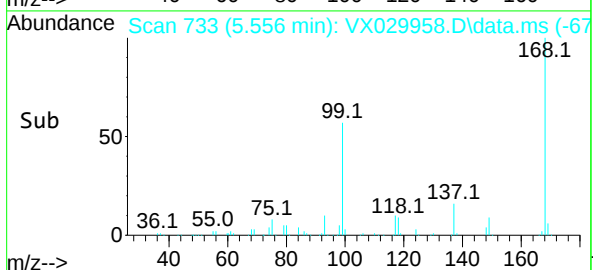
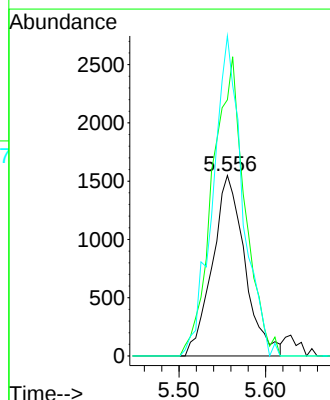
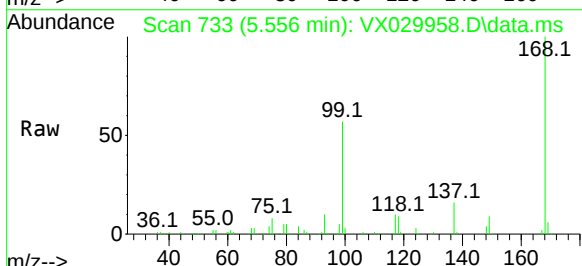
Tgt Ion: 56 Resp: 4026

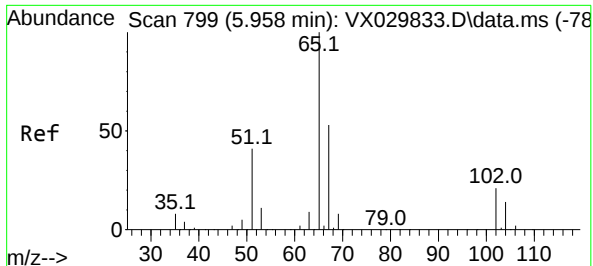
Ion Ratio Lower Upper

56 100

69 141.9 25.4 38.0#

84 177.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 43.463 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

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ClientSampleId :

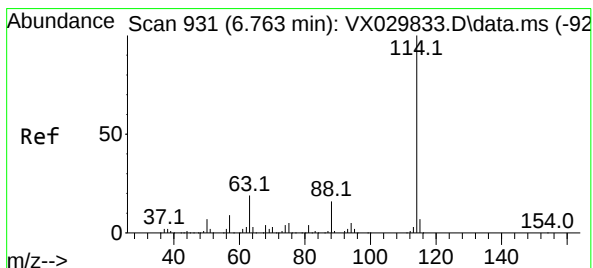
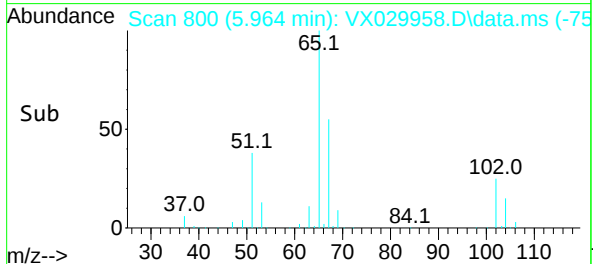
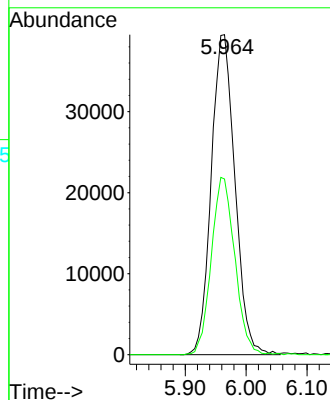
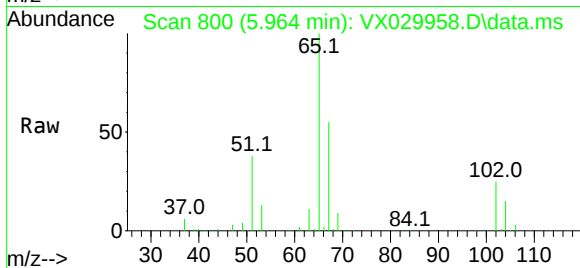
MW-03

Tgt Ion: 65 Resp: 106856

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

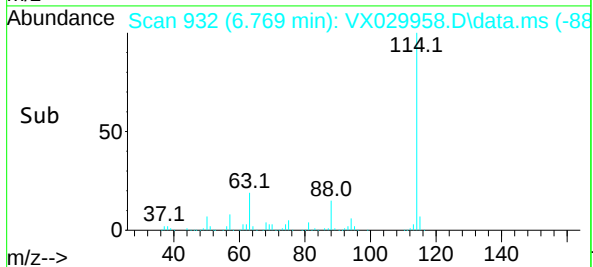
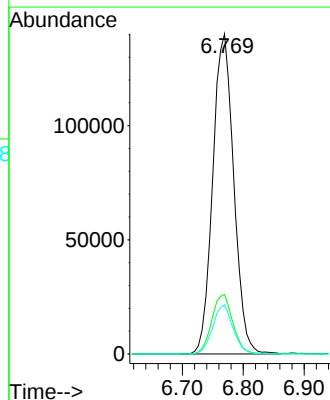
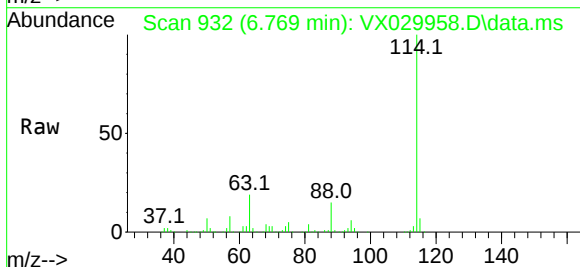
Tgt Ion: 114 Resp: 335660

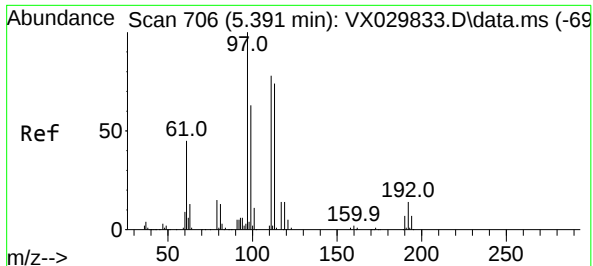
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.189 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

MW-03

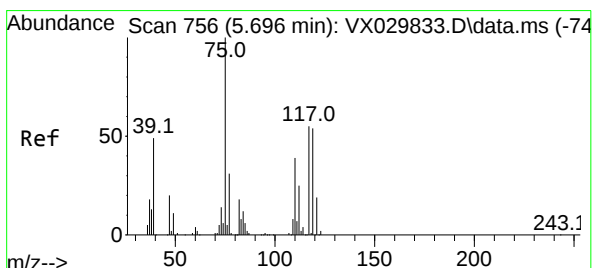
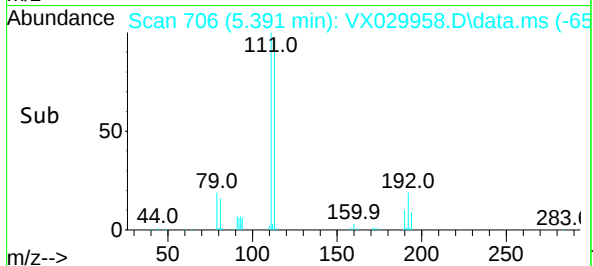
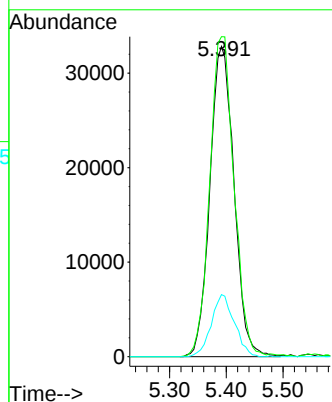
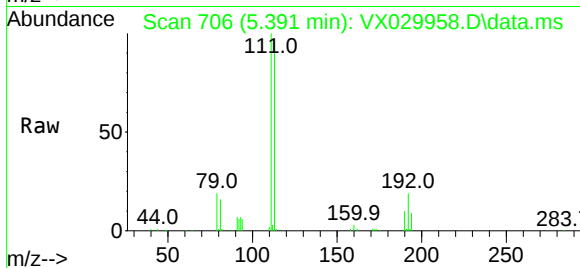
Tgt Ion:113 Resp: 96890

Ion Ratio Lower Upper

113 100

111 103.6 83.2 124.8

192 19.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.158 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

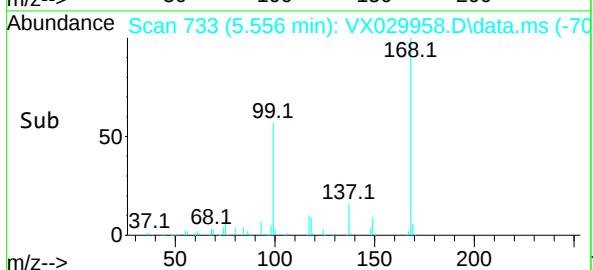
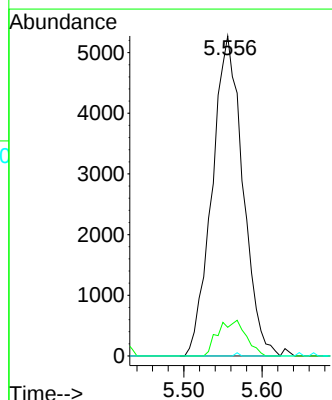
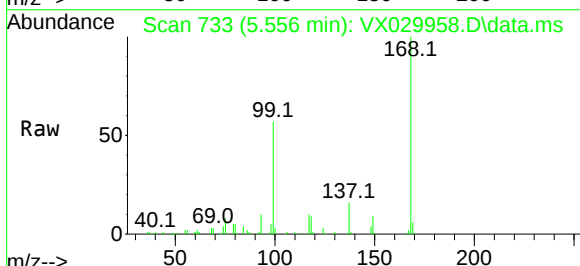
Tgt Ion: 75 Resp: 14392

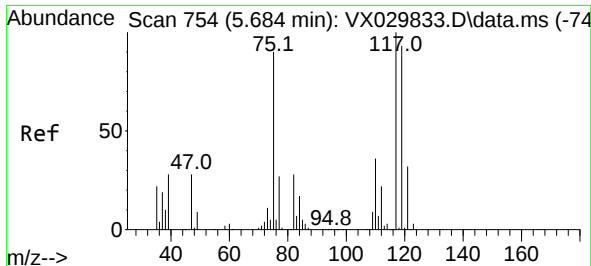
Ion Ratio Lower Upper

75 100

110 10.2 19.3 57.9#

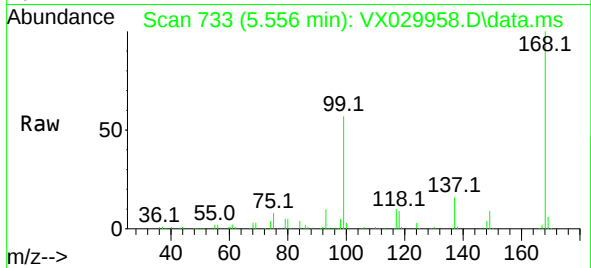
77 0.1 24.4 36.6#



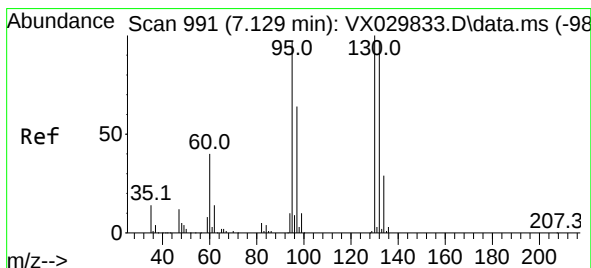
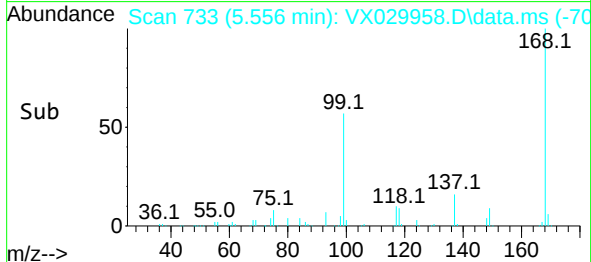
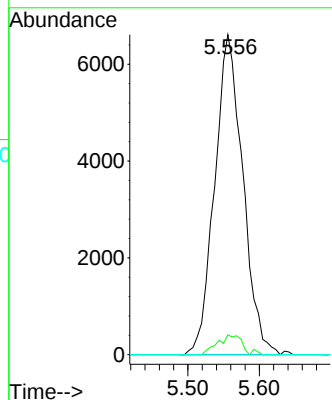


#38
Carbon Tetrachloride
Concen: 7.480 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

Instrument :
MSVOA_X
ClientSampleId :
MW-03

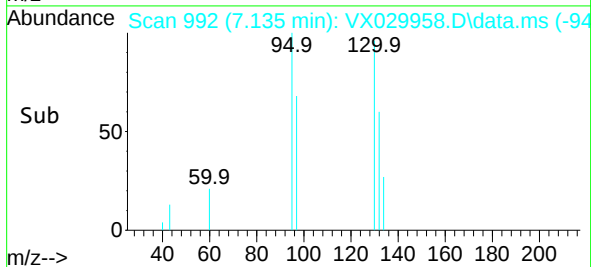
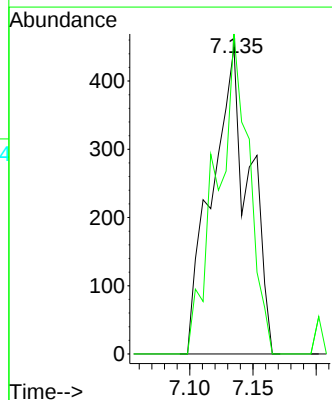
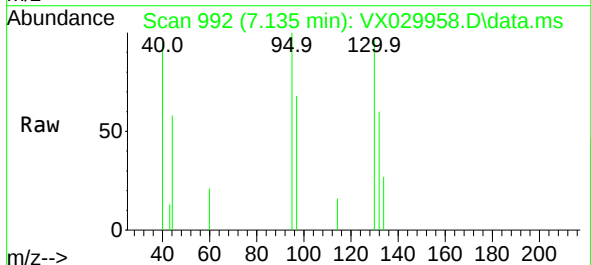


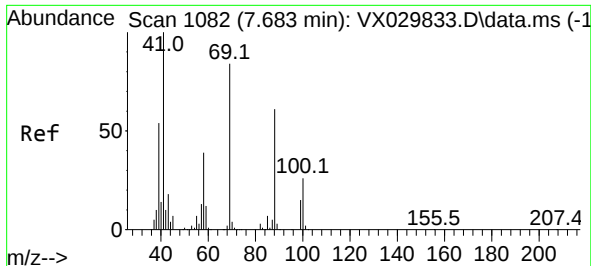
Tgt Ion:117 Resp: 18082
Ion Ratio Lower Upper
117 100
119 6.2 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.384 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

Tgt Ion:130 Resp: 934
Ion Ratio Lower Upper
130 100
95 104.2 0.0 194.8





#49

1,4-Dioxane

Concen: 0.605 ug/l

RT: 7.543 min Scan# 1059

Delta R.T. -0.140 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

MW-03

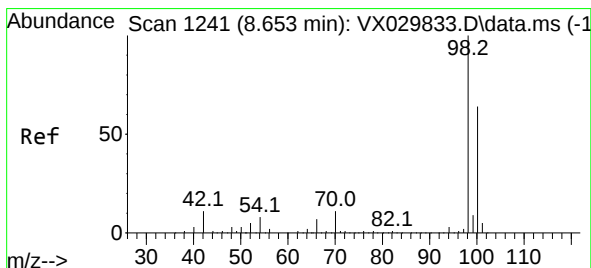
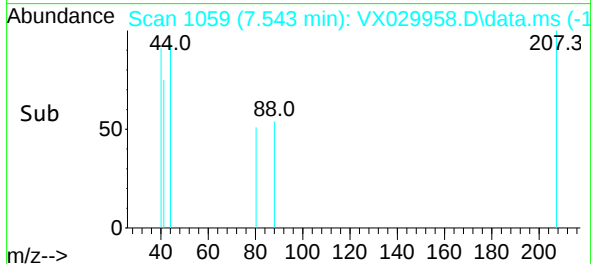
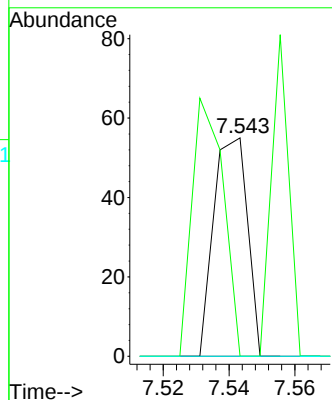
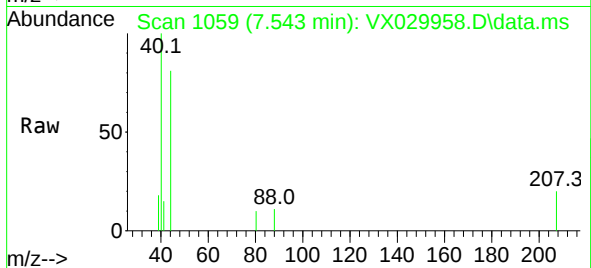
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 76.9 23.8 35.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 48.481 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX029958.D

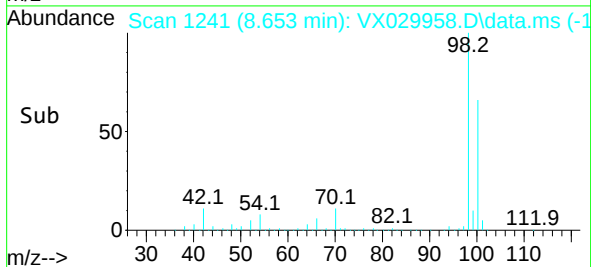
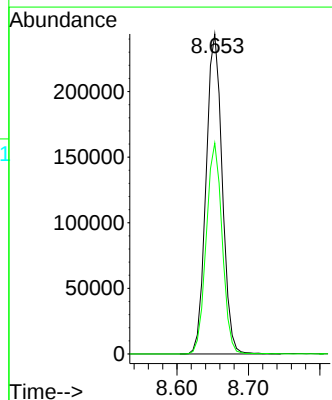
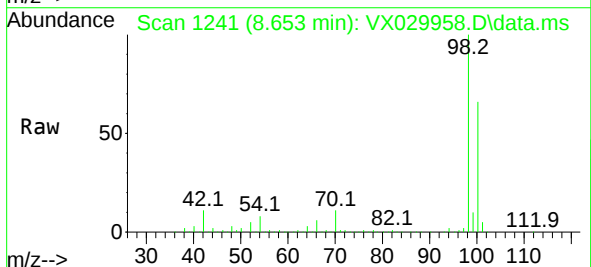
Acq: 07 Jul 2022 16:27

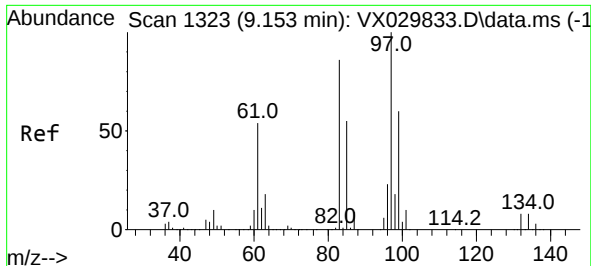
Tgt Ion: 98 Resp: 381516

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5

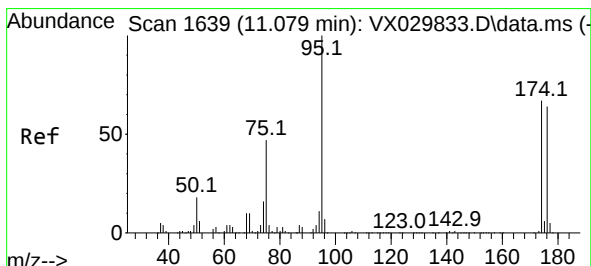
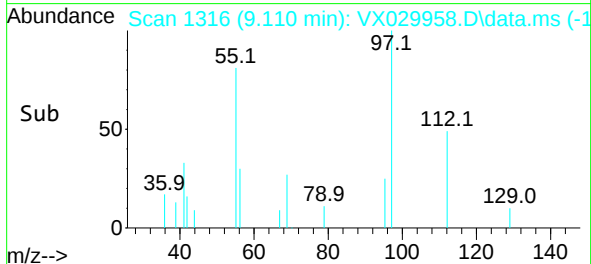
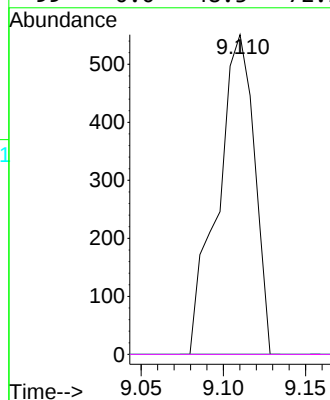
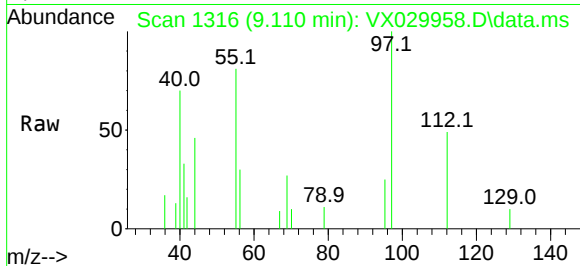




#55
1,1,2-Trichloroethane
Concen: 0.361 ug/l
RT: 9.110 min Scan# 11
Delta R.T. -0.043 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

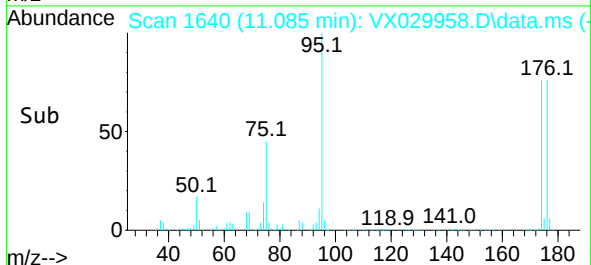
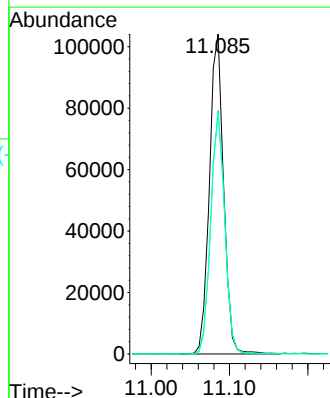
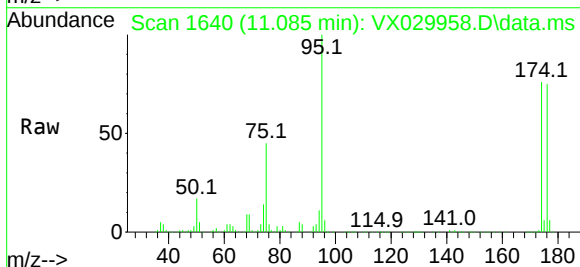
Instrument :
MSVOA_X
ClientSampleId :
MW-03

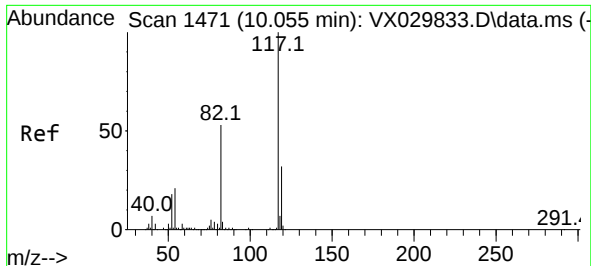
Tgt Ion: 97	Resp:	856
Ion	Ratio	Lower Upper
97	100	
83	0.0	68.9 103.3#
85	0.0	44.0 66.0#
99	0.0	48.3 72.5#



#62
4-Bromofluorobenzene
Concen: 46.949 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

Tgt Ion: 95	Resp:	130601
Ion	Ratio	Lower Upper
95	100	
174	75.5	0.0 149.0
176	74.0	0.0 146.0

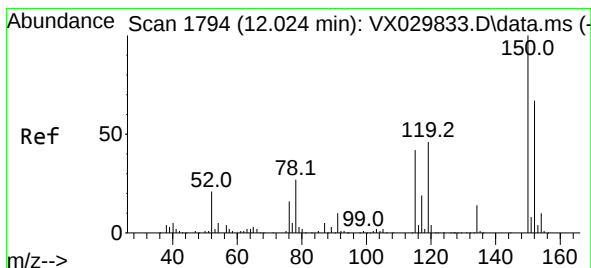
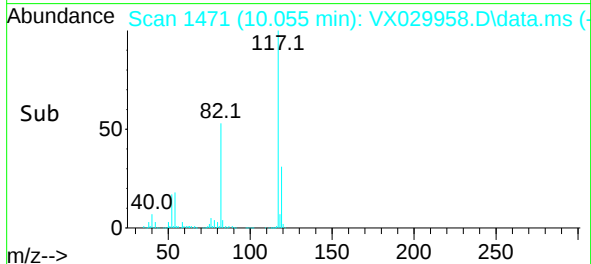
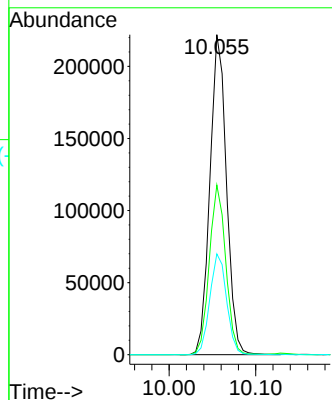
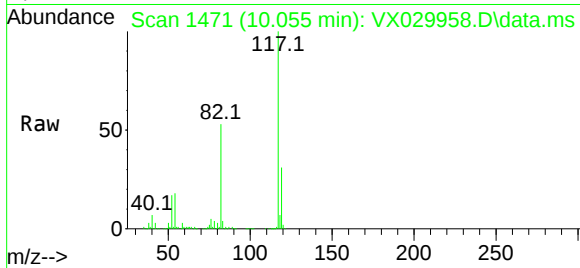




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

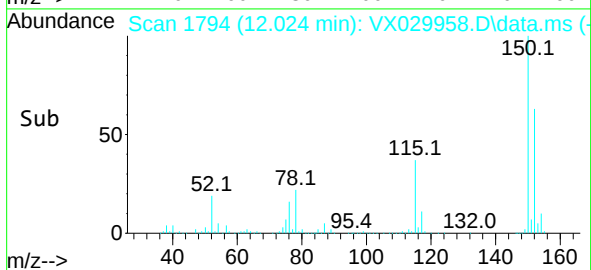
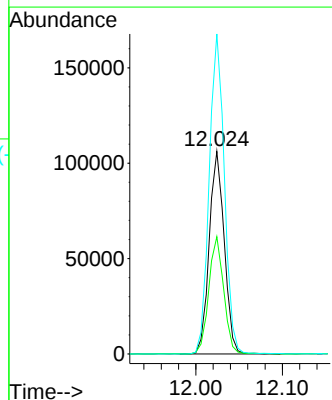
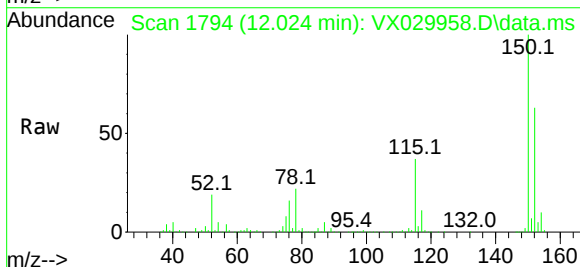
Instrument :
MSVOA_X
ClientSampleId :
MW-03

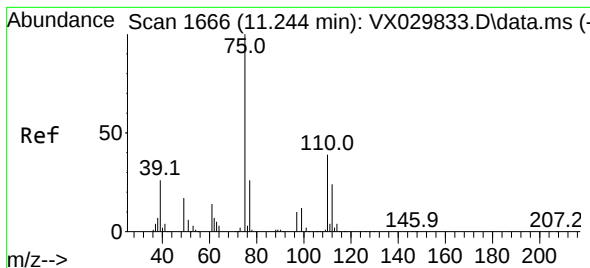
Tgt Ion:117 Resp: 295359
Ion Ratio Lower Upper
117 100
82 53.0 42.7 64.1
119 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

Tgt Ion:152 Resp: 128368
Ion Ratio Lower Upper
152 100
115 57.6 40.5 121.5
150 158.9 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 19.540 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.158 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

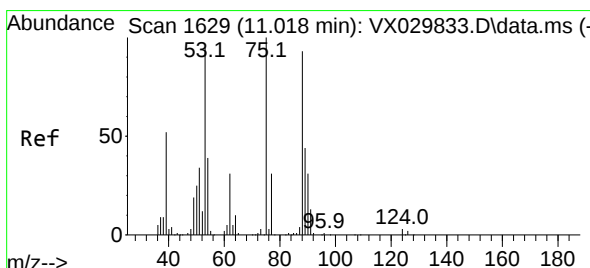
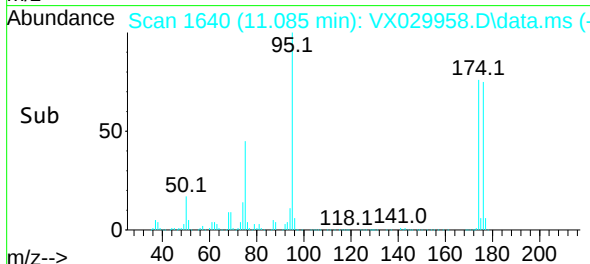
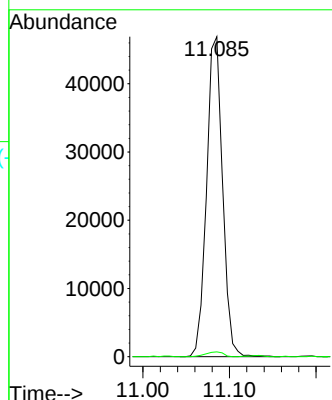
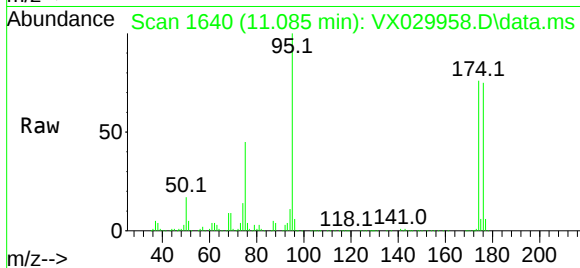
MW-03

Tgt Ion: 75 Resp: 60047

Ion Ratio Lower Upper

75 100

77 1.7 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.056 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

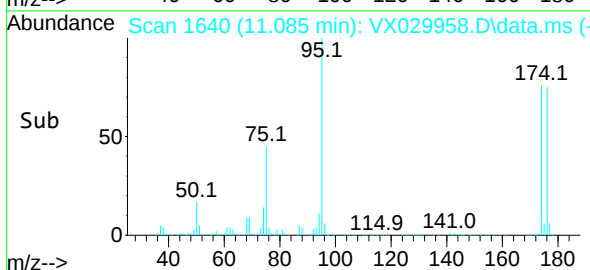
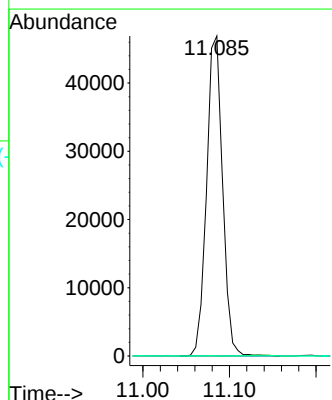
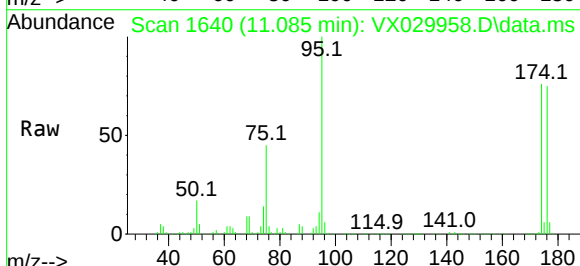
Tgt Ion: 75 Resp: 60047

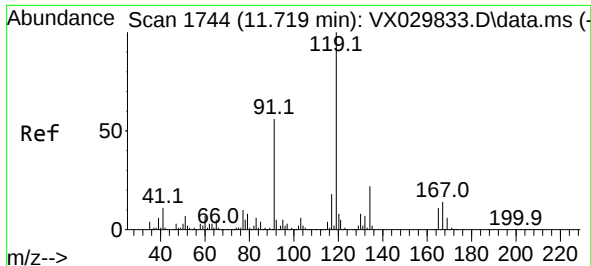
Ion Ratio Lower Upper

75 100

53 0.1 74.2 111.4#

89 0.0 34.8 52.2#

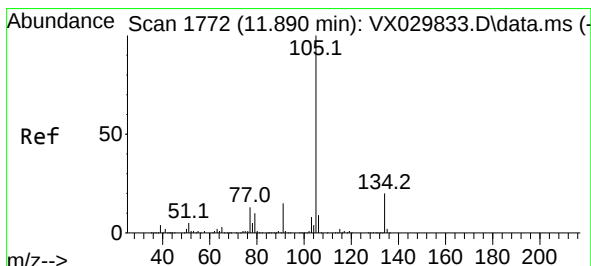
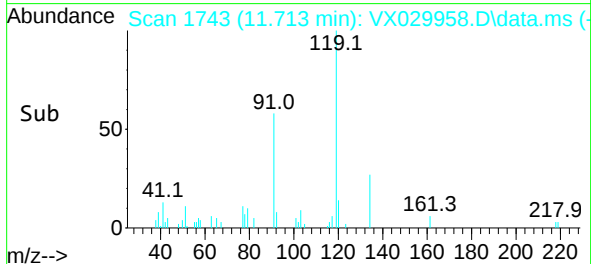
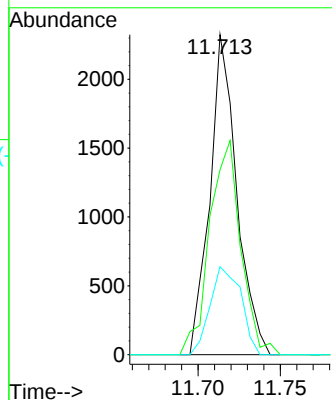
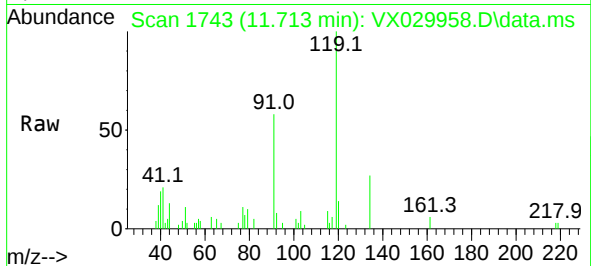




#83
tert-Butylbenzene
Concen: 0.346 ug/l
RT: 11.713 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

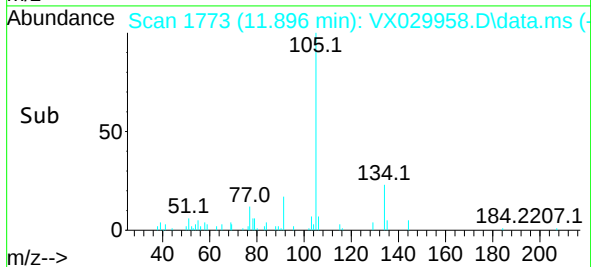
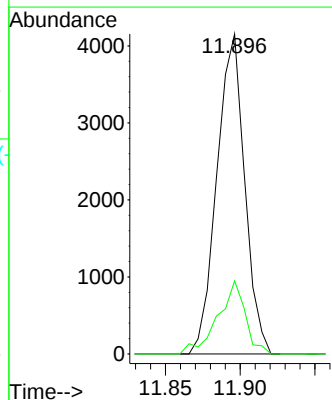
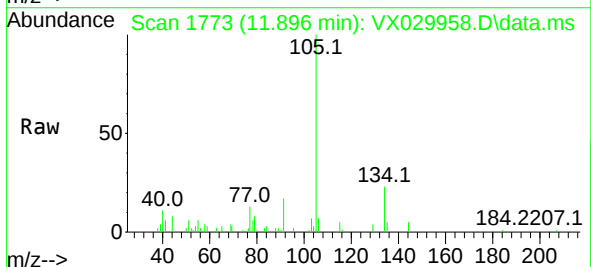
Instrument :
MSVOA_X
ClientSampleId :
MW-03

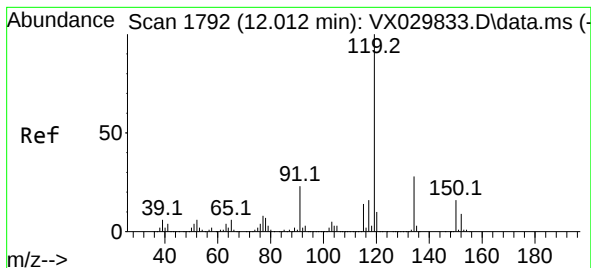
Tgt Ion:	119	Resp:	2645
Ion	Ratio	Lower	Upper
119	100		
91	77.4	28.3	84.9
134	31.4	11.2	33.5



#85
sec-Butylbenzene
Concen: 0.557 ug/l
RT: 11.896 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VX029958.D
Acq: 07 Jul 2022 16:27

Tgt Ion:	105	Resp:	5366
Ion	Ratio	Lower	Upper
105	100		
134	22.5	10.0	30.0





#86

p-Isopropyltoluene

Concen: 1.677 ug/l

RT: 12.183 min Scan# 119

Delta R.T. 0.171 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

MW-03

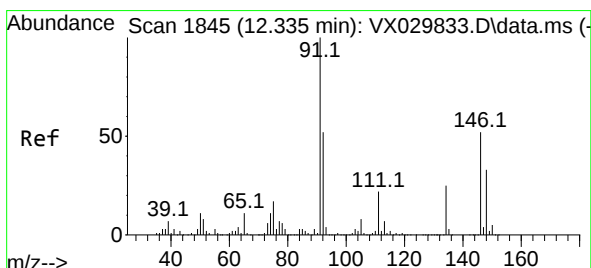
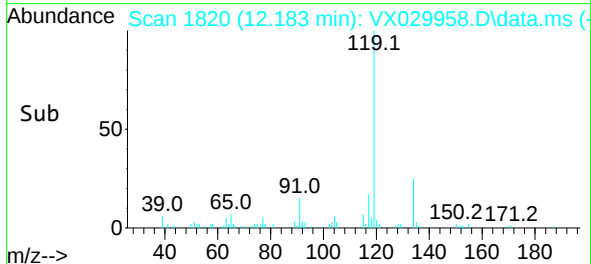
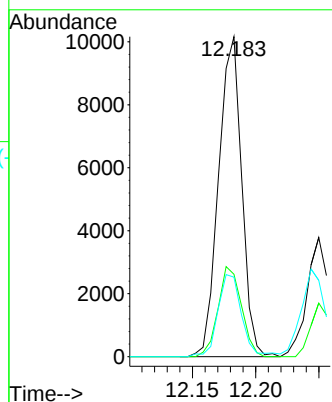
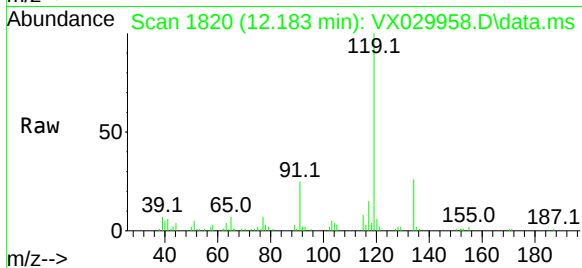
Tgt Ion:119 Resp: 12887

Ion Ratio Lower Upper

119 100

134 28.4 13.9 41.6

91 25.9 11.8 35.3



#89

n-Butylbenzene

Concen: 0.274 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.018 min

Lab File: VX029958.D

Acq: 07 Jul 2022 16:27

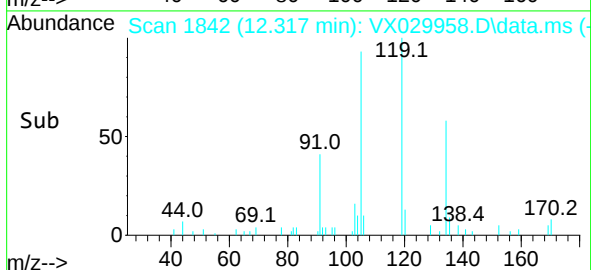
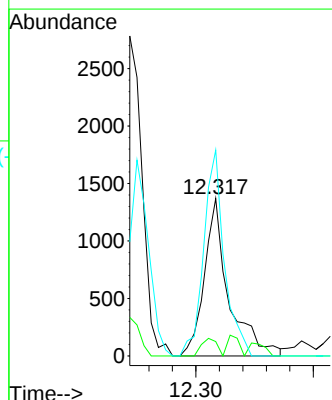
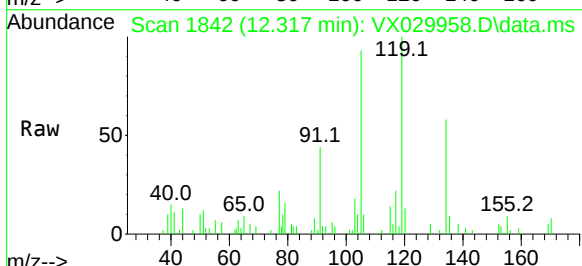
Tgt Ion: 91 Resp: 1978

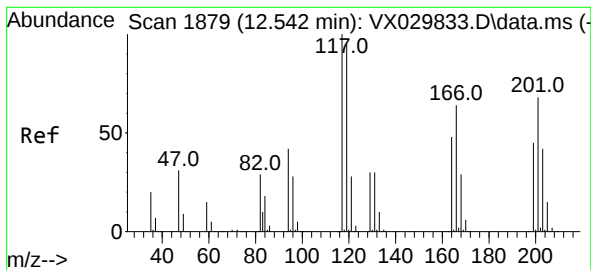
Ion Ratio Lower Upper

91 100

92 7.0 26.2 78.5#

134 110.4 12.6 37.8#





#90
 Hexachloroethane
 Concen: 3.701 ug/l
 RT: 12.646 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VX029958.D
 Acq: 07 Jul 2022 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-03

Tgt Ion:117 Resp: 4640
 Ion Ratio Lower Upper
 117 100
 201 0.0 34.2 102.5#

