

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030422\
 Data File : VX027311.D
 Acq On : 04 Mar 2022 19:01
 Operator : JC/MD
 Sample : N1783-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Mar 05 00:46:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

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

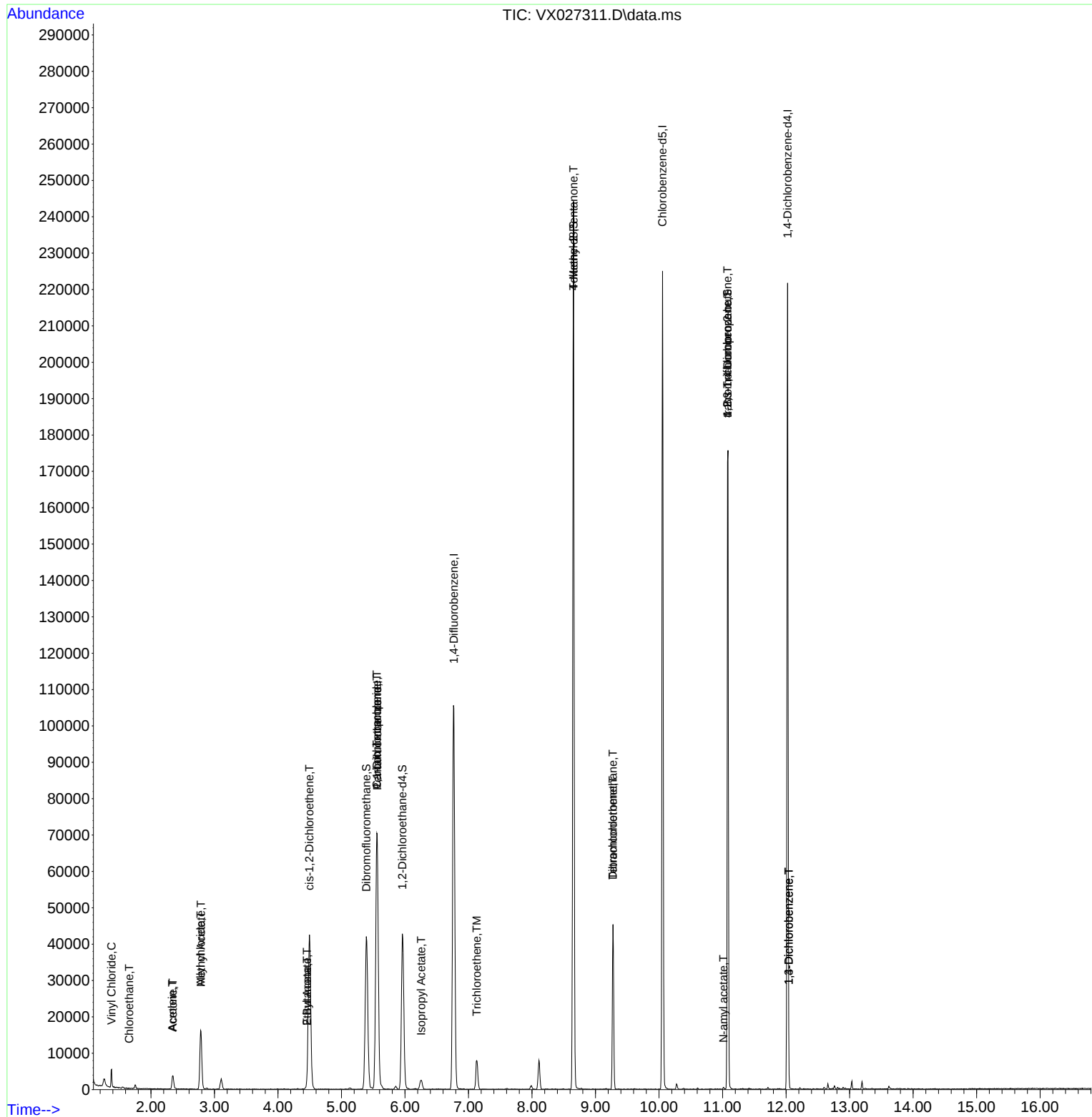
Internal Standards						
1) Pentafluorobenzene	5.562	168	70236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	113075	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	103195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	42700	50.620	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.240%	
35) Dibromofluoromethane	5.391	113	36554	52.080	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.160%	
50) Toluene-d8	8.653	98	133304	50.794	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.580%	
62) 4-Bromofluorobenzene	11.079	95	47492	47.144	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.280%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.380	62	2953	4.543	ug/l	97
5) Bromomethane	1.623	94	43	Below Cal	#	2
6) Chloroethane	1.654	64	91	0.228	ug/l #	43
13) Acrolein	2.337	56	597	3.935	ug/l #	69
14) Allyl chloride	2.782	41	4804	3.990	ug/l #	63
16) Acetone	2.343	43	1727	4.663	ug/l #	46
18) Methyl Acetate	2.788	43	11160	11.674	ug/l #	53
25) 2-Butanone	4.458	43	497	0.843	ug/l #	50
27) cis-1,2-Dichloroethene	4.495	96	27937	33.035	ug/l	84
36) 1,1-Dichloropropene	5.556	75	5034	4.914	ug/l #	51
37) Ethyl Acetate	4.458	43	444	0.395	ug/l #	69
38) Carbon Tetrachloride	5.556	117	6663	6.237	ug/l #	17
43) Isopropyl Acetate	6.257	43	537	0.310	ug/l #	62
44) Trichloroethene	7.129	130	3479	3.882	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	536	0.477	ug/l #	1
60) Dibromochloromethane	9.275	129	8374	10.625	ug/l #	11
64) Tetrachloroethene	9.275	164	8861	9.491	ug/l	98
74) N-amyl acetate	11.012	43	351	0.272	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	23629	24.708	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	23629	70.036	ug/l #	3
87) 1,3-Dichlorobenzene	12.042	146	612	0.384	ug/l #	20
88) 1,4-Dichlorobenzene	12.042	146	612	0.375	ug/l #	18

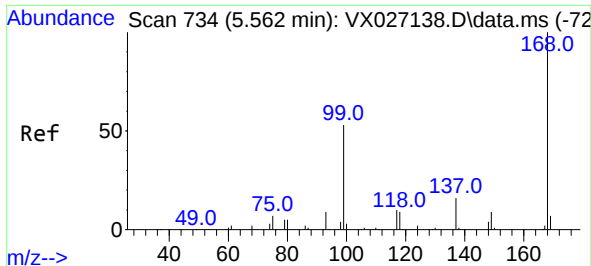
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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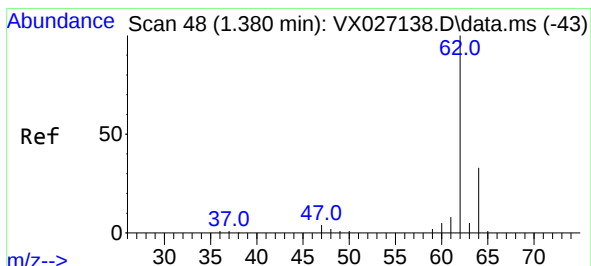
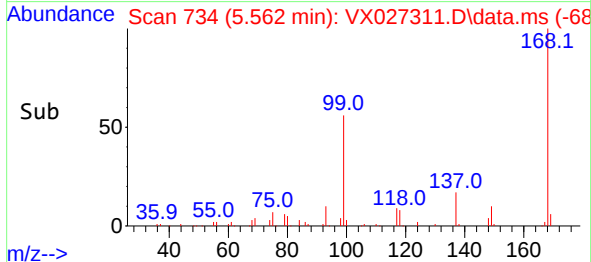
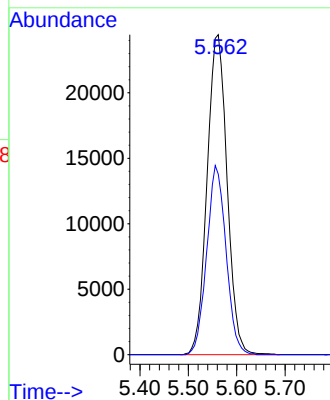
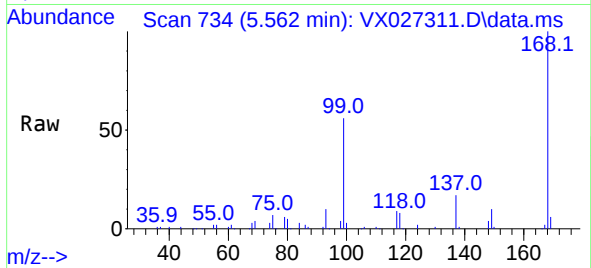




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

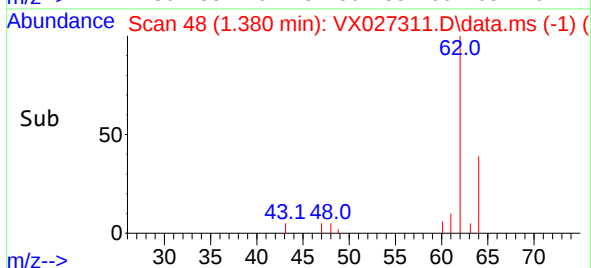
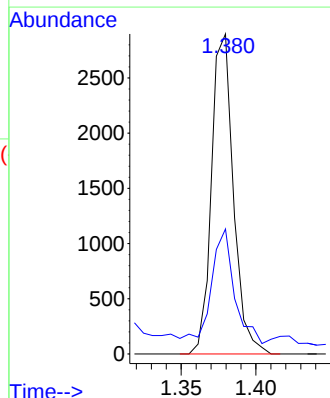
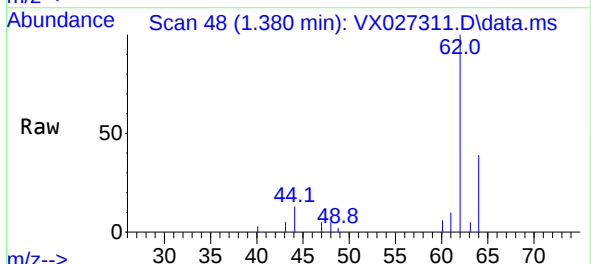
Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tgt Ion:168 Resp: 70236
Ion Ratio Lower Upper
168 100
99 56.4 50.3 75.5

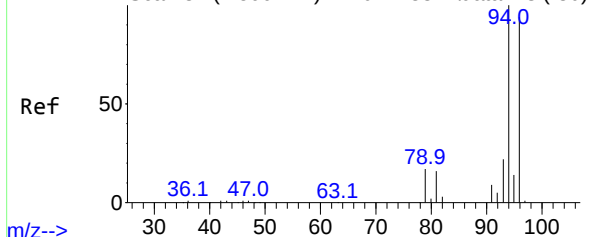


#4
Vinyl Chloride
Concen: 4.543 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

Tgt Ion: 62 Resp: 2953
Ion Ratio Lower Upper
62 100
64 34.2 26.2 39.2



Abundance Scan 84 (1.599 min): VX027138.D\data.ms (-80)



#5

Bromomethane

Concen: Below Cal

RT: 1.623 min Scan# 88

Delta R.T. 0.024 min

Lab File: VX027311.D

Acq: 04 Mar 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

MW-1

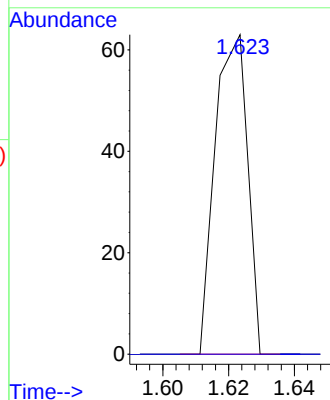
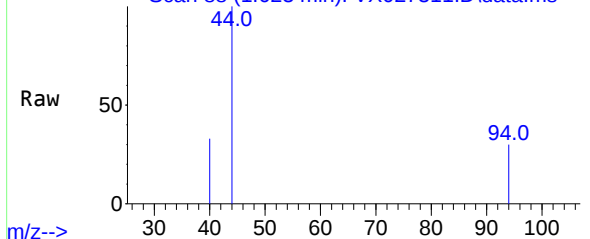
Tgt Ion: 94 Resp: 43

Ion Ratio Lower Upper

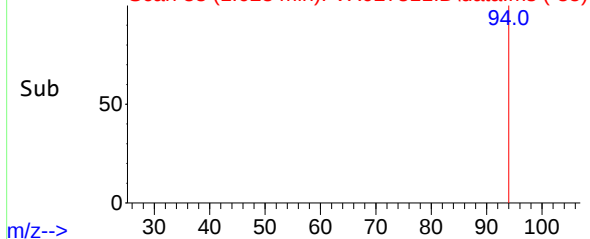
94 100

96 0.0 75.9 113.9#

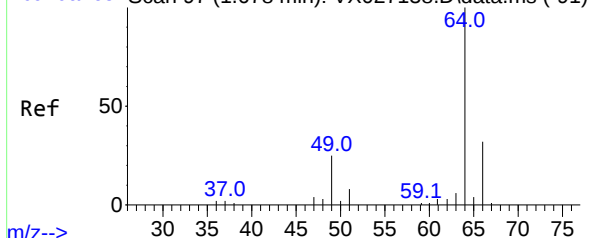
Abundance Scan 88 (1.623 min): VX027311.D\data.ms



Abundance Scan 88 (1.623 min): VX027311.D\data.ms (-35)



Abundance Scan 97 (1.678 min): VX027138.D\data.ms (-91)



#6

Chloroethane

Concen: 0.228 ug/l

RT: 1.654 min Scan# 93

Delta R.T. -0.024 min

Lab File: VX027311.D

Acq: 04 Mar 2022 19:01

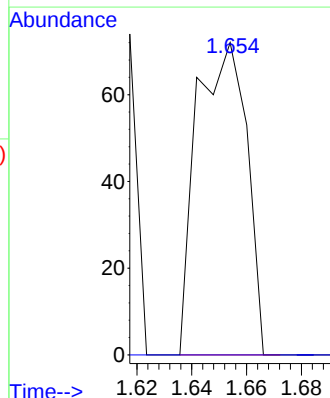
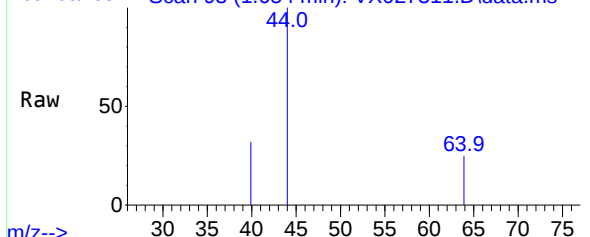
Tgt Ion: 64 Resp: 91

Ion Ratio Lower Upper

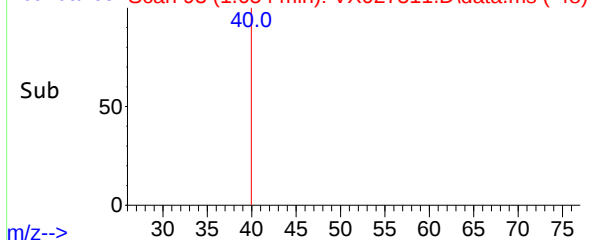
64 100

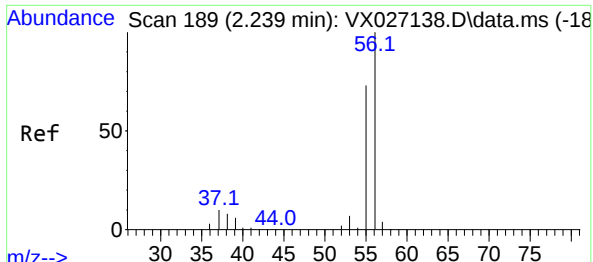
66 0.0 25.4 38.2#

Abundance Scan 93 (1.654 min): VX027311.D\data.ms



Abundance Scan 93 (1.654 min): VX027311.D\data.ms (-48)

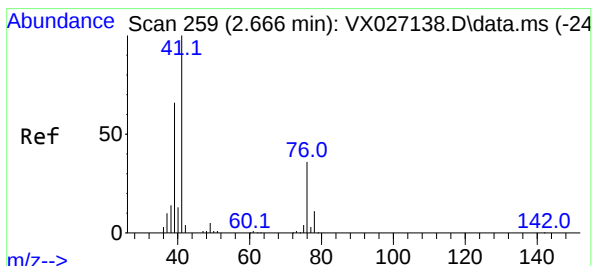
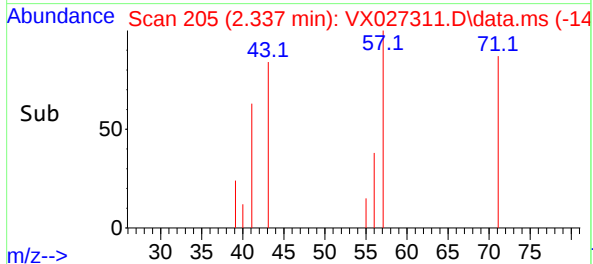
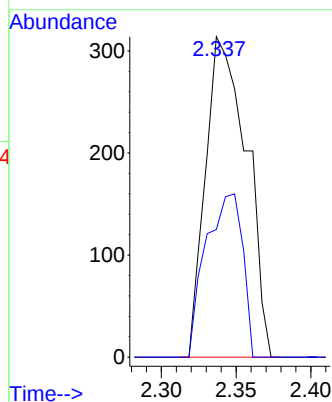
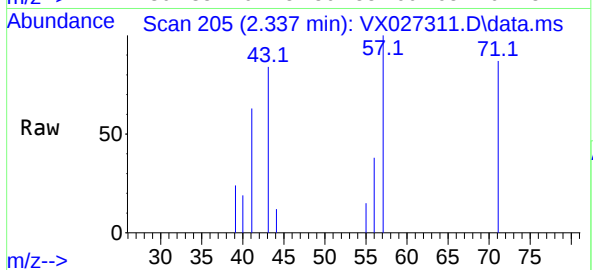




#13
Acrolein
Concen: 3.935 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.098 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

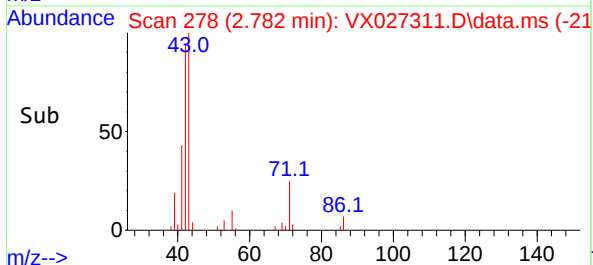
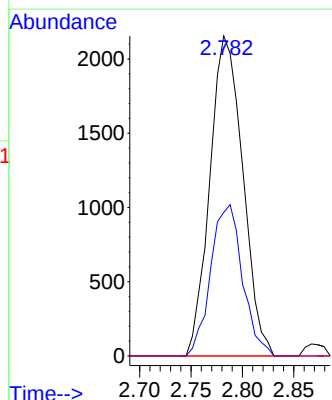
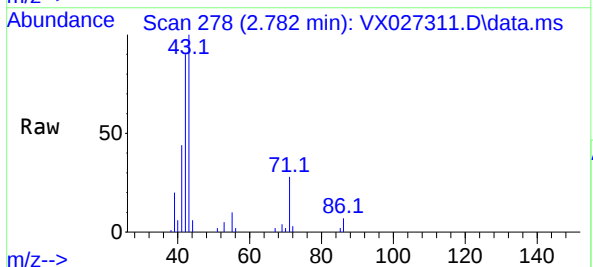
Instrument :
MSVOA_X
ClientSampleId :
MW-1

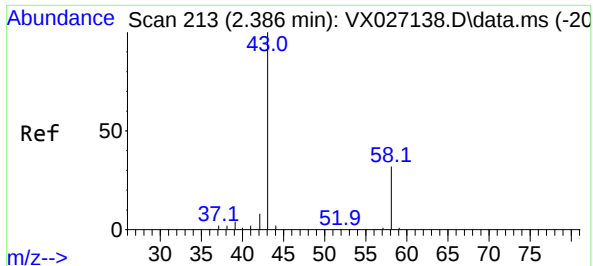
Tgt Ion: 56 Resp: 597
Ion Ratio Lower Upper
56 100
55 45.7 56.9 85.3#



#14
Allyl chloride
Concen: 3.990 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.116 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

Tgt Ion: 41 Resp: 4804
Ion Ratio Lower Upper
41 100
39 45.5 54.2 81.4#
76 0.0 25.2 37.8#

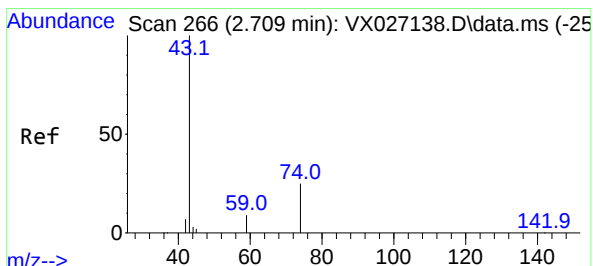
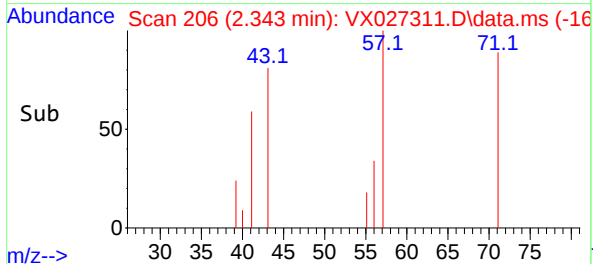
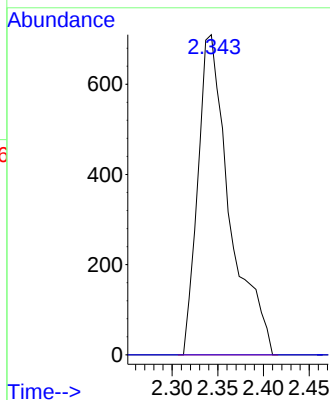
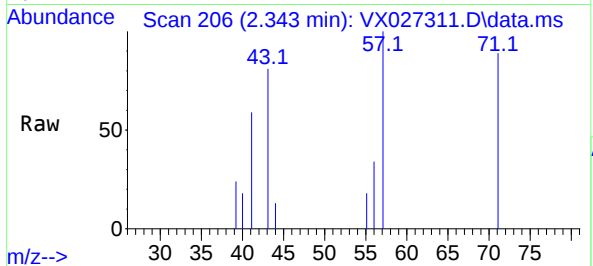




#16
Acetone
Concen: 4.663 ug/l
RT: 2.343 min Scan# 206
Delta R.T. -0.043 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

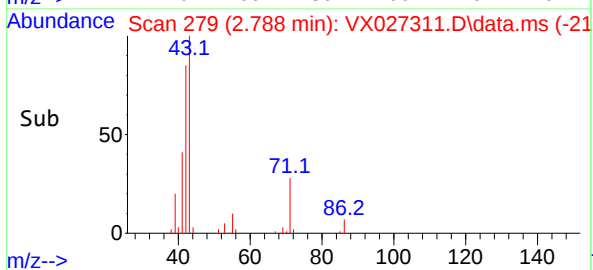
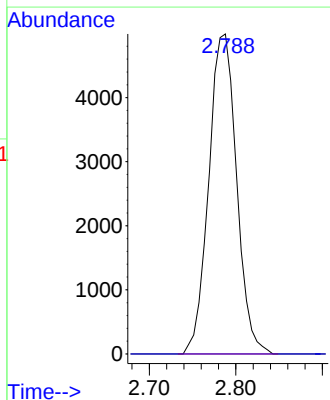
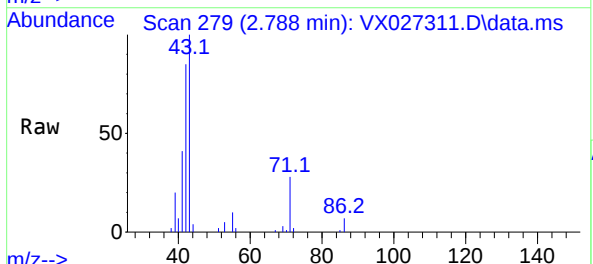
Instrument :
MSVOA_X
ClientSampleId :
MW-1

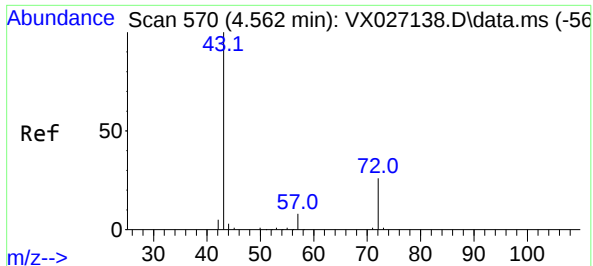
Tgt Ion: 43 Resp: 1727
Ion Ratio Lower Upper
43 100
58 0.0 23.0 34.6#



#18
Methyl Acetate
Concen: 11.674 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.079 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

Tgt Ion: 43 Resp: 11160
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#





#25

2-Butanone

Concen: 0.843 ug/l

RT: 4.458 min Scan# 51

Delta R.T. -0.104 min

Lab File: VX027311.D

Acq: 04 Mar 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

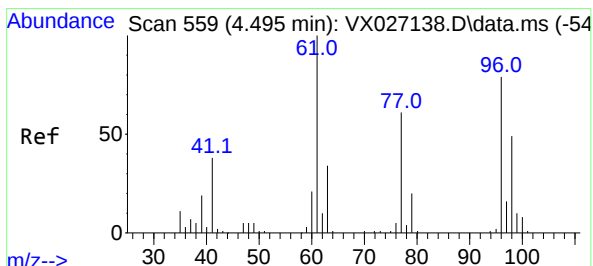
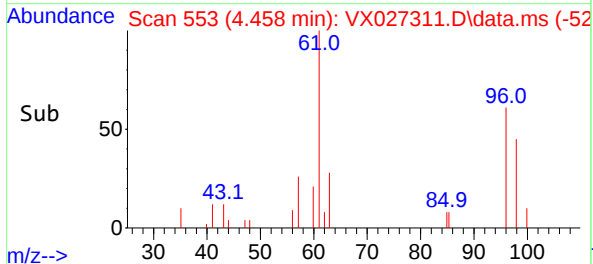
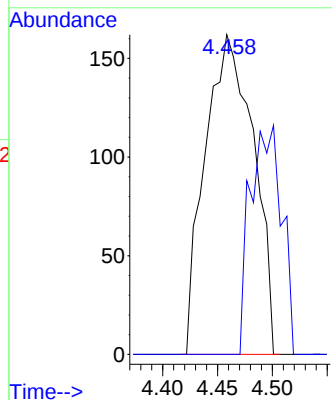
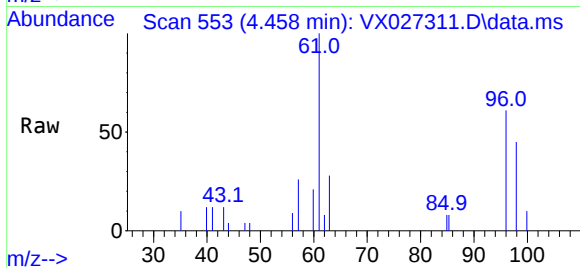
MW-1

Tgt Ion: 43 Resp: 497

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



#27

cis-1,2-Dichloroethene

Concen: 33.035 ug/l

RT: 4.495 min Scan# 559

Delta R.T. -0.000 min

Lab File: VX027311.D

Acq: 04 Mar 2022 19:01

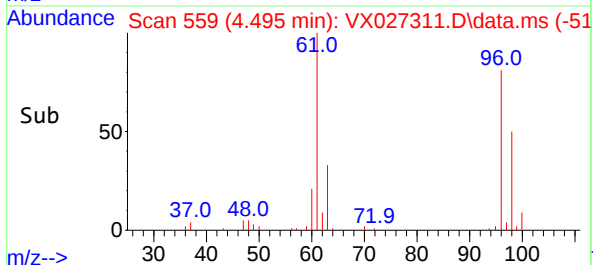
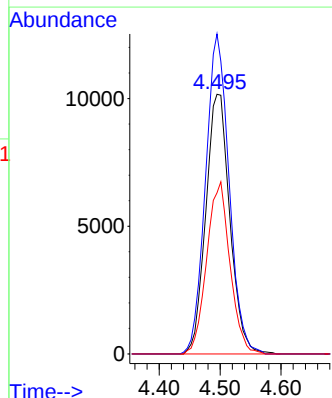
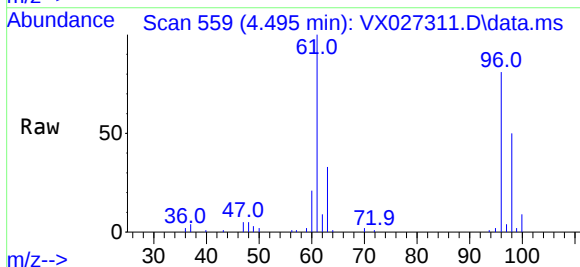
Tgt Ion: 96 Resp: 27937

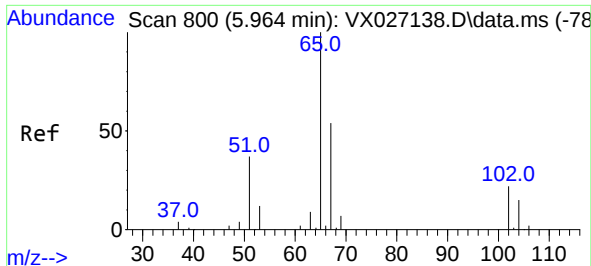
Ion Ratio Lower Upper

96 100

61 120.1 0.0 296.6

98 64.0 0.0 128.8





#33

1,2-Dichloroethane-d4

Concen: 50.620 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX027311.D

Acq: 04 Mar 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

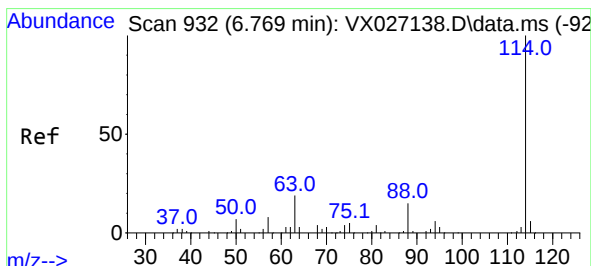
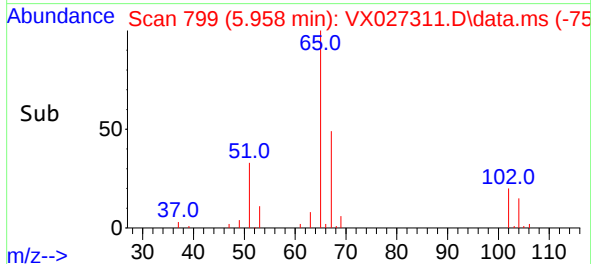
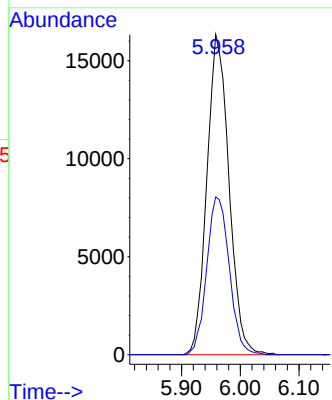
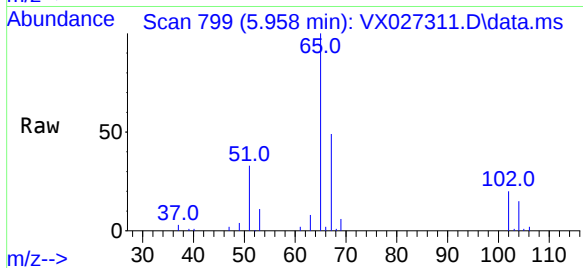
MW-1

Tgt Ion: 65 Resp: 42700

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX027311.D

Acq: 04 Mar 2022 19:01

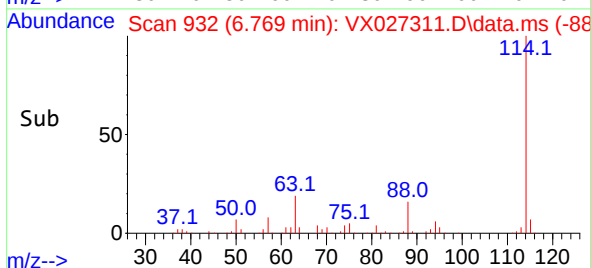
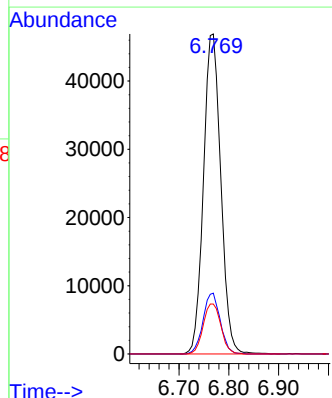
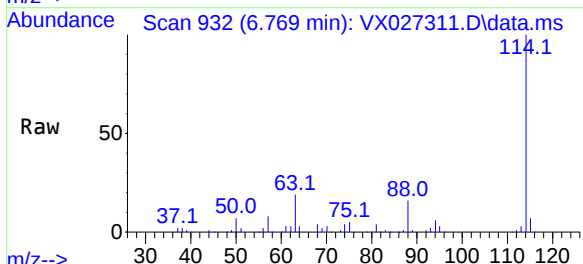
Tgt Ion: 114 Resp: 113075

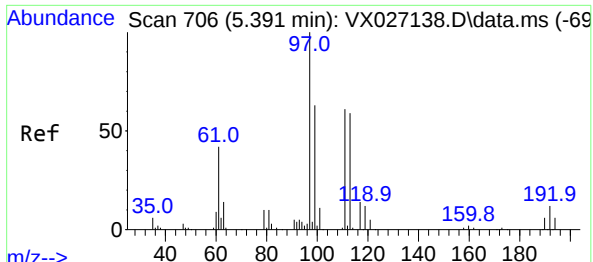
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.8

88 15.6 0.0 33.0

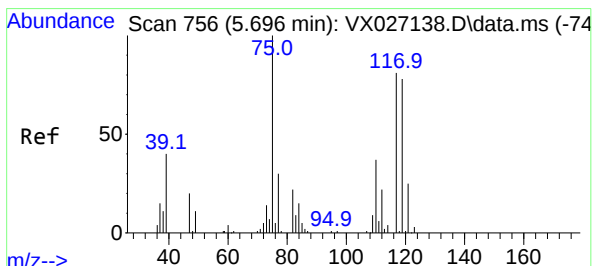
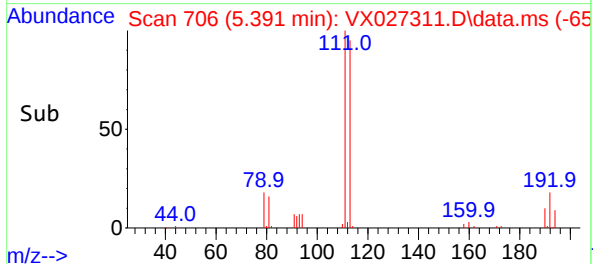
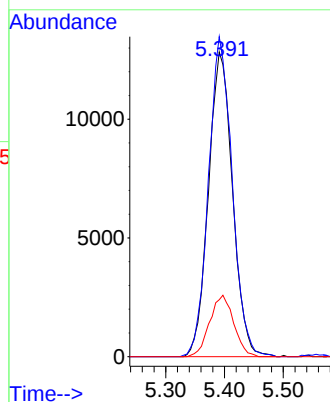
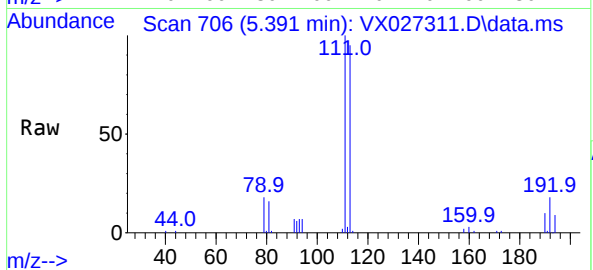




#35
Dibromofluoromethane
Concen: 52.080 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

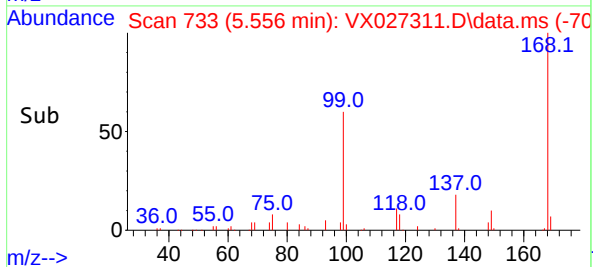
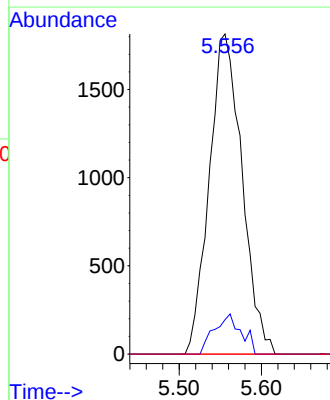
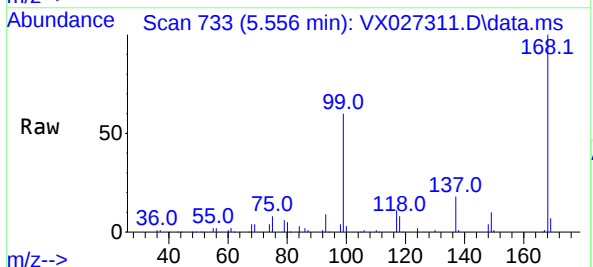
Instrument :
MSVOA_X
ClientSampleId :
MW-1

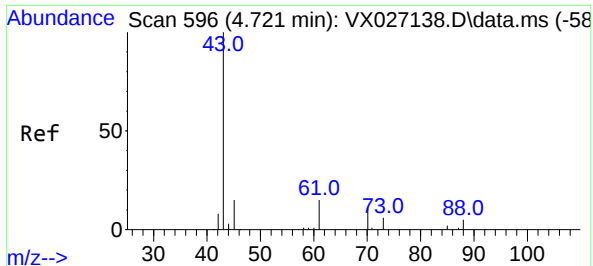
Tgt Ion:113 Resp: 36554
Ion Ratio Lower Upper
113 100
111 103.4 81.2 121.8
192 20.1 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.914 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

Tgt Ion: 75 Resp: 5034
Ion Ratio Lower Upper
75 100
110 10.2 17.2 51.6#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 0.395 ug/l

RT: 4.458 min Scan# 51

Delta R.T. -0.263 min

Lab File: VX027311.D

Acq: 04 Mar 2022 19:01

Instrument :

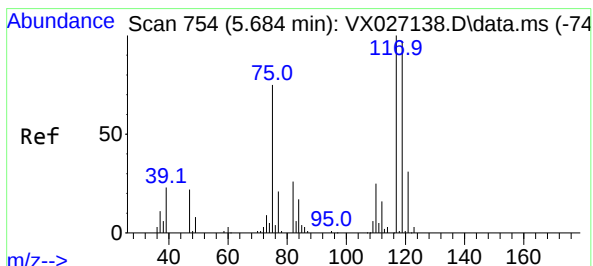
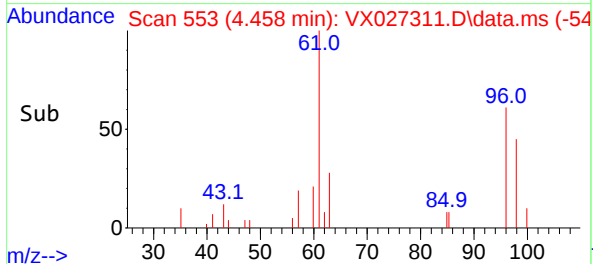
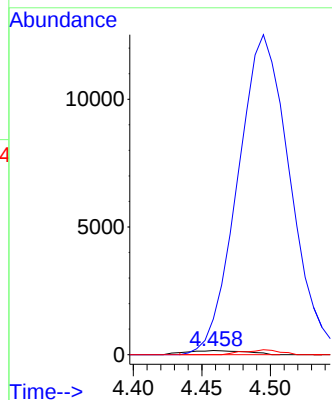
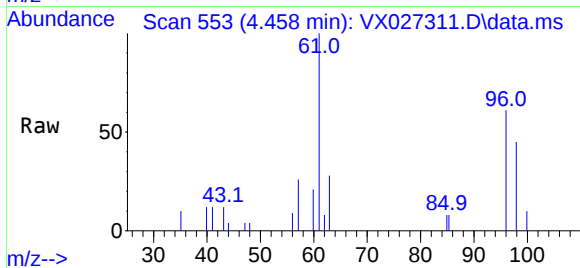
MSVOA_X

ClientSampleId :

MW-1

Tgt Ion: 43 Resp: 444

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.5	12.7#



#38

Carbon Tetrachloride

Concen: 6.237 ug/l

RT: 5.556 min Scan# 733

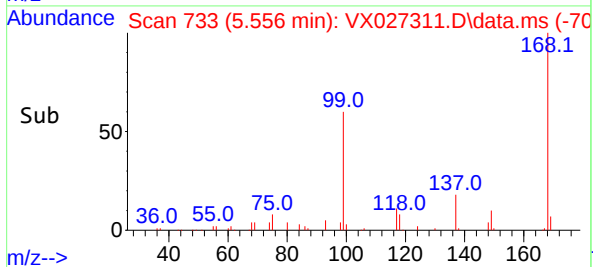
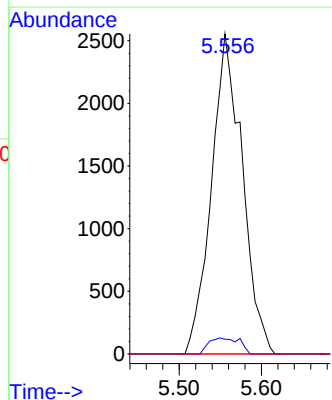
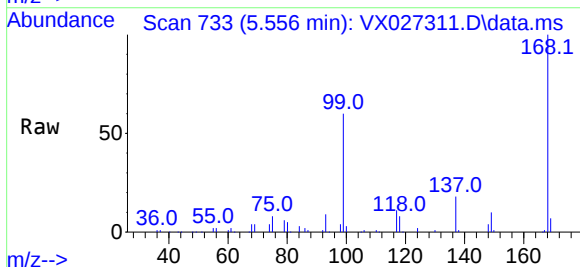
Delta R.T. -0.128 min

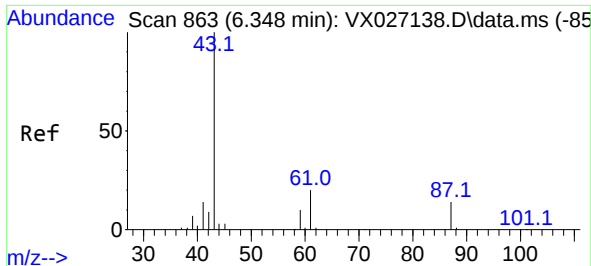
Lab File: VX027311.D

Acq: 04 Mar 2022 19:01

Tgt Ion: 117 Resp: 6663

Ion	Ratio	Lower	Upper
117	100		
119	4.6	74.7	112.1#
121	0.0	25.4	38.0#

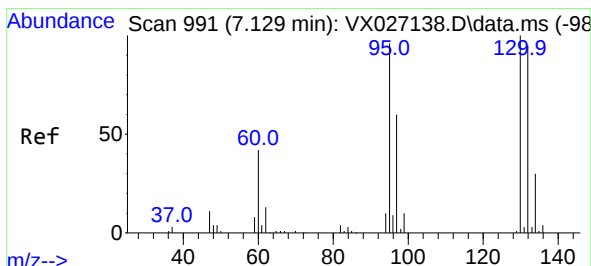
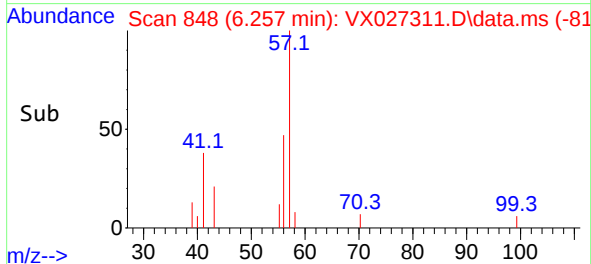
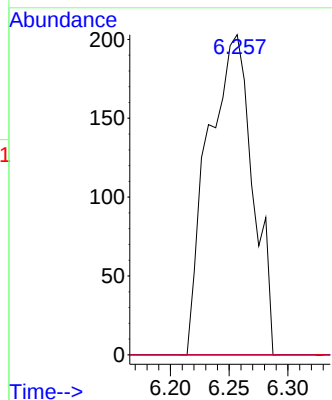
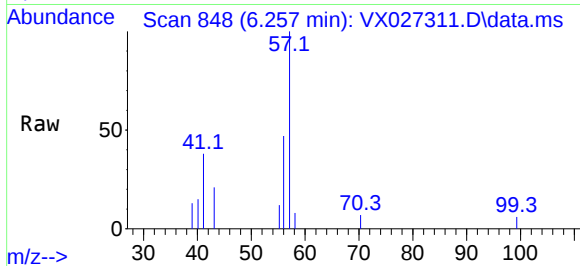




#43
Isopropyl Acetate
Concen: 0.310 ug/l
RT: 6.257 min Scan# 848
Delta R.T. -0.091 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

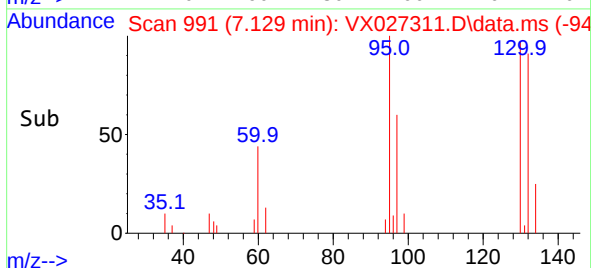
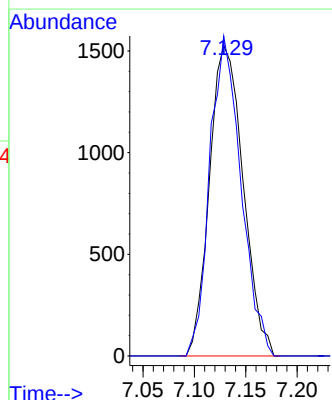
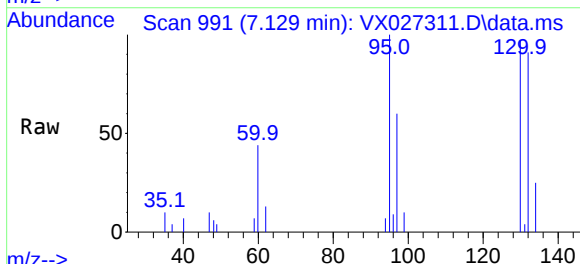
Instrument :
MSVOA_X
ClientSampleId :
MW-1

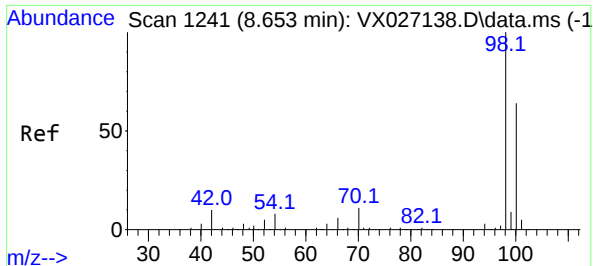
Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 10.2 15.2#



#44
Trichloroethene
Concen: 3.882 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

Tgt Ion:130 Resp: 3479
Ion Ratio Lower Upper
130 100
95 103.1 0.0 202.6





#50

Toluene-d8

Concen: 50.794 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027311.D

Acq: 04 Mar 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

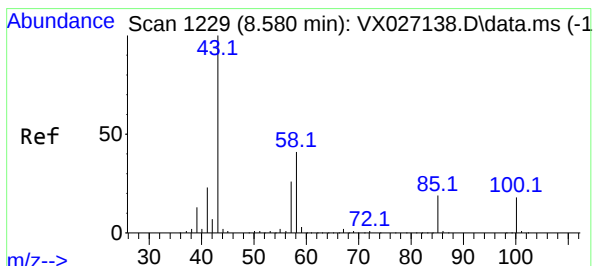
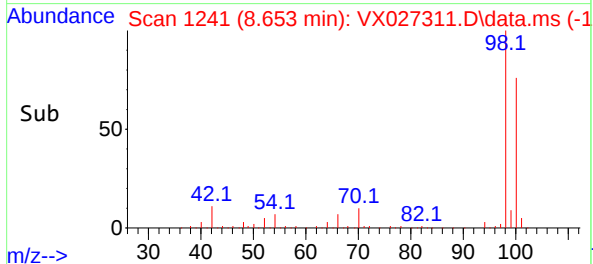
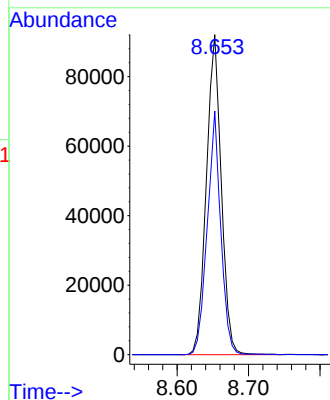
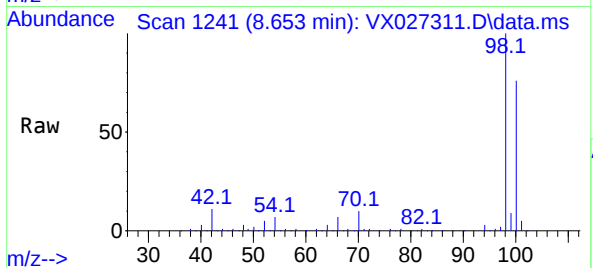
MW-1

Tgt Ion: 98 Resp: 133304

Ion Ratio Lower Upper

98 100

100 69.3 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 0.477 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX027311.D

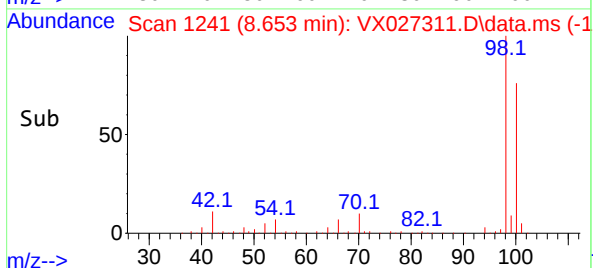
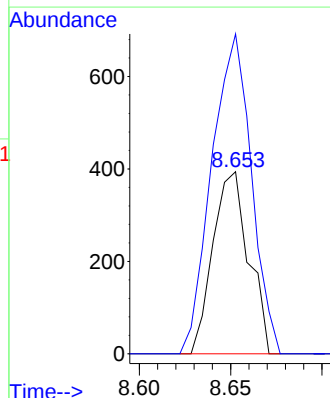
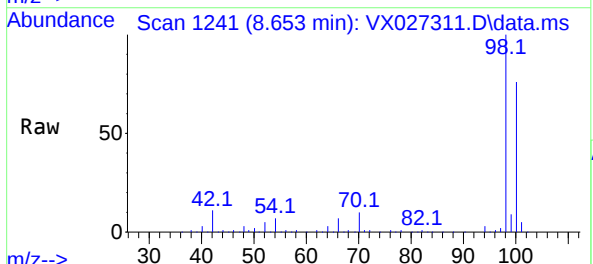
Acq: 04 Mar 2022 19:01

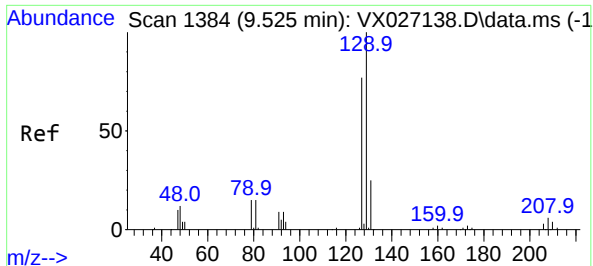
Tgt Ion: 43 Resp: 536

Ion Ratio Lower Upper

43 100

58 195.1 30.5 45.7#





#60

Dibromochloromethane

Concen: 10.625 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX027311.D

Acq: 04 Mar 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

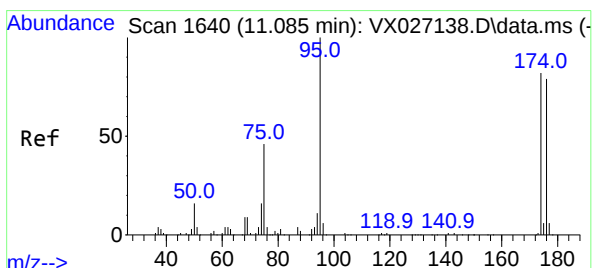
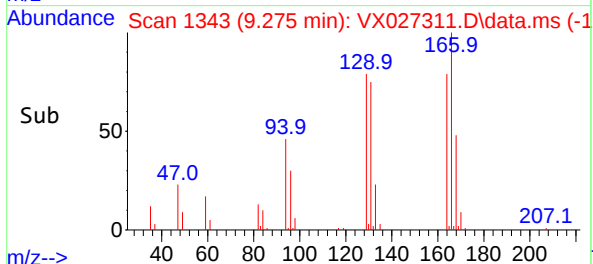
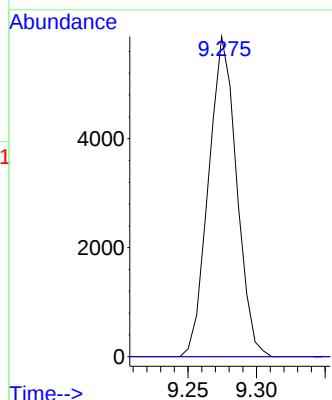
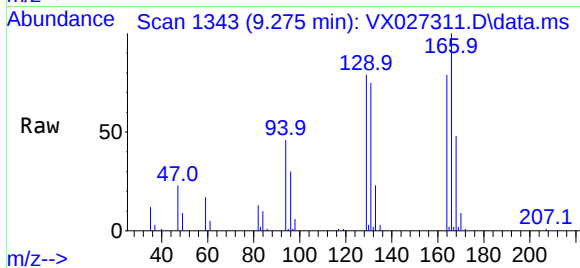
MW-1

Tgt Ion:129 Resp: 8374

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



#62

4-Bromofluorobenzene

Concen: 47.144 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX027311.D

Acq: 04 Mar 2022 19:01

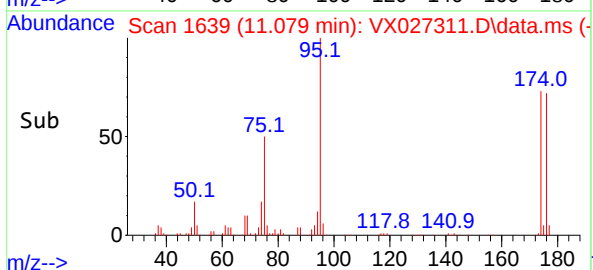
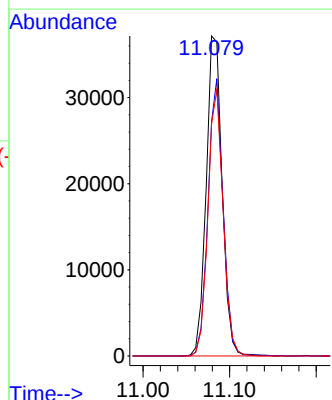
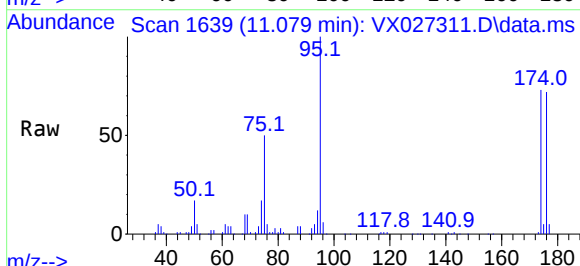
Tgt Ion: 95 Resp: 47492

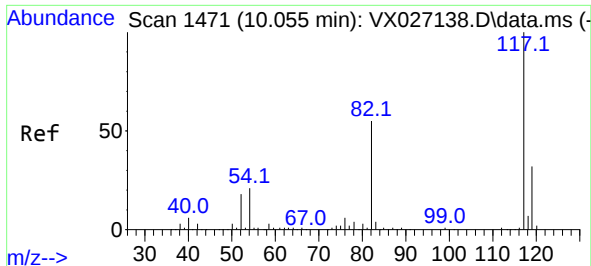
Ion Ratio Lower Upper

95 100

174 81.9 0.0 148.6

176 79.1 0.0 141.4

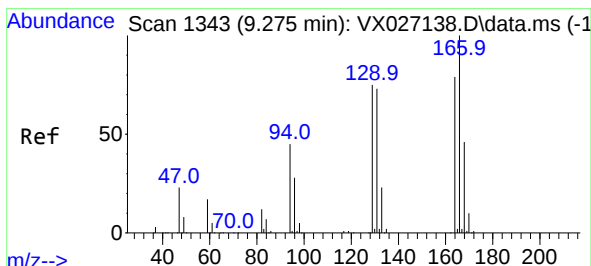
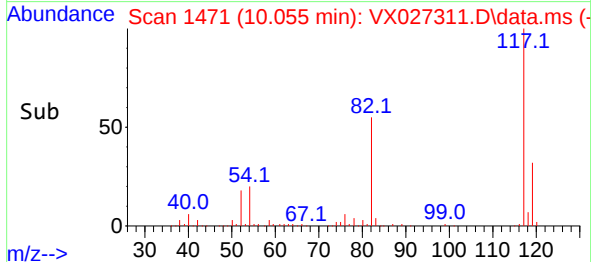
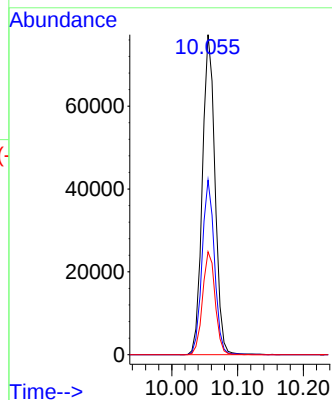
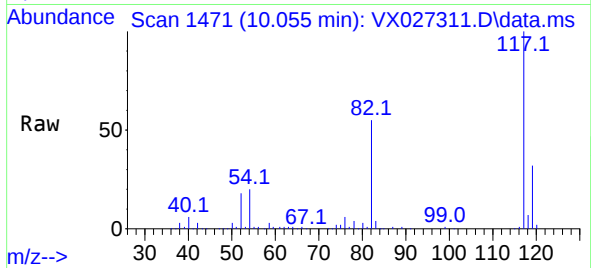




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

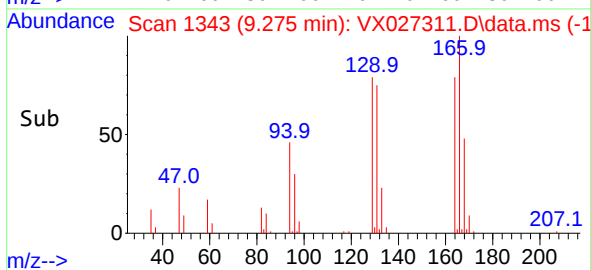
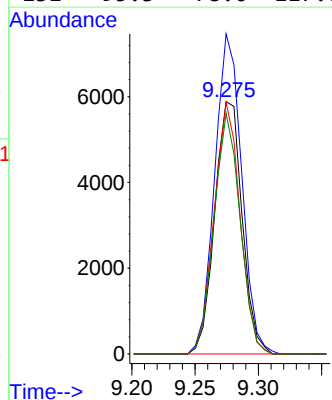
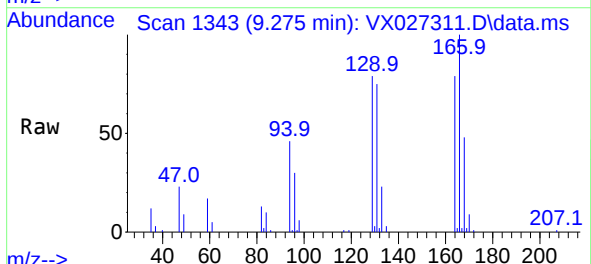
Instrument :
MSVOA_X
ClientSampleId :
MW-1

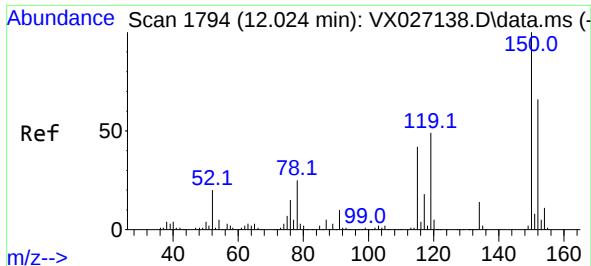
Tgt Ion:117 Resp: 103195
Ion Ratio Lower Upper
117 100
82 54.6 45.2 67.8
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 9.491 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

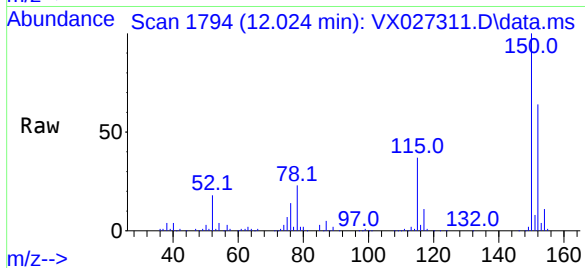
Tgt Ion:164 Resp: 8861
Ion Ratio Lower Upper
164 100
166 126.8 101.8 152.6
129 99.7 83.3 124.9
131 95.3 78.0 117.0



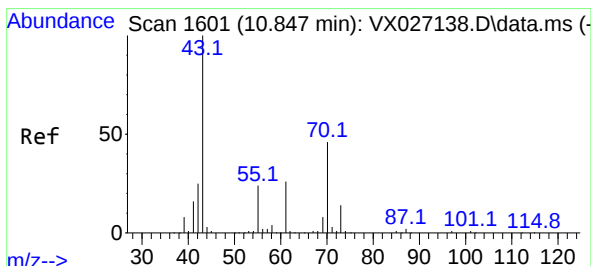
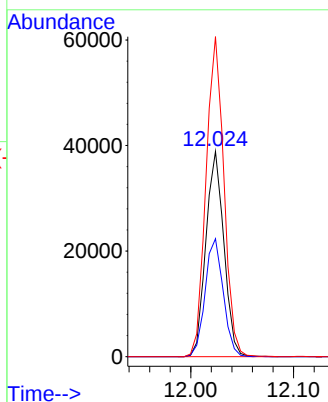
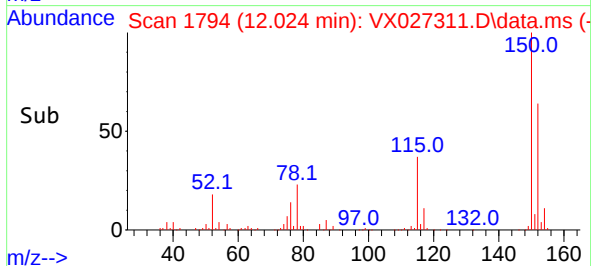


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

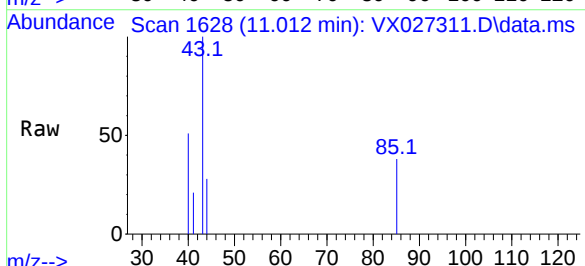
Instrument :
MSVOA_X
ClientSampleId :
MW-1



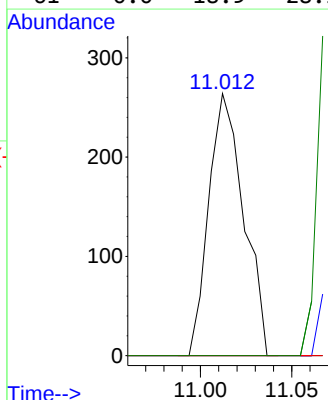
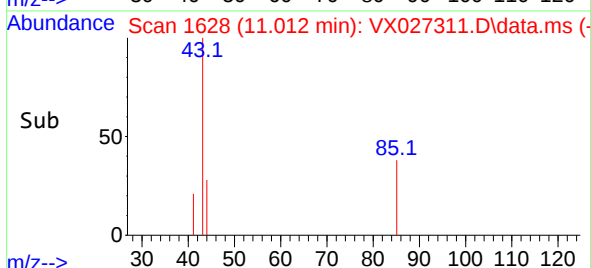
Tgt Ion:152 Resp: 47478
Ion Ratio Lower Upper
152 100
115 57.8 44.2 132.6
150 155.0 0.0 348.2

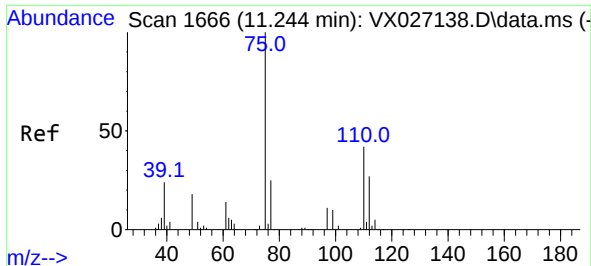


#74
N-ethyl acetate
Concen: 0.272 ug/l
RT: 11.012 min Scan# 1628
Delta R.T. 0.165 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01



Tgt Ion: 43 Resp: 351
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 0.0 18.3 27.5#
61 0.0 18.9 28.3#

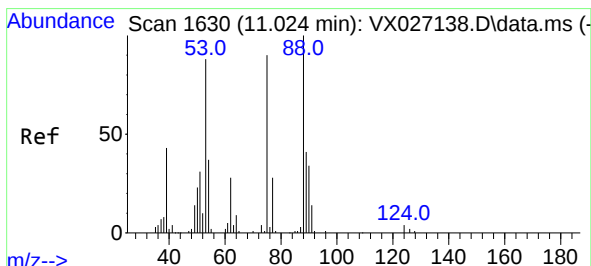
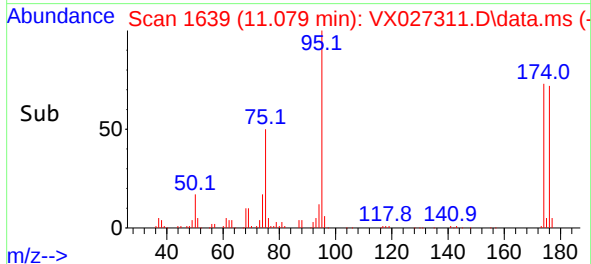
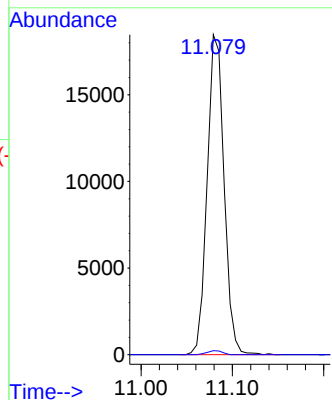
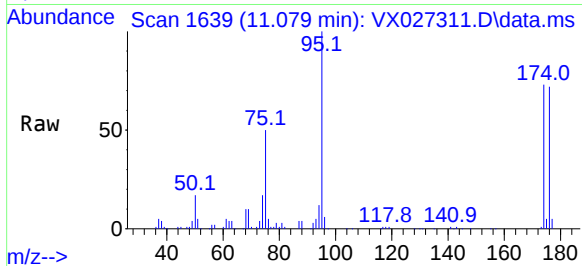




#76
1,2,3-Trichloropropane
Concen: 24.708 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

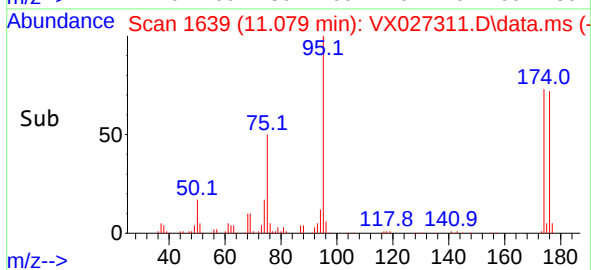
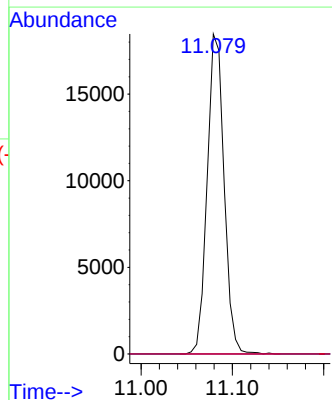
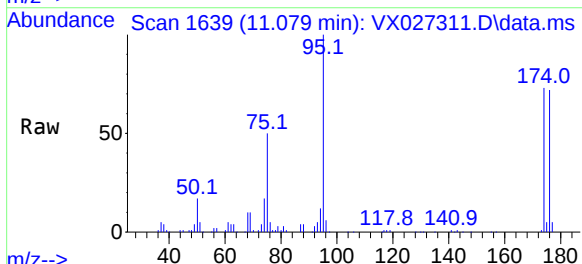
Instrument :
MSVOA_X
ClientSampleId :
MW-1

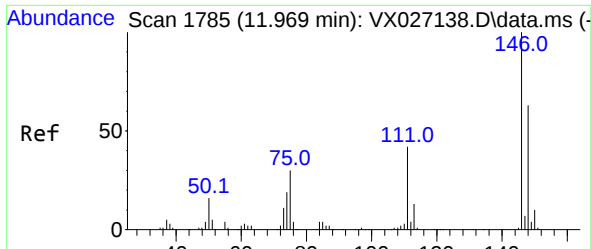
Tgt Ion: 75 Resp: 23629
Ion Ratio Lower Upper
75 100
77 1.1 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.036 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

Tgt Ion: 75 Resp: 23629
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

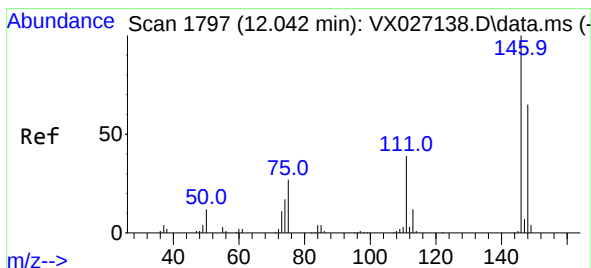
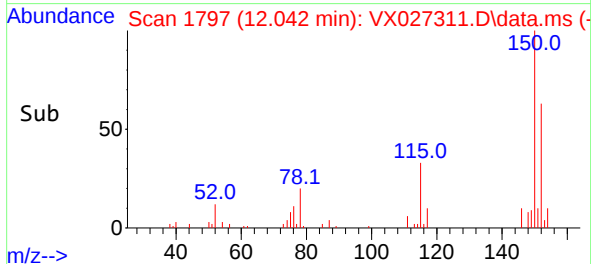
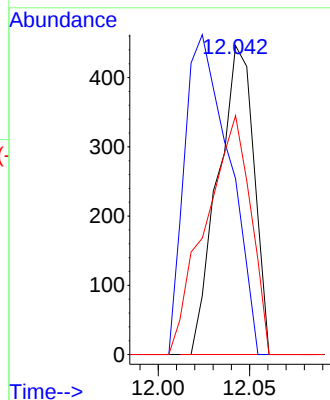
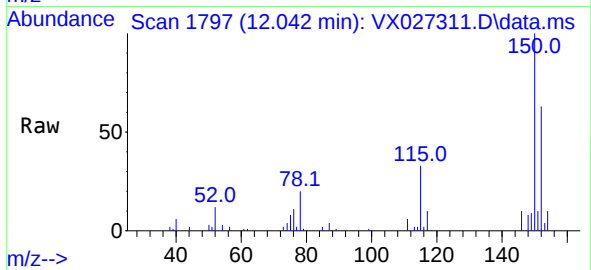




#87
1,3-Dichlorobenzene
Concen: 0.384 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.073 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tgt Ion:146 Resp: 612
Ion Ratio Lower Upper
146 100
111 128.4 21.3 63.7#
148 96.6 31.6 95.0#



#88
1,4-Dichlorobenzene
Concen: 0.375 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX027311.D
Acq: 04 Mar 2022 19:01

Tgt Ion:146 Resp: 612
Ion Ratio Lower Upper
146 100
111 128.4 20.2 60.6#
148 96.6 31.4 94.0#

