

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031122\
 Data File : VX027412.D
 Acq On : 11 Mar 2022 19:15
 Operator : JC/MD
 Sample : N1895-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Mar 11 23:15:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

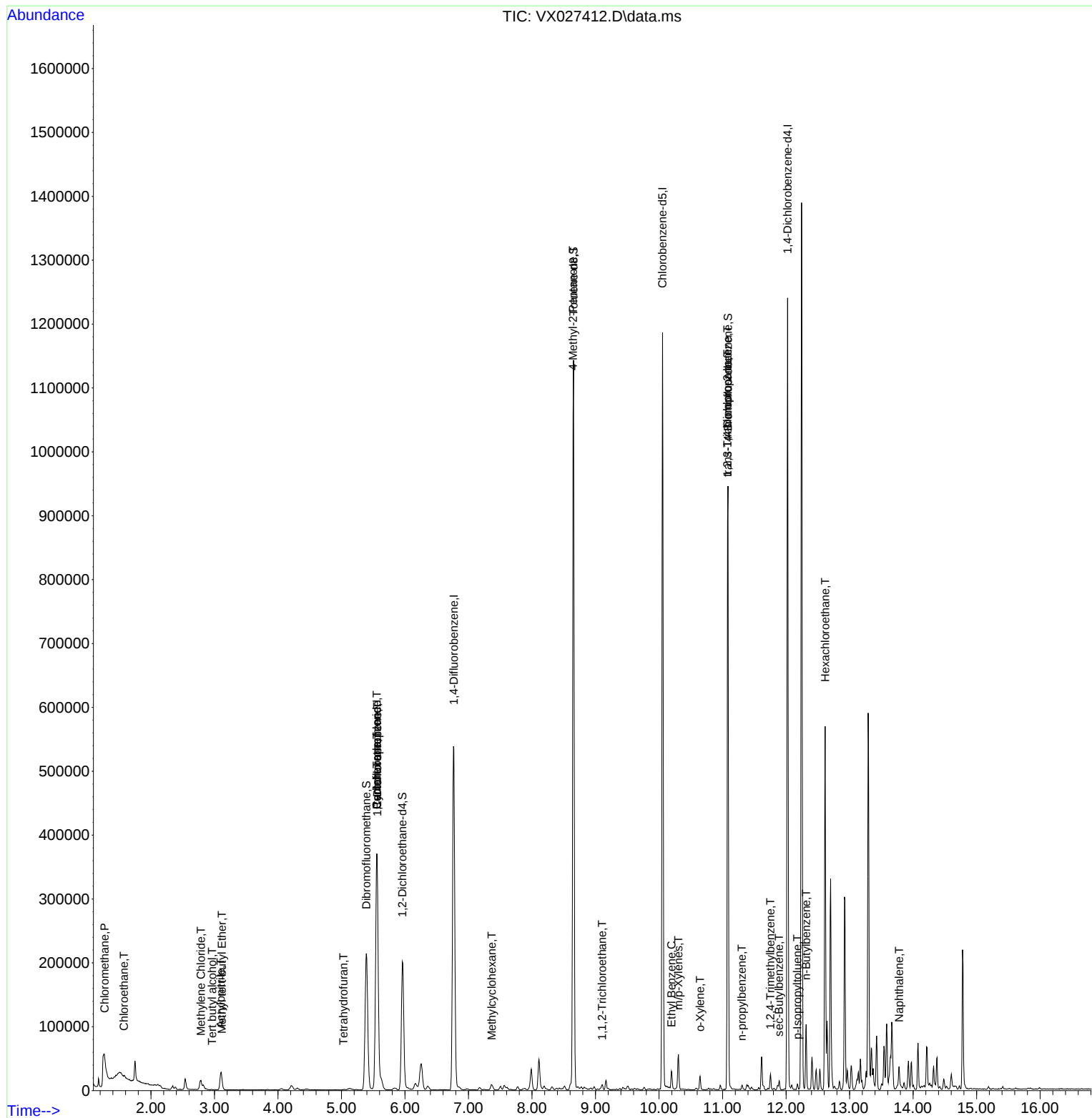
Internal Standards						
1) Pentafluorobenzene	5.556	168	385958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	616467	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	572244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	270968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	190343	42.290	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	84.580%
35) Dibromofluoromethane	5.391	113	194334	48.854	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.700%
50) Toluene-d8	8.653	98	724121	48.219	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.440%
62) 4-Bromofluorobenzene	11.085	95	264174	46.155	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.320%
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	1222	0.294	ug/l #	42
5) Bromomethane	1.612	94	344	Below Cal	#	62
6) Chloroethane	1.575	64	8958	3.656	ug/l #	44
11) Tert butyl alcohol	2.965	59	284	0.322	ug/l #	72
15) Acrylonitrile	3.099	53	614	0.264	ug/l #	24
16) Acetone	2.386	43	4257	Below Cal		98
19) Methyl tert-butyl Ether	3.117	73	3377	0.272	ug/l #	1
20) Methylene Chloride	2.788	84	1478	0.336	ug/l	94
29) Tetrahydrofuran	5.032	42	739	0.360	ug/l #	72
31) Cyclohexane	5.556	56	6067	0.964	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	23656	4.283	ug/l #	50
38) Carbon Tetrachloride	5.556	117	35892	6.285	ug/l #	15
39) Methylcyclohexane	7.367	83	1967	0.282	ug/l #	35
51) 4-Methyl-2-Pentanone	8.647	43	3002	0.511	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	3076	0.687	ug/l #	19
67) Ethyl Benzene	10.195	91	17386	0.837	ug/l	91
68) m/p-Xylenes	10.305	106	13726	1.685	ug/l	97
69) o-Xylene	10.647	106	4693	0.584	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	118067	19.860	ug/l #	38
78) n-propylbenzene	11.305	91	4767	0.214	ug/l	87
81) trans-1,4-Dichloro-2-b...	11.079	75	118067	64.228	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	11540	0.685	ug/l	99
85) sec-Butylbenzene	11.890	105	7472	0.365	ug/l	99
86) p-Isopropyltoluene	12.177	119	4363	0.252	ug/l #	76
89) n-Butylbenzene	12.317	91	9337	0.643	ug/l #	1
90) Hexachloroethane	12.616	117	23450	8.676	ug/l #	10
95) Naphthalene	13.780	128	24196	1.185	ug/l #	89

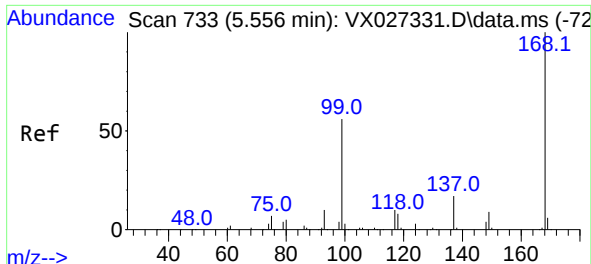
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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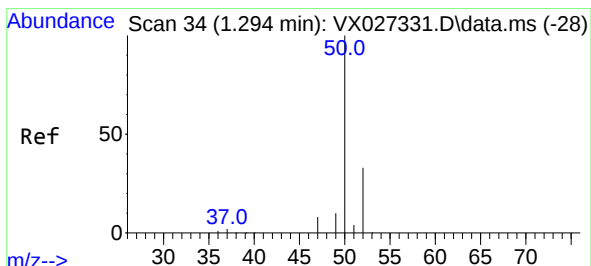
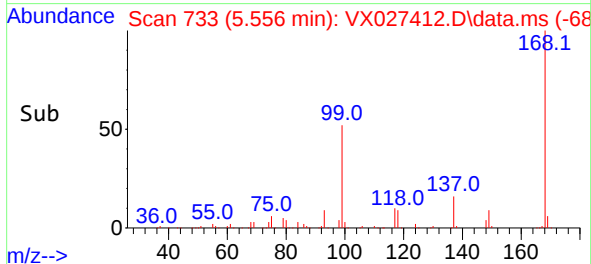
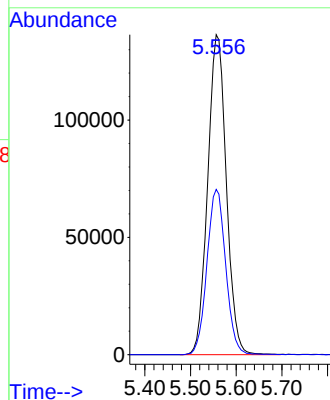
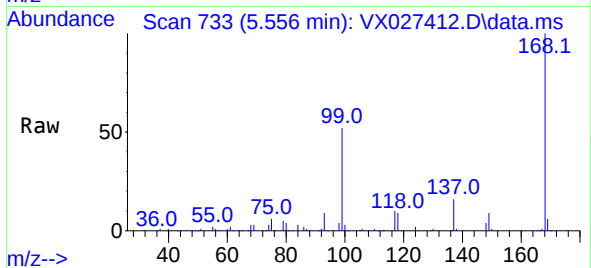




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

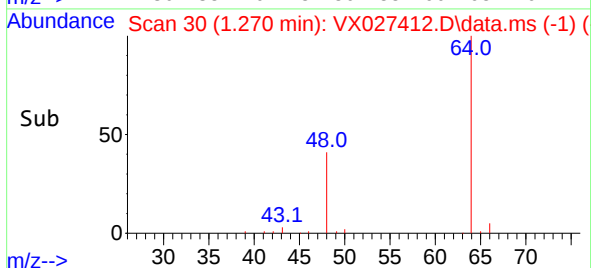
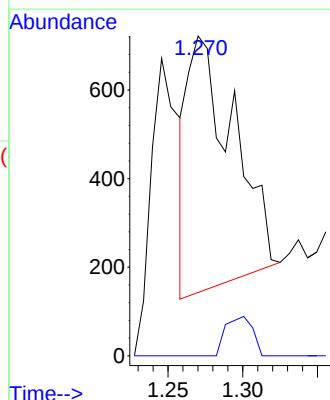
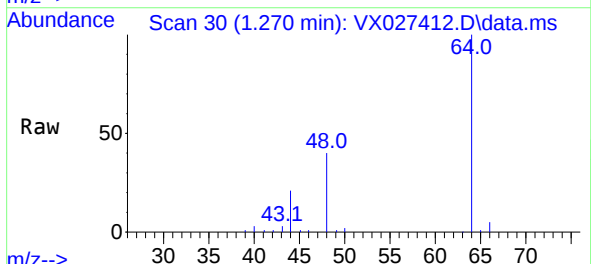
Instrument :
MSVOA_X
ClientSampleId :
MW-6

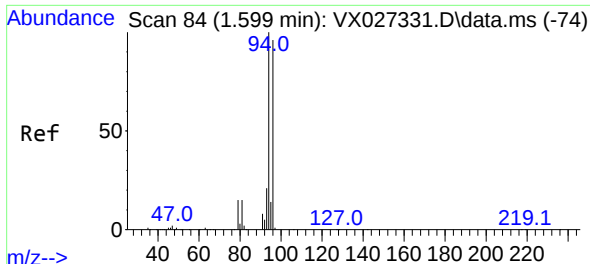
Tgt Ion:168 Resp: 385958
Ion Ratio Lower Upper
168 100
99 51.7 41.7 62.5



#3
Chloromethane
Concen: 0.294 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion: 50 Resp: 1222
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

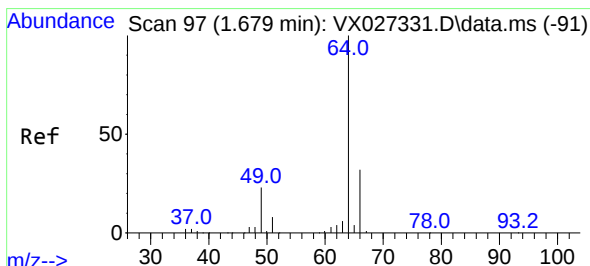
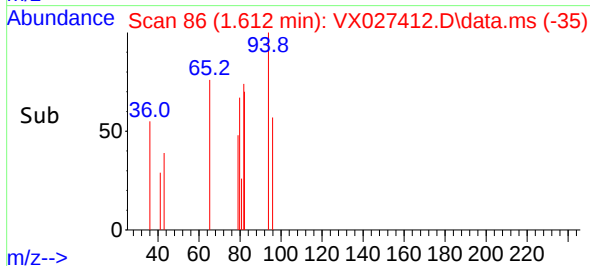
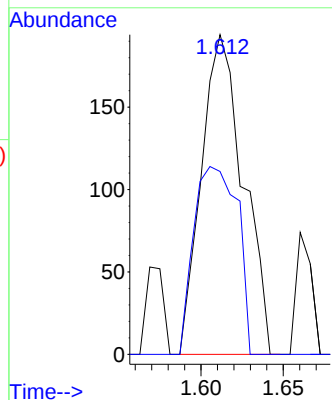
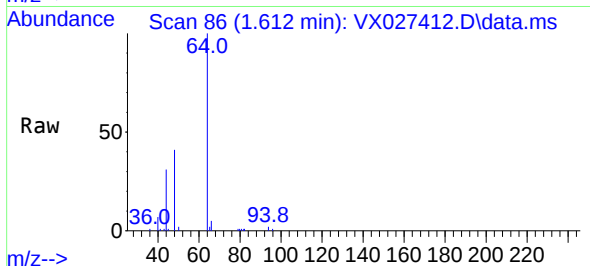




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

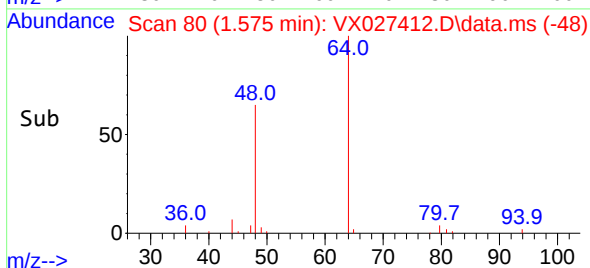
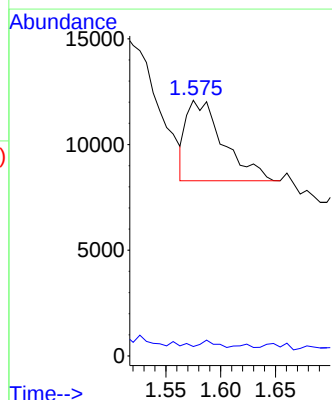
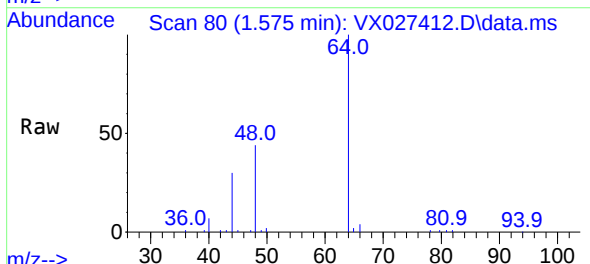
Instrument :
MSVOA_X
ClientSampleId :
MW-6

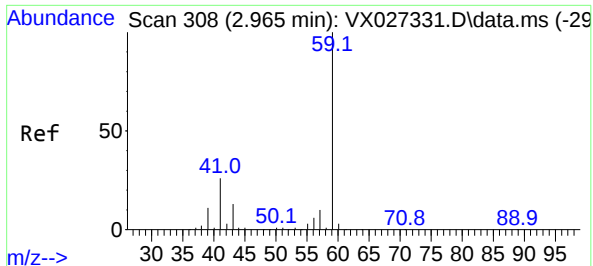
Tgt Ion: 94 Resp: 344
Ion Ratio Lower Upper
94 100
96 57.2 75.3 112.9#



#6
Chloroethane
Concen: 3.656 ug/l
RT: 1.575 min Scan# 80
Delta R.T. -0.104 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion: 64 Resp: 8958
Ion Ratio Lower Upper
64 100
66 0.6 25.3 37.9#

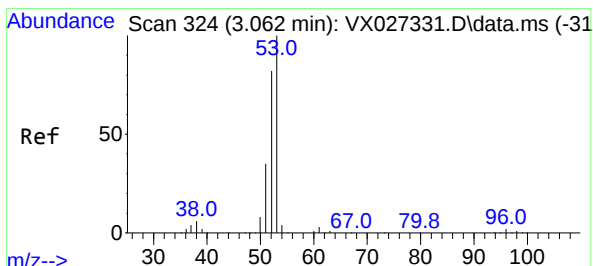
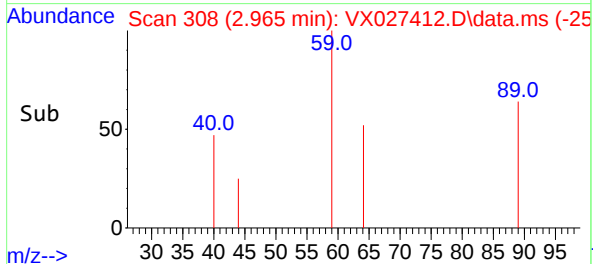
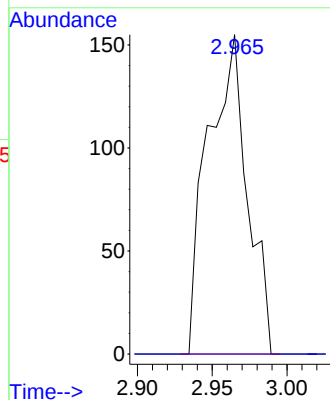
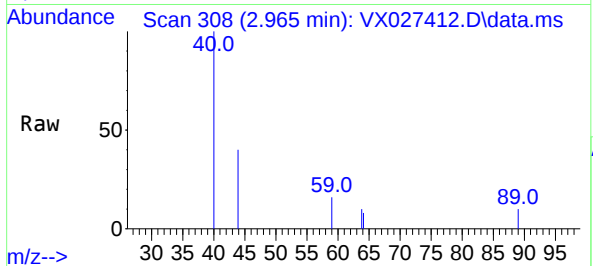




#11
Tert butyl alcohol
Concen: 0.322 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

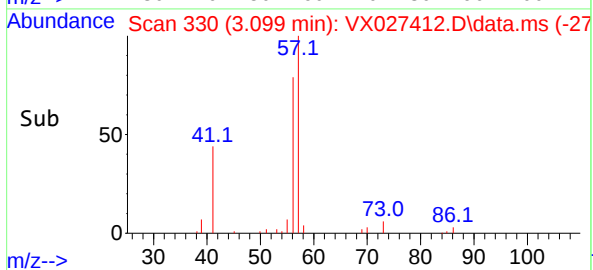
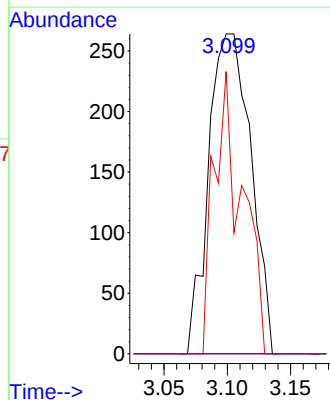
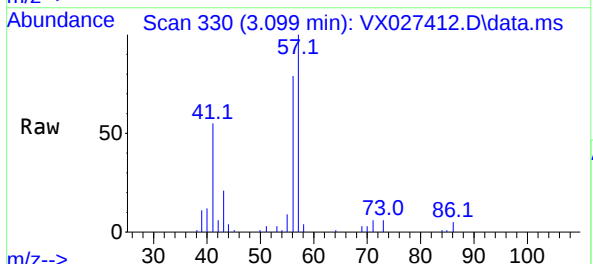
Instrument :
MSVOA_X
ClientSampleId :
MW-6

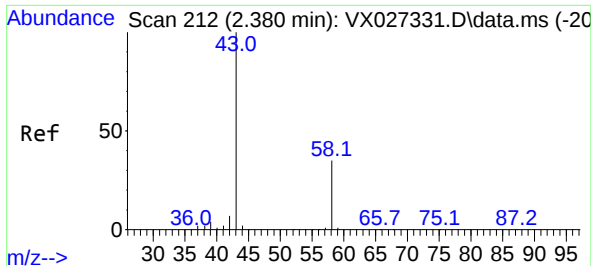
Tgt Ion: 59 Resp: 284
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#15
Acrylonitrile
Concen: 0.264 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.037 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion: 53 Resp: 614
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 59.3 28.4 42.6#

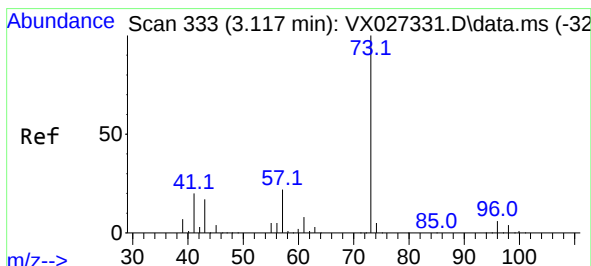
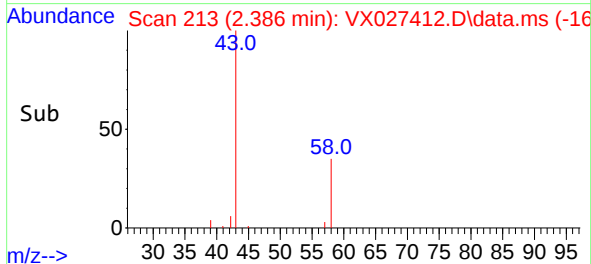
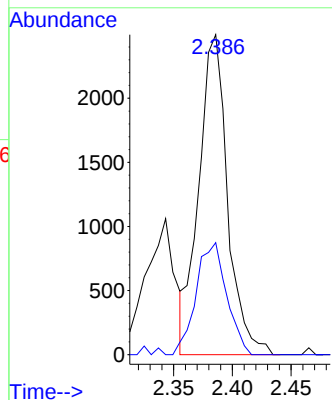
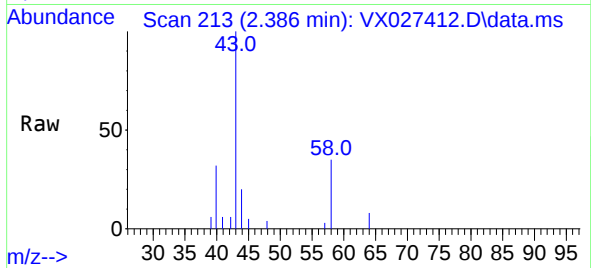




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

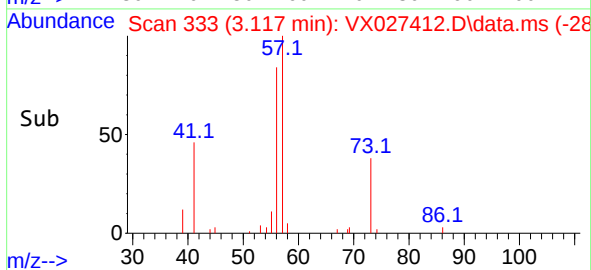
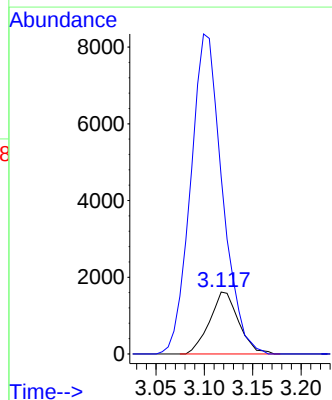
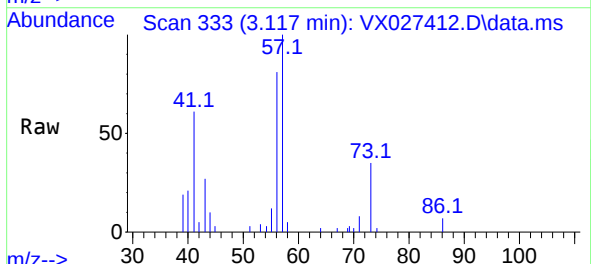
Instrument :
MSVOA_X
ClientSampleId :
MW-6

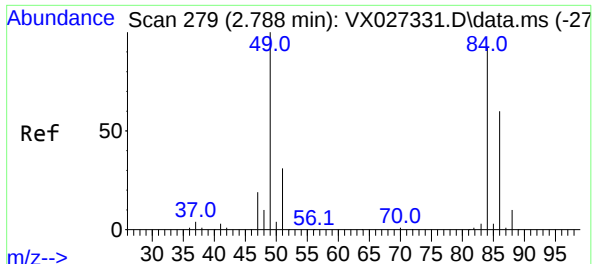
Tgt Ion: 43 Resp: 4257
Ion Ratio Lower Upper
43 100
58 35.0 28.8 43.2



#19
Methyl tert-butyl Ether
Concen: 0.272 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion: 73 Resp: 3377
Ion Ratio Lower Upper
73 100
57 286.7 16.8 25.2#



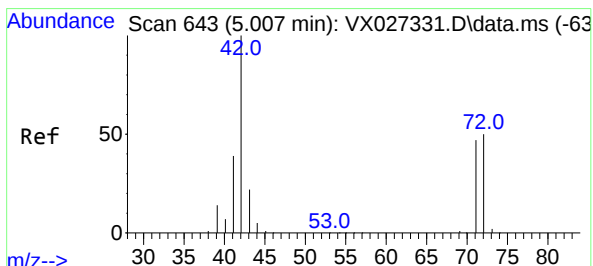
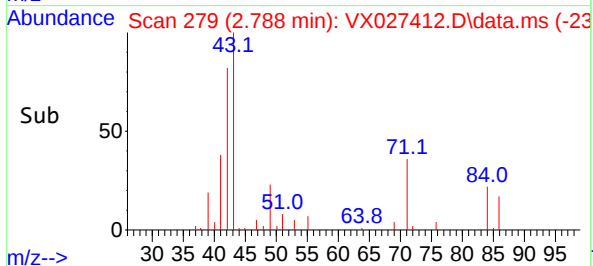
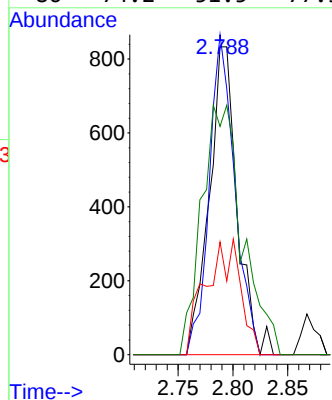
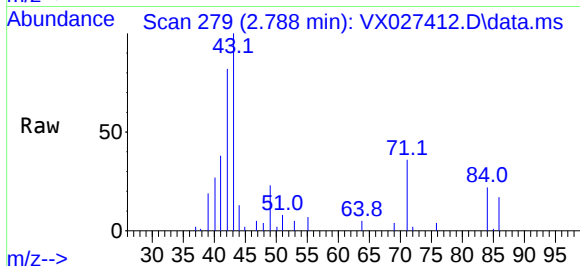


#20
Methylene Chloride
Concen: 0.336 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Tgt Ion: 84 Resp: 1478

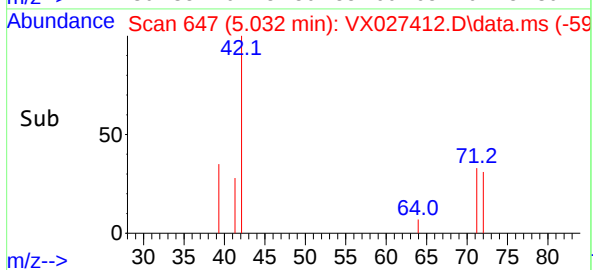
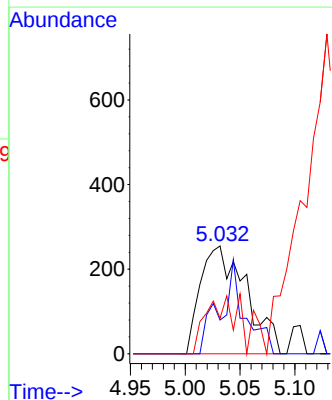
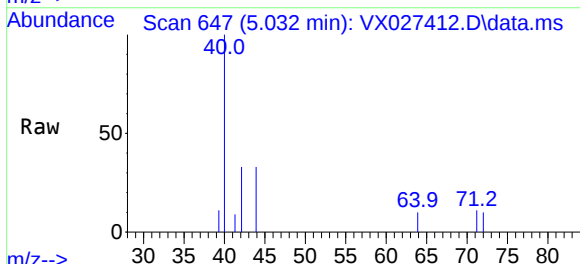
Ion	Ratio	Lower	Upper
84	100		
49	104.0	85.5	128.3
51	36.6	26.6	39.8
86	74.2	51.5	77.3

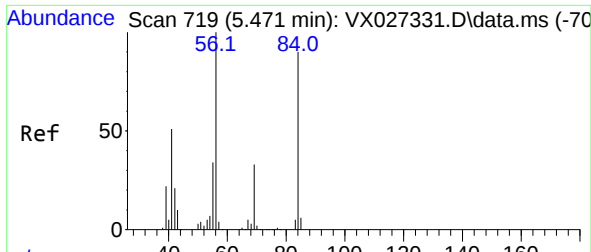


#29
Tetrahydrofuran
Concen: 0.360 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.025 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion: 42 Resp: 739

Ion	Ratio	Lower	Upper
42	100		
72	47.1	44.1	66.1
71	18.8	40.5	60.7

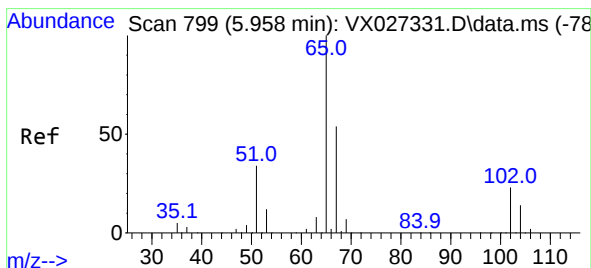
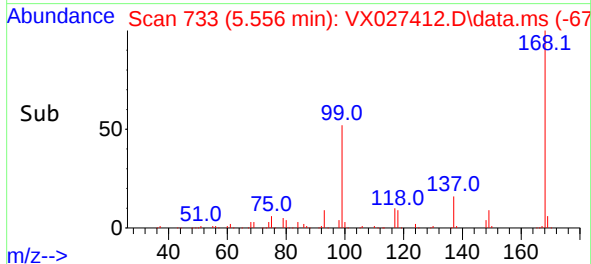
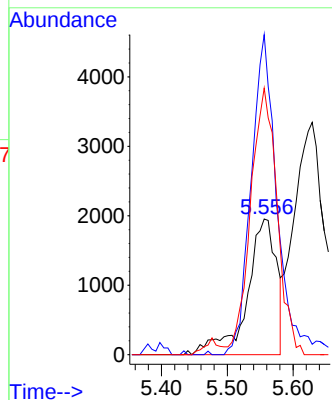
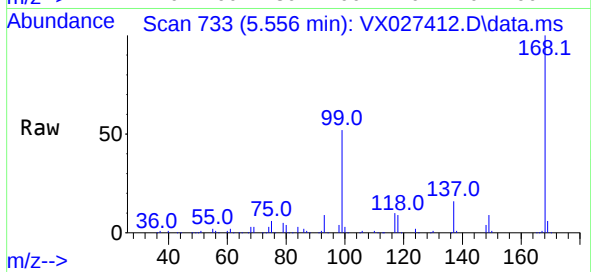




#31
Cyclohexane
Concen: 0.964 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

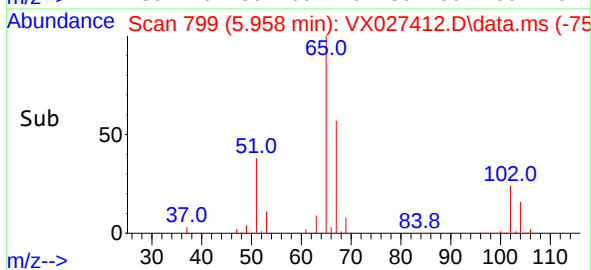
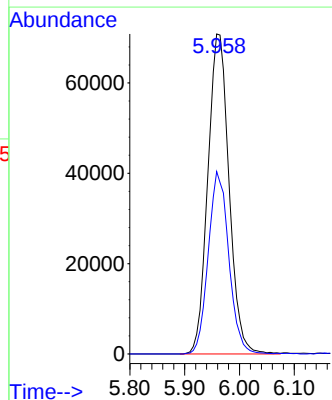
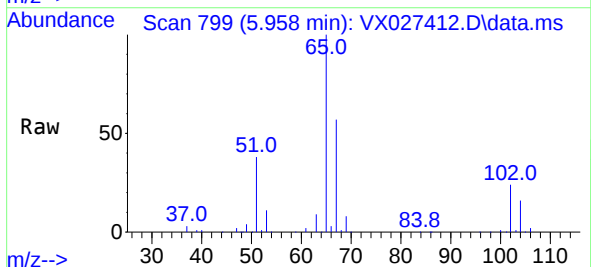
Instrument :
MSVOA_X
ClientSampleId :
MW-6

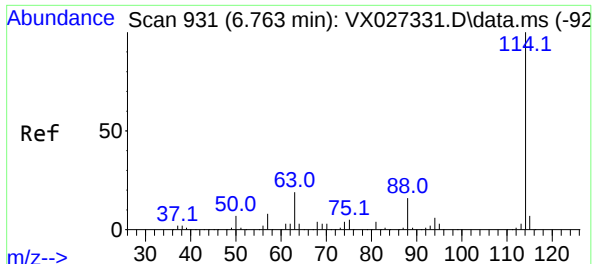
Tgt Ion: 56 Resp: 6067
Ion Ratio Lower Upper
56 100
69 235.9 26.7 40.1#
84 196.5 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 42.290 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion: 65 Resp: 190343
Ion Ratio Lower Upper
65 100
67 55.2 0.0 107.4

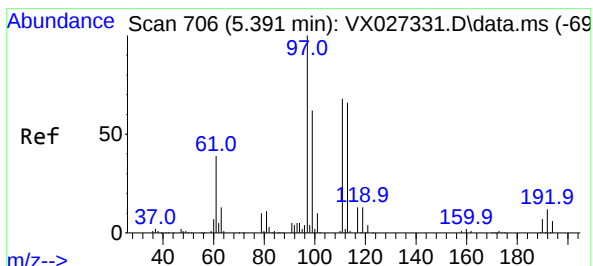
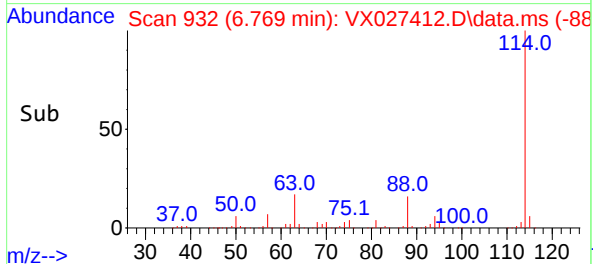
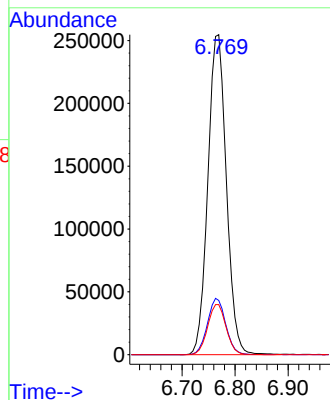
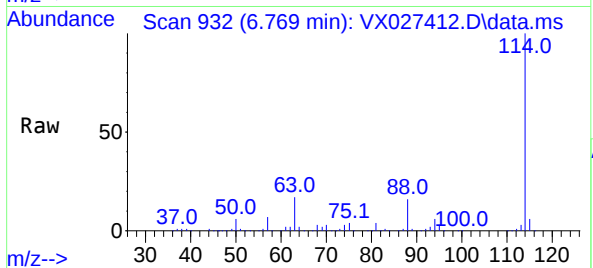




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

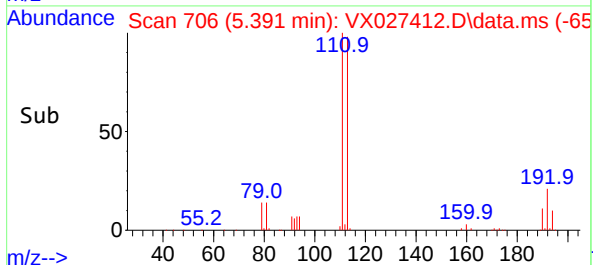
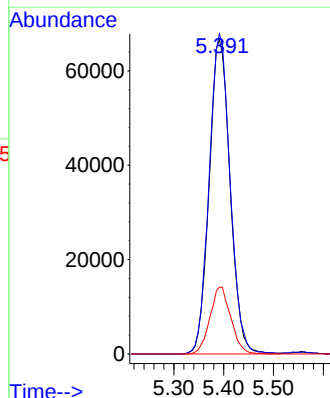
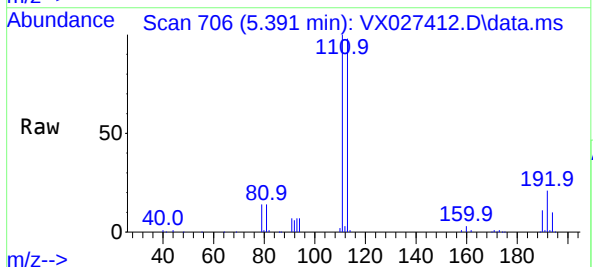
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MSVOA_X
ClientSampleId :
MW-6

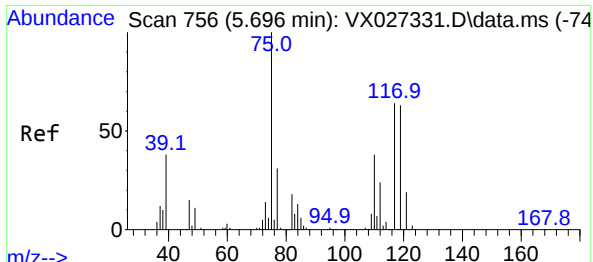
Tgt Ion:114 Resp: 616467
Ion Ratio Lower Upper
114 100
63 17.0 0.0 36.8
88 15.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 48.854 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion:113 Resp: 194334
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 21.2 16.9 25.3

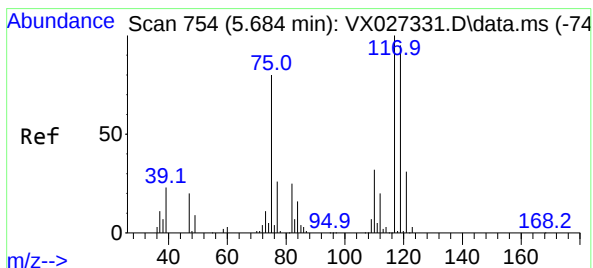
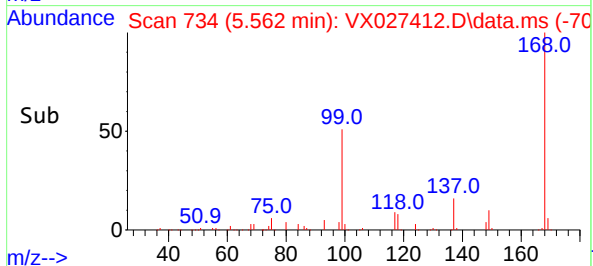
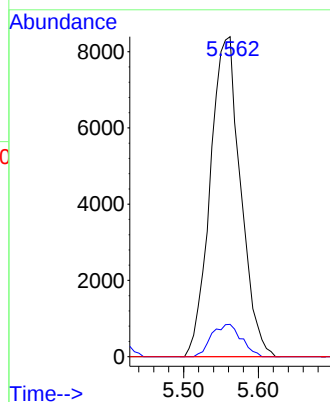
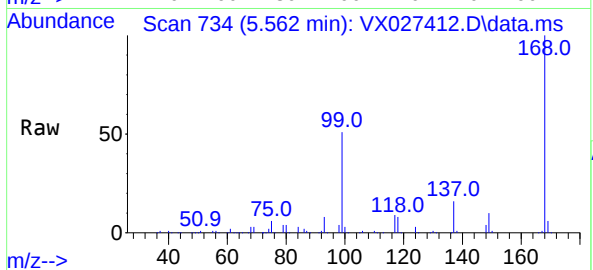




#36
1,1-Dichloropropene
Concen: 4.283 ug/l
RT: 5.562 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

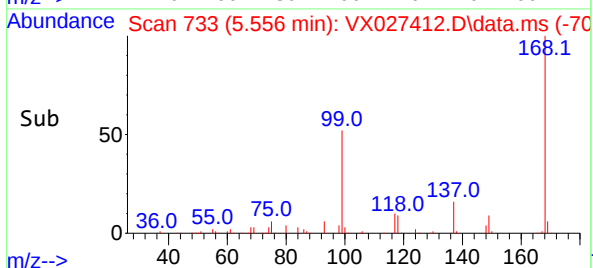
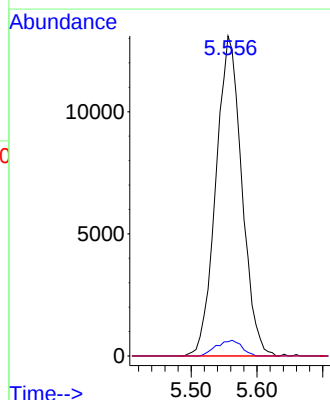
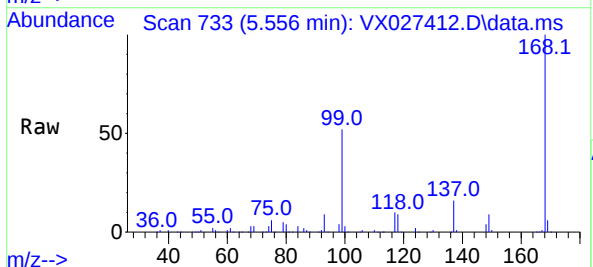
Instrument :
MSVOA_X
ClientSampleId :
MW-6

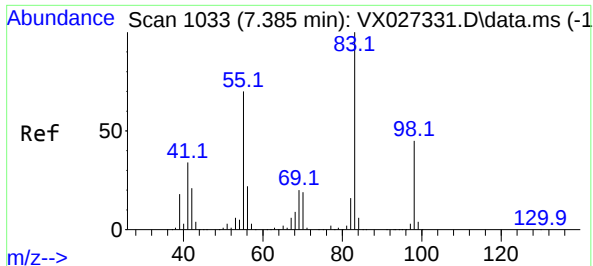
Tgt Ion: 75 Resp: 23656
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.285 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion: 117 Resp: 35892
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.282 ug/l

RT: 7.367 min Scan# 1030

Delta R.T. -0.018 min

Lab File: VX027412.D

Acq: 11 Mar 2022 19:15

Instrument :

MSVOA_X

ClientSampleId :

MW-6

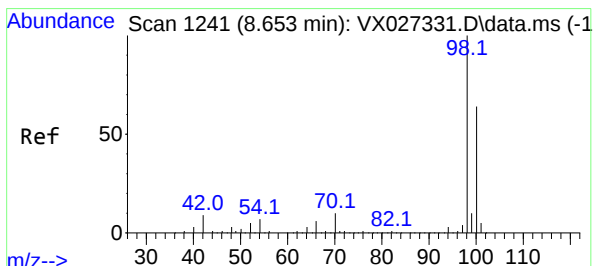
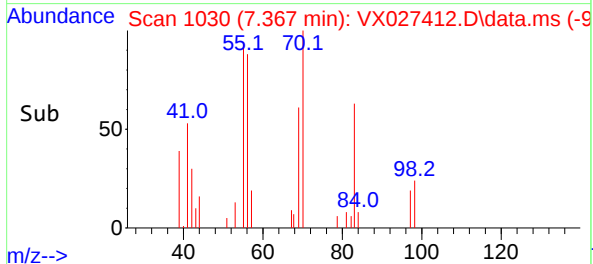
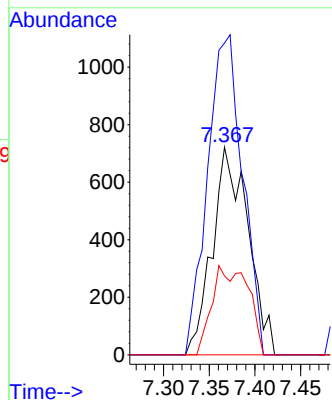
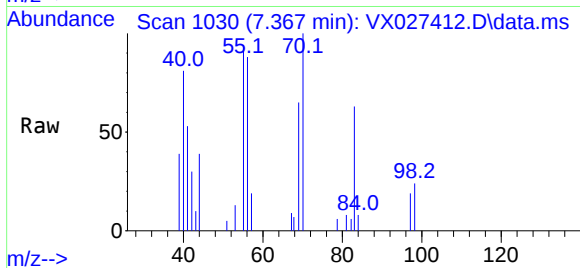
Tgt Ion: 83 Resp: 1967

Ion Ratio Lower Upper

83 100

55 150.1 54.6 81.8#

98 38.0 37.4 56.2



#50

Toluene-d8

Concen: 48.219 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027412.D

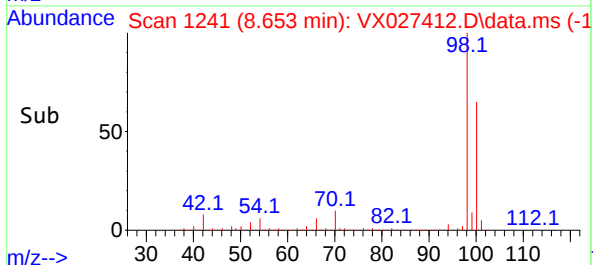
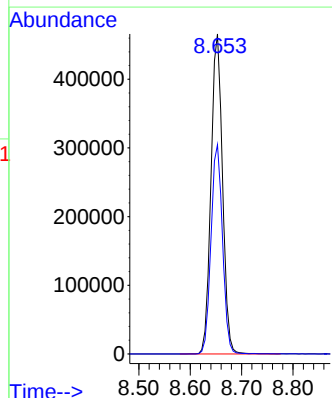
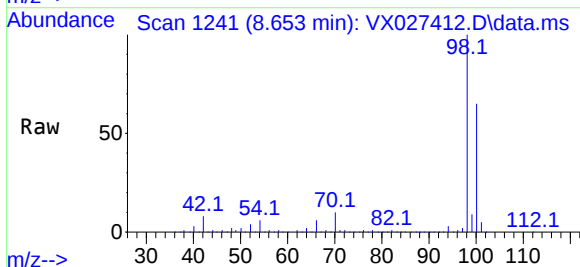
Acq: 11 Mar 2022 19:15

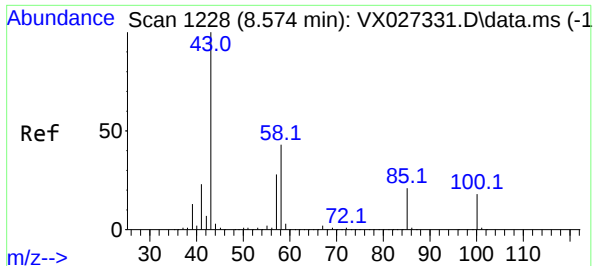
Tgt Ion: 98 Resp: 724121

Ion Ratio Lower Upper

98 100

100 65.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.511 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX027412.D

Acq: 11 Mar 2022 19:15

Instrument :

MSVOA_X

ClientSampleId :

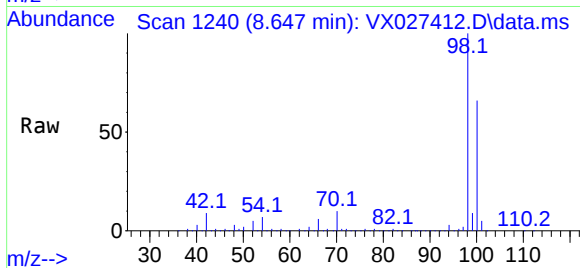
MW-6

Tgt Ion: 43 Resp: 3002

Ion Ratio Lower Upper

43 100

58 166.1 36.1 54.1#



Abundance

3000

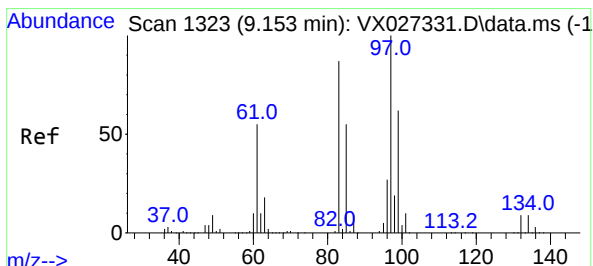
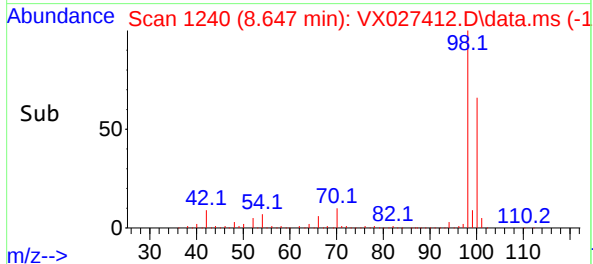
2000

1000

0

8.647

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.687 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.049 min

Lab File: VX027412.D

Acq: 11 Mar 2022 19:15

Tgt Ion: 97 Resp: 3076

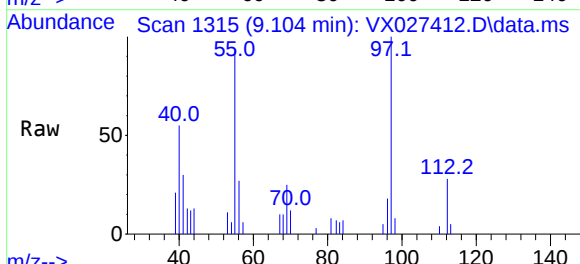
Ion Ratio Lower Upper

97 100

83 6.5 66.2 99.4#

85 0.0 42.9 64.3#

99 0.0 49.0 73.6#



Abundance

1500

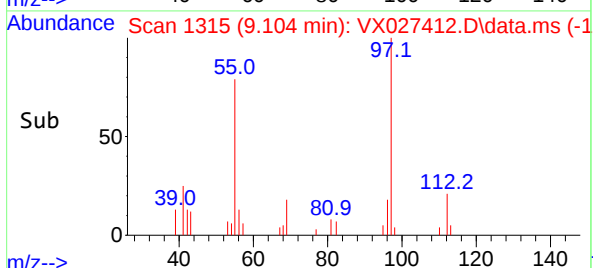
1000

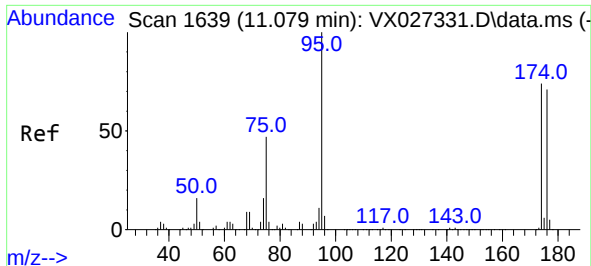
500

0

9.104

Time-->

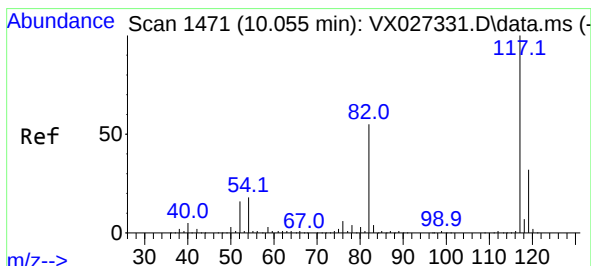
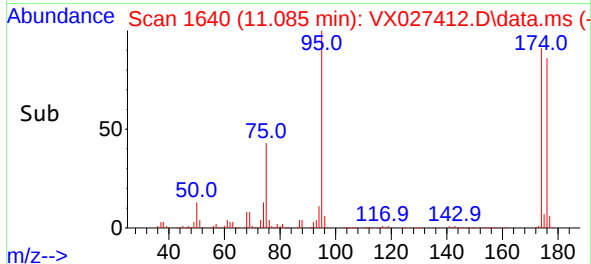
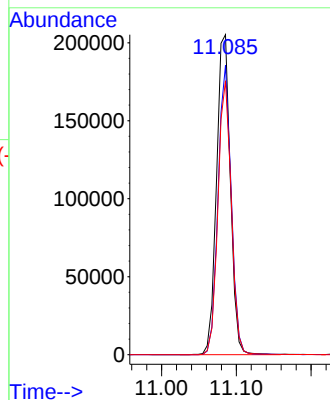
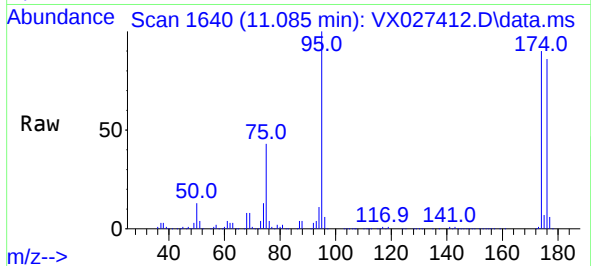




#62
4-Bromofluorobenzene
Concen: 46.155 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

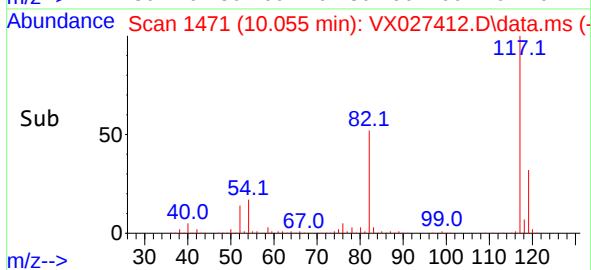
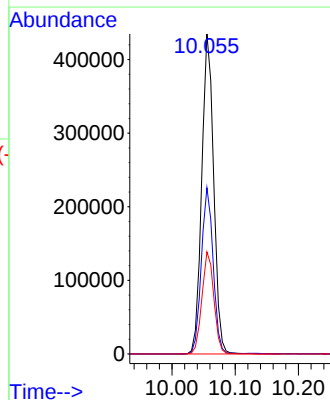
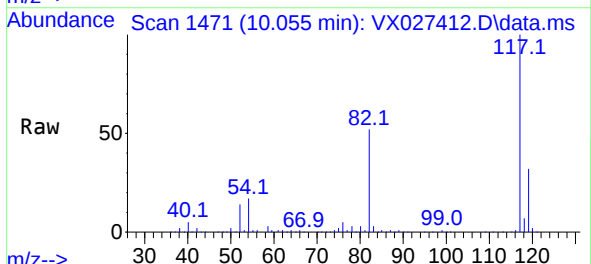
Instrument :
MSVOA_X
ClientSampleId :
MW-6

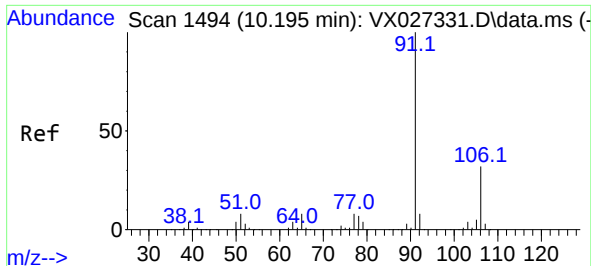
Tgt Ion: 95 Resp: 264174
Ion Ratio Lower Upper
95 100
174 86.1 0.0 163.0
176 82.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion: 117 Resp: 572244
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 31.9 24.8 37.2

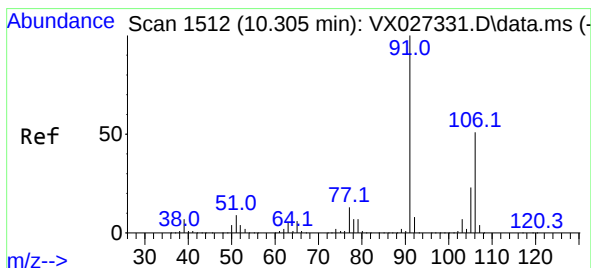
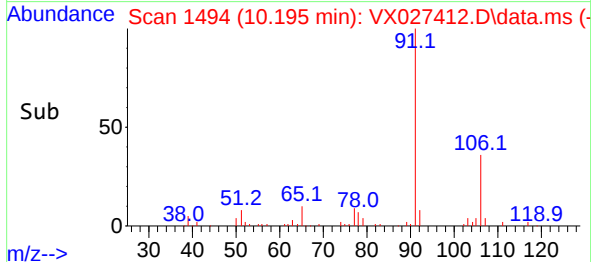
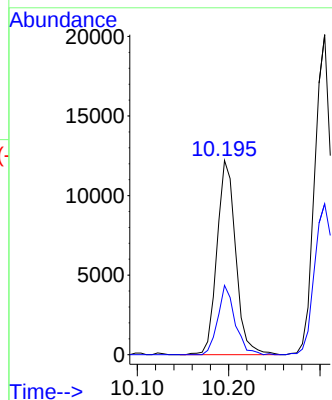
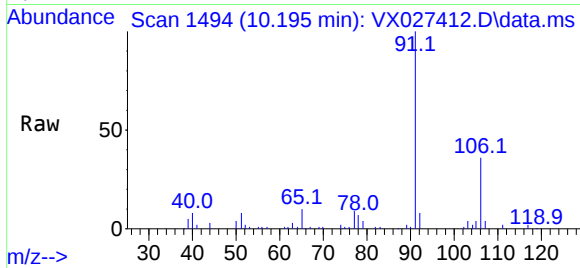




#67
Ethyl Benzene
Concen: 0.837 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

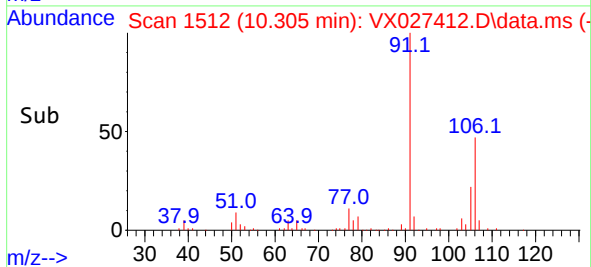
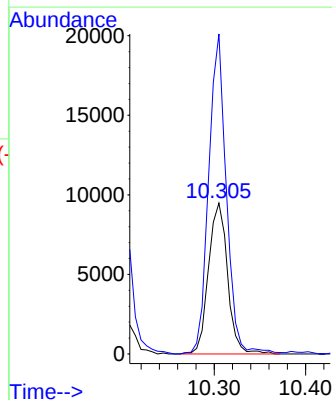
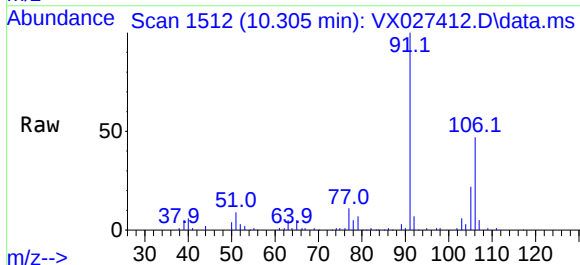
Instrument :
MSVOA_X
ClientSampleId :
MW-6

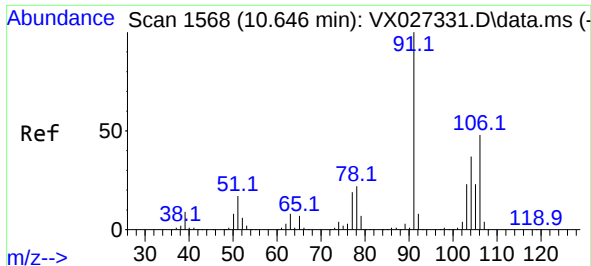
Tgt Ion: 91 Resp: 17386
Ion Ratio Lower Upper
91 100
106 35.6 24.6 36.8



#68
m/p-Xylenes
Concen: 1.685 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion: 106 Resp: 13726
Ion Ratio Lower Upper
106 100
91 196.7 160.4 240.6

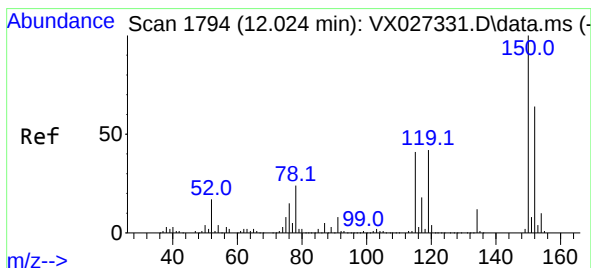
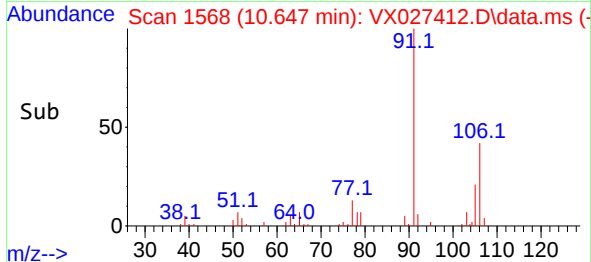
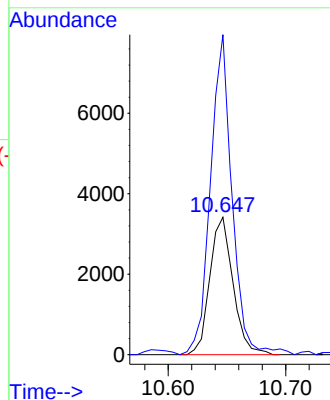
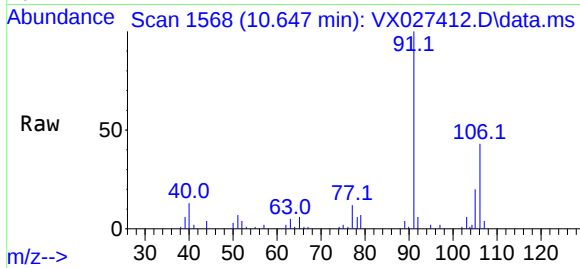




#69
o-Xylene
Concen: 0.584 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

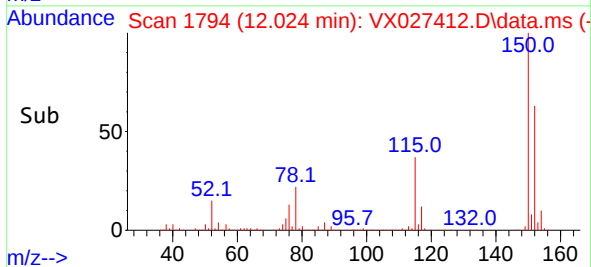
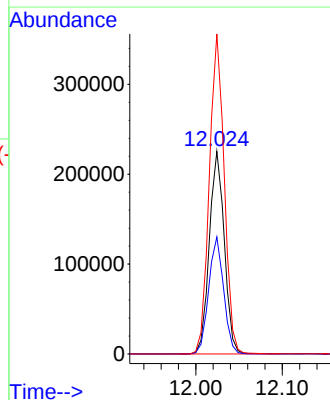
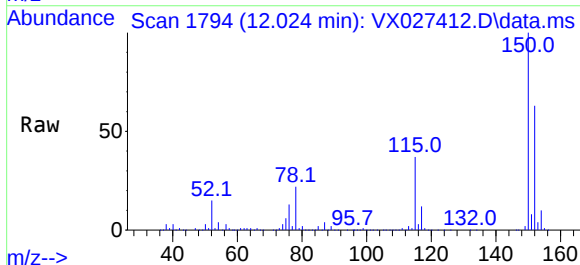
Instrument :
MSVOA_X
ClientSampleId :
MW-6

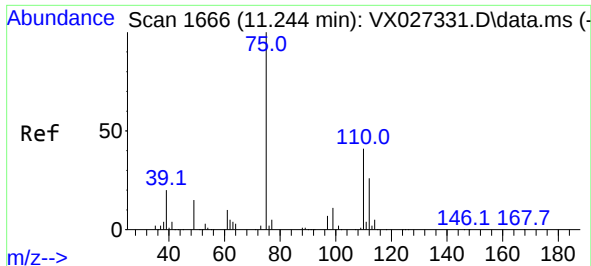
Tgt Ion:106 Resp: 4693
Ion Ratio Lower Upper
106 100
91 215.9 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion:152 Resp: 270968
Ion Ratio Lower Upper
152 100
115 57.7 37.5 112.7
150 157.1 0.0 338.2

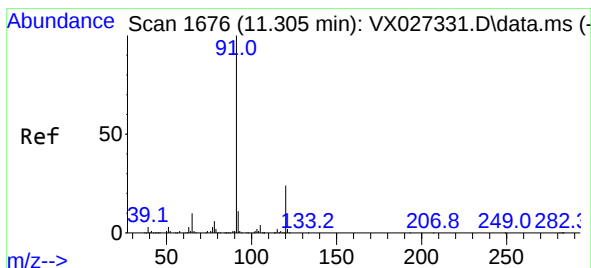
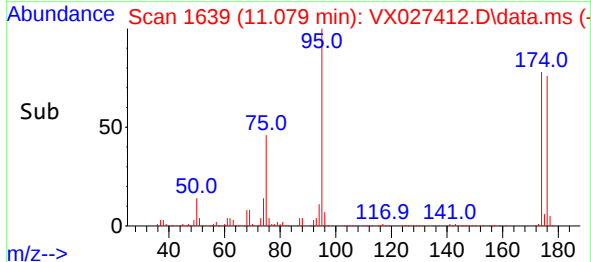
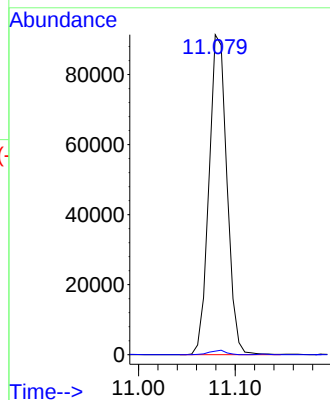
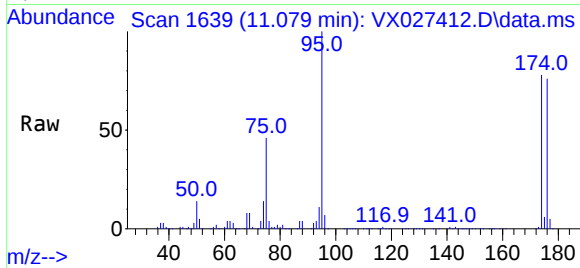




#76
1,2,3-Trichloropropane
Concen: 19.860 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

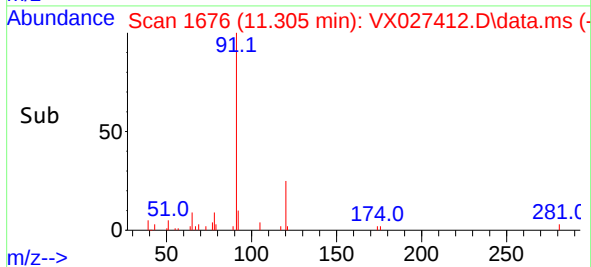
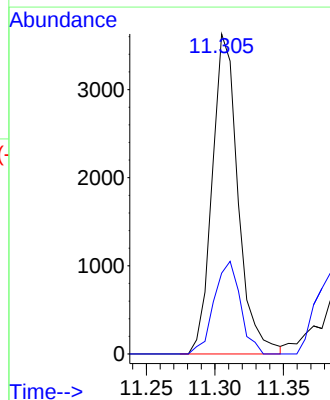
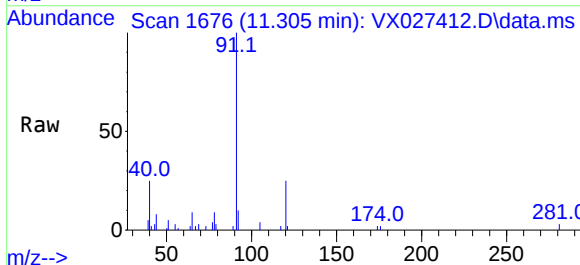
Instrument :
MSVOA_X
ClientSampleId :
MW-6

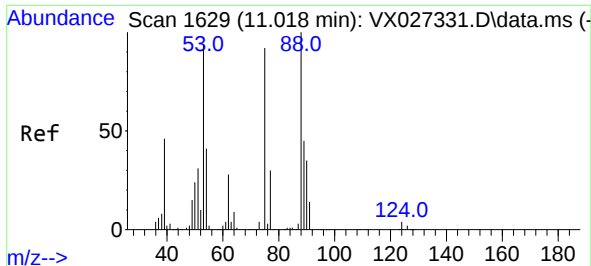
Tgt Ion: 75 Resp: 118067
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#78
n-propylbenzene
Concen: 0.214 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion: 91 Resp: 4767
Ion Ratio Lower Upper
91 100
120 29.4 11.6 34.8

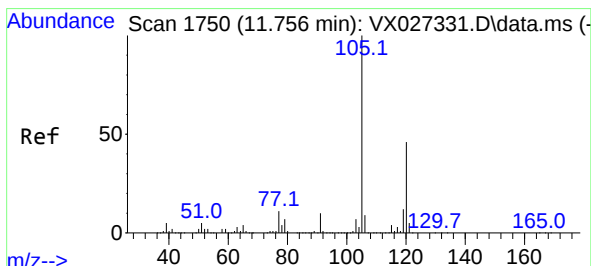
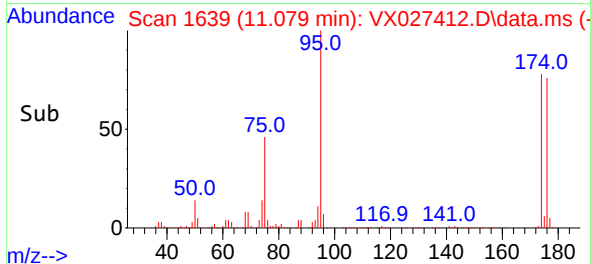
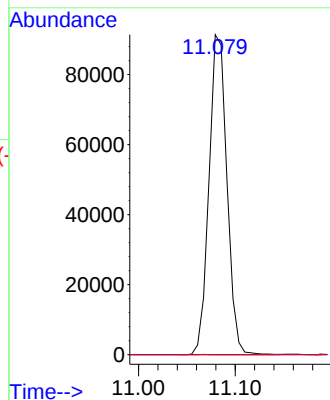
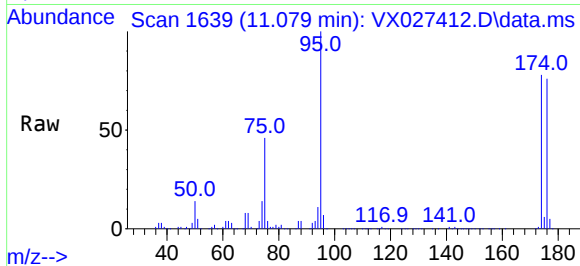




#81
trans-1,4-Dichloro-2-butene
Concen: 64.228 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

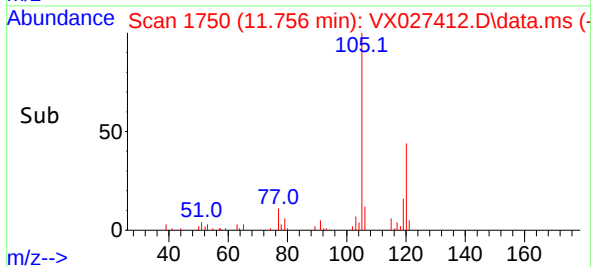
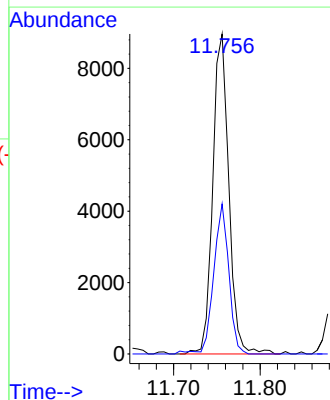
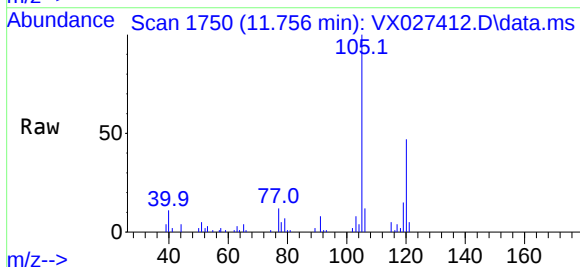
Instrument :
MSVOA_X
ClientSampleId :
MW-6

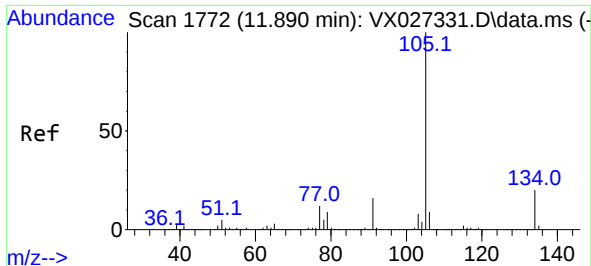
Tgt Ion: 75 Resp: 118067
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.685 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX027412.D
Acq: 11 Mar 2022 19:15

Tgt Ion:105 Resp: 11540
Ion Ratio Lower Upper
105 100
120 44.4 22.6 67.8

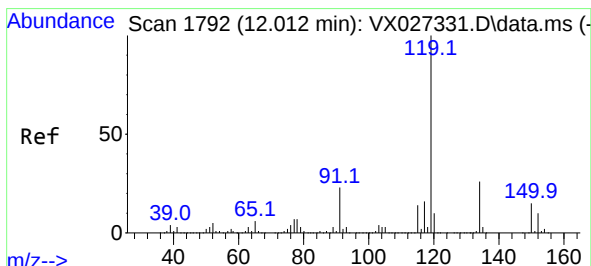
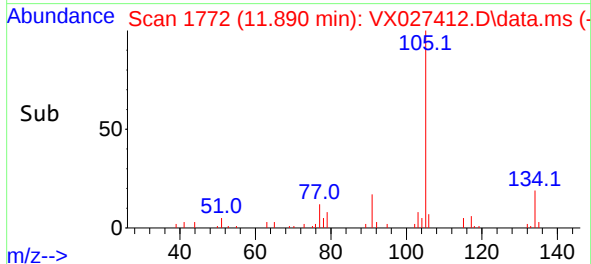
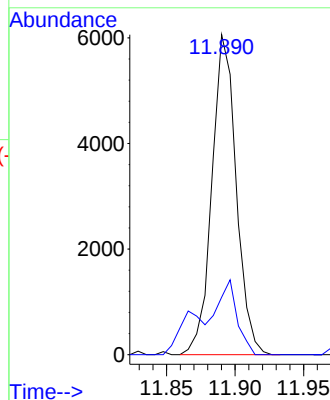
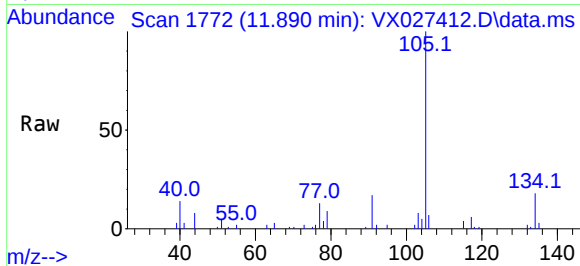




#85
 sec-Butylbenzene
 Concen: 0.365 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX027412.D
 Acq: 11 Mar 2022 19:15

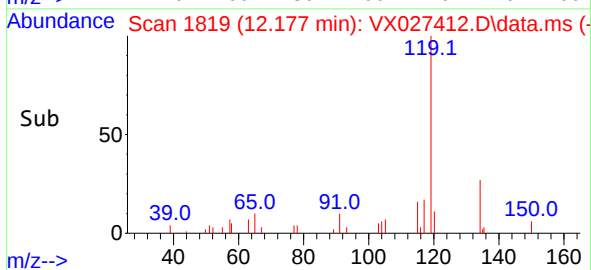
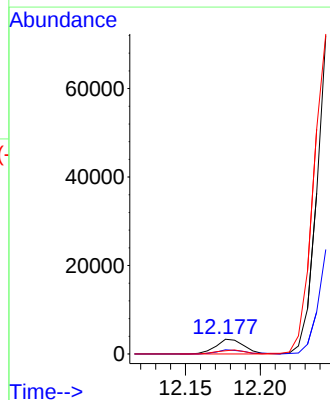
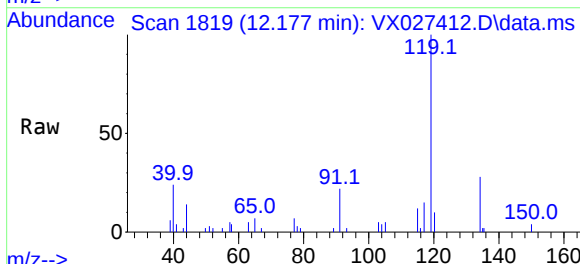
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

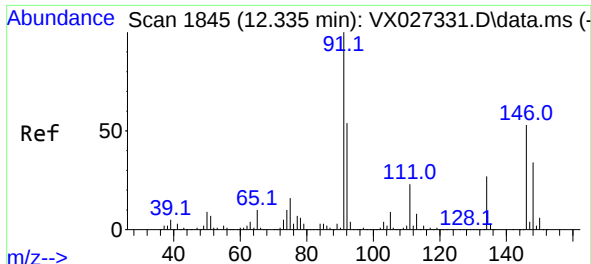
Tgt Ion:105 Resp: 7472
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 0.252 ug/l
 RT: 12.177 min Scan# 1819
 Delta R.T. 0.165 min
 Lab File: VX027412.D
 Acq: 11 Mar 2022 19:15

Tgt Ion:119 Resp: 4363
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.0 39.0
 91 0.0 11.3 33.9#





#89

n-Butylbenzene

Concen: 0.643 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.018 min

Lab File: VX027412.D

Acq: 11 Mar 2022 19:15

Instrument :

MSVOA_X

ClientSampleId :

MW-6

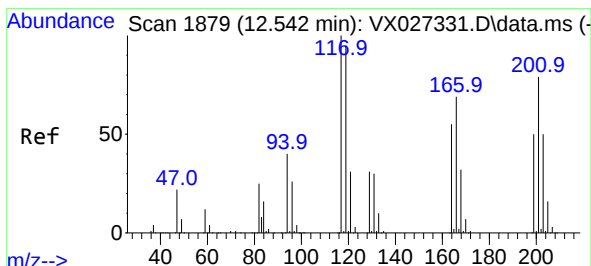
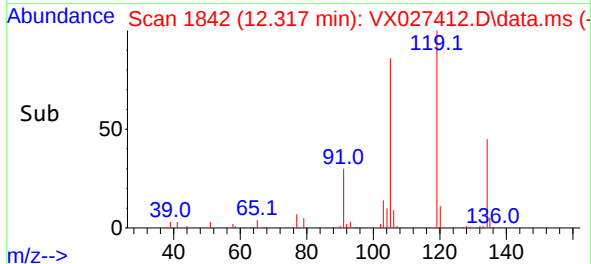
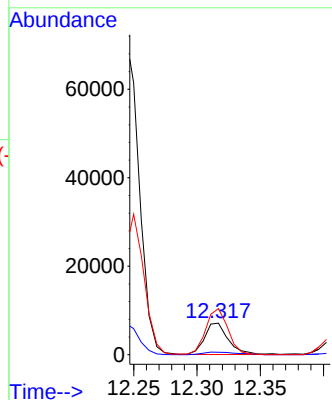
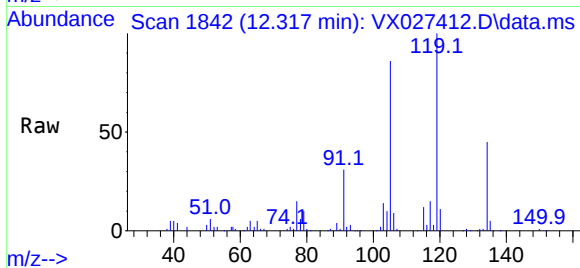
Tgt Ion: 91 Resp: 9337

Ion Ratio Lower Upper

91 100

92 11.7 27.8 83.3#

134 137.4 13.3 39.8#



#90

Hexachloroethane

Concen: 8.676 ug/l

RT: 12.616 min Scan# 1891

Delta R.T. 0.074 min

Lab File: VX027412.D

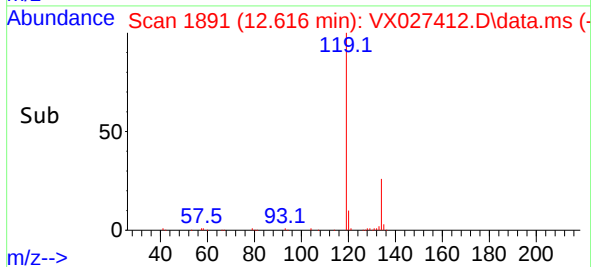
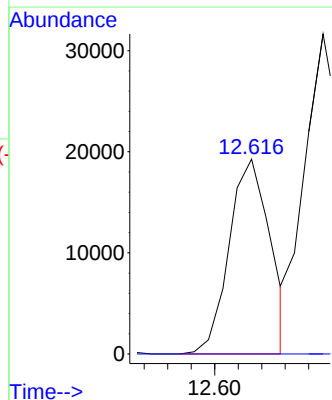
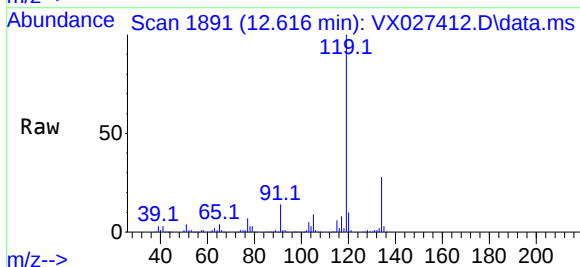
Acq: 11 Mar 2022 19:15

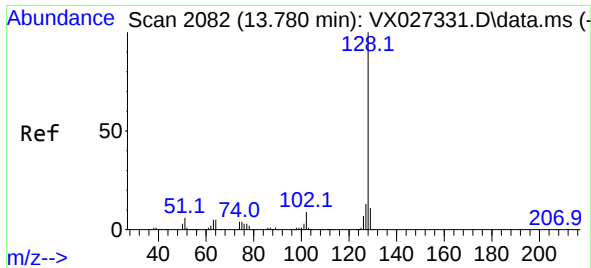
Tgt Ion: 117 Resp: 23450

Ion Ratio Lower Upper

117 100

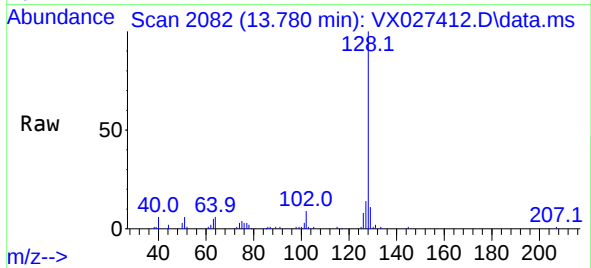
201 0.0 39.5 118.5#





#95
 Naphthalene
 Concen: 1.185 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: VX027412.D
 Acq: 11 Mar 2022 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6



Tgt Ion:128 Resp: 24196
 Ion Ratio Lower Upper
 128 100
 127 14.9 10.2 15.4
 129 17.4 8.7 13.1#

