

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050522\
 Data File : VX028534.D
 Acq On : 05 May 2022 15:14
 Operator : JC/MD
 Sample : N2646-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-042-IDWGW-20220429

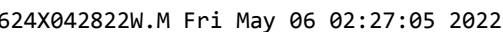
Quant Time: May 06 02:26:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 29 06:09:36 2022
 Response via : Initial Calibration

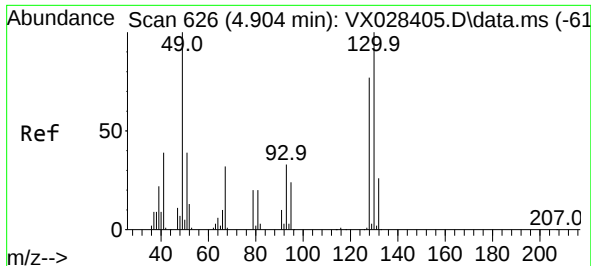
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.904	128	53466	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	291667	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	258076	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	108972	32.048	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 106.833%	
60) 4-Bromofluorobenzene	11.079	95	109501	27.283	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 90.933%	
63) Toluene-d8	8.653	98	338524	30.964	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.200%	
Target Compounds						Qvalue
3) Chloromethane	1.295	50	607	0.407	ug/l	# 85
5) Bromomethane	1.618	94	1264	0.809	ug/l	86
11) Methyl Iodide	2.465	142	1807	0.667	ug/l	87
13) Acrolein	2.240	56	214	0.328	ug/l	91
14) Acrylonitrile	3.081	53	306	0.209	ug/l	# 49
15) Acetone	2.380	58	1001	2.413	ug/l	86
16) Carbon Disulfide	2.514	76	1139	0.478	ug/l	# 61
18) Methylene Chloride	2.788	84	610	0.236	ug/l	# 88
23) tert-Butyl Alcohol	2.934	59	647	0.818	ug/l	# 100
30) 2-Butanone	4.556	43	719	0.368	ug/l	# 67
37) Trichloroethene	7.129	130	1351	0.446	ug/l	# 71
45) 1,4-Dioxane	7.671	88	783	10.193	ug/l	# 77
51) Ethyl methacrylate	8.659	69	1051	0.234	ug/l	84
77) t-1,4-Dichloro-2-butene	11.079	75	55067	43.039	ug/l	# 3
89) 1,2,4-Trichlorobenzene	13.963	180	1066	0.240	ug/l	98
90) Hexachlorobutadiene	13.725	225	982	0.521	ug/l	96
91) Naphthalene	13.780	128	3145	0.202	ug/l	# 92
92) 1,2,3-Trichlorobenzene	13.963	180	1066	0.239	ug/l	96

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

Quant Time: May 06 02:26:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 29 06:09:36 2022
Response via : Initial Calibration

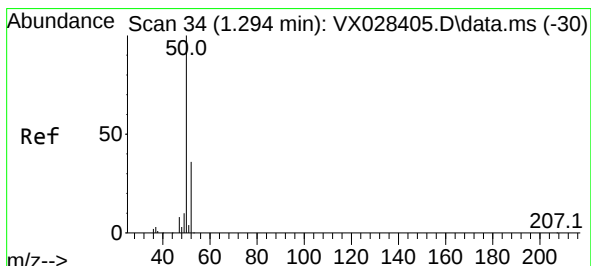
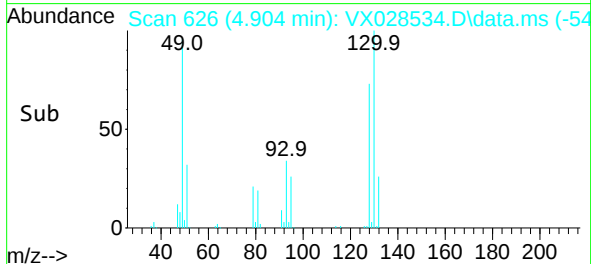
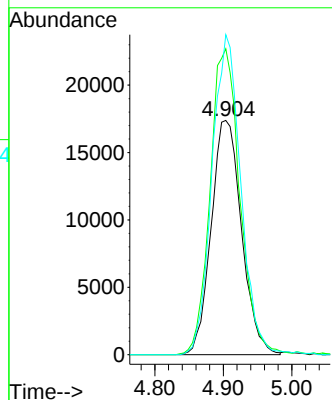
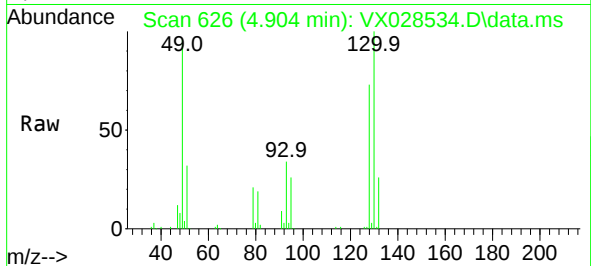




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

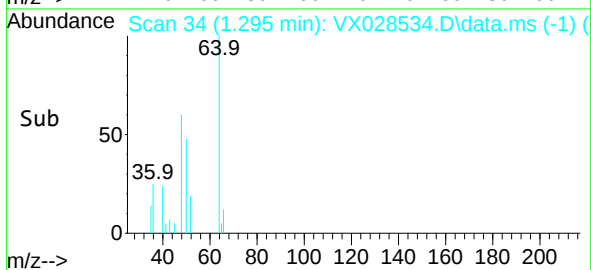
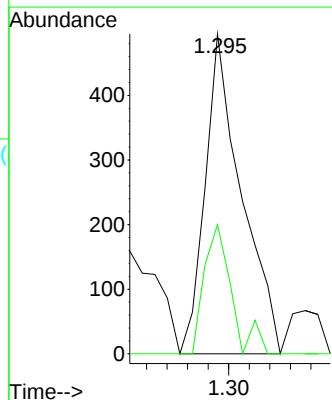
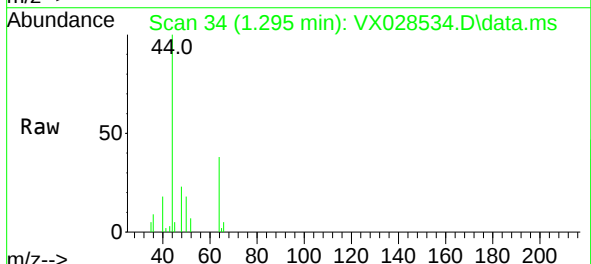
Instrument :
MSVOA_X
ClientSampleId :
TT-042-IDWGW-20220429

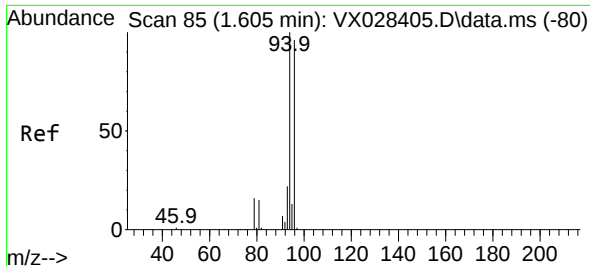
Tgt Ion:	128	Resp:	53466
Ion	Ratio	Lower	Upper
128	100		
49	128.2	0.0	358.3
130	129.3	0.0	319.3



#3
Chloromethane
Concen: 0.407 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

Tgt Ion:	50	Resp:	607
Ion	Ratio	Lower	Upper
50	100		
52	40.4	25.6	38.4#

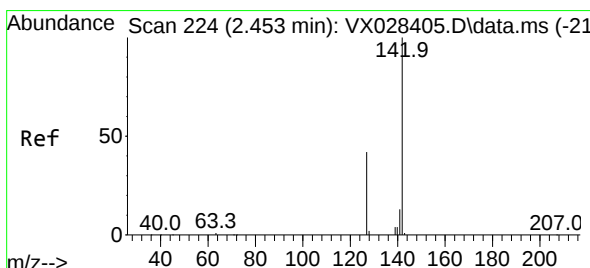
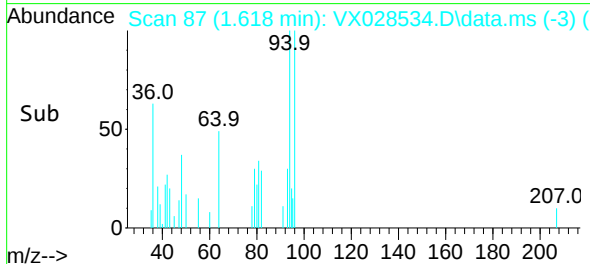
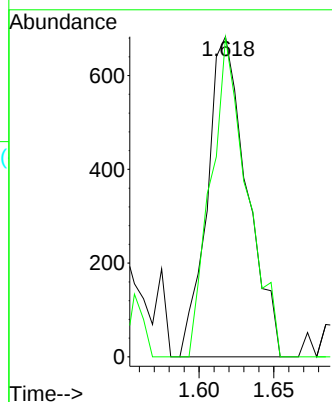
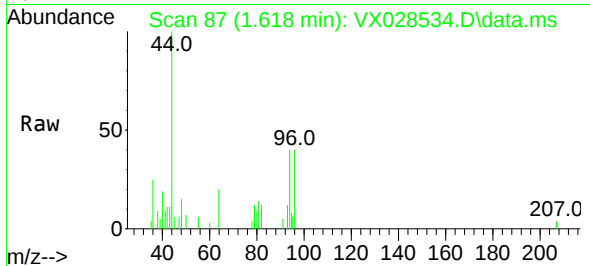




#5
Bromomethane
Concen: 0.809 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

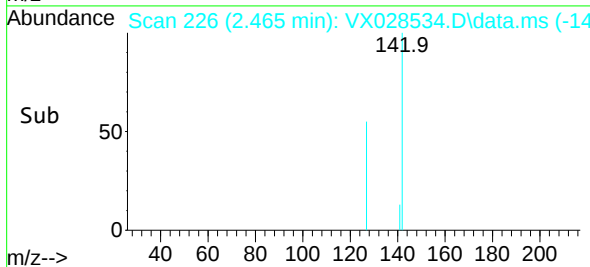
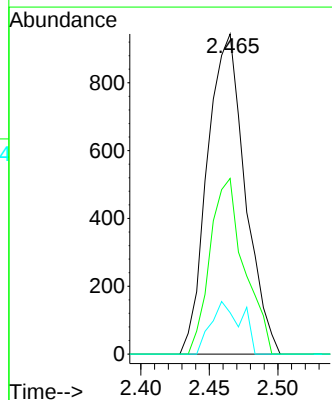
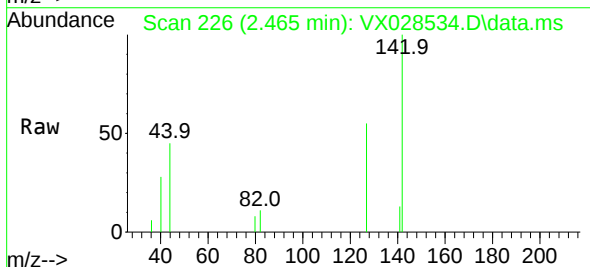
Instrument :
MSVOA_X
ClientSampleId :
TT-042-IDWGW-20220429

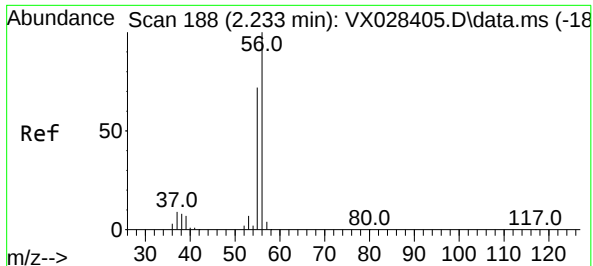
Tgt Ion: 94 Resp: 1264
Ion Ratio Lower Upper
94 100
96 82.8 77.0 115.6



#11
Methyl Iodide
Concen: 0.667 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

Tgt Ion: 142 Resp: 1807
Ion Ratio Lower Upper
142 100
127 54.9 22.3 66.9
141 12.9 7.0 20.9





#13

Acrolein

Concen: 0.328 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028534.D

Acq: 05 May 2022 15:14

Instrument :

MSVOA_X

ClientSampleId :

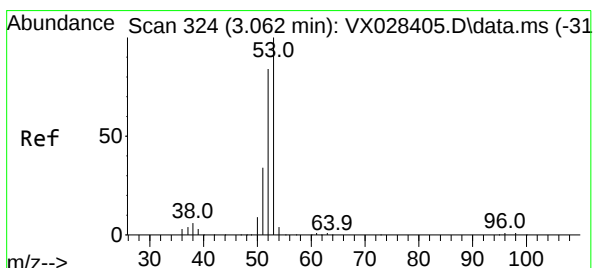
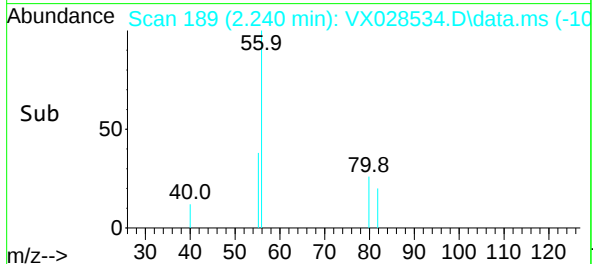
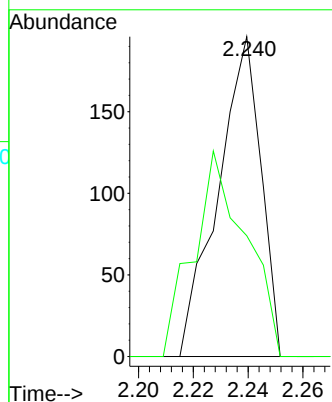
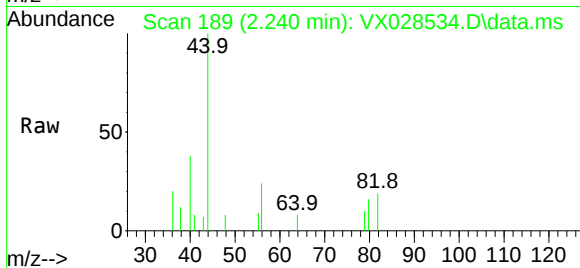
TT-042-IDWGW-20220429

Tgt Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 78.0 56.4 84.6



#14

Acrylonitrile

Concen: 0.209 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.018 min

Lab File: VX028534.D

Acq: 05 May 2022 15:14

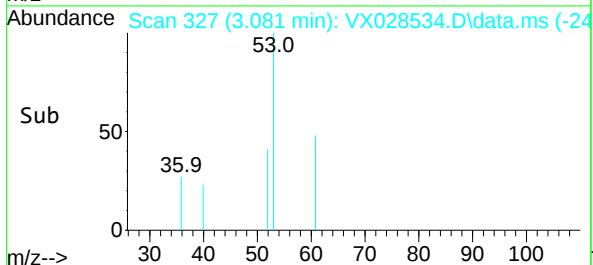
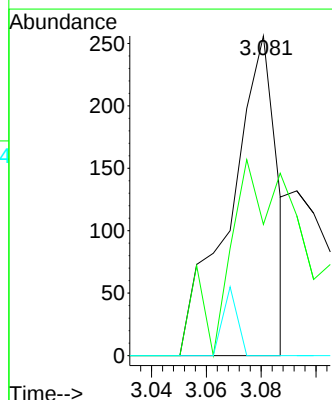
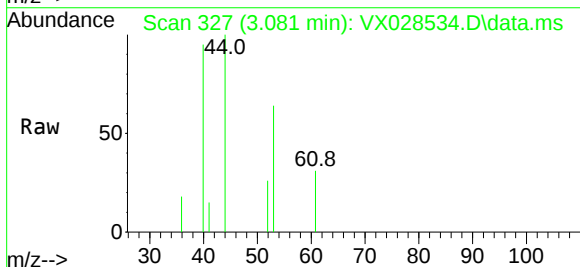
Tgt Ion: 53 Resp: 306

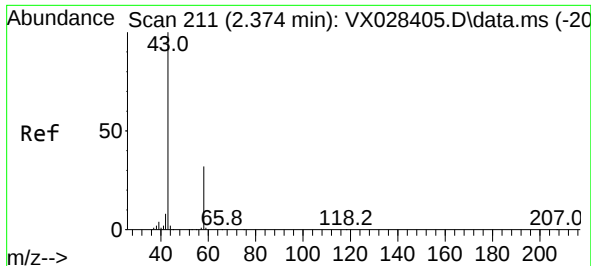
Ion Ratio Lower Upper

53 100

52 41.5 41.5 124.5

51 0.0 18.1 54.4#

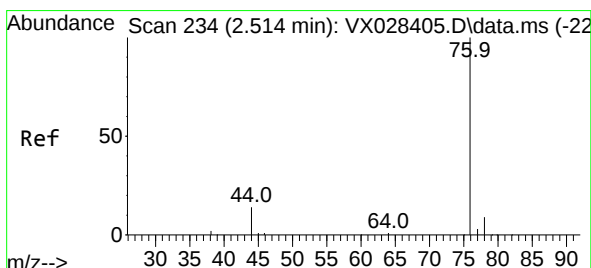
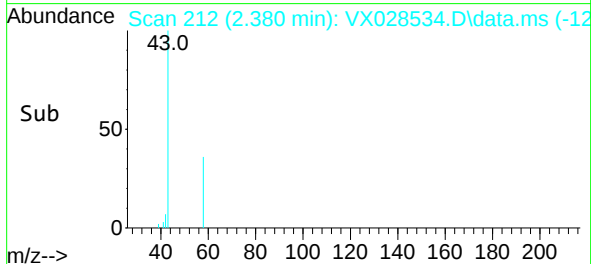
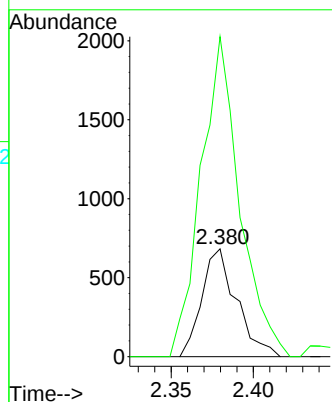
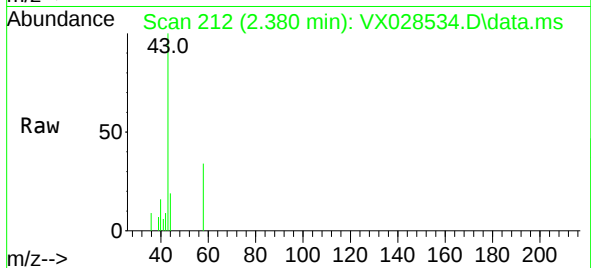




#15
Acetone
Concen: 2.413 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

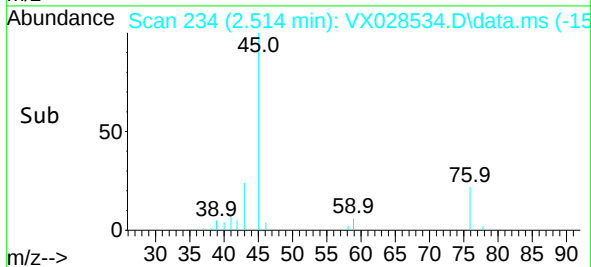
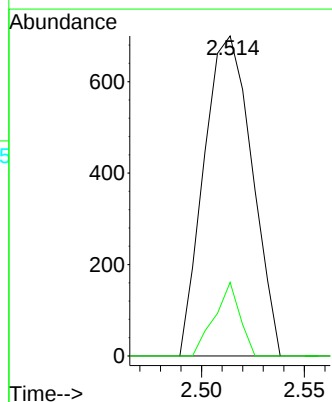
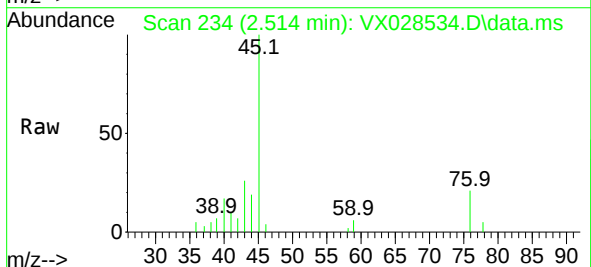
Instrument :
MSVOA_X
ClientSampleId :
TT-042-IDWGW-20220429

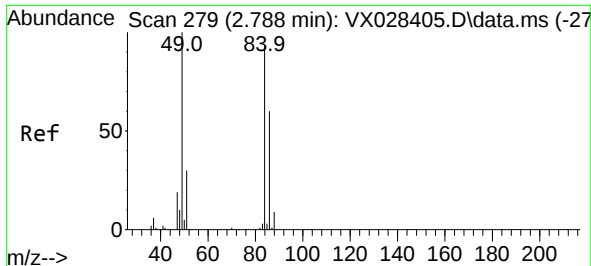
Tgt Ion: 58 Resp: 1001
Ion Ratio Lower Upper
58 100
43 284.6 250.2 375.2



#16
Carbon Disulfide
Concen: 0.478 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

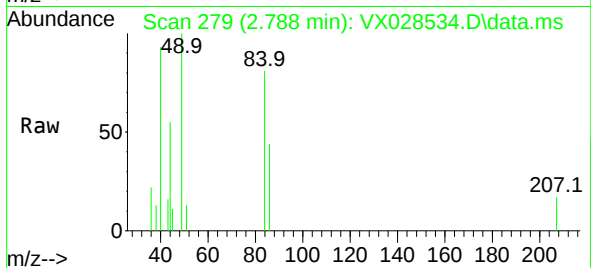
Tgt Ion: 76 Resp: 1139
Ion Ratio Lower Upper
76 100
78 23.0 7.1 10.7#



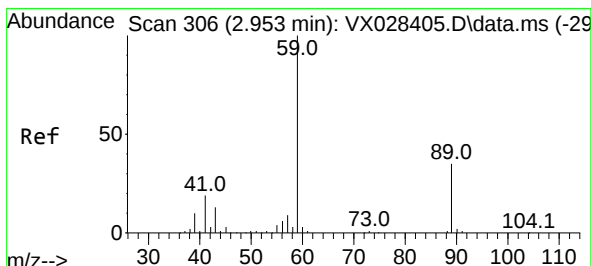
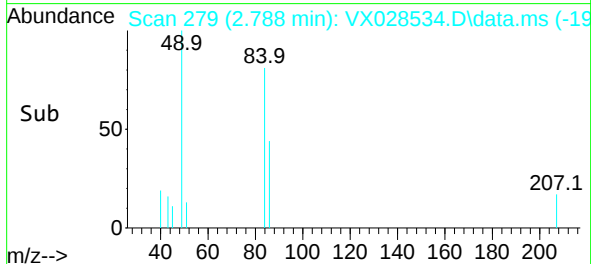
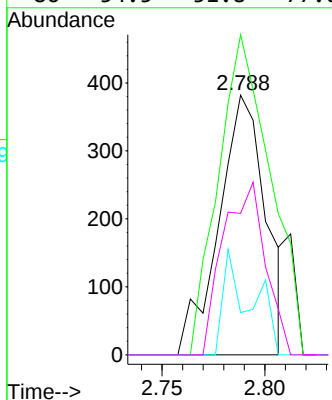


#18
Methylene Chloride
Concen: 0.236 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

Instrument :
MSVOA_X
ClientSampleId :
TT-042-IDWGW-20220429

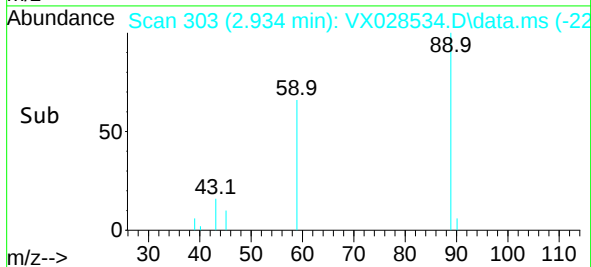
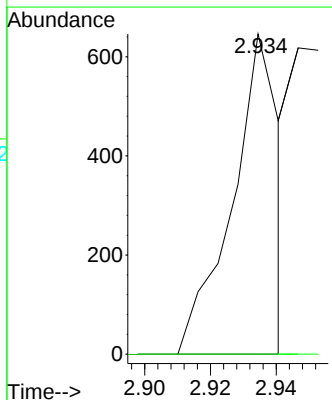
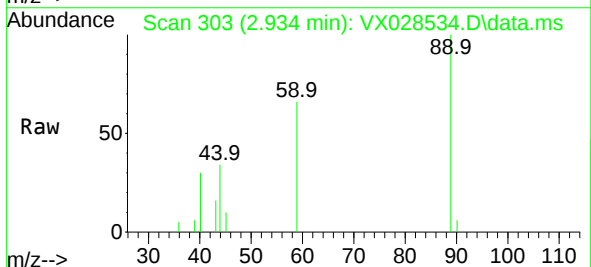


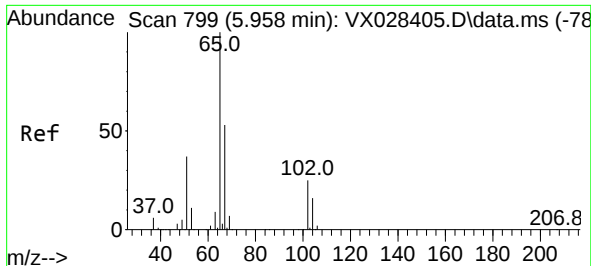
Tgt Ion: 84	Resp: 610
Ion Ratio	Lower Upper
84 100	
49 123.3	94.2 141.2
51 16.2	29.2 43.8#
86 54.5	51.8 77.6



#23
tert-Butyl Alcohol
Concen: 0.818 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.018 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

Tgt Ion: 59	Resp: 647		
Ion Ratio	Lower	Upper	
59 100			
52 0.0	0.0	0.0	





#27

1,2-Dichloroethane-d4

Concen: 32.048 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028534.D

Acq: 05 May 2022 15:14

Instrument :

MSVOA_X

ClientSampleId :

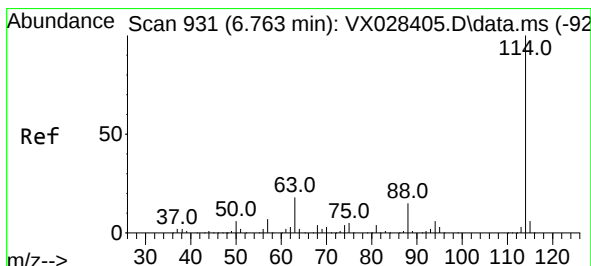
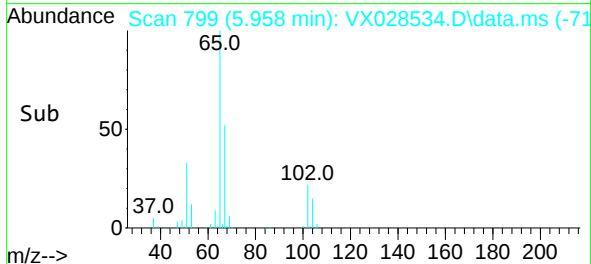
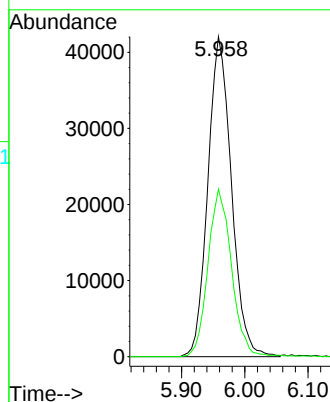
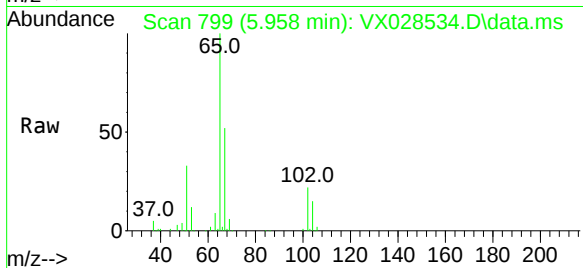
TT-042-IDWGW-20220429

Tgt Ion: 65 Resp: 108972

Ion Ratio Lower Upper

65 100

67 52.0 42.3 63.5



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028534.D

Acq: 05 May 2022 15:14

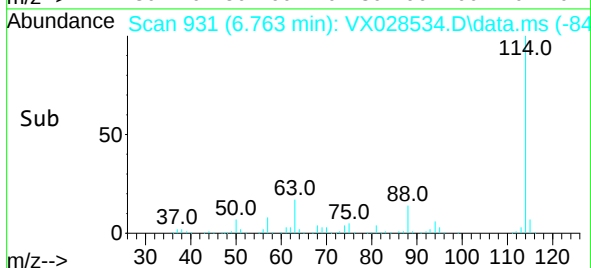
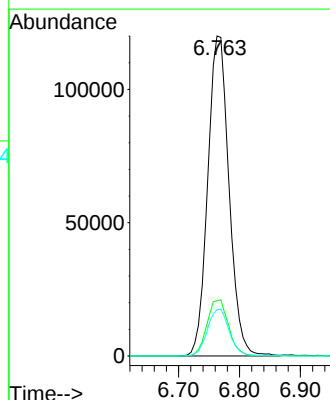
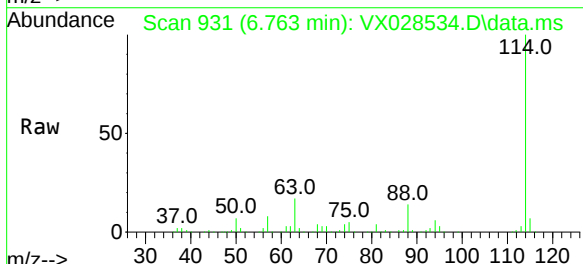
Tgt Ion: 114 Resp: 291667

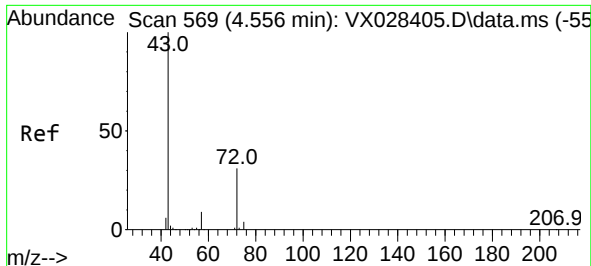
Ion Ratio Lower Upper

114 100

63 17.8 15.3 22.9

88 14.9 12.2 18.4





#30

2-Butanone

Concen: 0.368 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.000 min

Lab File: VX028534.D

Acq: 05 May 2022 15:14

Instrument :

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ClientSampleId :

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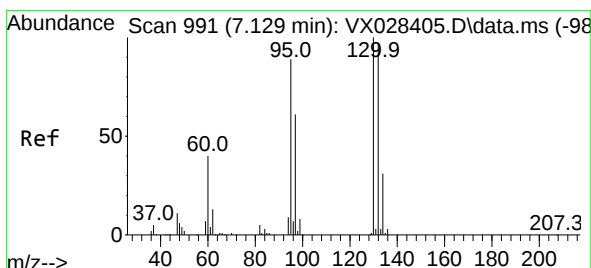
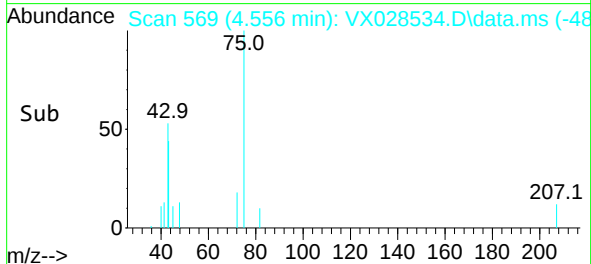
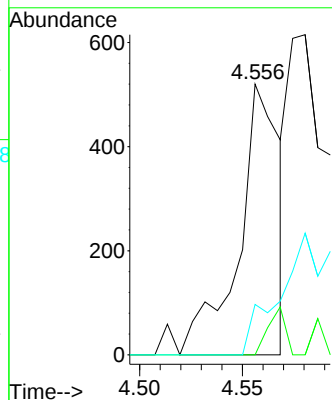
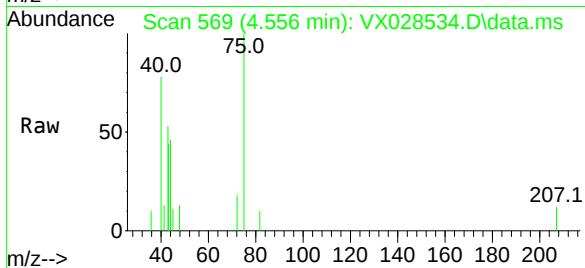
Tgt Ion: 43 Resp: 719

Ion Ratio Lower Upper

43 100

57 0.0 6.6 10.0#

72 9.0 22.1 33.1#



#37

Trichloroethene

Concen: 0.446 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX028534.D

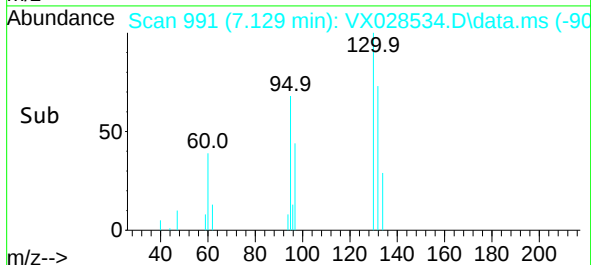
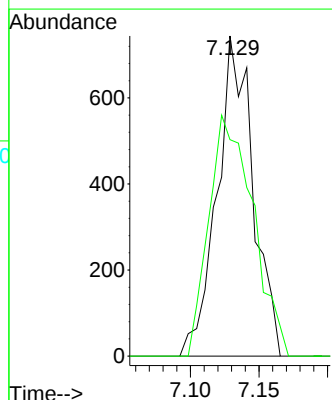
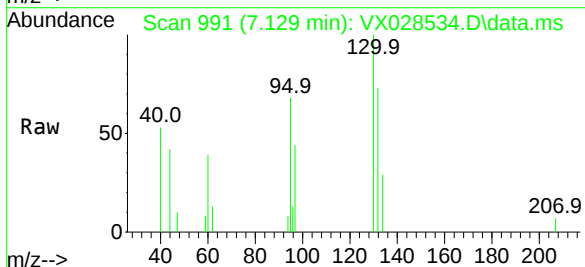
Acq: 05 May 2022 15:14

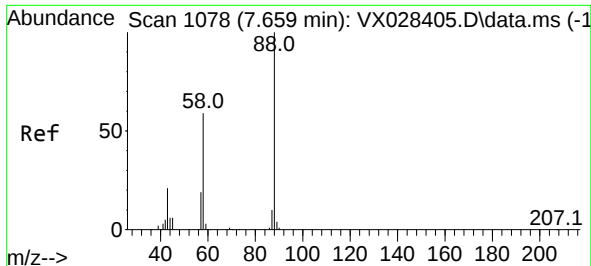
Tgt Ion:130 Resp: 1351

Ion Ratio Lower Upper

130 100

95 67.6 76.5 114.7#

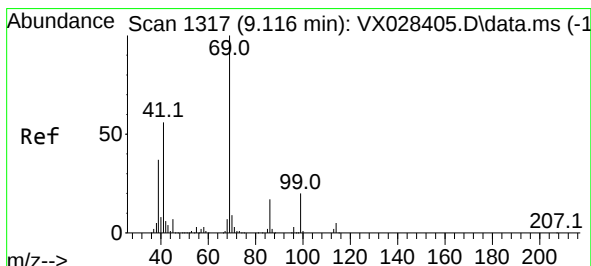
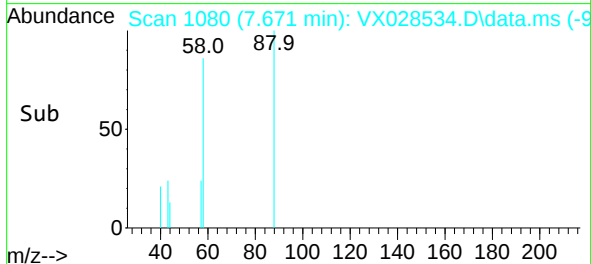
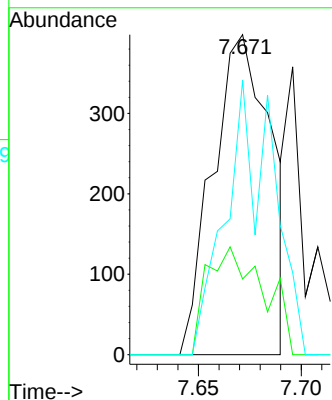
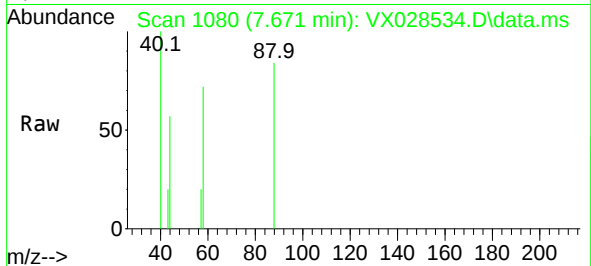




#45
1,4-Dioxane
Concen: 10.193 ug/l
RT: 7.671 min Scan# 110
Delta R.T. 0.012 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

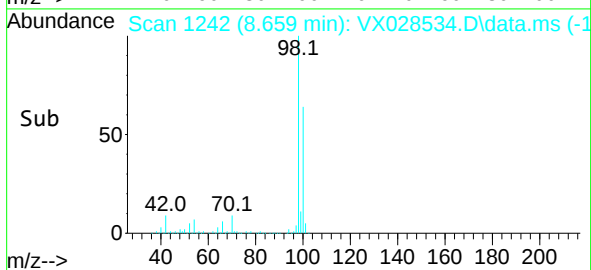
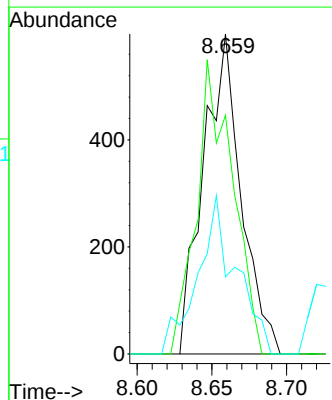
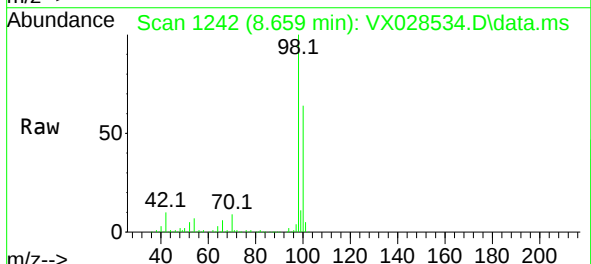
Instrument :
MSVOA_X
ClientSampleId :
TT-042-IDWGW-20220429

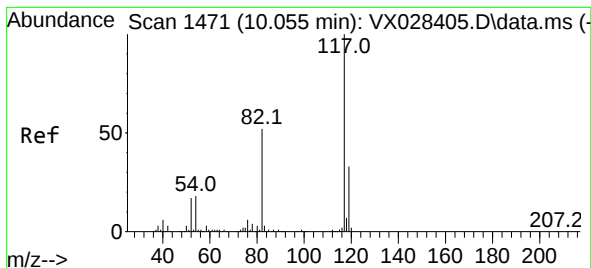
Tgt Ion: 88 Resp: 783
Ion Ratio Lower Upper
88 100
43 32.8 25.8 38.6
58 41.9 54.8 82.2#



#51
Ethyl methacrylate
Concen: 0.234 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. -0.457 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

Tgt Ion: 69 Resp: 1051
Ion Ratio Lower Upper
69 100
41 74.6 32.1 96.5
39 24.1 18.3 54.9





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028534.D

Acq: 05 May 2022 15:14

Instrument :

MSVOA_X

ClientSampleId :

TT-042-IDWGW-20220429

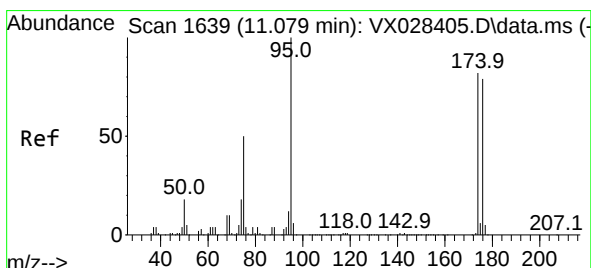
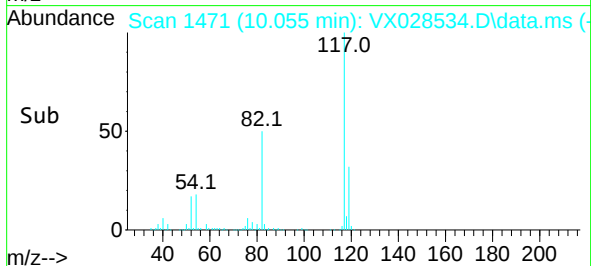
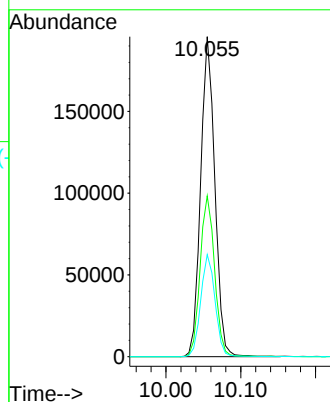
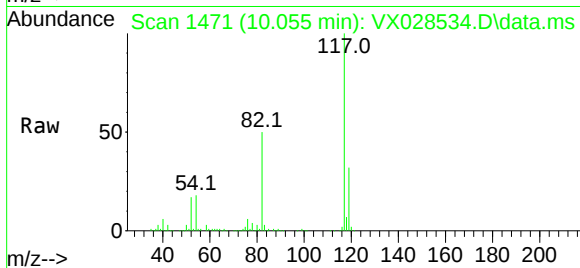
Tgt Ion:117 Resp: 258076

Ion Ratio Lower Upper

117 100

82 51.3 42.3 63.5

119 32.3 26.2 39.2



#60

4-Bromofluorobenzene

Concen: 27.283 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028534.D

Acq: 05 May 2022 15:14

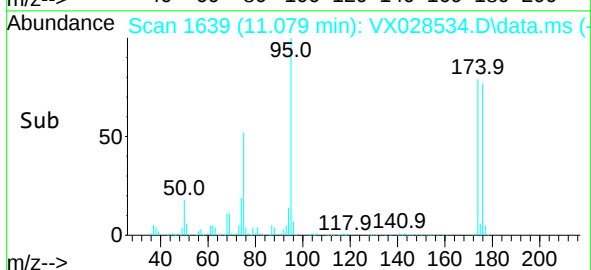
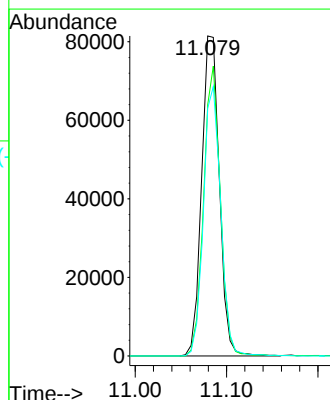
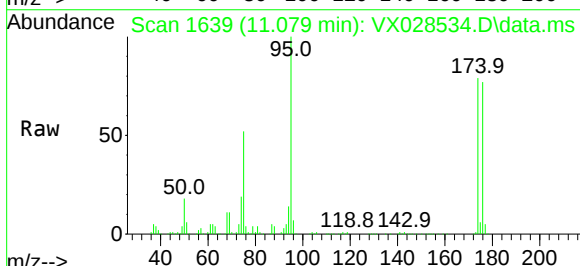
Tgt Ion: 95 Resp: 109501

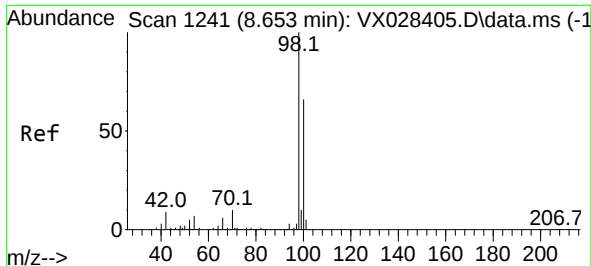
Ion Ratio Lower Upper

95 100

174 84.9 65.4 98.2

176 82.4 63.4 95.0

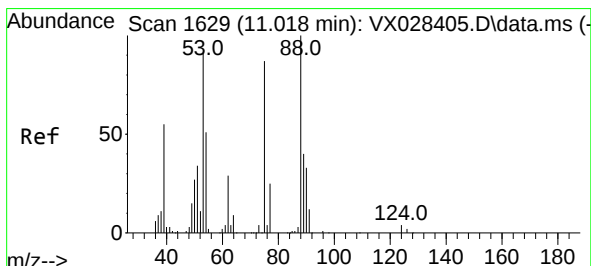
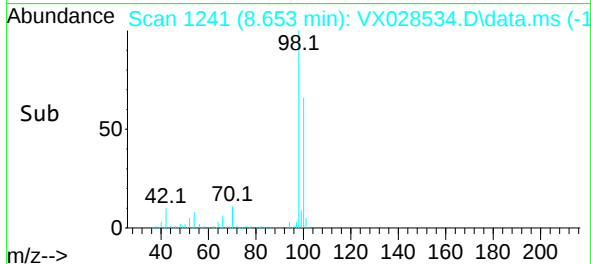
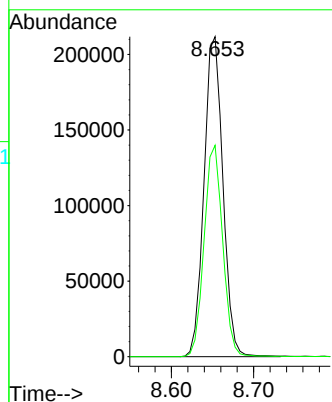
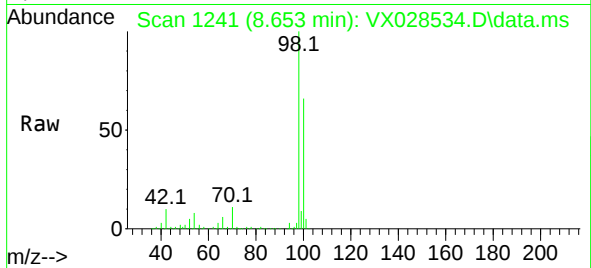




#63
Toluene-d8
Concen: 30.964 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

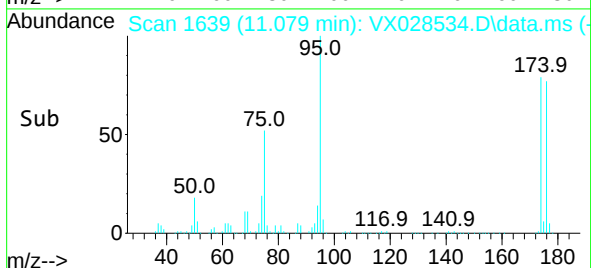
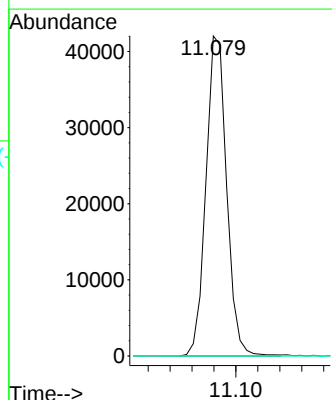
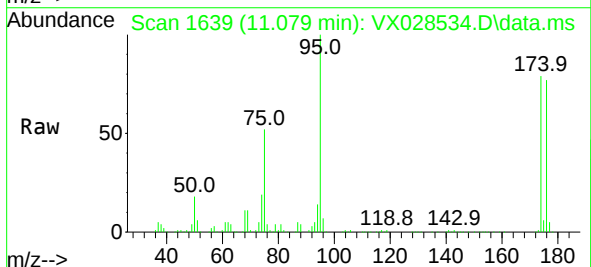
Instrument : MSVOA_X
ClientSampleId : TT-042-IDWGW-20220429

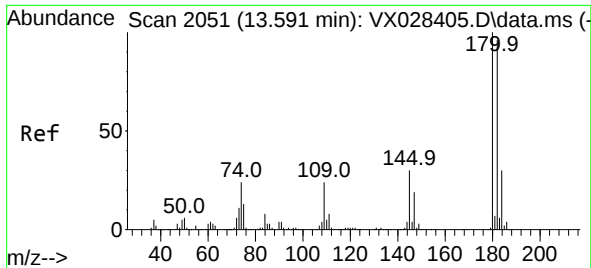
Tgt Ion: 98 Resp: 338524
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.2



#77
t-1,4-Dichloro-2-butene
Concen: 43.039 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

Tgt Ion: 75 Resp: 55067
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#

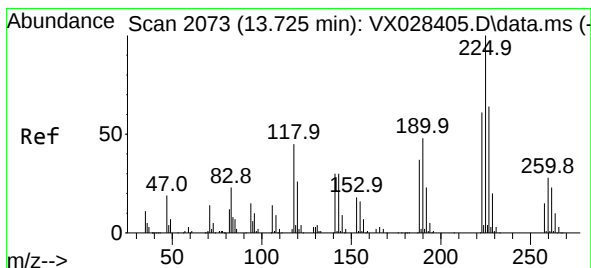
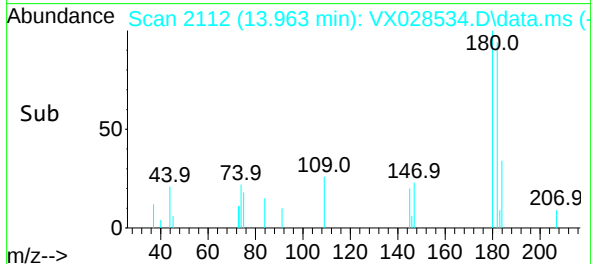
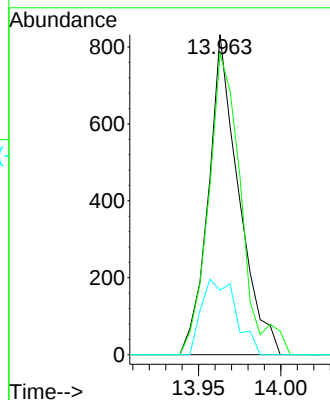
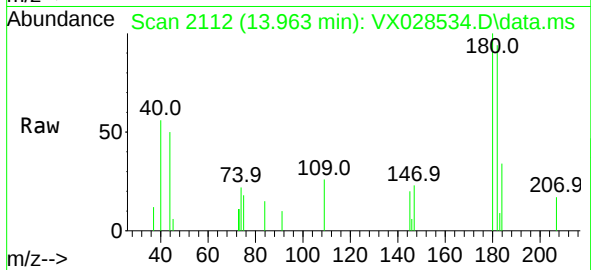




#89
 1,2,4-Trichlorobenzene
 Concen: 0.240 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.372 min
 Lab File: VX028534.D
 Acq: 05 May 2022 15:14

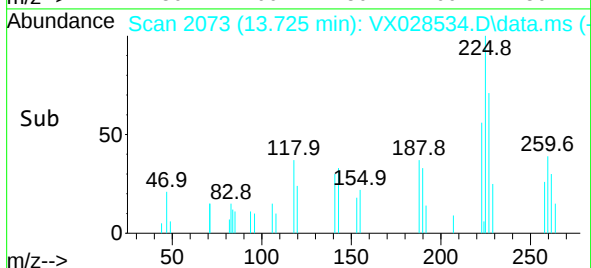
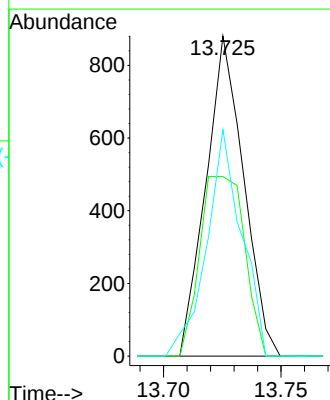
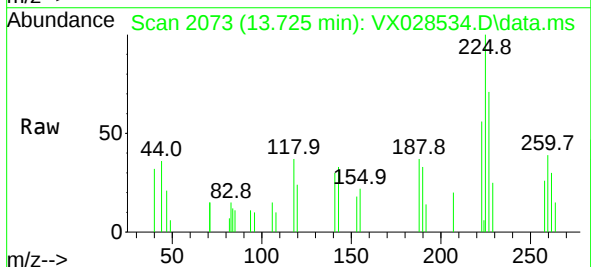
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-042-IDWGW-20220429

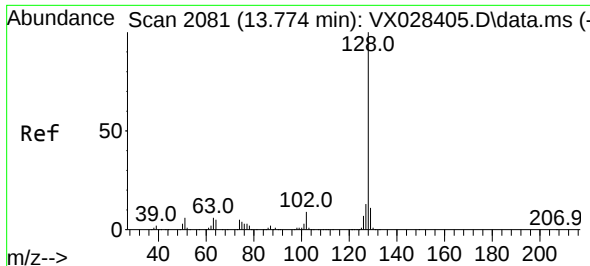
Tgt Ion:180 Resp: 1066
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.4 116.2
 145 26.7 24.2 36.4



#90
 Hexachlorobutadiene
 Concen: 0.521 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX028534.D
 Acq: 05 May 2022 15:14

Tgt Ion:225 Resp: 982
 Ion Ratio Lower Upper
 225 100
 223 66.6 0.0 126.0
 227 65.6 0.0 125.0

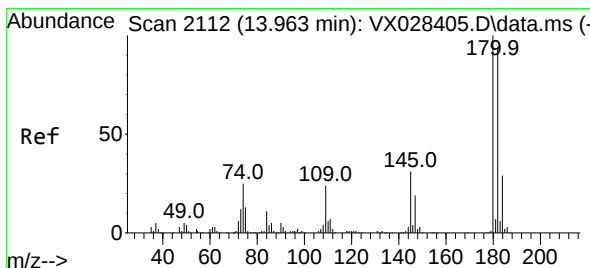
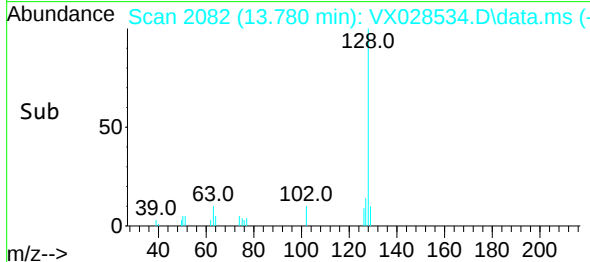
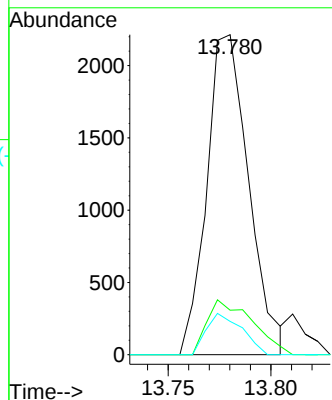
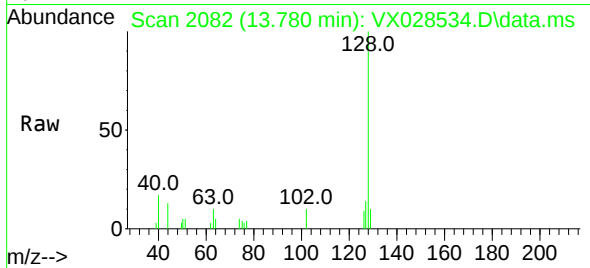




#91
Naphthalene
Concen: 0.202 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

Instrument :
MSVOA_X
ClientSampleId :
TT-042-IDWGW-20220429

Tgt Ion:128 Resp: 3145
Ion Ratio Lower Upper
128 100
127 18.6 10.0 15.0#
129 11.0 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 0.239 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX028534.D
Acq: 05 May 2022 15:14

Tgt Ion:180 Resp: 1066
Ion Ratio Lower Upper
180 100
182 96.1 0.0 189.4
145 26.7 0.0 67.2

