

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031422\
 Data File : VX027427.D
 Acq On : 14 Mar 2022 17:34
 Operator : JC/MD
 Sample : N1895-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Mar 15 06:05:16 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	317670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	512551	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	484155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	230223	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	204276	55.142	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 110.280%	
35) Dibromofluoromethane	5.391	113	171430	51.834	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.660%	
50) Toluene-d8	8.653	98	619531	49.618	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.240%	
62) 4-Bromofluorobenzene	11.079	95	231518	48.651	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.300%	

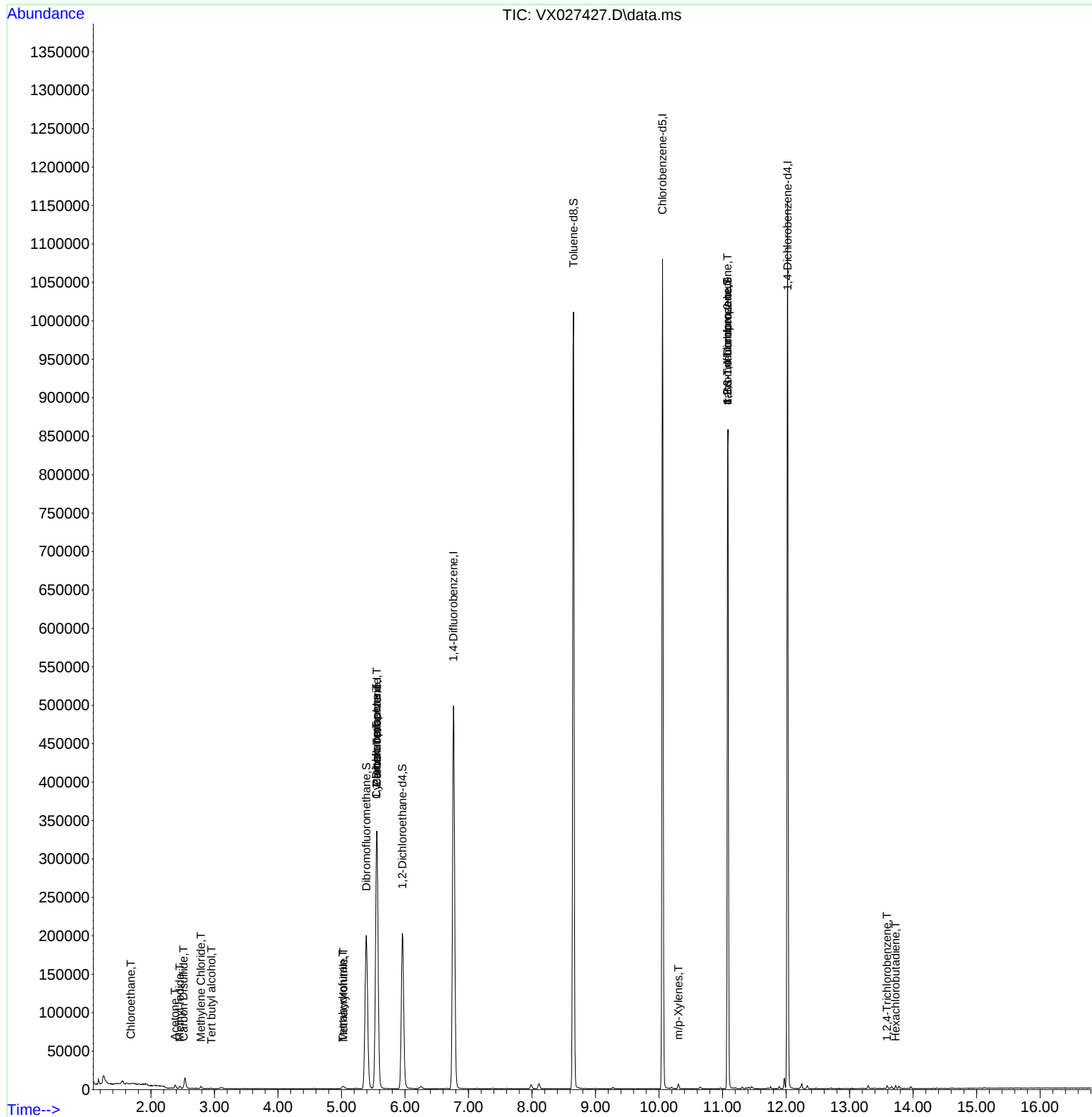
Target Compounds			Qvalue			
5) Bromomethane	1.618	94	1017	Below Cal	#	71
6) Chloroethane	1.685	64	358	0.612	ug/l #	51
10) Methyl Iodide	2.453	142	3129	0.692	ug/l	96
11) Tert butyl alcohol	2.953	59	332	0.457	ug/l #	72
16) Acetone	2.380	43	5069	0.649	ug/l #	84
17) Carbon Disulfide	2.514	76	1922	0.230	ug/l	96
20) Methylene Chloride	2.788	84	980	0.271	ug/l #	92
29) Tetrahydrofuran	5.019	42	2991	1.771	ug/l #	83
31) Cyclohexane	5.550	56	6375	1.230	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	23569	5.133	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32649	6.876	ug/l #	14
41) Methacrylonitrile	5.032	41	2149	0.823	ug/l #	36
68) m/p-Xylenes	10.305	106	1555	0.226	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	118266	23.414	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	118266	75.722	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.591	180	1107	0.214	ug/l #	85
94) Hexachlorobutadiene	13.725	225	681	0.301	ug/l	91

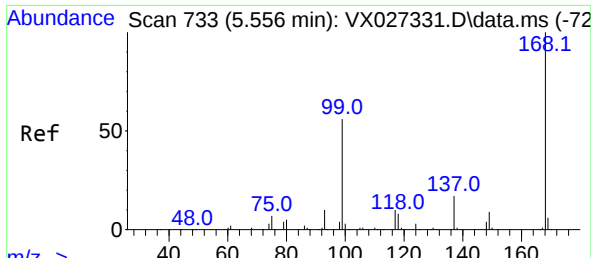
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-2

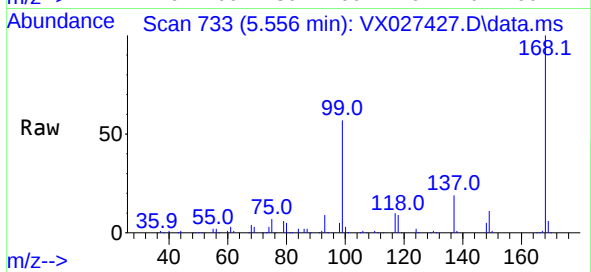
Quant Time: Mar 15 06:05:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 15:54:34 2022
Response via : Initial Calibration



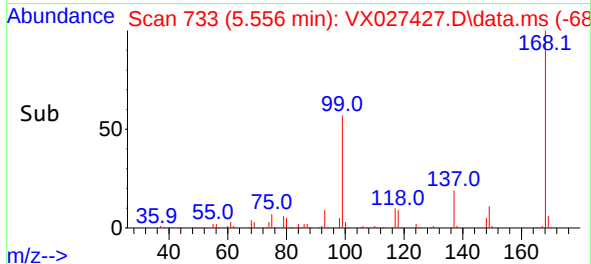
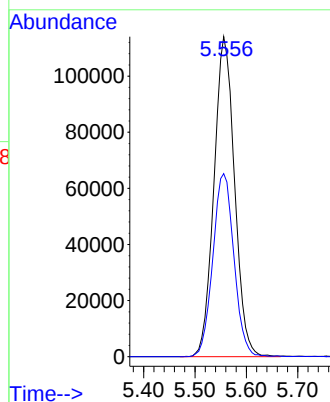


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

Instrument :
MSVOA_X
ClientSampleId :
MW-2

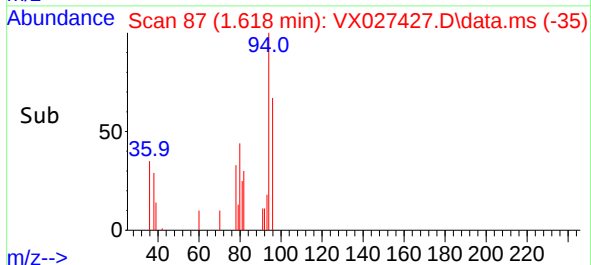
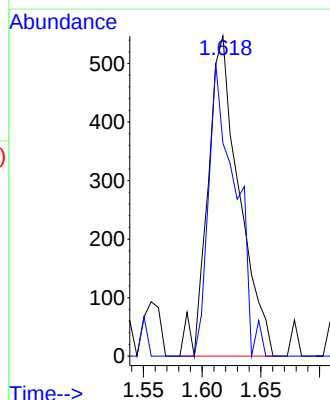
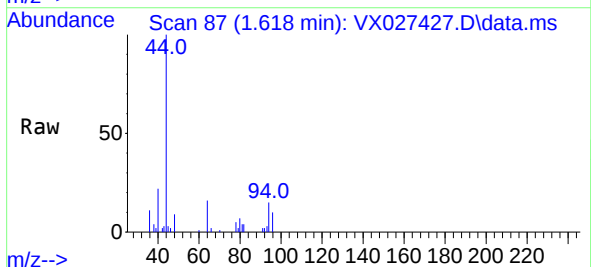


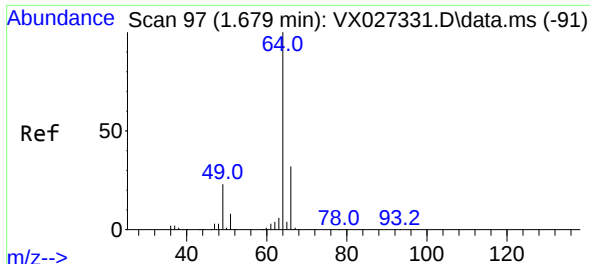
Tgt Ion:168 Resp: 317670
Ion Ratio Lower Upper
168 100
99 57.2 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

Tgt Ion: 94 Resp: 1017
Ion Ratio Lower Upper
94 100
96 66.5 75.3 112.9

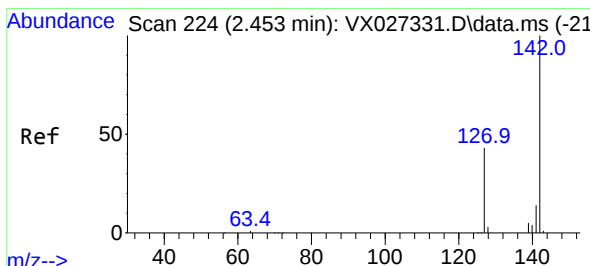
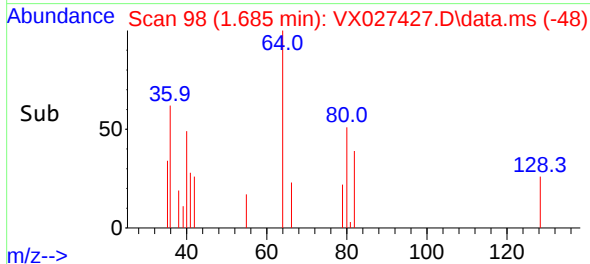
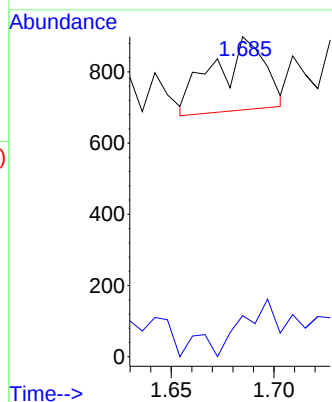
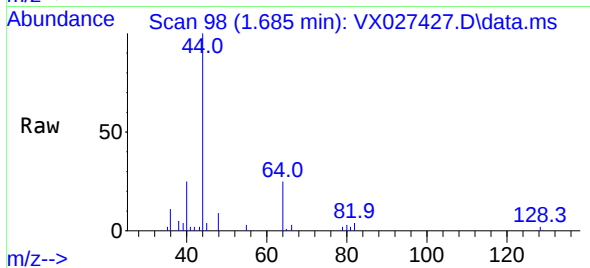




#6
Chloroethane
Concen: 0.612 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

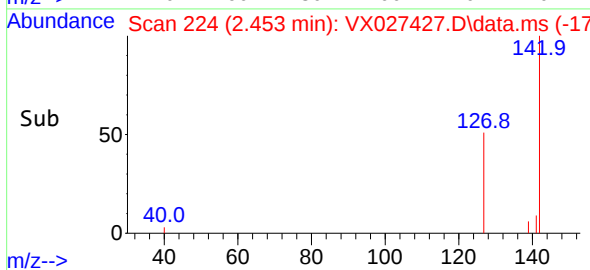
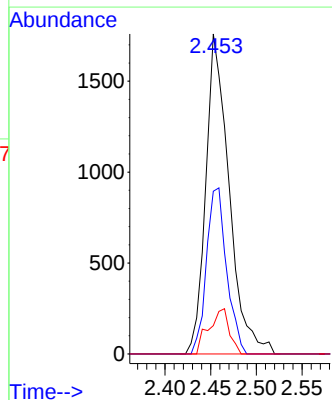
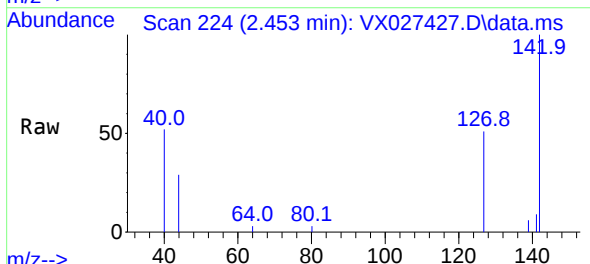
Instrument :
MSVOA_X
ClientSampleId :
MW-2

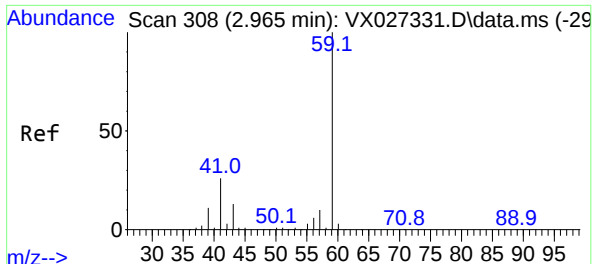
Tgt Ion: 64 Resp: 358
Ion Ratio Lower Upper
64 100
66 58.7 25.3 37.9#



#10
Methyl Iodide
Concen: 0.692 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

Tgt Ion: 142 Resp: 3129
Ion Ratio Lower Upper
142 100
127 44.8 33.9 50.9
141 12.4 11.4 17.2





#11

Tert butyl alcohol

Concen: 0.457 ug/l

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX027427.D

Acq: 14 Mar 2022 17:34

Instrument :

MSVOA_X

ClientSampleId :

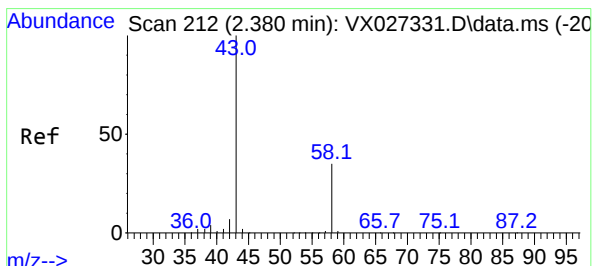
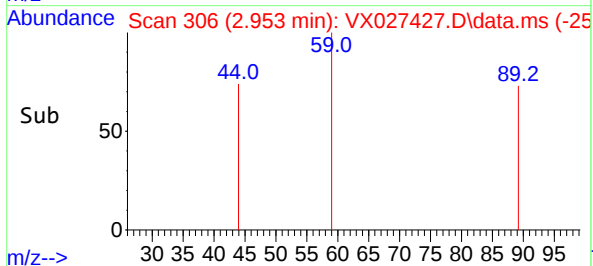
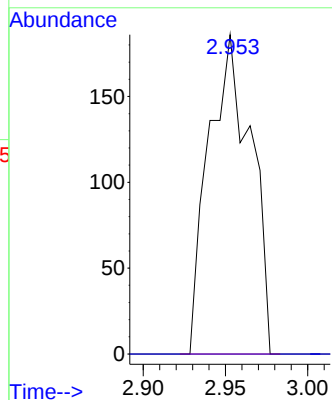
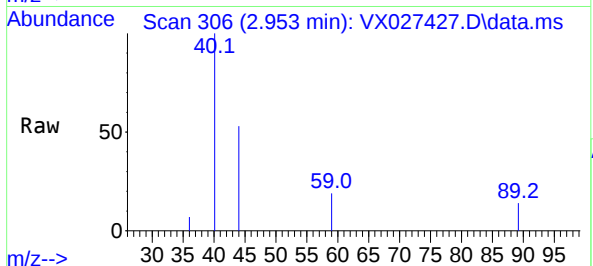
MW-2

Tgt Ion: 59 Resp: 332

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 0.649 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX027427.D

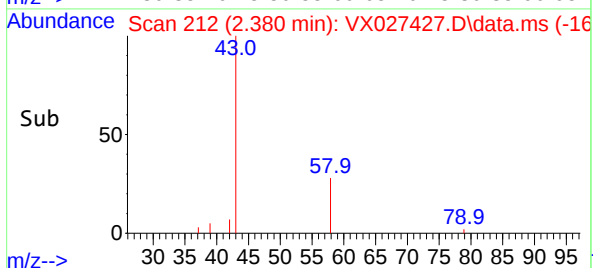
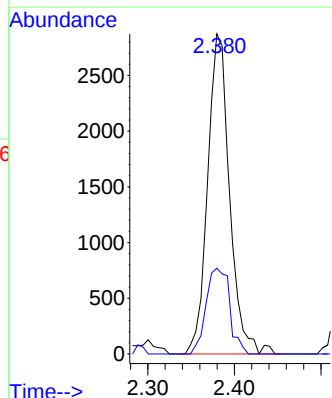
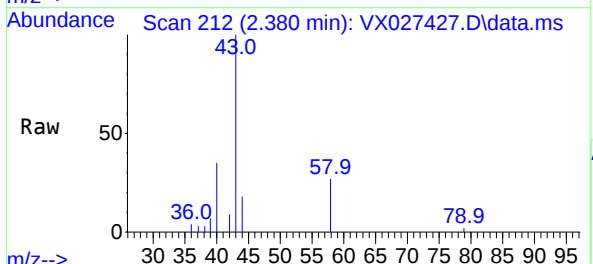
Acq: 14 Mar 2022 17:34

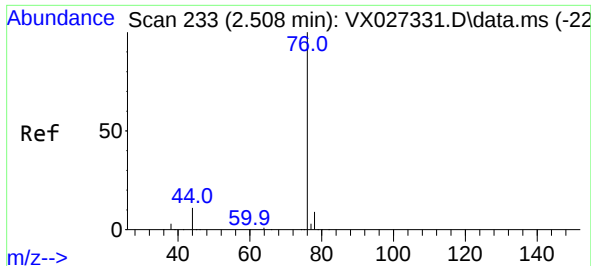
Tgt Ion: 43 Resp: 5069

Ion Ratio Lower Upper

43 100

58 26.8 28.8 43.2#





#17

Carbon Disulfide

Concen: 0.230 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX027427.D

Acq: 14 Mar 2022 17:34

Instrument :

MSVOA_X

ClientSampleId :

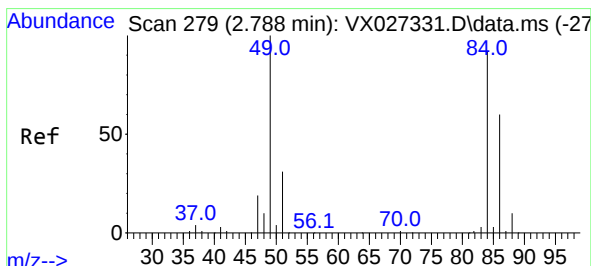
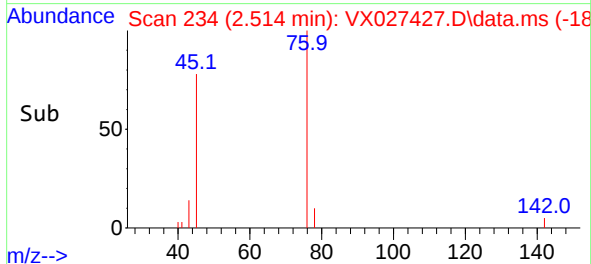
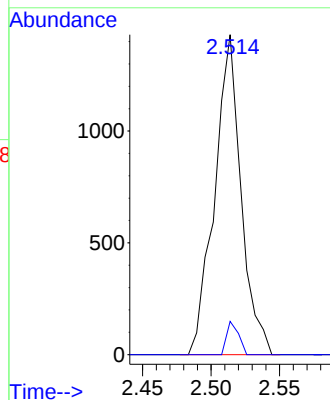
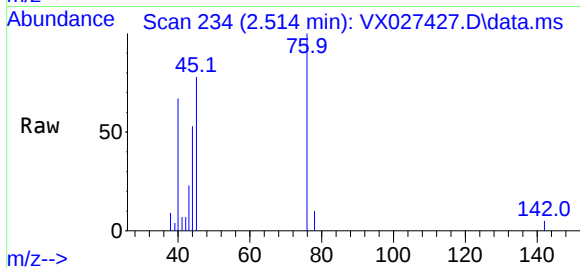
MW-2

Tgt Ion: 76 Resp: 1922

Ion Ratio Lower Upper

76 100

78 10.4 7.2 10.8



#20

Methylene Chloride

Concen: 0.271 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX027427.D

Acq: 14 Mar 2022 17:34

Tgt Ion: 84 Resp: 980

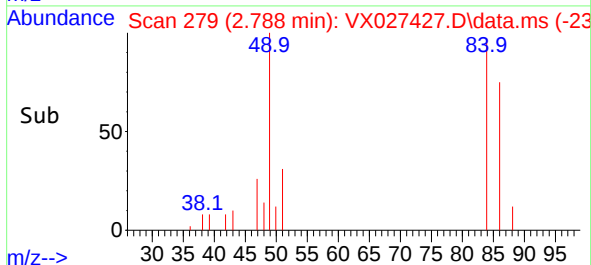
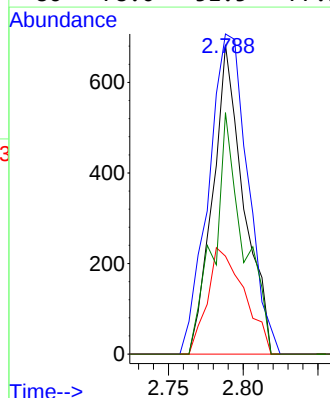
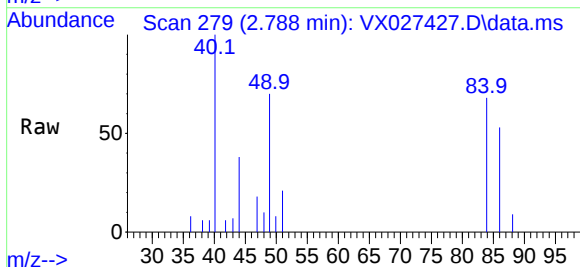
Ion Ratio Lower Upper

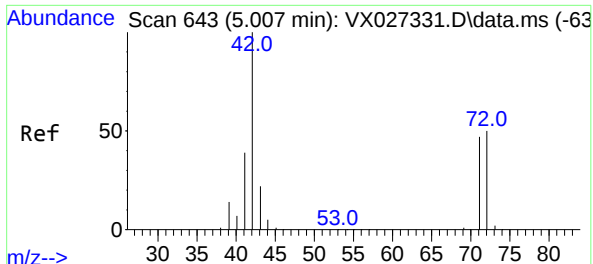
84 100

49 103.5 85.5 128.3

51 31.6 26.6 39.8

86 78.0 51.5 77.3#





#29

Tetrahydrofuran

Concen: 1.771 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX027427.D

Acq: 14 Mar 2022 17:34

Instrument :

MSVOA_X

ClientSampleId :

MW-2

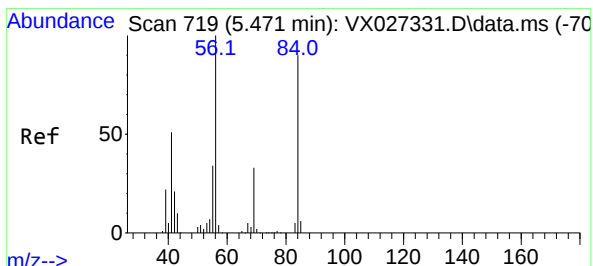
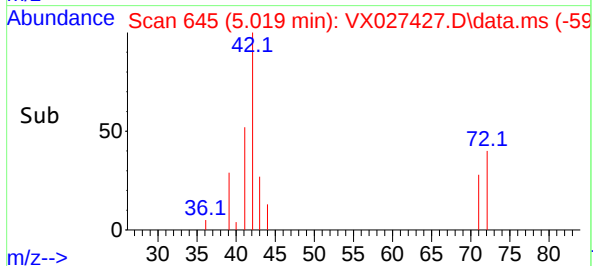
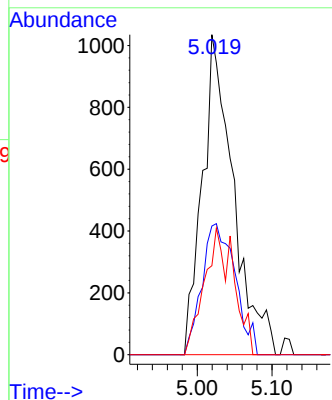
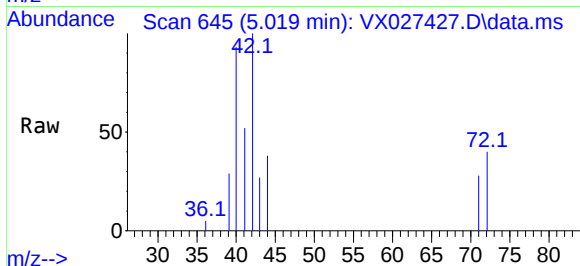
Tgt Ion: 42 Resp: 2991

Ion Ratio Lower Upper

42 100

72 43.6 44.1 66.1#

71 37.4 40.5 60.7#



#31

Cyclohexane

Concen: 1.230 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX027427.D

Acq: 14 Mar 2022 17:34

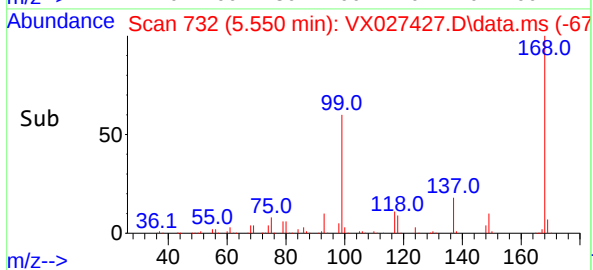
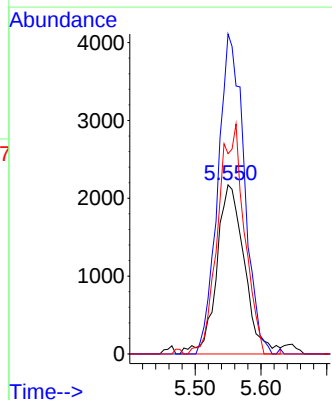
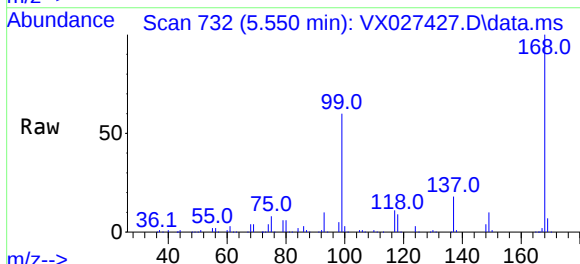
Tgt Ion: 56 Resp: 6375

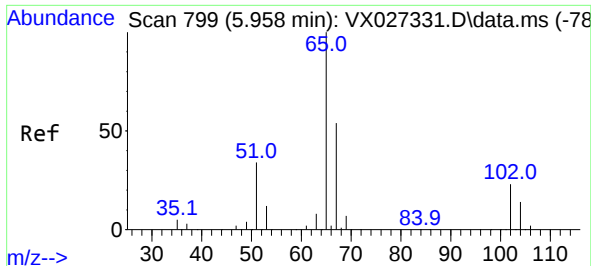
Ion Ratio Lower Upper

56 100

69 189.2 26.7 40.1#

84 118.5 77.2 115.8#

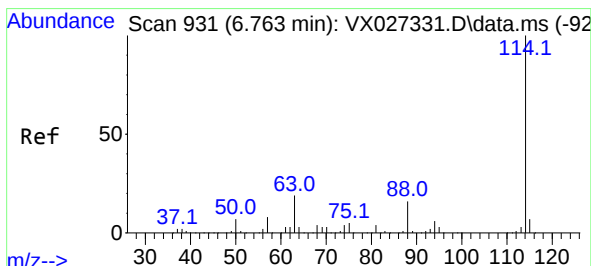
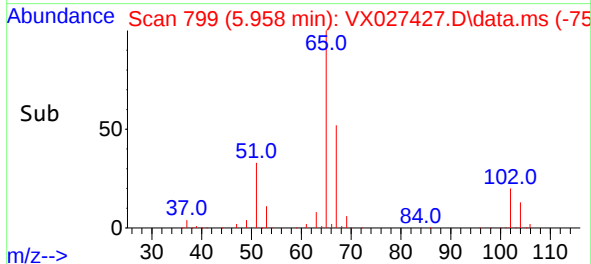
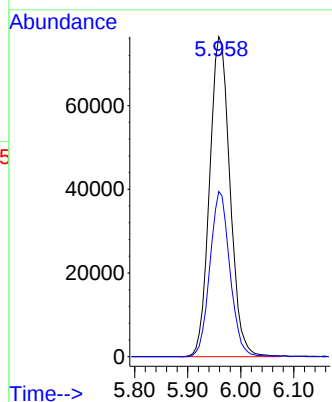
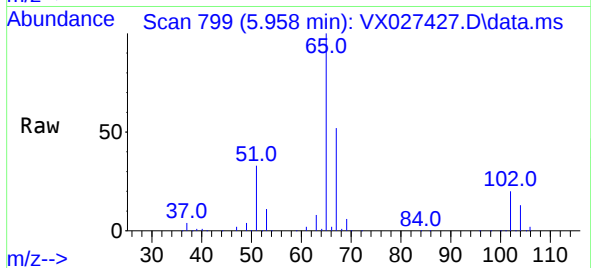




#33
1,2-Dichloroethane-d4
Concen: 55.142 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

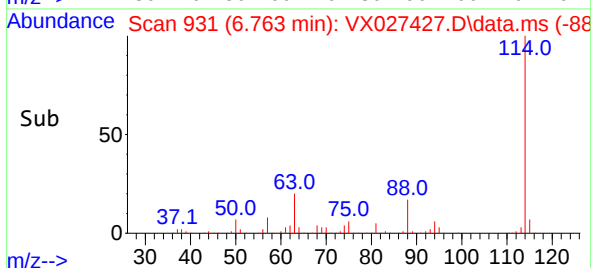
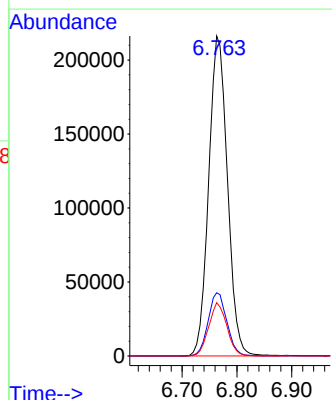
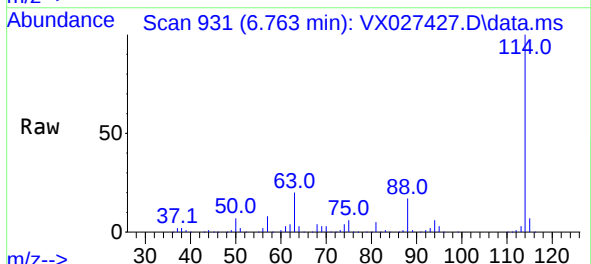
Instrument :
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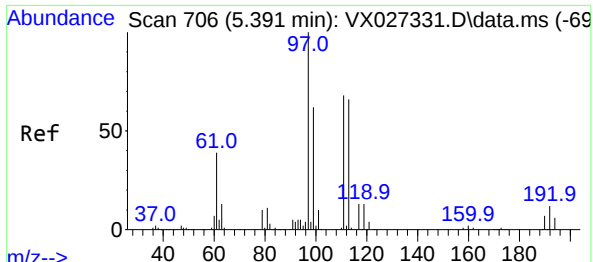
Tgt Ion: 65 Resp: 204276
Ion Ratio Lower Upper
65 100
67 50.7 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

Tgt Ion: 114 Resp: 512551
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.8
88 16.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.834 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027427.D

Acq: 14 Mar 2022 17:34

Instrument :

MSVOA_X

ClientSampleId :

MW-2

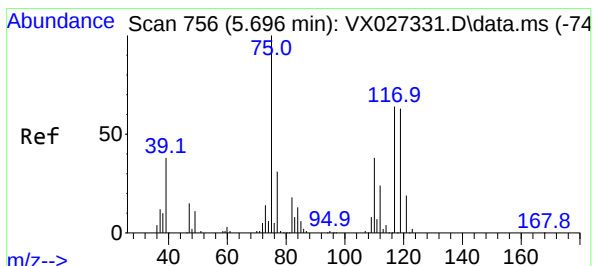
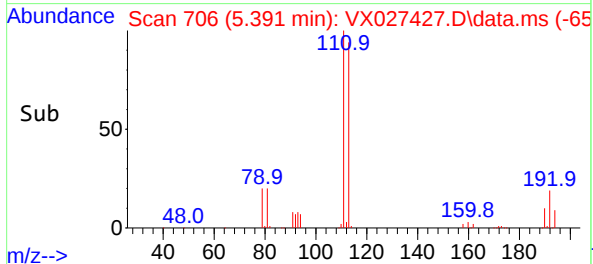
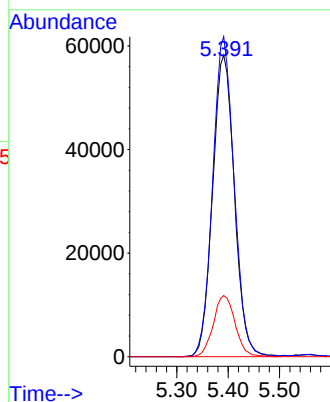
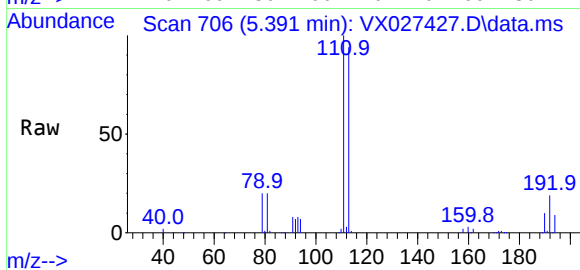
Tgt Ion:113 Resp: 171430

Ion Ratio Lower Upper

113 100

111 104.4 82.8 124.2

192 20.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.133 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX027427.D

Acq: 14 Mar 2022 17:34

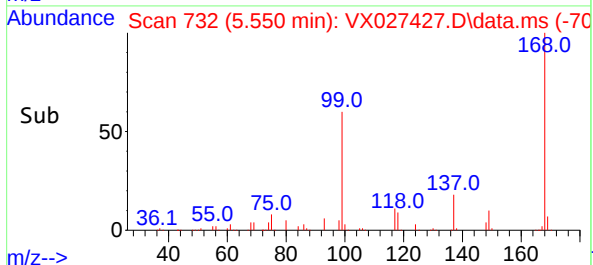
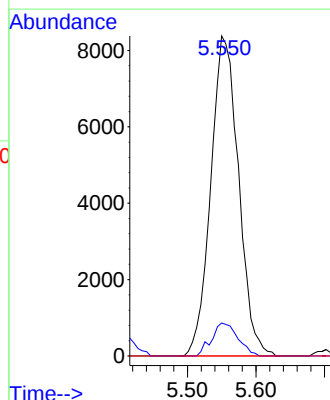
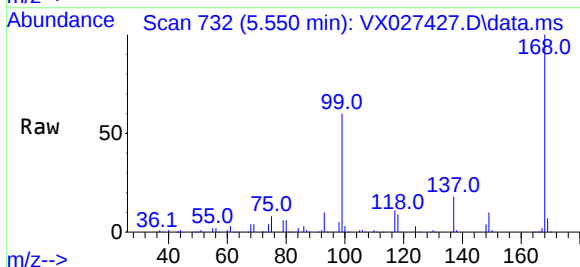
Tgt Ion: 75 Resp: 23569

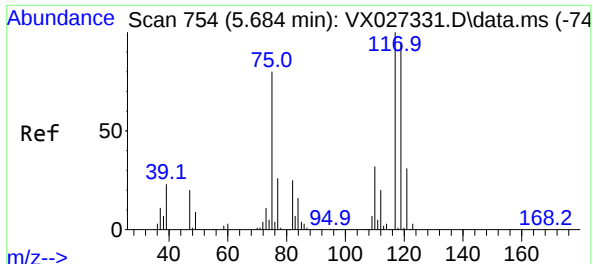
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 24.8 37.2#

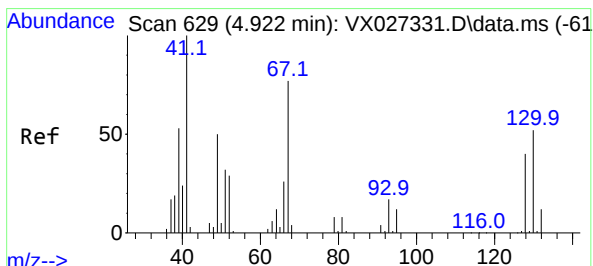
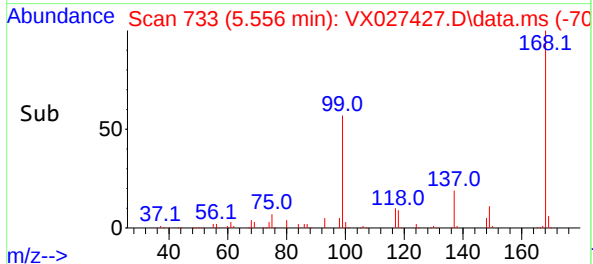
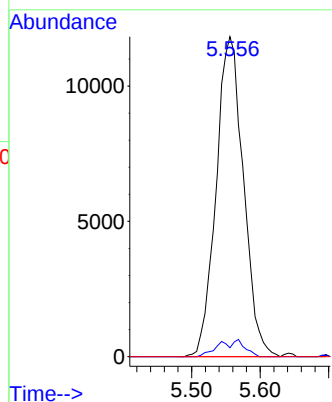
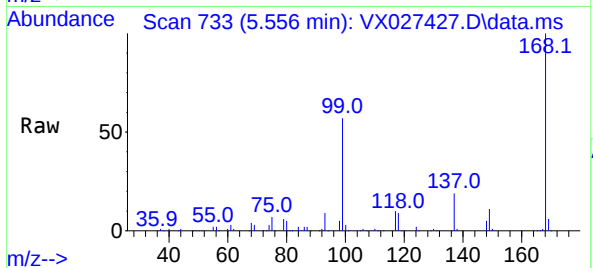




#38
Carbon Tetrachloride
Concen: 6.876 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

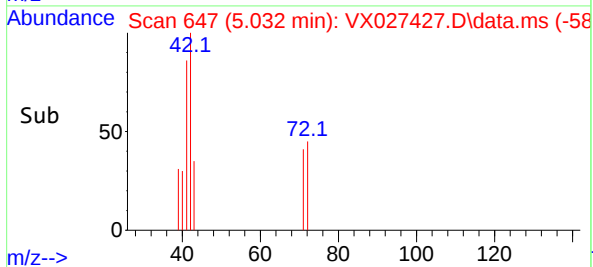
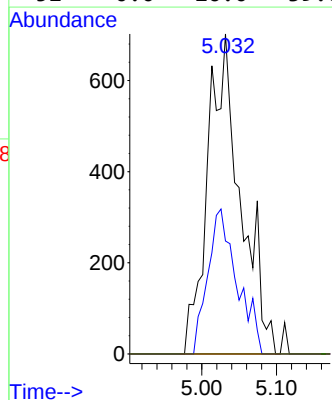
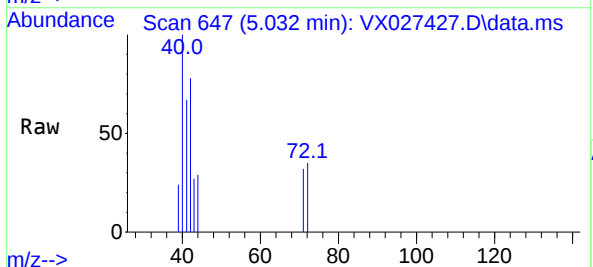
Instrument :
MSVOA_X
ClientSampleId :
MW-2

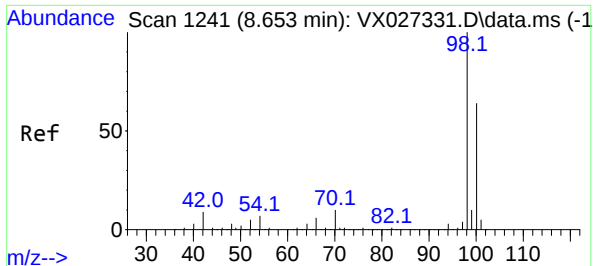
Tgt Ion:117 Resp: 32649
Ion Ratio Lower Upper
117 100
119 2.8 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.823 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

Tgt Ion: 41 Resp: 2149
Ion Ratio Lower Upper
41 100
39 40.4 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

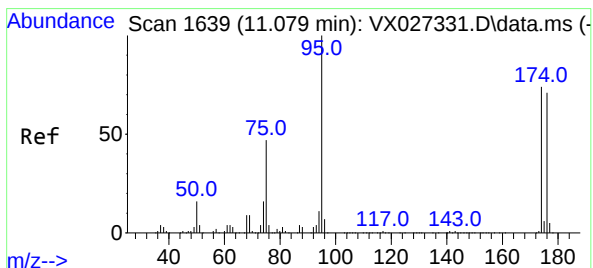
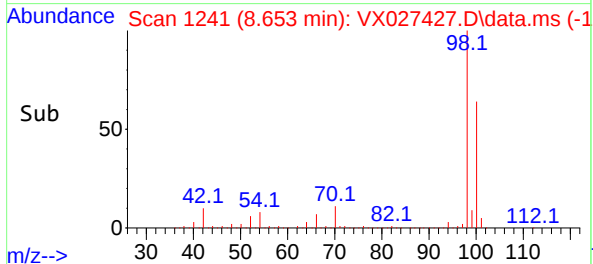
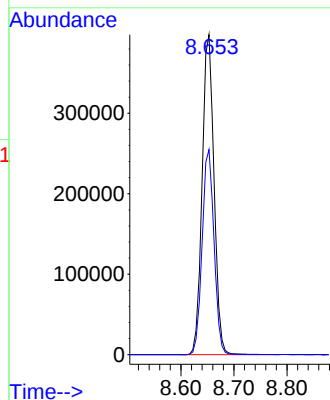
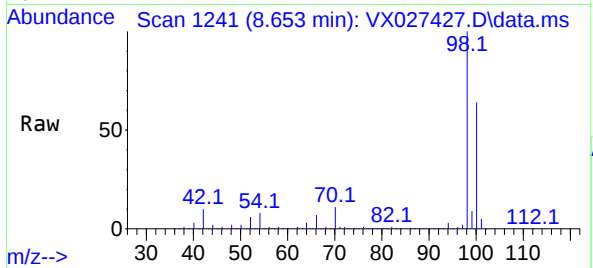




#50
Toluene-d8
Concen: 49.618 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

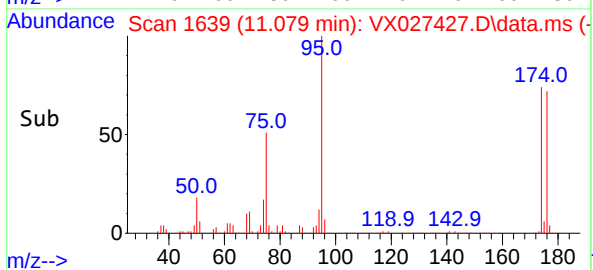
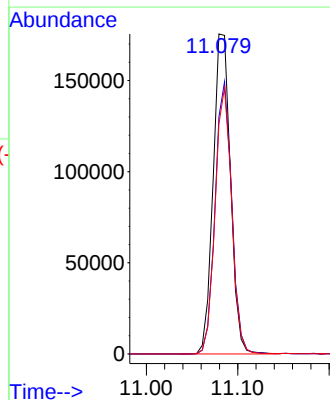
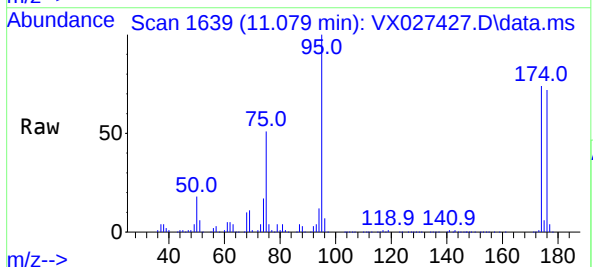
Instrument :
MSVOA_X
ClientSampleId :
MW-2

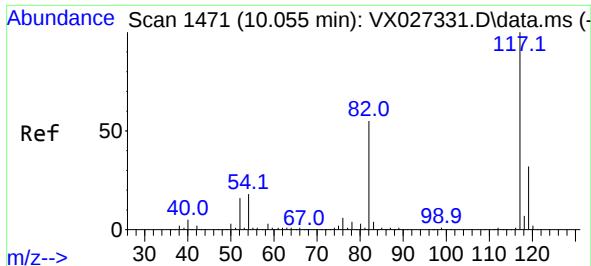
Tgt Ion: 98 Resp: 619531
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 48.651 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

Tgt Ion: 95 Resp: 231518
Ion Ratio Lower Upper
95 100
174 81.4 0.0 163.0
176 79.5 0.0 155.0

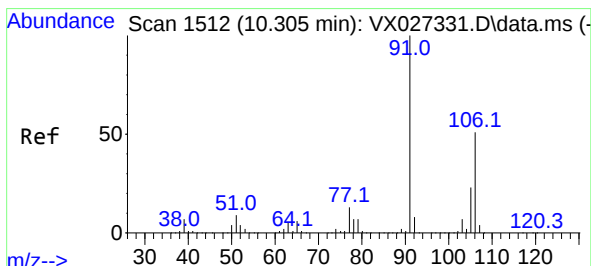
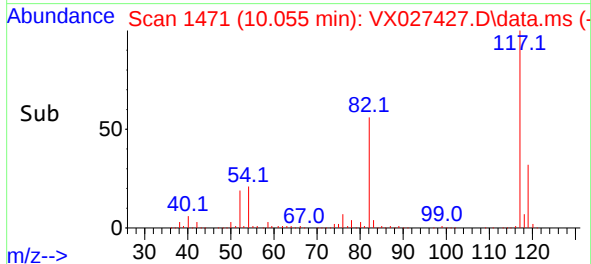
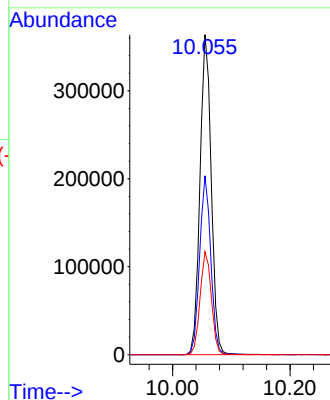
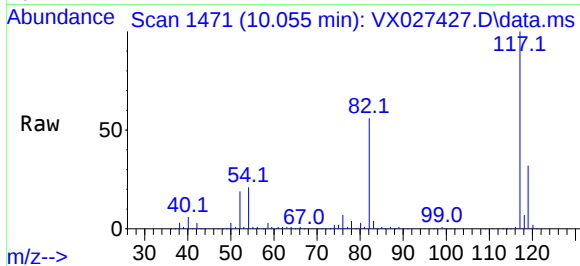




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

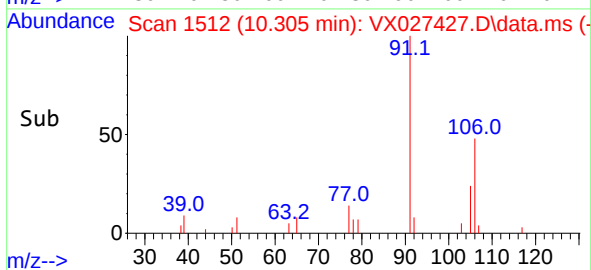
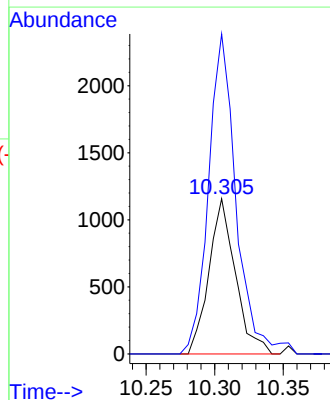
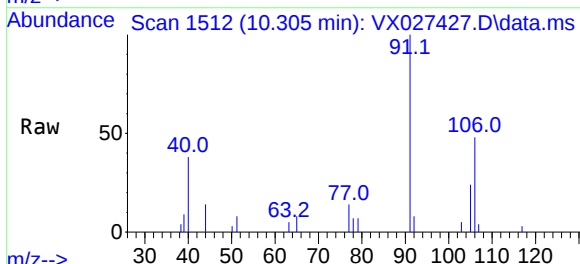
Instrument :
MSVOA_X
ClientSampleId :
MW-2

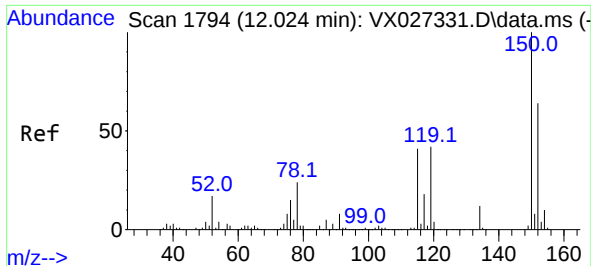
Tgt Ion:117 Resp: 484155
Ion Ratio Lower Upper
117 100
82 55.9 41.8 62.8
119 32.2 24.8 37.2



#68
m/p-Xylenes
Concen: 0.226 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

Tgt Ion:106 Resp: 1555
Ion Ratio Lower Upper
106 100
91 214.4 160.4 240.6

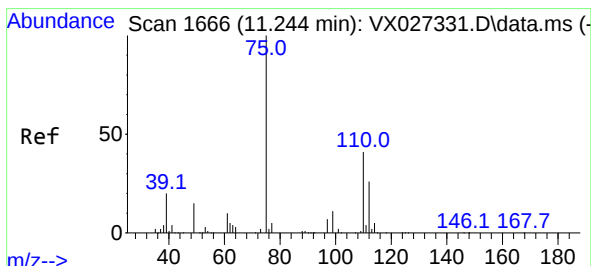
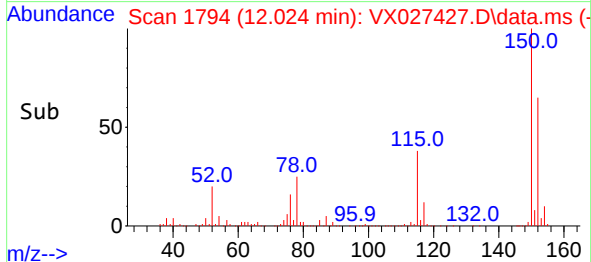
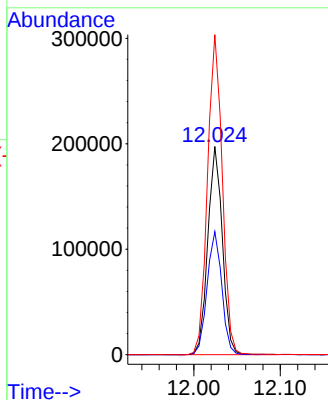
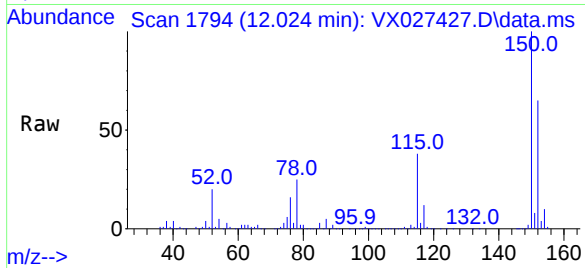




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

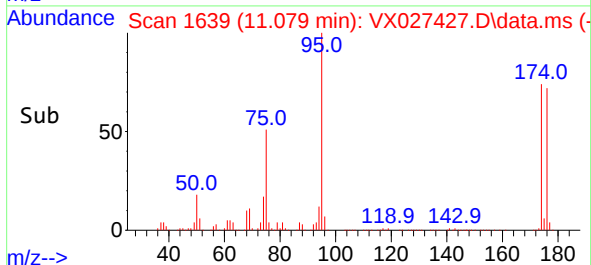
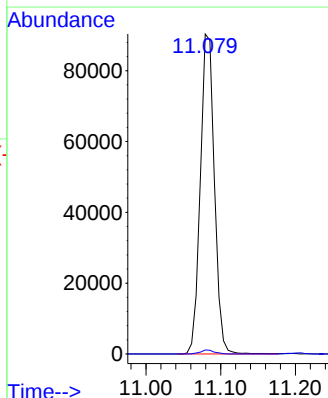
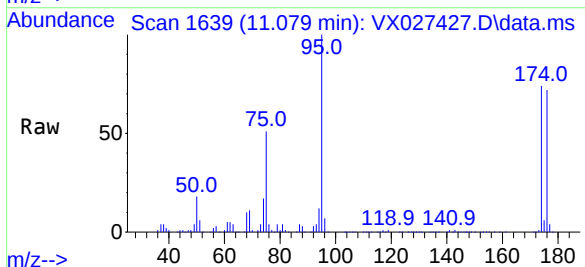
Instrument :
MSVOA_X
ClientSampleId :
MW-2

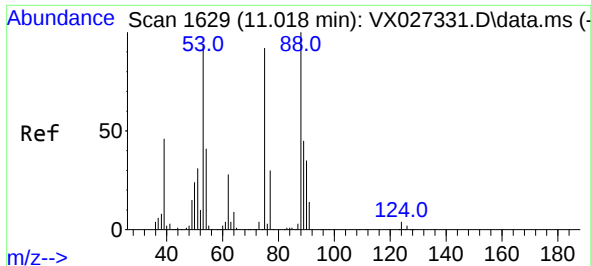
Tgt Ion:152 Resp: 230223
Ion Ratio Lower Upper
152 100
115 59.6 37.5 112.7
150 156.5 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 23.414 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

Tgt Ion: 75 Resp: 118266
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#

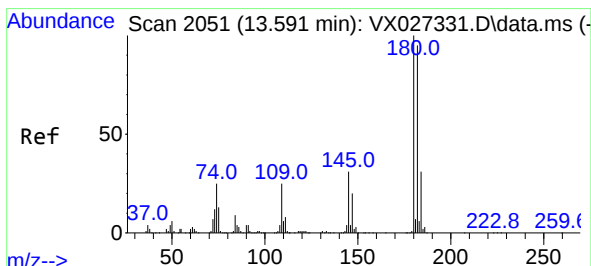
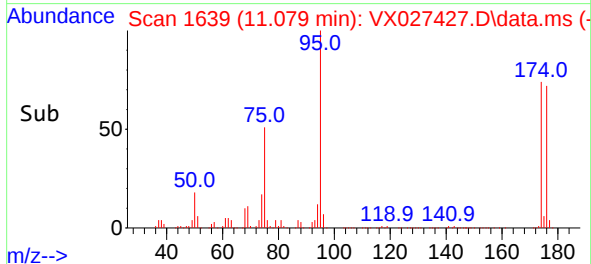
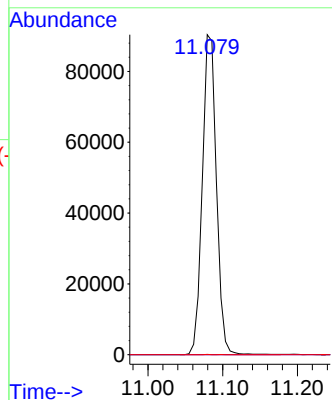
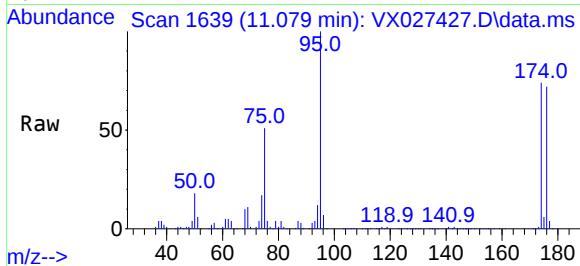




#81
trans-1,4-Dichloro-2-butene
Concen: 75.722 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

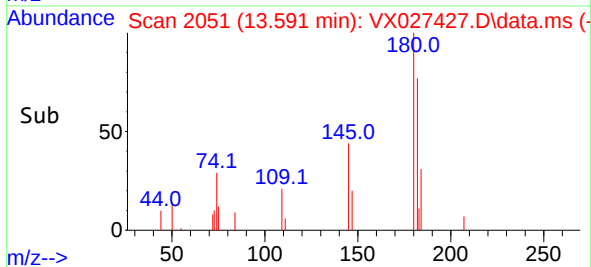
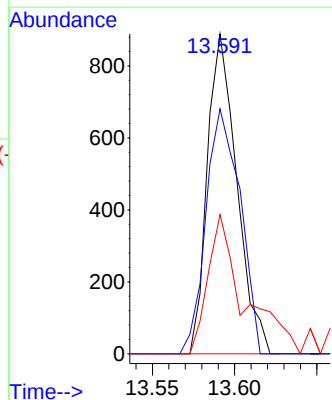
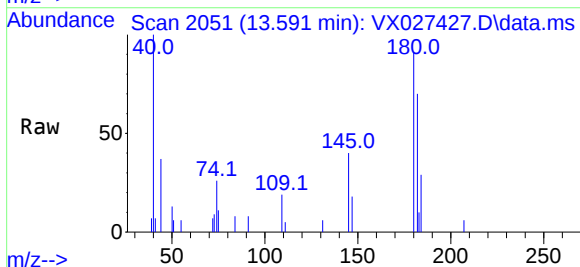
Instrument :
MSVOA_X
ClientSampleId :
MW-2

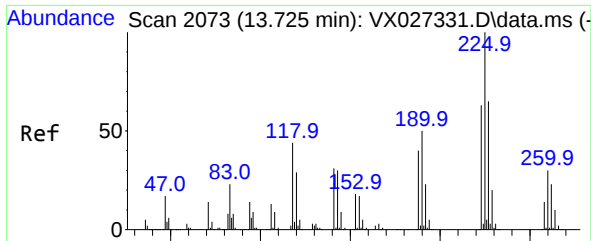
Tgt Ion: 75 Resp: 118266
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.214 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

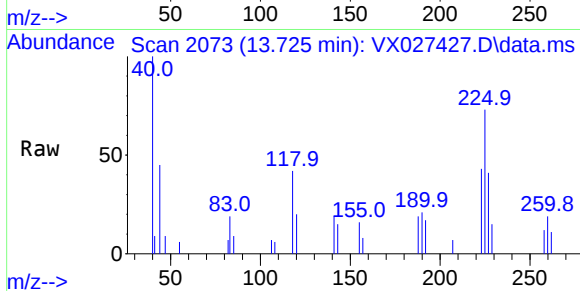
Tgt Ion:180 Resp: 1107
Ion Ratio Lower Upper
180 100
182 88.8 47.7 143.1
145 53.5 15.2 45.5#





#94
Hexachlorobutadiene
Concen: 0.301 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX027427.D
Acq: 14 Mar 2022 17:34

Instrument :
MSVOA_X
ClientSampleId :
MW-2



Tgt Ion: 225 Resp: 681

Ion	Ratio	Lower	Upper
225	100		
223	71.2	34.2	102.5
227	55.8	33.9	101.7

