

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030322\
 Data File : VX027285.D
 Acq On : 03 Mar 2022 21:47
 Operator : JC/MD
 Sample : N1769-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-037-IDWGW-20220302

Quant Time: Mar 04 02:42:25 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)

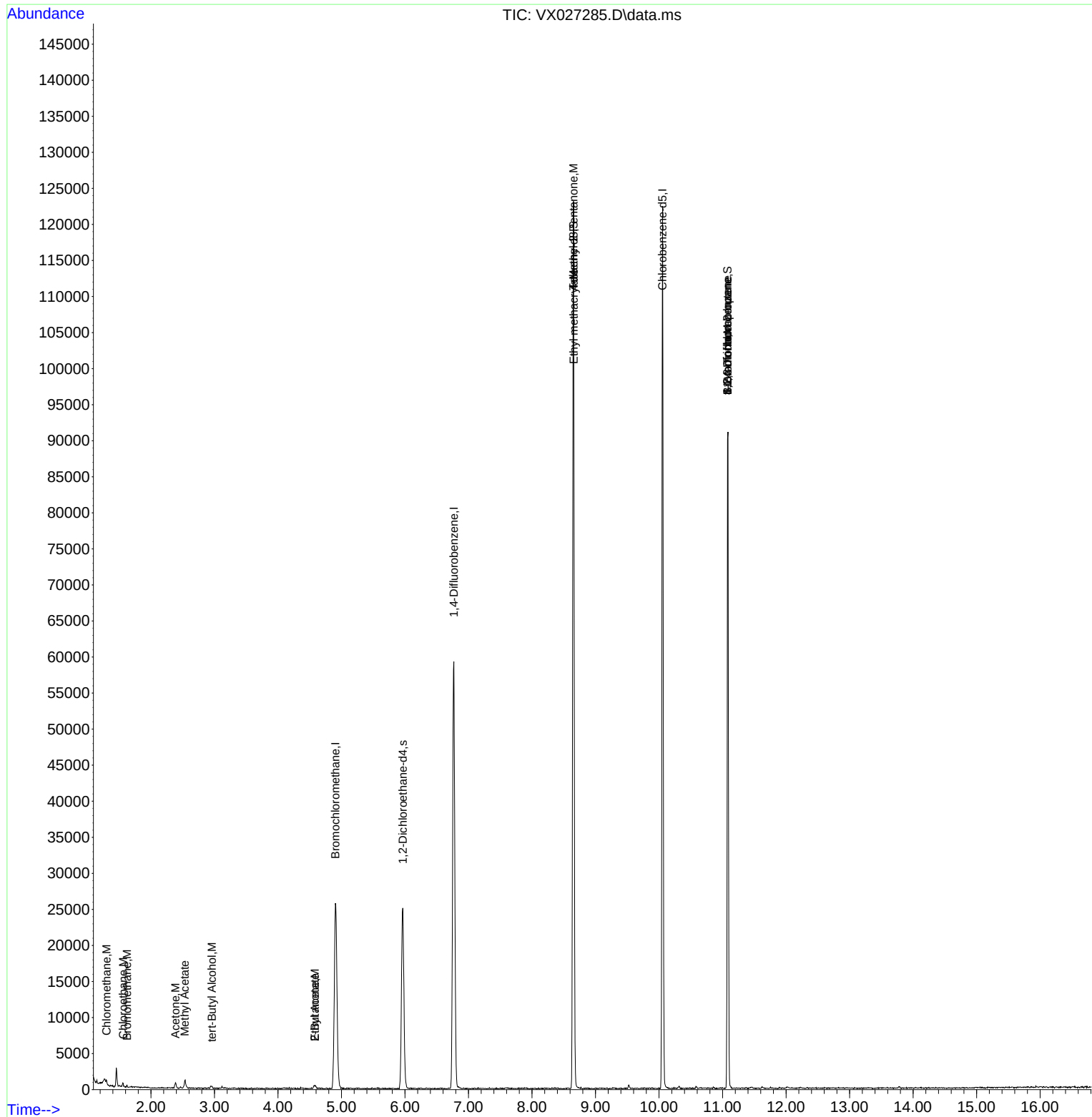
Internal Standards						
1) Bromochloromethane	4.903	128	11959	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	63935	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	56335	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	25020	30.220	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.733%			
60) 4-Bromofluorobenzene	11.079	95	25595	28.045	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.500%			
63) Toluene-d8	8.653	98	74088	30.083	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.267%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	282	0.458	ug/l	95
5) Bromomethane	1.624	94	91	0.287	ug/l	86
6) Chloroethane	1.563	64	89	0.255	ug/l #	42
12) Methyl Acetate	2.532	43	307	0.345	ug/l #	47
15) Acetone	2.386	58	263	2.280	ug/l #	22
23) tert-Butyl Alcohol	2.959	59	106	0.666	ug/l #	100
30) 2-Butanone	4.580	43	319	0.578	ug/l #	54
43) Ethyl Acetate	4.580	43	319	0.305	ug/l #	64
51) Ethyl methacrylate	8.659	69	260	0.225	ug/l #	72
56) Bromoform	11.079	173	195	0.327	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	285	0.280	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	12496	12.639	ug/l	37
77) t-1,4-Dichloro-2-butene	11.079	75	12496	42.665	ug/l #	3

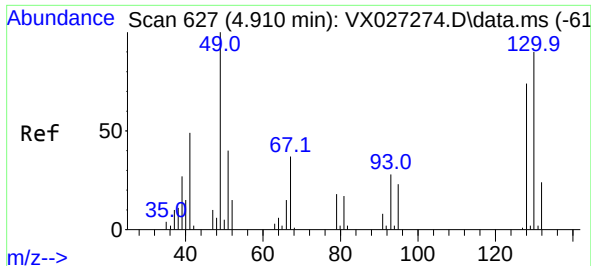
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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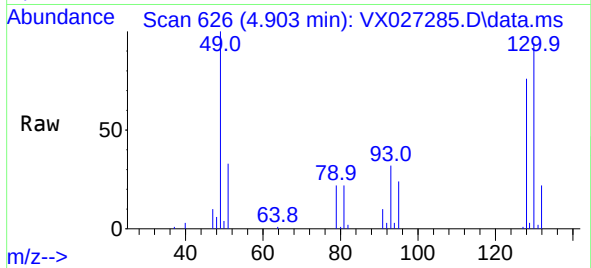
Quant Time: Mar 04 02:42:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 04 01:00:22 2022
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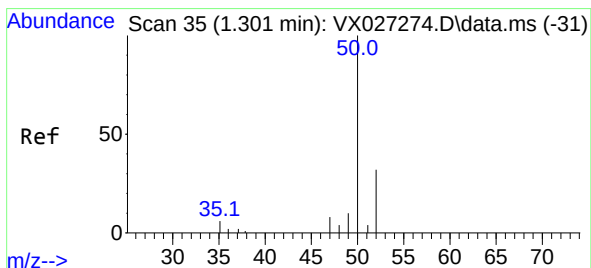
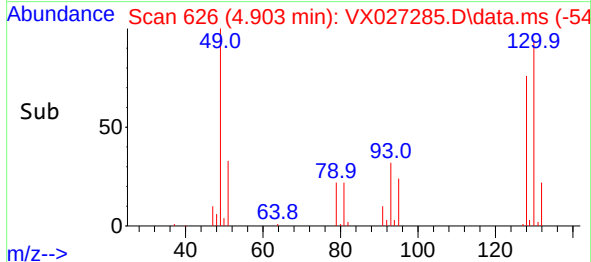
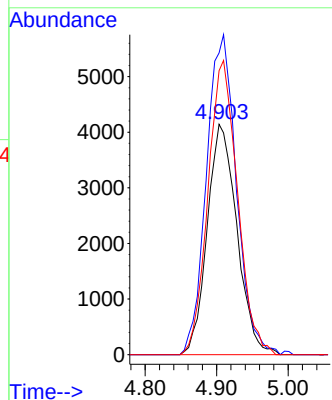


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX027285.D
Acq: 03 Mar 2022 21:47

Instrument :
MSVOA_X
ClientSampleId :
TT-037-IDWGW-20220302

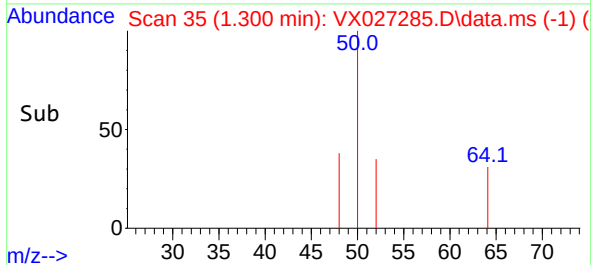
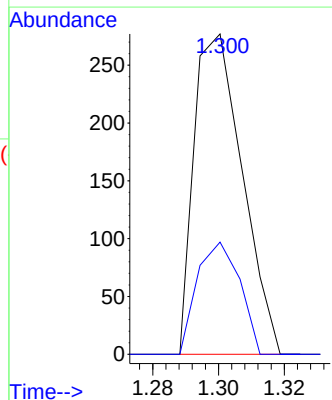
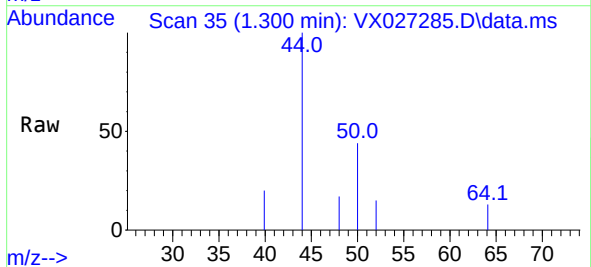


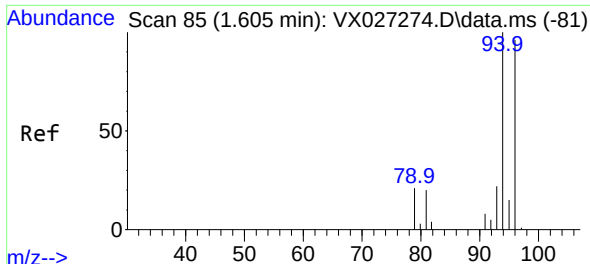
Tgt Ion:128 Resp: 11959
Ion Ratio Lower Upper
128 100
49 140.1 0.0 358.3
130 127.0 0.0 319.3



#3
Chloromethane
Concen: 0.458 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX027285.D
Acq: 03 Mar 2022 21:47

Tgt Ion: 50 Resp: 282
Ion Ratio Lower Upper
50 100
52 35.0 25.6 38.4

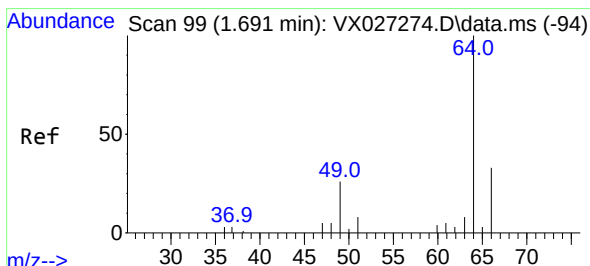
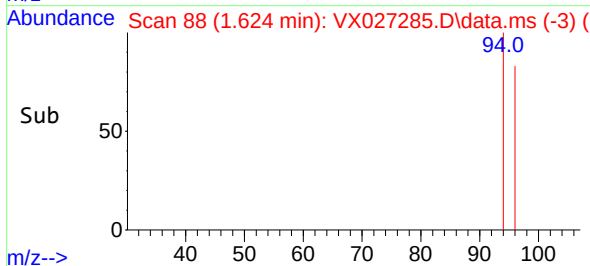
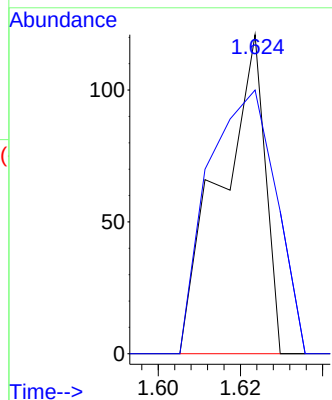
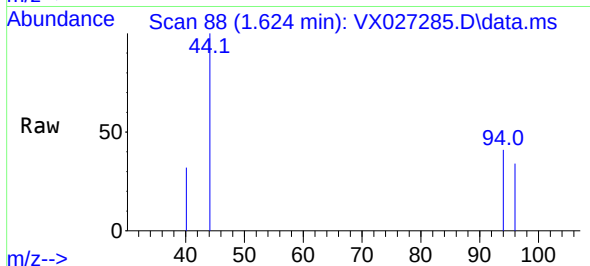




#5
Bromomethane
Concen: 0.287 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX027285.D
Acq: 03 Mar 2022 21:47

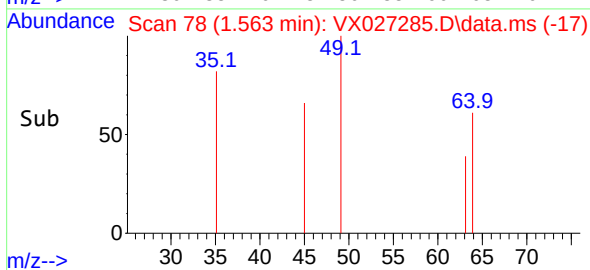
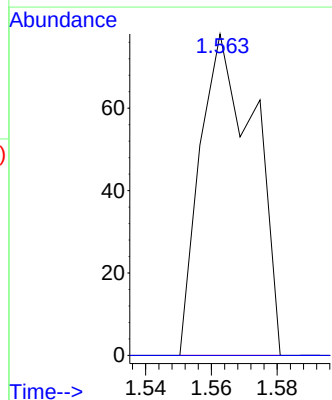
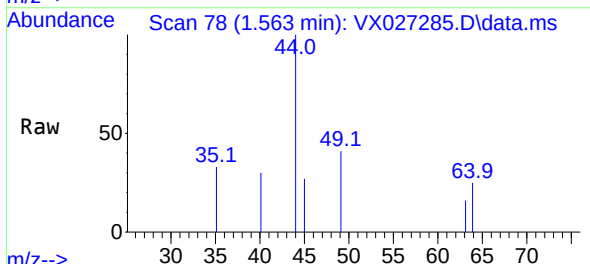
Instrument :
MSVOA_X
ClientSampleId :
TT-037-IDWGW-20220302

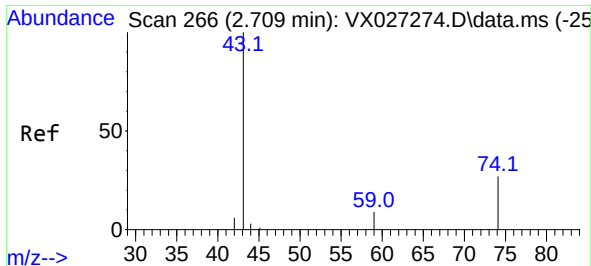
Tgt Ion: 94 Resp: 91
Ion Ratio Lower Upper
94 100
96 82.6 77.0 115.6



#6
Chloroethane
Concen: 0.255 ug/l
RT: 1.563 min Scan# 78
Delta R.T. -0.128 min
Lab File: VX027285.D
Acq: 03 Mar 2022 21:47

Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

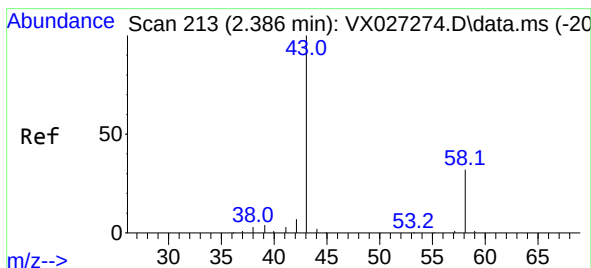
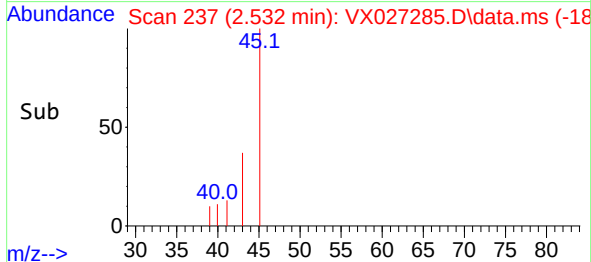
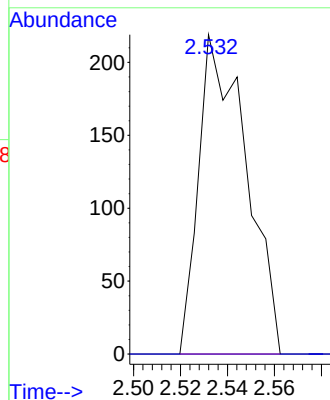
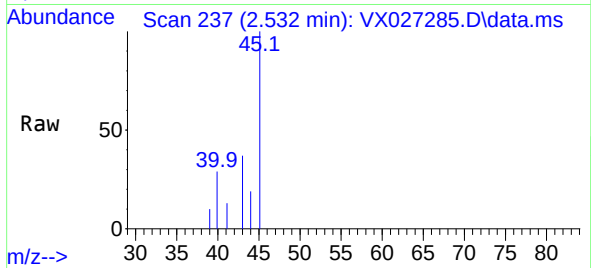




#12
Methyl Acetate
Concen: 0.345 ug/l
RT: 2.532 min Scan# 213
Delta R.T. -0.177 min
Lab File: VX027285.D
Acq: 03 Mar 2022 21:47

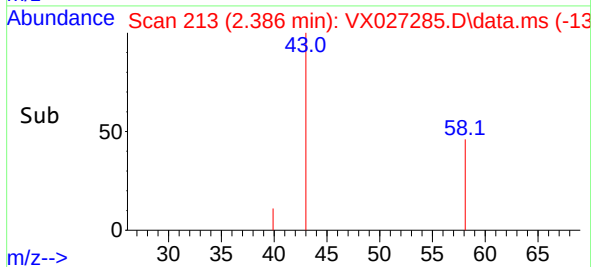
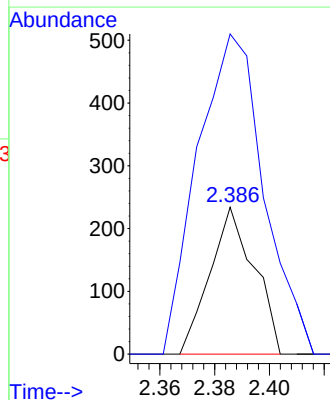
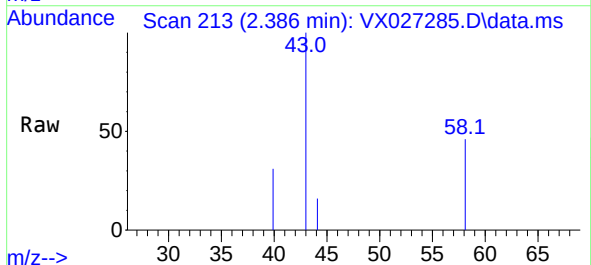
Instrument :
MSVOA_X
ClientSampleId :
TT-037-IDWGW-20220302

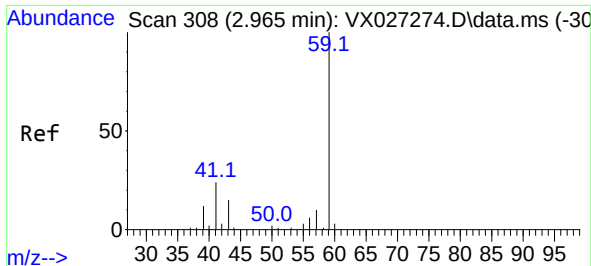
Tgt Ion: 43 Resp: 307
Ion Ratio Lower Upper
43 100
74 0.0 22.1 33.1#



#15
Acetone
Concen: 2.280 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX027285.D
Acq: 03 Mar 2022 21:47

Tgt Ion: 58 Resp: 263
Ion Ratio Lower Upper
58 100
43 156.0 250.2 375.2#

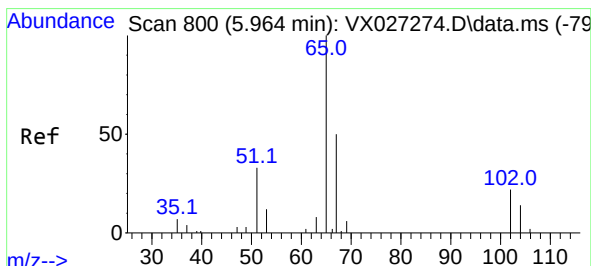
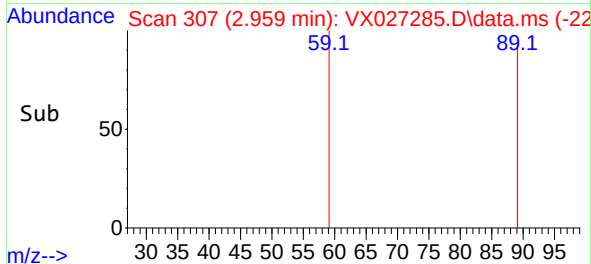
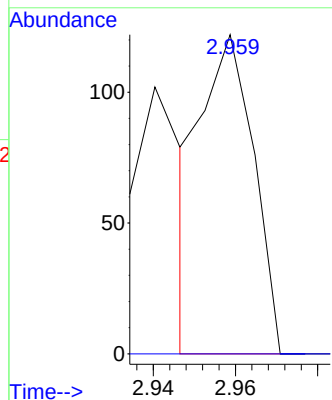
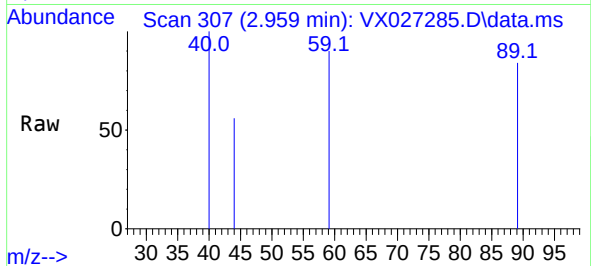




#23
tert-Butyl Alcohol
Concen: 0.666 ug/l
RT: 2.959 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX027285.D
Acq: 03 Mar 2022 21:47

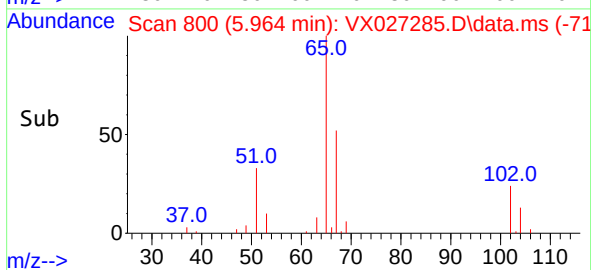
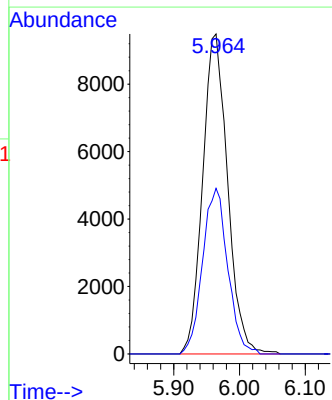
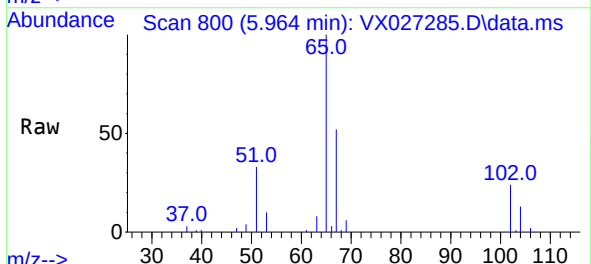
Instrument :
MSVOA_X
ClientSampleId :
TT-037-IDWGW-20220302

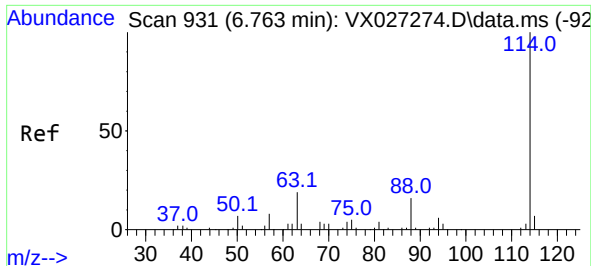
Tgt Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.220 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX027285.D
Acq: 03 Mar 2022 21:47

Tgt Ion: 65 Resp: 25020
Ion Ratio Lower Upper
65 100
67 52.1 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX027285.D

Acq: 03 Mar 2022 21:47

Instrument :

MSVOA_X

ClientSampleId :

TT-037-IDWGW-20220302

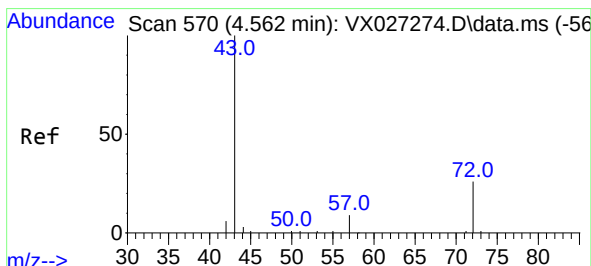
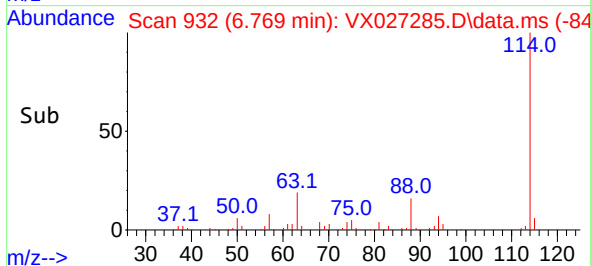
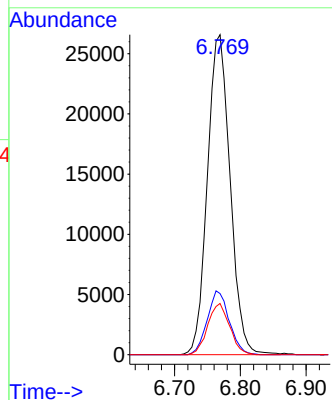
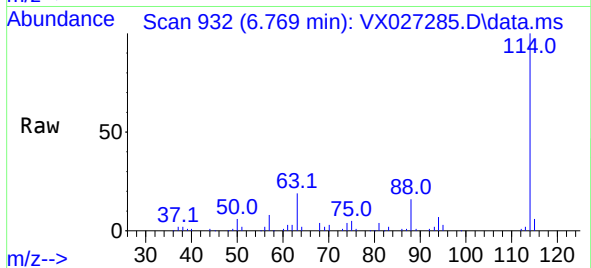
Tgt Ion:114 Resp: 63935

Ion Ratio Lower Upper

114 100

63 19.3 15.3 22.9

88 15.5 12.2 18.4



#30

2-Butanone

Concen: 0.578 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX027285.D

Acq: 03 Mar 2022 21:47

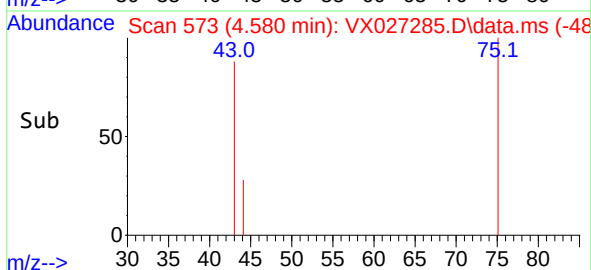
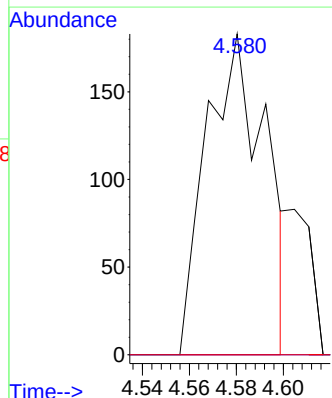
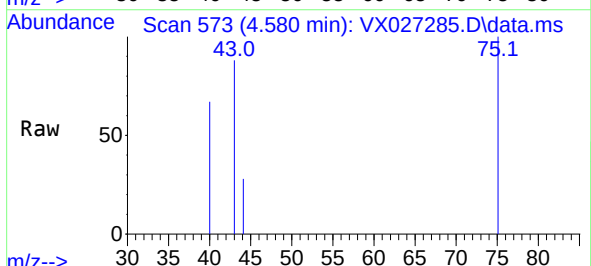
Tgt Ion: 43 Resp: 319

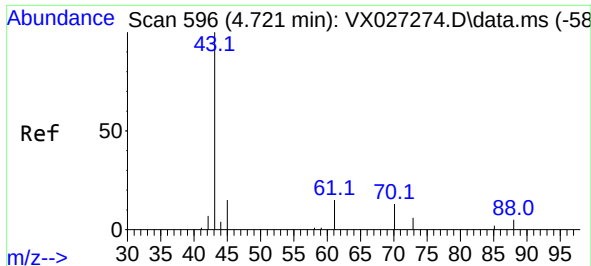
Ion Ratio Lower Upper

43 100

57 0.0 6.6 10.0#

72 0.0 22.1 33.1#





#43

Ethyl Acetate

Concen: 0.305 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX027285.D

Acq: 03 Mar 2022 21:47

Instrument :

MSVOA_X

ClientSampleId :

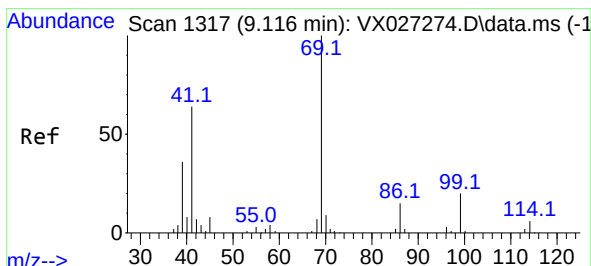
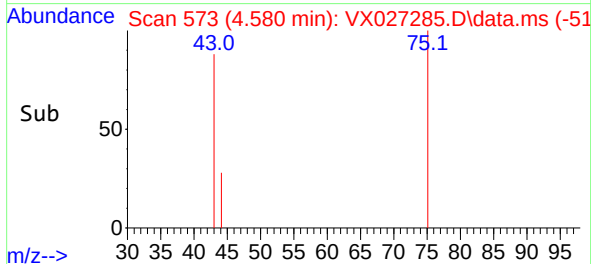
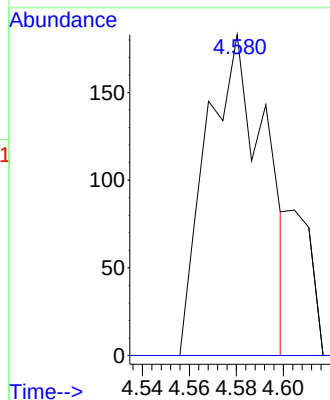
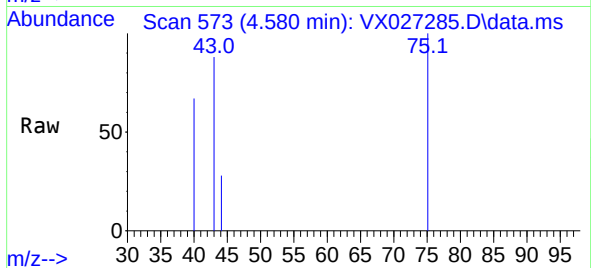
TT-037-IDWGW-20220302

Tgt Ion: 43 Resp: 319

Ion Ratio Lower Upper

43 100

45 0.0 11.8 17.6#



#51

Ethyl methacrylate

Concen: 0.225 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. -0.457 min

Lab File: VX027285.D

Acq: 03 Mar 2022 21:47

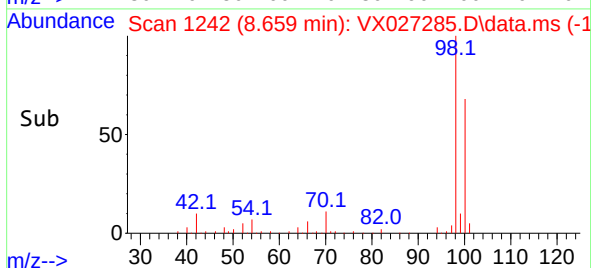
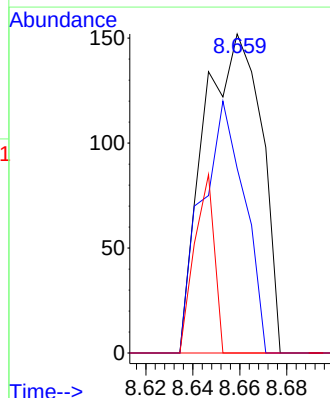
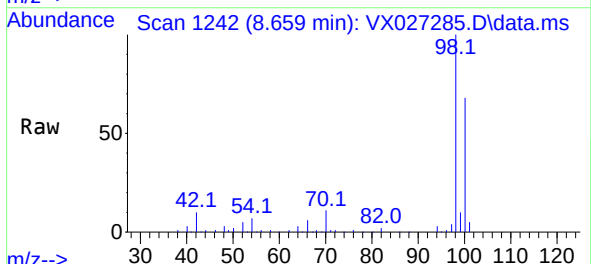
Tgt Ion: 69 Resp: 260

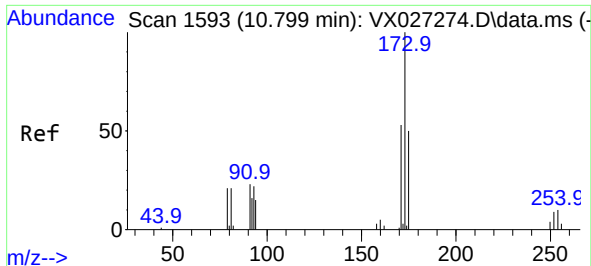
Ion Ratio Lower Upper

69 100

41 57.9 32.1 96.5

39 0.0 18.3 54.9#

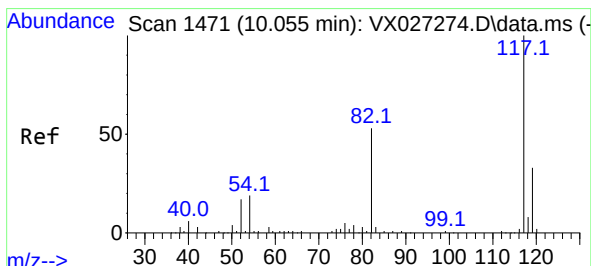
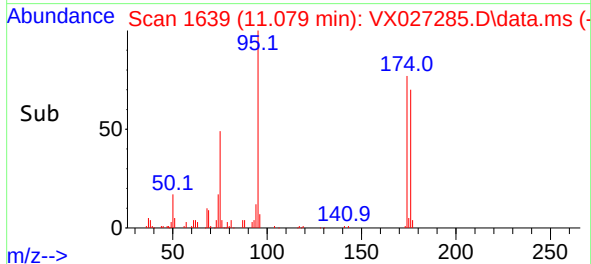
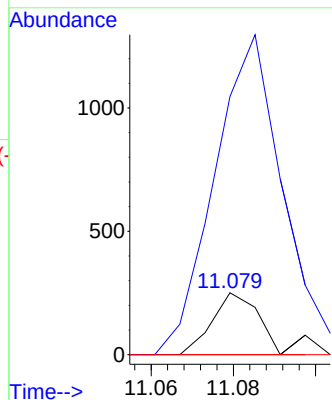
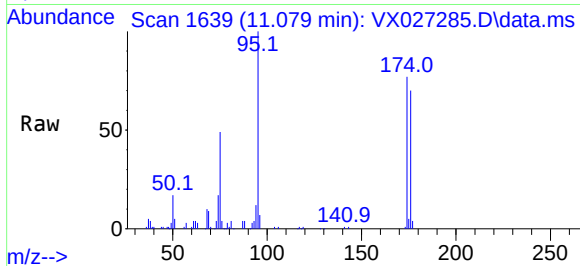




#56
Bromoform
Concen: 0.327 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX027285.D
Acq: 03 Mar 2022 21:47

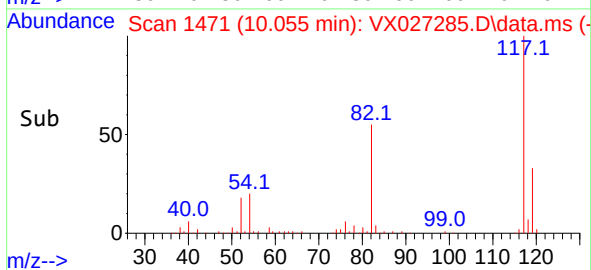
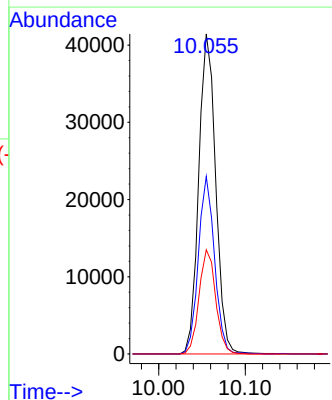
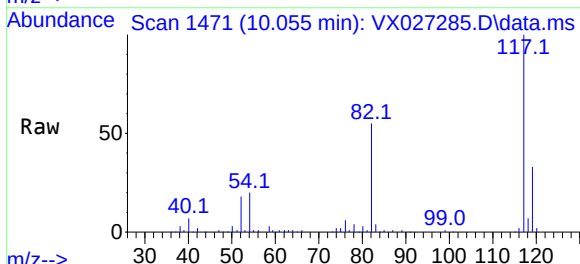
Instrument :
MSVOA_X
ClientSampleId :
TT-037-IDWGW-20220302

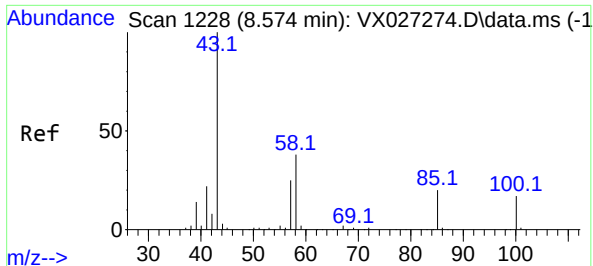
Tgt Ion:173 Resp: 195
Ion Ratio Lower Upper
173 100
175 765.1 40.3 60.5#
254 0.0 7.4 11.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027285.D
Acq: 03 Mar 2022 21:47

Tgt Ion:117 Resp: 56335
Ion Ratio Lower Upper
117 100
82 53.1 42.3 63.5
119 32.0 26.2 39.2





#58

4-Methyl-2-Pentanone

Concen: 0.280 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX027285.D

Acq: 03 Mar 2022 21:47

Instrument :

MSVOA_X

ClientSampleId :

TT-037-IDWGW-20220302

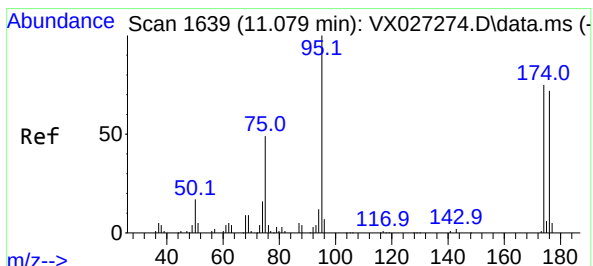
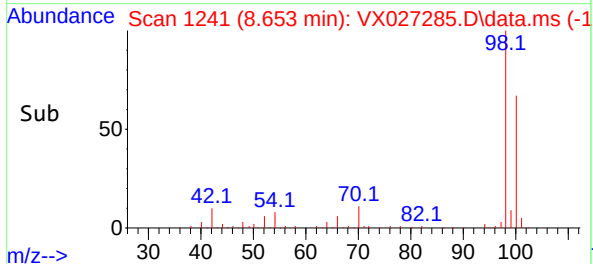
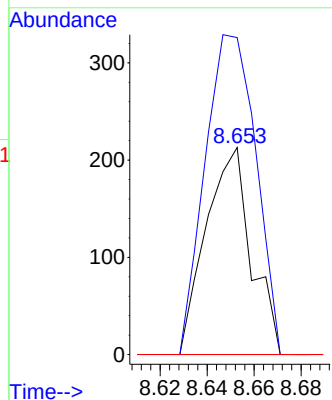
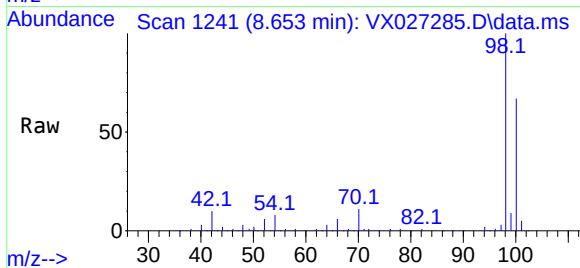
Tgt Ion: 43 Resp: 285

Ion Ratio Lower Upper

43 100

58 174.0 31.8 47.6#

85 0.0 15.8 23.6#



#60

4-Bromofluorobenzene

Concen: 28.045 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX027285.D

Acq: 03 Mar 2022 21:47

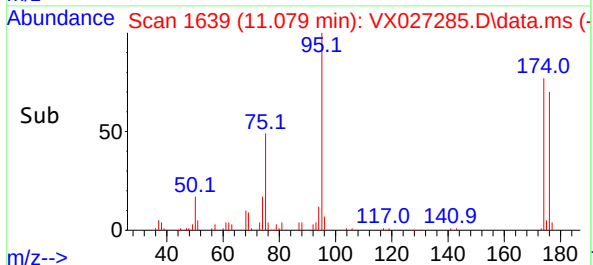
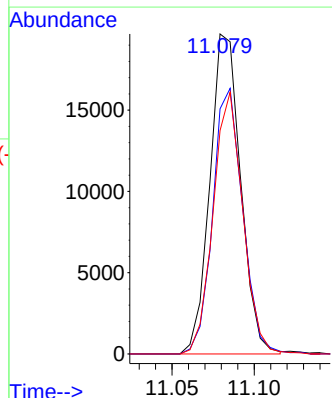
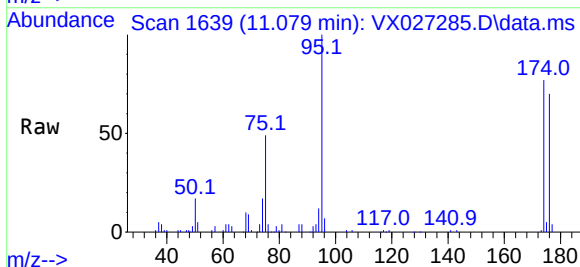
Tgt Ion: 95 Resp: 25595

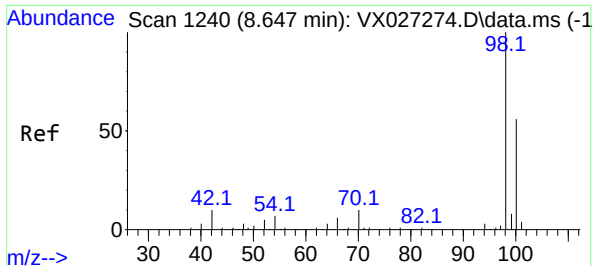
Ion Ratio Lower Upper

95 100

174 81.0 65.4 98.2

176 78.8 63.4 95.0

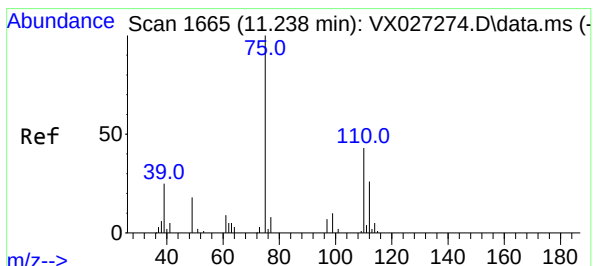
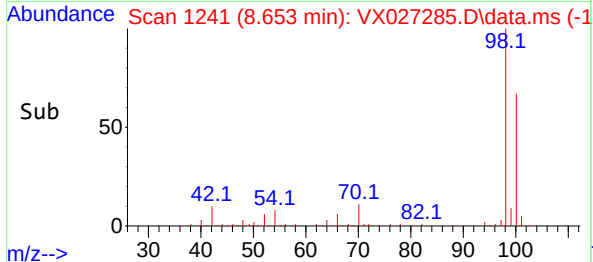
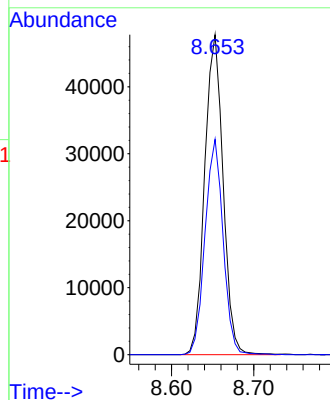
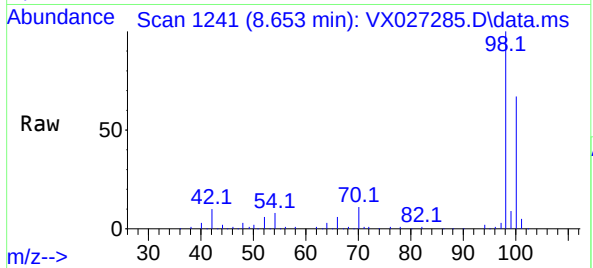




#63
Toluene-d8
Concen: 30.083 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027285.D
Acq: 03 Mar 2022 21:47

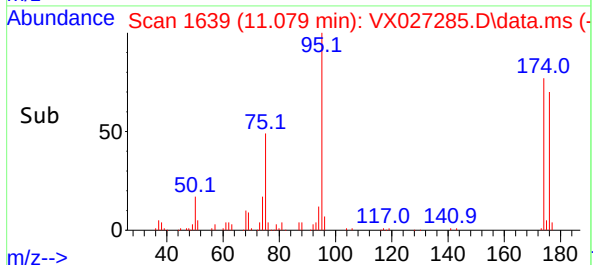
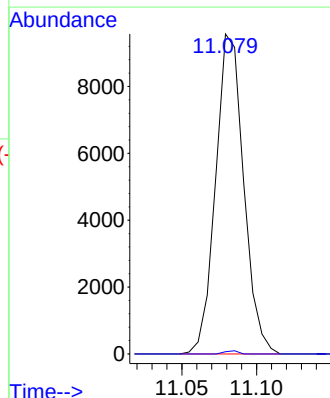
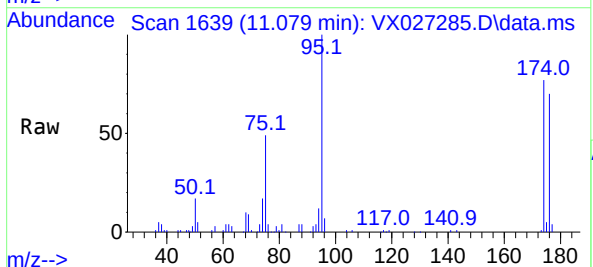
Instrument :
MSVOA_X
ClientSampleId :
TT-037-IDWGW-20220302

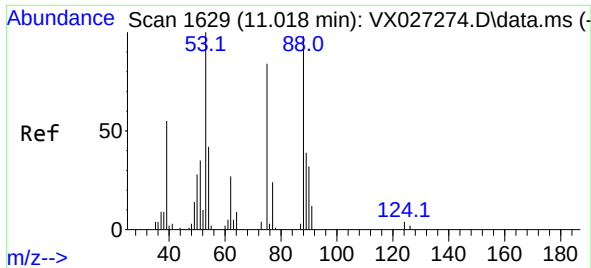
Tgt Ion: 98 Resp: 74088
Ion Ratio Lower Upper
98 100
100 66.1 51.4 77.2



#72
1,2,3-Trichloropropane
Concen: 12.639 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX027285.D
Acq: 03 Mar 2022 21:47

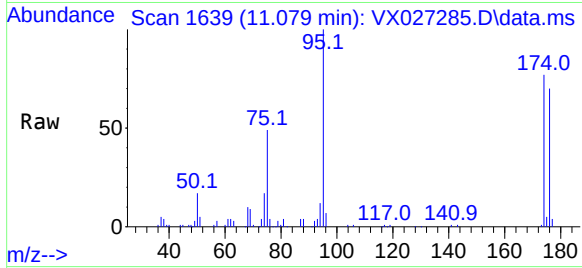
Tgt Ion: 75 Resp: 12496
Ion Ratio Lower Upper
75 100
77 0.5 0.0 78.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 42.665 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX027285.D
 Acq: 03 Mar 2022 21:47

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-037-IDWGW-20220302



Tgt Ion:	75	Resp:	12496
Ion	Ratio	Lower	Upper
75	100		
53	0.0	59.7	179.1#
89	0.0	23.1	69.2#

