

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030322\
 Data File : VX027283.D
 Acq On : 03 Mar 2022 21:00
 Operator : JC/MD
 Sample : N1769-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-036-IDWGW-20220302

Quant Time: Mar 04 02:42:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 04 01:00:22 2022
 Response via : Initial Calibration

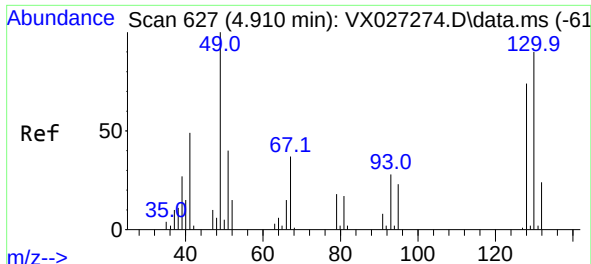
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.910	128	12202	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	65976	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	59253	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	25819	30.564	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.867%			
60) 4-Bromofluorobenzene	11.079	95	26533	27.641	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.133%			
63) Toluene-d8	8.653	98	76002	29.341	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.800%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	199	0.317	ug/l	97
5) Bromomethane	1.624	94	187	0.578	ug/l	99
11) Methyl Iodide	2.465	142	341	0.419	ug/l #	76
12) Methyl Acetate	2.544	43	270	0.297	ug/l #	47
15) Acetone	2.386	58	190	1.614	ug/l #	56
16) Carbon Disulfide	2.520	76	889	0.479	ug/l #	75
37) Trichloroethene	7.135	130	252	0.283	ug/l #	60
45) 1,4-Dioxane	7.671	88	155	8.247	ug/l #	76
51) Ethyl methacrylate	8.653	69	278	0.233	ug/l #	76
56) Bromoform	11.085	173	272	0.443	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	329	0.307	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	13013	12.514	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	13013	42.242	ug/l #	3
89) 1,2,4-Trichlorobenzene	13.597	180	240	0.222	ug/l #	93
90) Hexachlorobutadiene	13.731	225	133	0.292	ug/l #	19
91) Naphthalene	13.780	128	1054	0.292	ug/l #	91

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

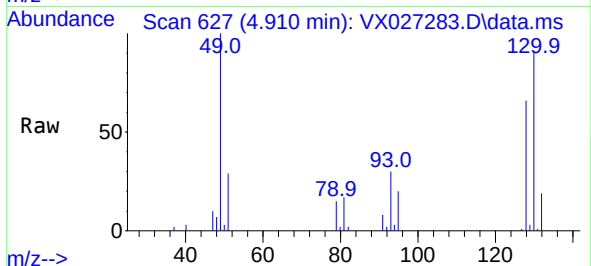
Quant Time: Mar 04 02:42:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 04 01:00:22 2022
Response via : Initial Calibration



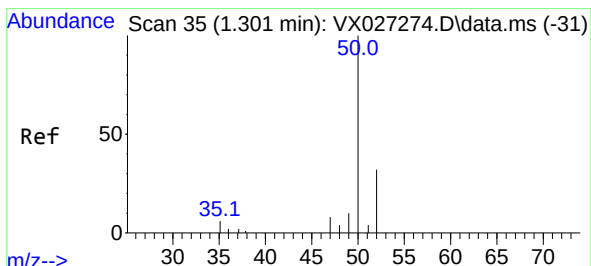
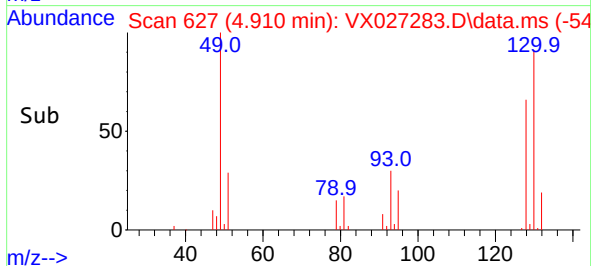
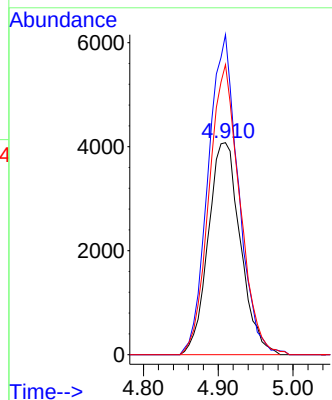


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

Instrument :
MSVOA_X
ClientSampleId :
TT-036-IDWGW-20220302

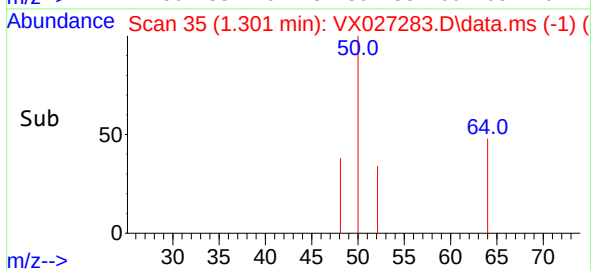
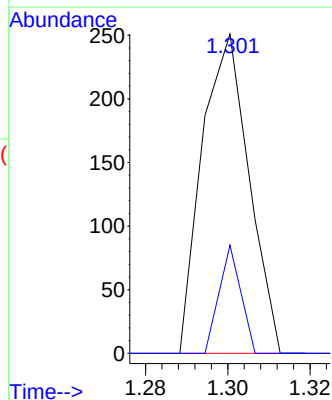
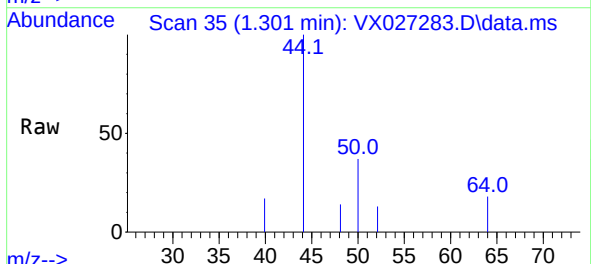


Tgt Ion:128 Resp: 12202
Ion Ratio Lower Upper
128 100
49 141.3 0.0 358.3
130 130.7 0.0 319.3

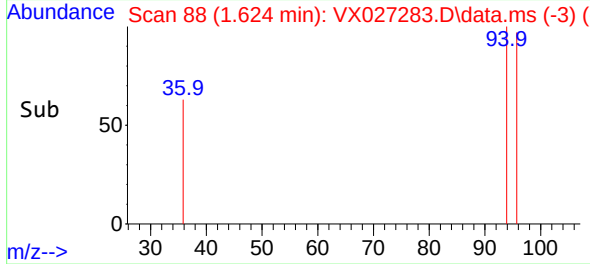
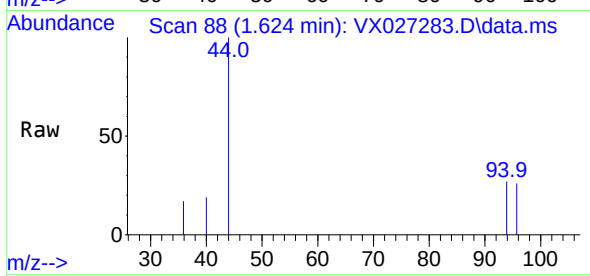
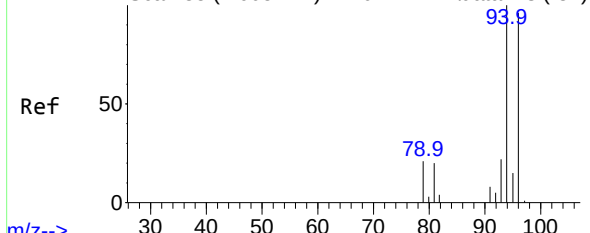


#3
Chloromethane
Concen: 0.317 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

Tgt Ion: 50 Resp: 199
Ion Ratio Lower Upper
50 100
52 33.9 25.6 38.4



Abundance Scan 85 (1.605 min): VX027274.D\data.ms (-81)



#5

Bromomethane

Concen: 0.578 ug/l

RT: 1.624 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX027283.D

Acq: 03 Mar 2022 21:00

Instrument :

MSVOA_X

ClientSampleId :

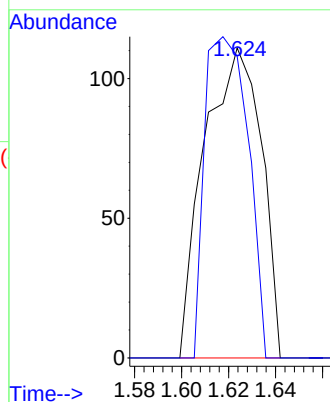
TT-036-IDWGW-20220302

Tgt Ion: 94 Resp: 187

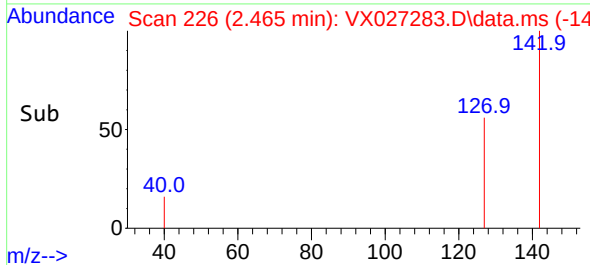
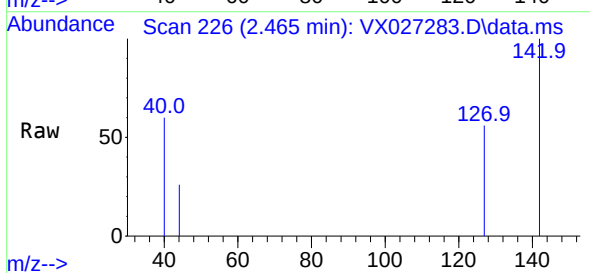
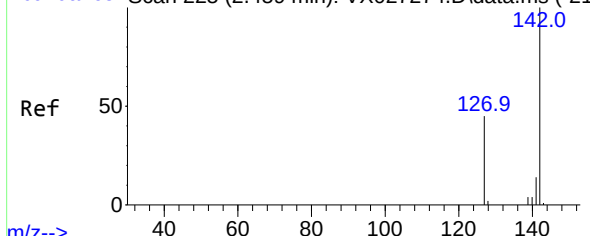
Ion Ratio Lower Upper

94 100

96 97.3 77.0 115.6



Abundance Scan 225 (2.459 min): VX027274.D\data.ms (-21)



#11

Methyl Iodide

Concen: 0.419 ug/l

RT: 2.465 min Scan# 226

Delta R.T. 0.006 min

Lab File: VX027283.D

Acq: 03 Mar 2022 21:00

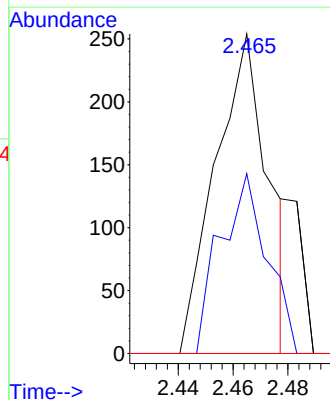
Tgt Ion: 142 Resp: 341

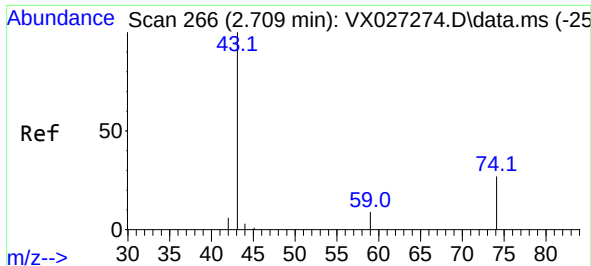
Ion Ratio Lower Upper

142 100

127 58.4 22.3 66.9

141 0.0 7.0 20.9#

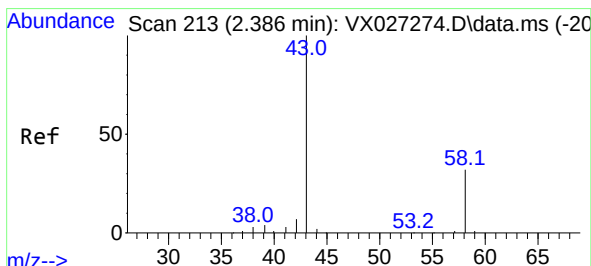
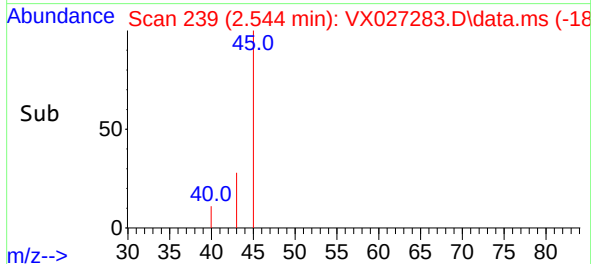
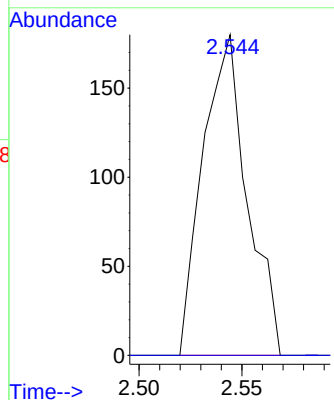
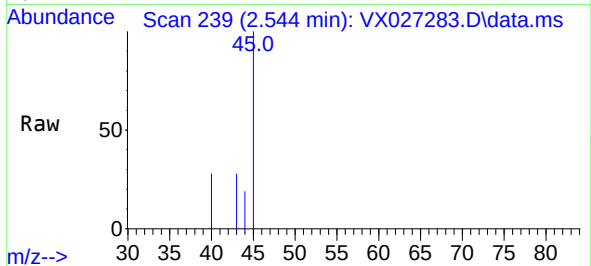




#12
Methyl Acetate
Concen: 0.297 ug/l
RT: 2.544 min Scan# 213
Delta R.T. -0.165 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

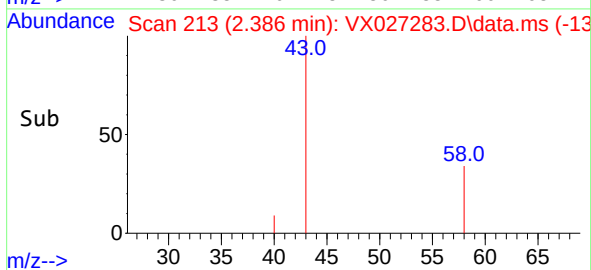
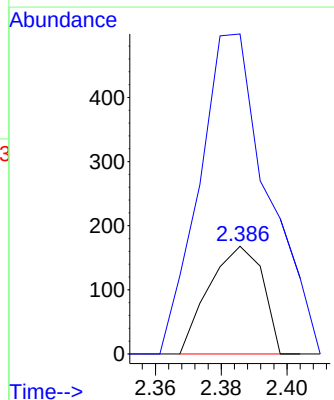
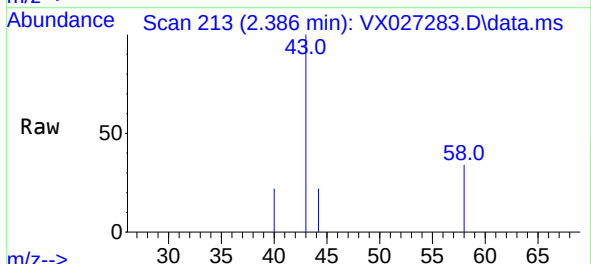
Instrument :
MSVOA_X
ClientSampleId :
TT-036-IDWGW-20220302

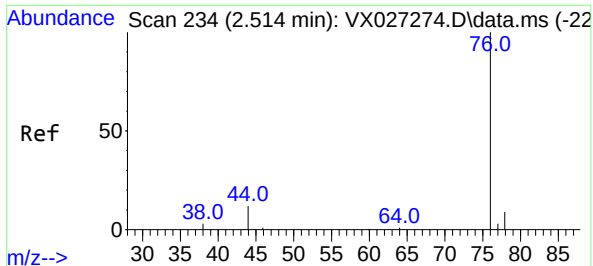
Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
74 0.0 22.1 33.1#



#15
Acetone
Concen: 1.614 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

Tgt Ion: 58 Resp: 190
Ion Ratio Lower Upper
58 100
43 224.4 250.2 375.2#

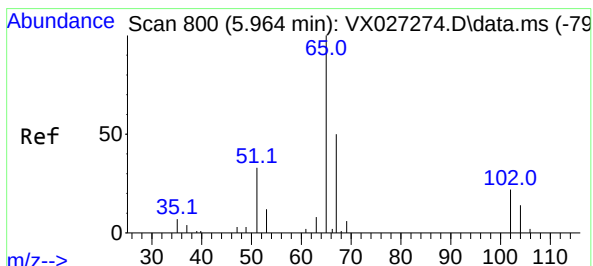
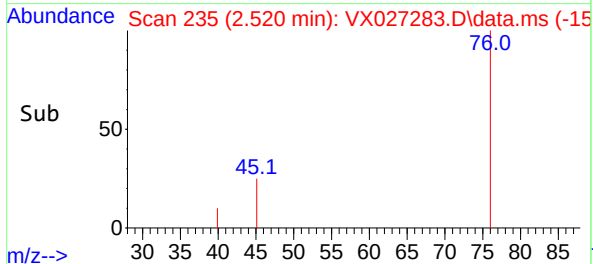
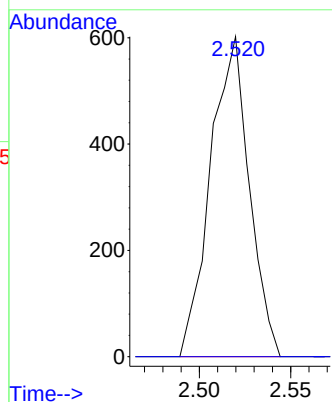
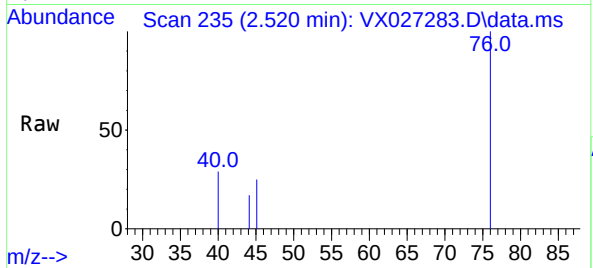




#16
Carbon Disulfide
Concen: 0.479 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

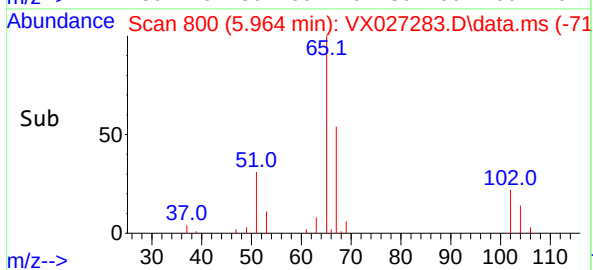
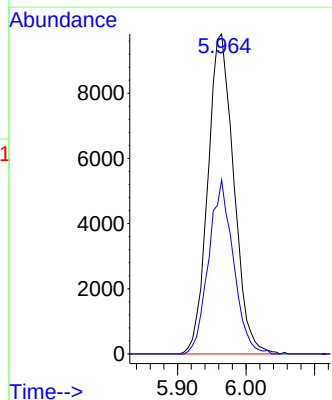
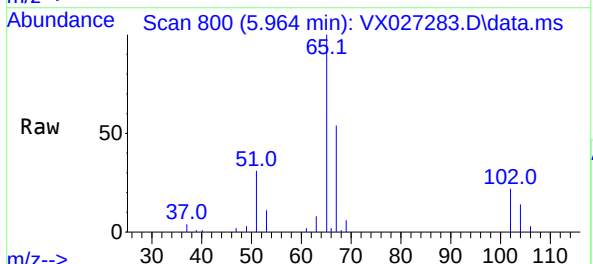
Instrument :
MSVOA_X
ClientSampleId :
TT-036-IDWGW-20220302

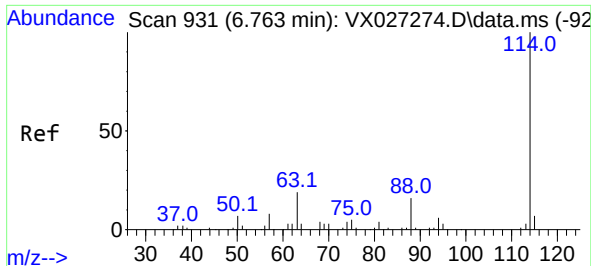
Tgt Ion: 76 Resp: 889
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#27
1,2-Dichloroethane-d4
Concen: 30.564 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

Tgt Ion: 65 Resp: 25819
Ion Ratio Lower Upper
65 100
67 51.6 42.3 63.5

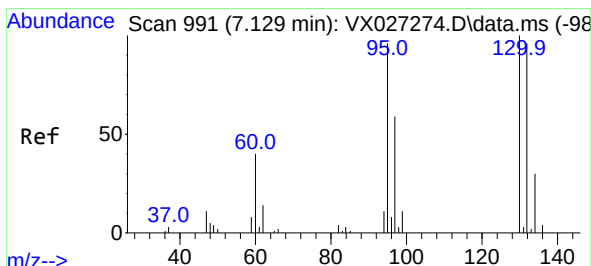
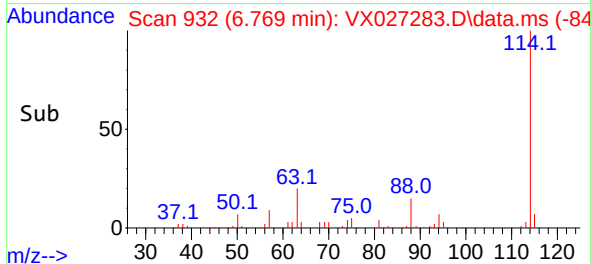
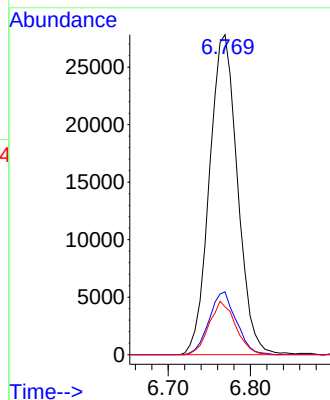
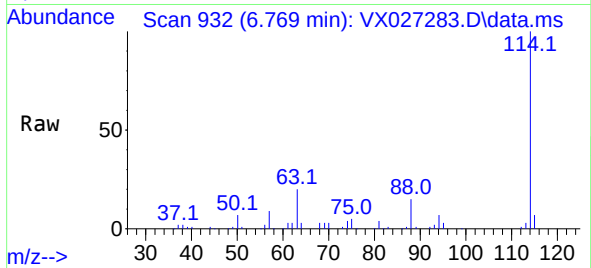




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

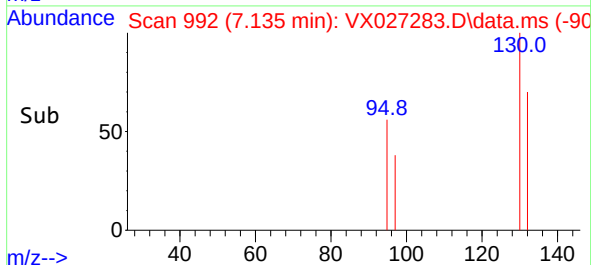
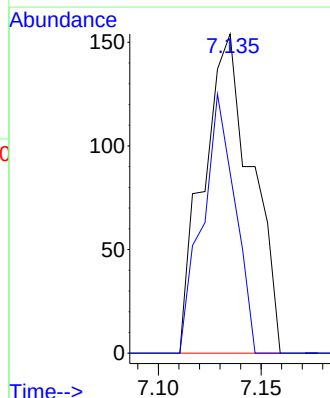
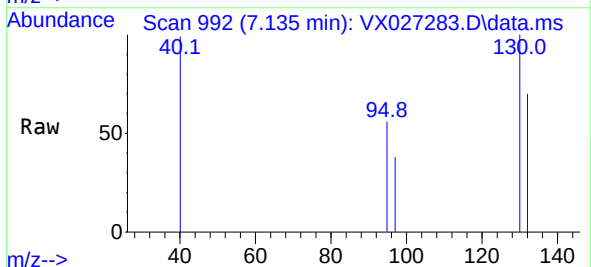
Instrument :
MSVOA_X
ClientSampleId :
TT-036-IDWGW-20220302

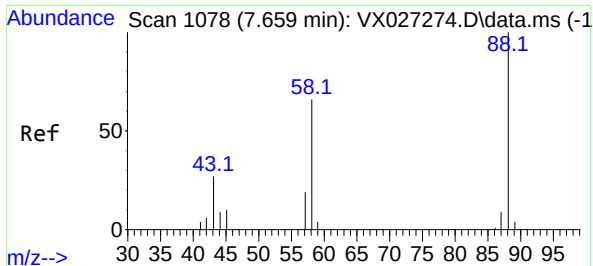
Tgt Ion:114 Resp: 65976
Ion Ratio Lower Upper
114 100
63 19.0 15.3 22.9
88 15.7 12.2 18.4



#37
Trichloroethene
Concen: 0.283 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

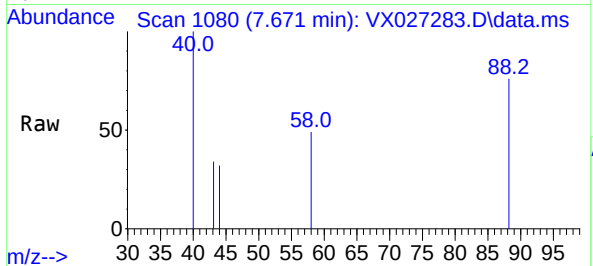
Tgt Ion:130 Resp: 252
Ion Ratio Lower Upper
130 100
95 56.5 76.5 114.7#



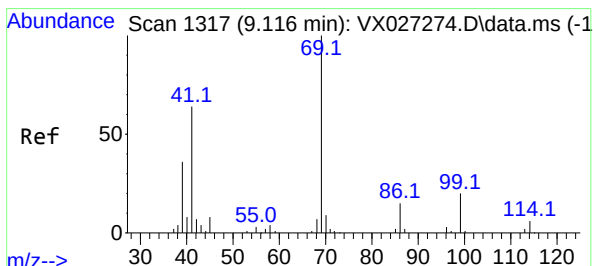
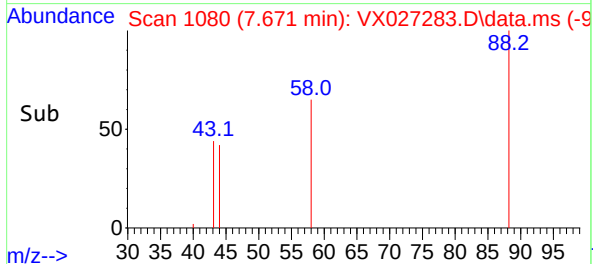
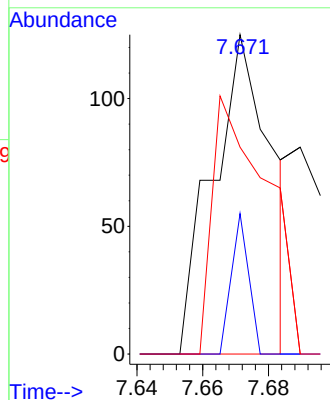


#45
1,4-Dioxane
Concen: 8.247 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

Instrument :
MSVOA_X
ClientSampleId :
TT-036-IDWGW-20220302

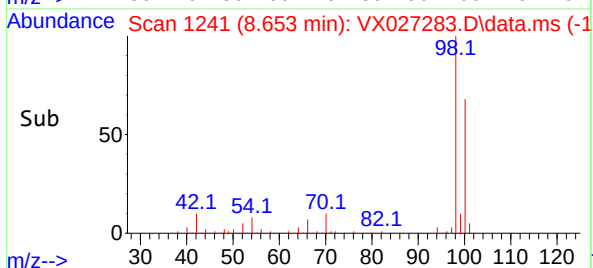
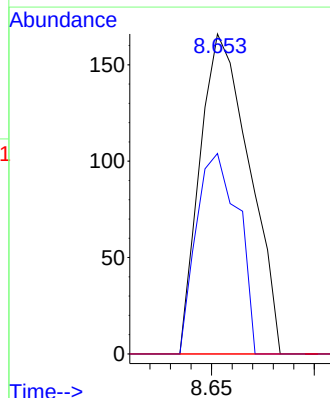
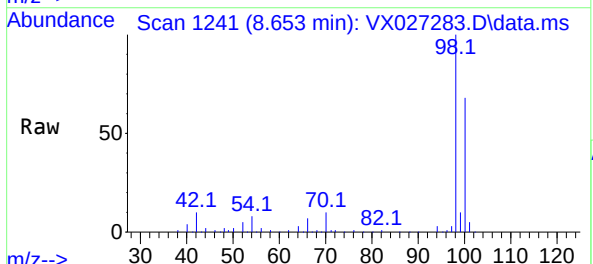


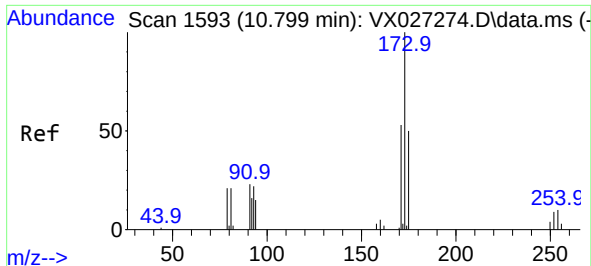
Tgt Ion: 88 Resp: 155
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 74.8 54.8 82.2



#51
Ethyl methacrylate
Concen: 0.233 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

Tgt Ion: 69 Resp: 278
Ion Ratio Lower Upper
69 100
41 62.7 32.1 96.5
39 0.0 18.3 54.9#

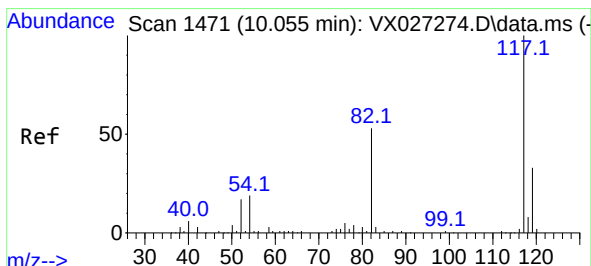
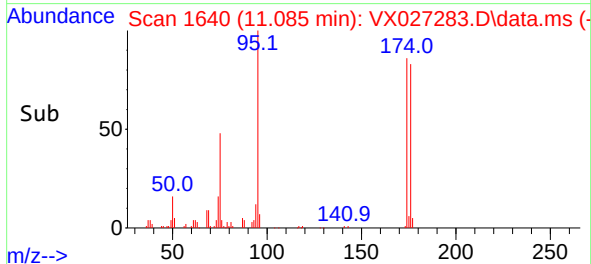
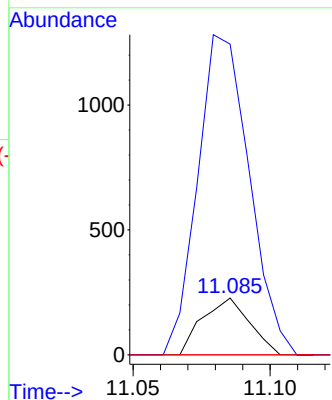
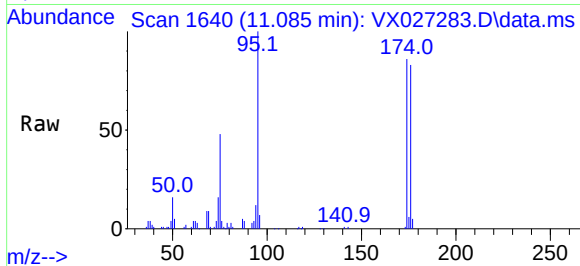




#56
Bromoform
Concen: 0.443 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

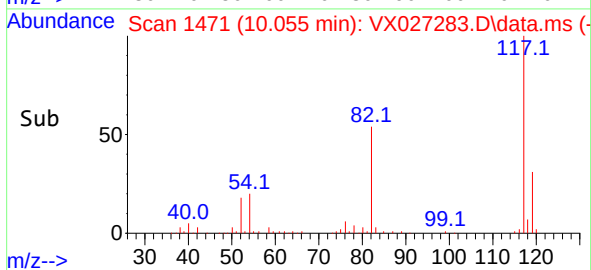
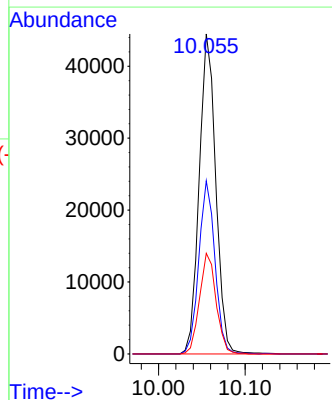
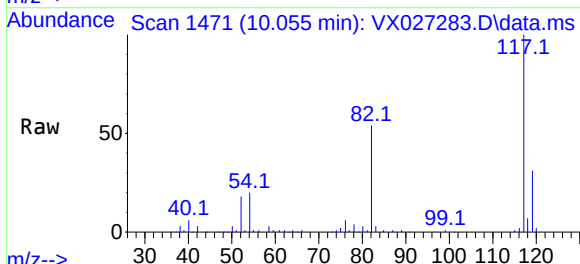
Instrument :
MSVOA_X
ClientSampleId :
TT-036-IDWGW-20220302

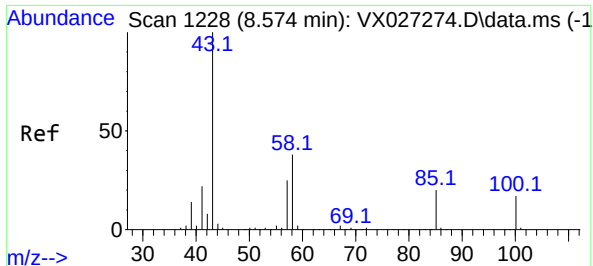
Tgt Ion:173 Resp: 272
Ion Ratio Lower Upper
173 100
175 616.5 40.3 60.5#
254 0.0 7.4 11.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

Tgt Ion:117 Resp: 59253
Ion Ratio Lower Upper
117 100
82 52.5 42.3 63.5
119 31.4 26.2 39.2





#58

4-Methyl-2-Pentanone

Concen: 0.307 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX027283.D

Acq: 03 Mar 2022 21:00

Instrument :

MSVOA_X

ClientSampleId :

TT-036-IDWGW-20220302

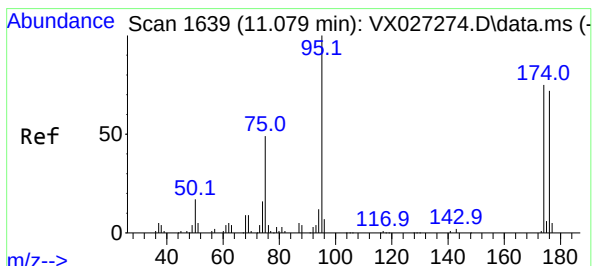
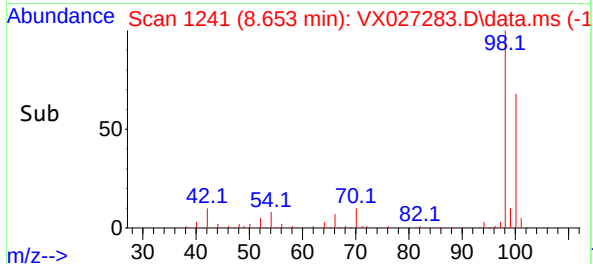
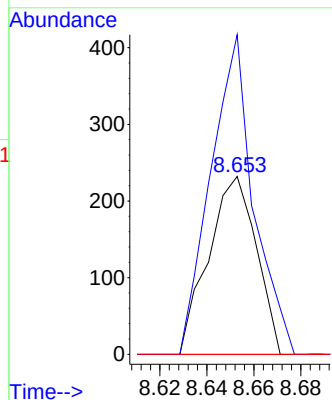
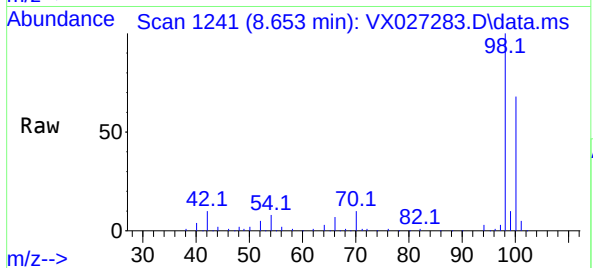
Tgt Ion: 43 Resp: 329

Ion Ratio Lower Upper

43 100

58 161.1 31.8 47.6#

85 0.0 15.8 23.6#



#60

4-Bromofluorobenzene

Concen: 27.641 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX027283.D

Acq: 03 Mar 2022 21:00

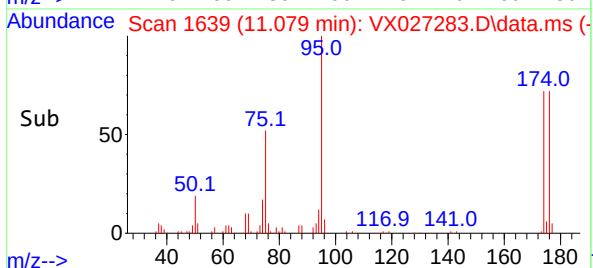
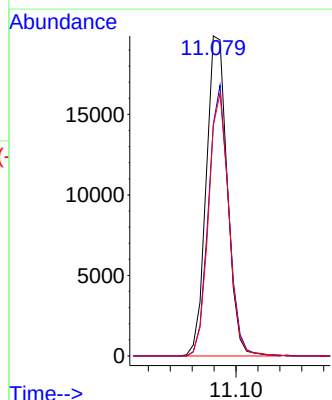
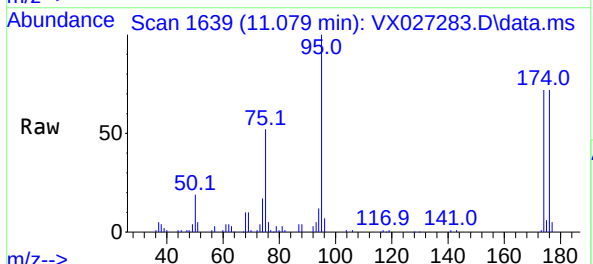
Tgt Ion: 95 Resp: 26533

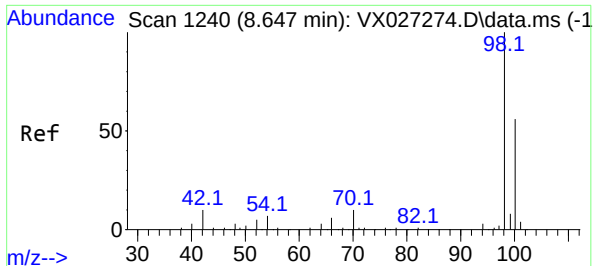
Ion Ratio Lower Upper

95 100

174 80.9 65.4 98.2

176 79.0 63.4 95.0

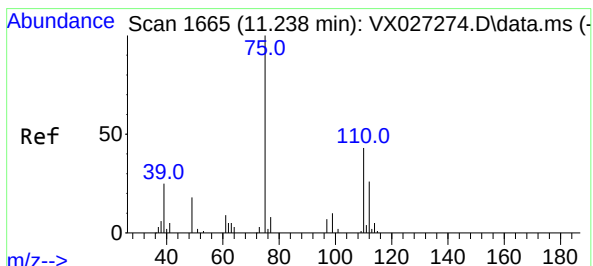
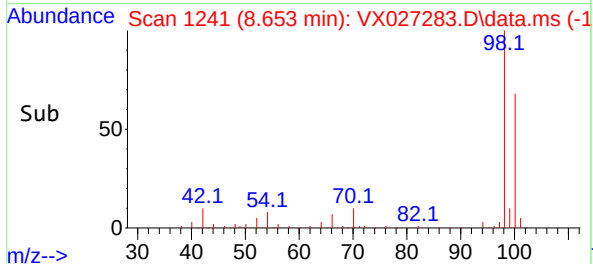
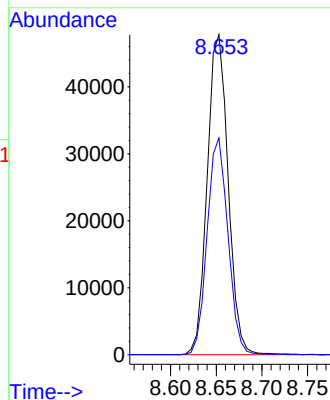
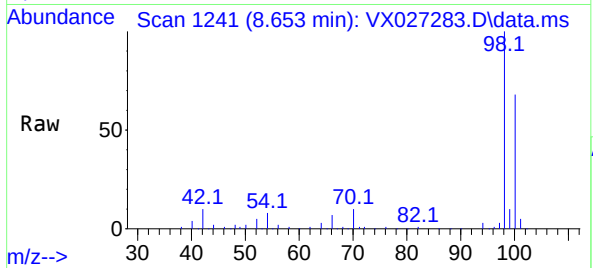




#63
Toluene-d8
Concen: 29.341 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

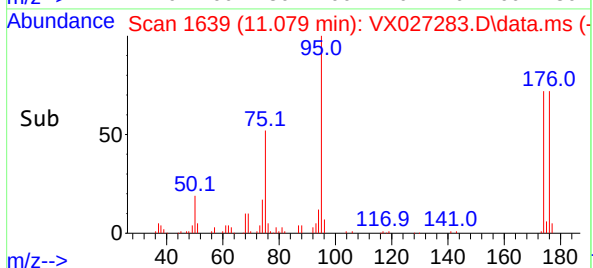
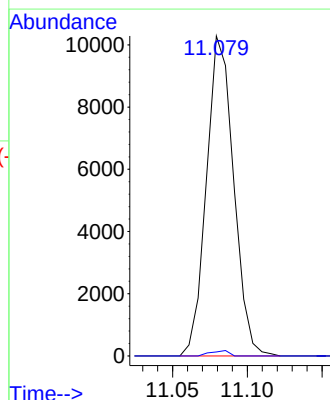
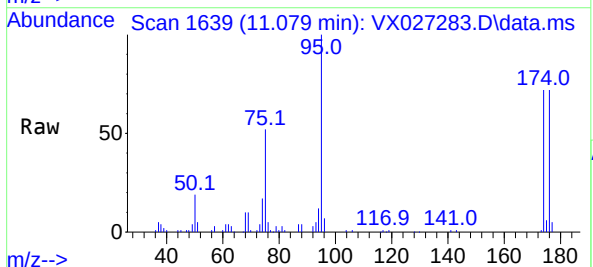
Instrument :
MSVOA_X
ClientSampleId :
TT-036-IDWGW-20220302

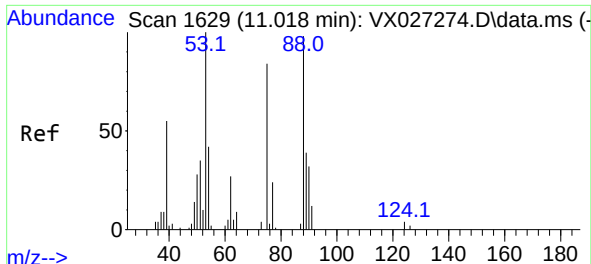
Tgt Ion: 98 Resp: 76002
Ion Ratio Lower Upper
98 100
100 67.2 51.4 77.2



#72
1,2,3-Trichloropropane
Concen: 12.514 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

Tgt Ion: 75 Resp: 13013
Ion Ratio Lower Upper
75 100
77 1.1 0.0 78.6

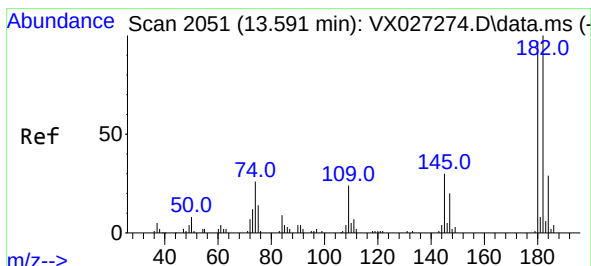
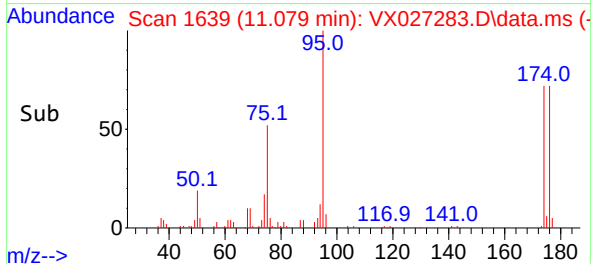
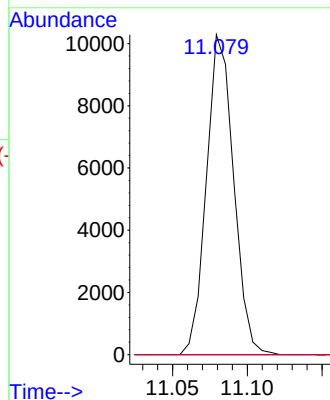
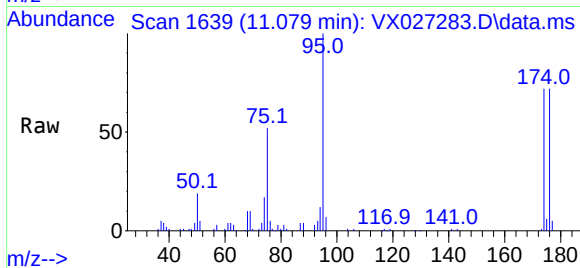




#77
t-1,4-Dichloro-2-butene
Concen: 42.242 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

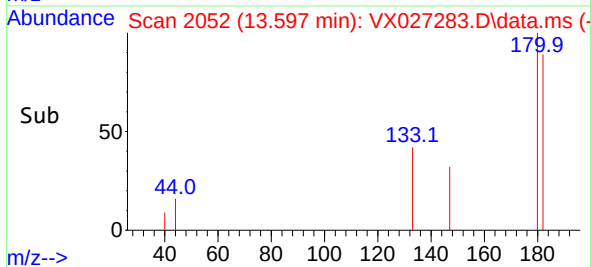
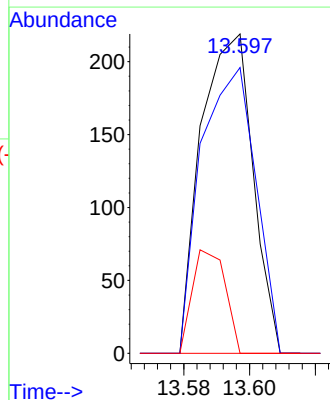
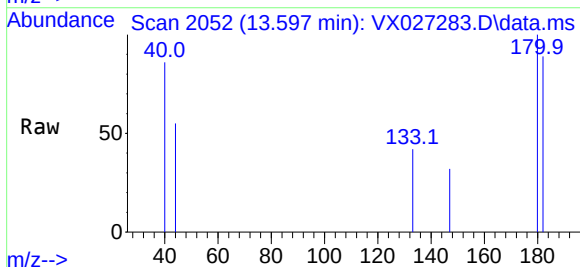
Instrument :
MSVOA_X
ClientSampleId :
TT-036-IDWGW-20220302

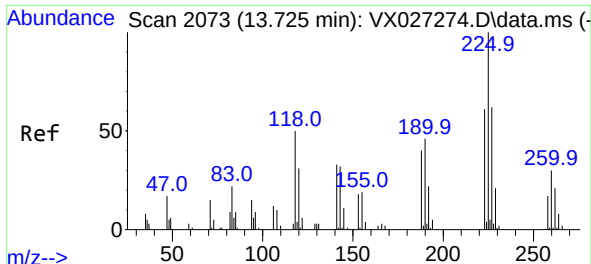
Tgt Ion: 75 Resp: 13013
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#



#89
1,2,4-Trichlorobenzene
Concen: 0.222 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

Tgt Ion:180 Resp: 240
Ion Ratio Lower Upper
180 100
182 93.8 77.4 116.2
145 20.4 24.2 36.4#

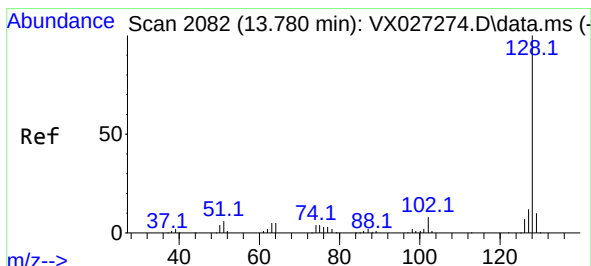
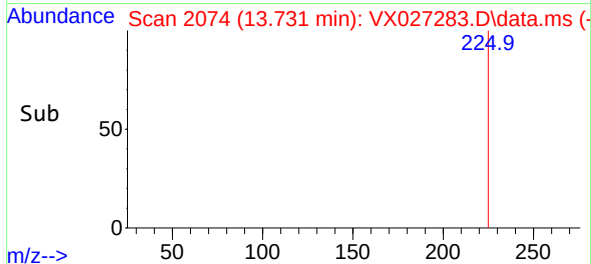
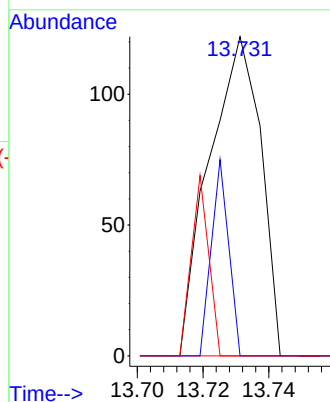
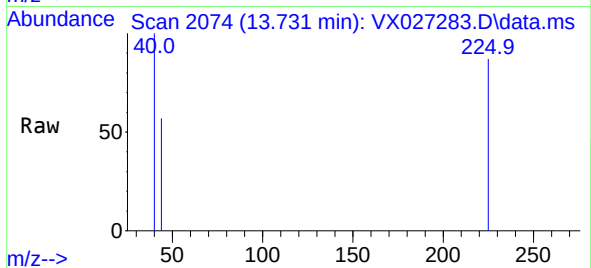




#90
Hexachlorobutadiene
Concen: 0.292 ug/l
RT: 13.731 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

Instrument :
MSVOA_X
ClientSampleId :
TT-036-IDWGW-20220302

Tgt Ion:	225	Resp:	133
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	126.0
227	0.0	0.0	125.0



#91
Naphthalene
Concen: 0.292 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX027283.D
Acq: 03 Mar 2022 21:00

Tgt Ion:	128	Resp:	1054
Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.0	15.0
129	5.6	8.8	13.2

