

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032223\
 Data File : VX034675.D
 Acq On : 22 Mar 2023 16:23
 Operator : JC/MD
 Sample : 02034-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-CB05-20-25-032123

Quant Time: Mar 23 07:55:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

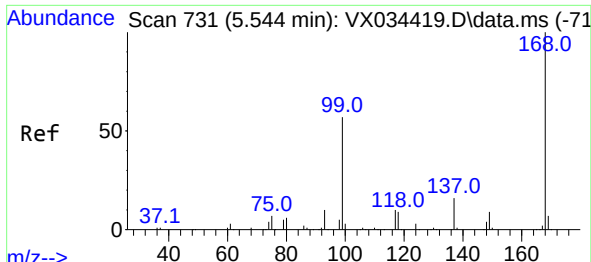
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	331017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	565620	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	501011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	237526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	251812	52.291	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.580%			
35) Dibromofluoromethane	5.385	113	175519	46.999	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.000%			
50) Toluene-d8	8.647	98	658528	47.236	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.480%			
62) 4-Bromofluorobenzene	11.079	95	262115	46.547	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.100%			
Target Compounds			Qvalue			
3) Chloromethane	1.301	50	517	Below Cal	#	72
4) Vinyl Chloride	1.374	62	2311	0.550	ug/l #	85
6) Chloroethane	1.691	64	801	0.331	ug/l	91
11) Tert butyl alcohol	2.959	59	1711	1.706	ug/l #	79
12) 1,1-Dichloroethene	2.319	96	956	0.264	ug/l	92
13) Acrolein	2.233	56	424	0.534	ug/l	85
16) Acetone	2.380	43	44573	19.650	ug/l	100
18) Methyl Acetate	2.709	43	2114	0.285	ug/l	92
20) Methylene Chloride	2.788	84	6993	1.588	ug/l	97
24) 1,1-Dichloroethane	3.611	63	280242	37.219	ug/l	99
25) 2-Butanone	4.568	43	16334	5.032	ug/l	93
27) cis-1,2-Dichloroethene	4.495	96	8282	1.788	ug/l	93
29) Tetrahydrofuran	5.019	42	514	0.257	ug/l #	17
30) Chloroform	5.099	83	50391	6.827	ug/l	99
31) Cyclohexane	5.550	56	8019	1.187	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	28579	4.982	ug/l #	50
37) Ethyl Acetate	4.568	43	16334	2.607	ug/l #	70
38) Carbon Tetrachloride	5.550	117	35652	6.248	ug/l #	17
42) 1,2-Dichloroethane	6.092	62	7343	1.191	ug/l	90
44) Trichloroethene	7.141	130	1083	0.248	ug/l	86
48) Methyl methacrylate	7.580	41	6418	1.257	ug/l #	47
49) 1,4-Dioxane	7.665	88	13678	127.551	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	4438	0.721	ug/l	96
52) Toluene	8.726	92	3101	0.299	ug/l	99
59) 2-Hexanone	9.445	43	2252	0.473	ug/l	84
74) N-amyl acetate	10.860	43	7080	0.805	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	136193	24.972	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	136193	67.556	ug/l #	8

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

Instrument :
MSVOA_X
ClientSampleId :
GW-CB05-20-25-032123

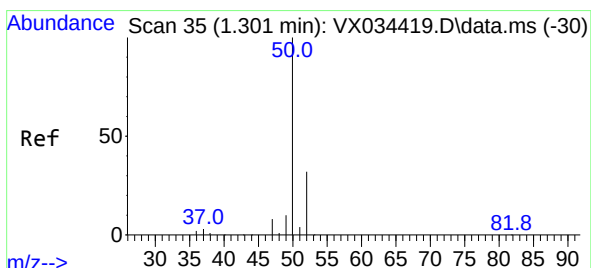
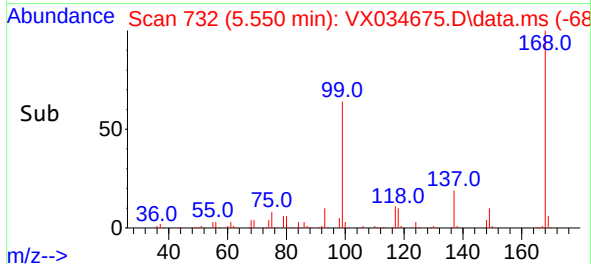
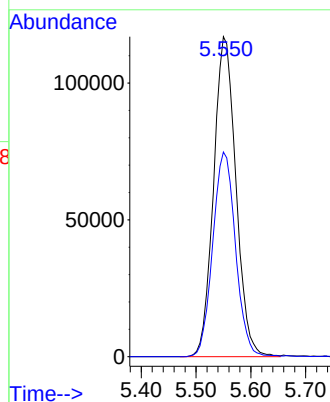
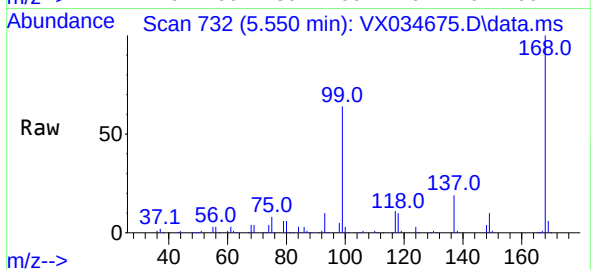
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

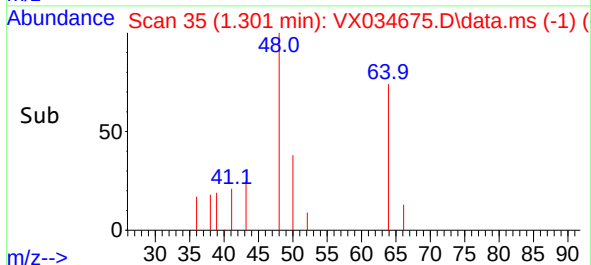
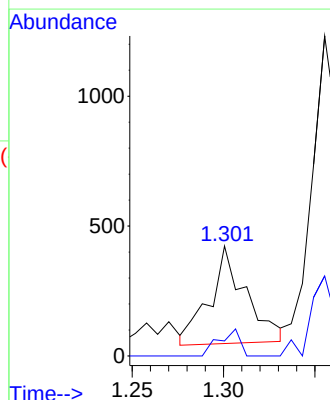
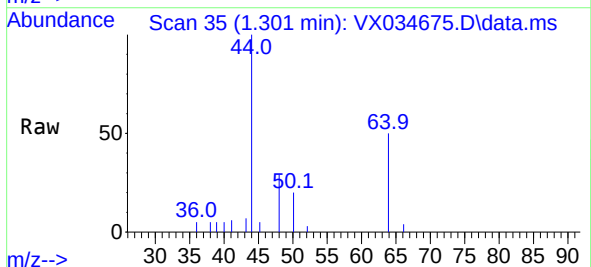
Instrument :
MSVOA_X
ClientSampleId :
GW-CB05-20-25-032123

Tgt Ion:168 Resp: 331017
Ion Ratio Lower Upper
168 100
99 64.0 45.7 68.5

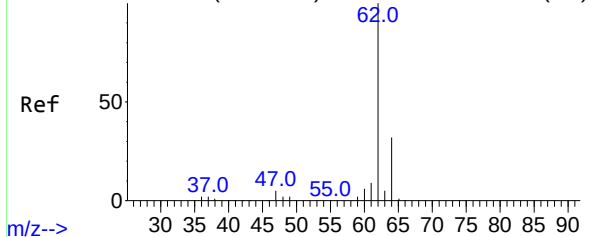


#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Tgt Ion: 50 Resp: 517
Ion Ratio Lower Upper
50 100
52 16.9 25.9 38.9#



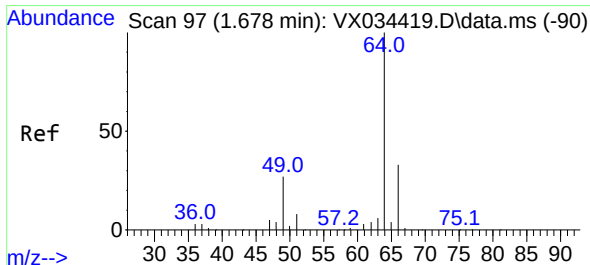
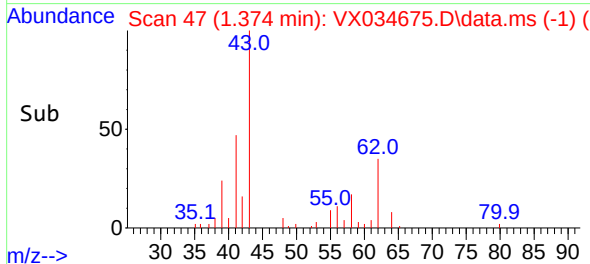
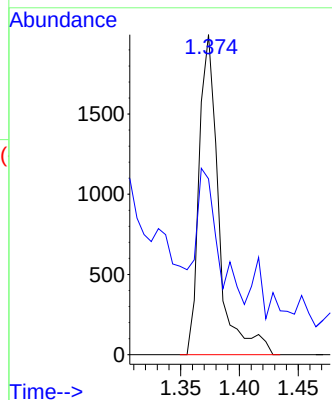
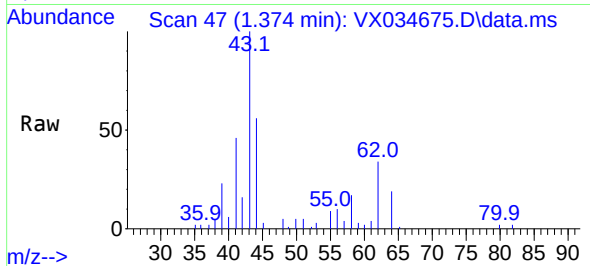
Abundance Scan 47 (1.374 min): VX034419.D\data.ms (-41)



#4
Vinyl Chloride
Concen: 0.550 ug/l
RT: 1.374 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

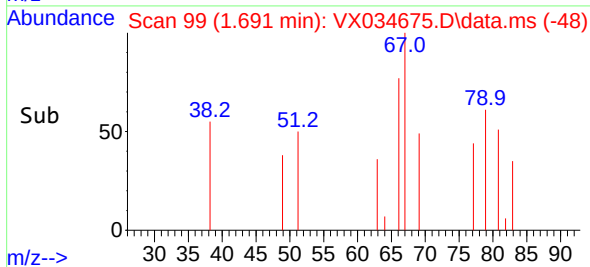
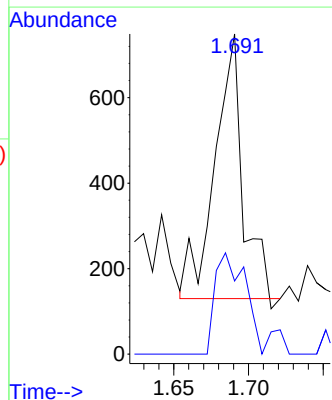
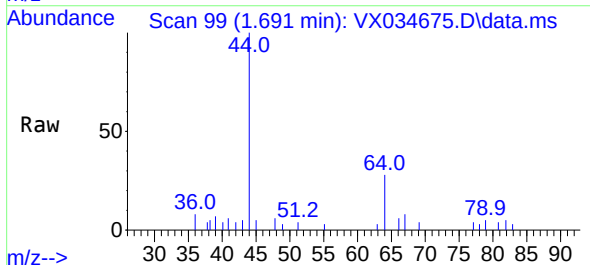
Instrument :
MSVOA_X
ClientSampleId :
GW-CB05-20-25-032123

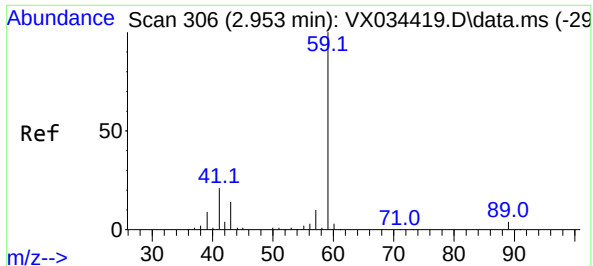
Tgt Ion: 62 Resp: 2311
Ion Ratio Lower Upper
62 100
64 41.3 26.4 39.6#



#6
Chloroethane
Concen: 0.331 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Tgt Ion: 64 Resp: 801
Ion Ratio Lower Upper
64 100
66 27.6 26.2 39.4





#11

Tert butyl alcohol

Concen: 1.706 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX034675.D

Acq: 22 Mar 2023 16:23

Instrument :

MSVOA_X

ClientSampleId :

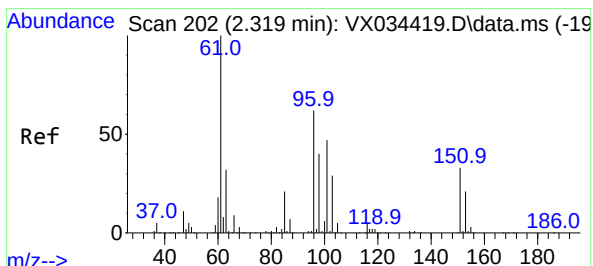
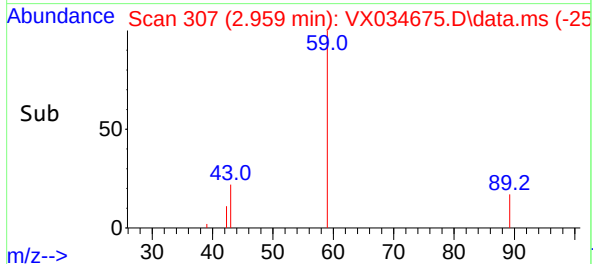
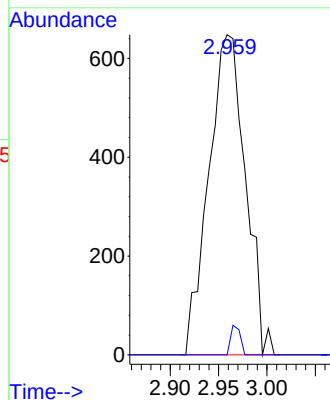
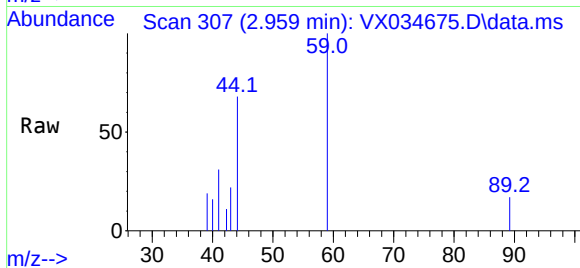
GW-CB05-20-25-032123

Tgt Ion: 59 Resp: 1711

Ion Ratio Lower Upper

59 100

57 2.4 8.1 12.1#



#12

1,1-Dichloroethene

Concen: 0.264 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX034675.D

Acq: 22 Mar 2023 16:23

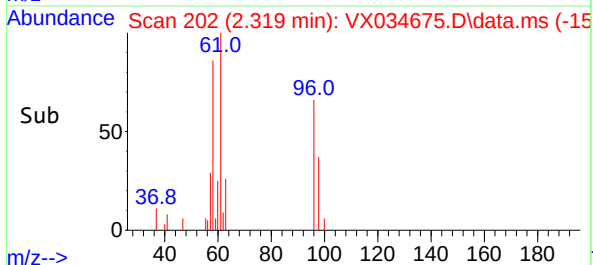
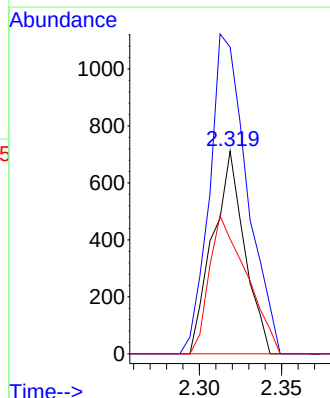
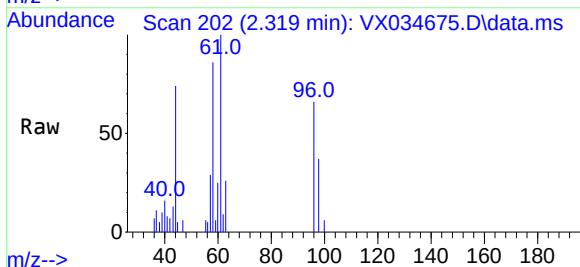
Tgt Ion: 96 Resp: 956

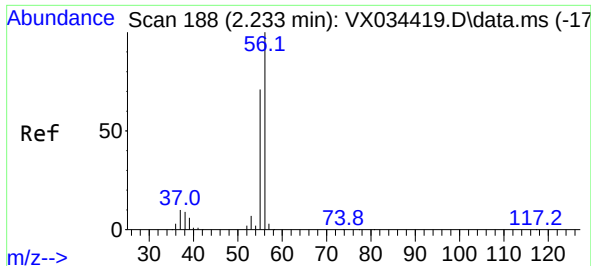
Ion Ratio Lower Upper

96 100

61 151.3 128.8 193.2

98 56.6 51.4 77.0

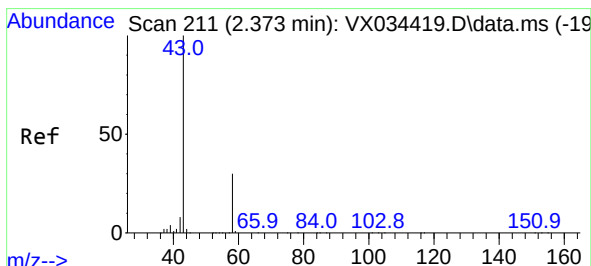
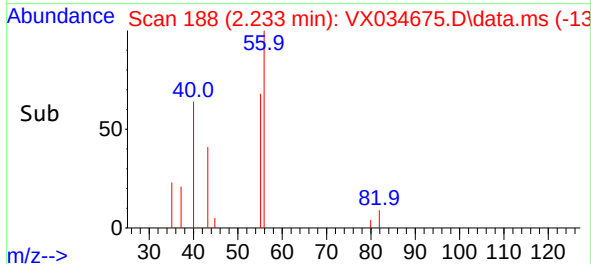
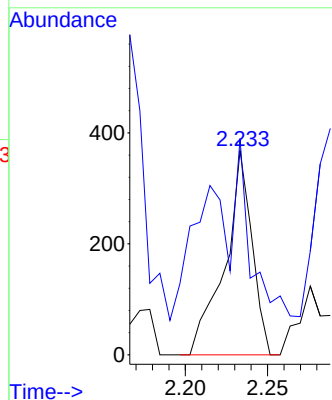
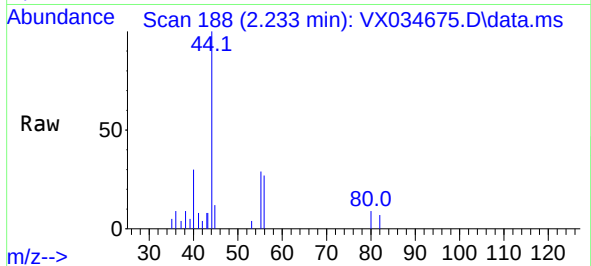




#13
Acrolein
Concen: 0.534 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

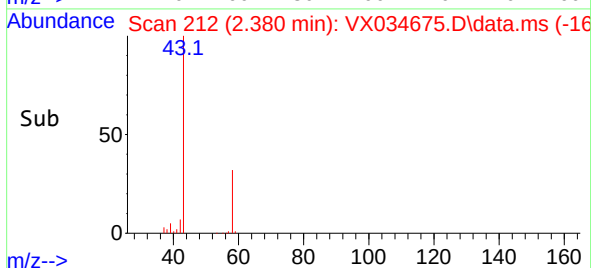
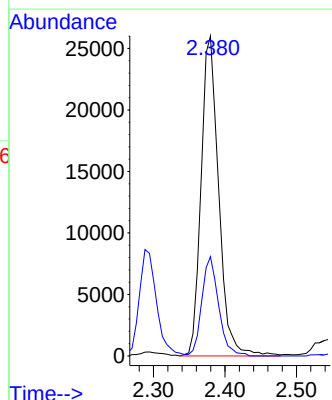
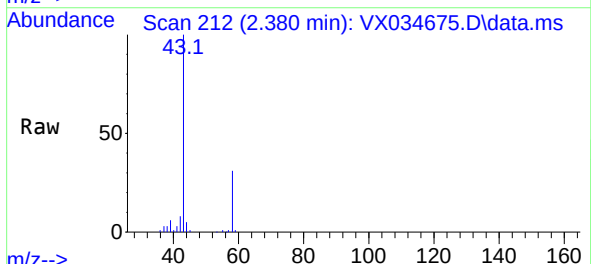
Instrument :
MSVOA_X
ClientSampleId :
GW-CB05-20-25-032123

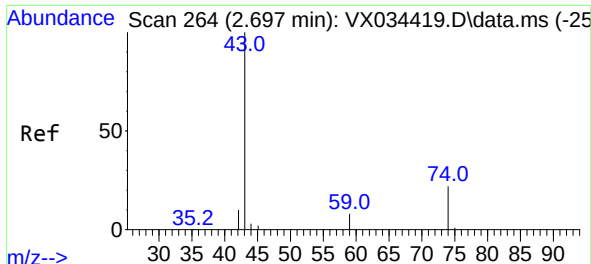
Tgt Ion: 56 Resp: 424
Ion Ratio Lower Upper
56 100
55 83.0 56.6 85.0



#16
Acetone
Concen: 19.650 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Tgt Ion: 43 Resp: 44573
Ion Ratio Lower Upper
43 100
58 31.1 24.7 37.1

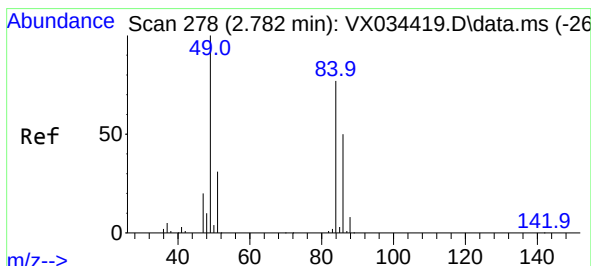
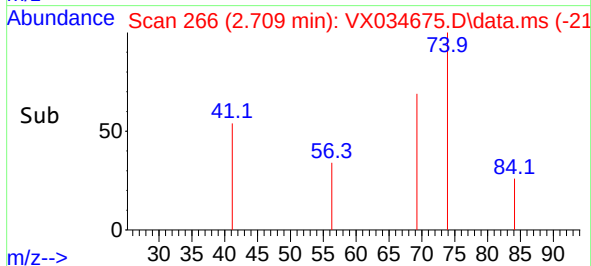
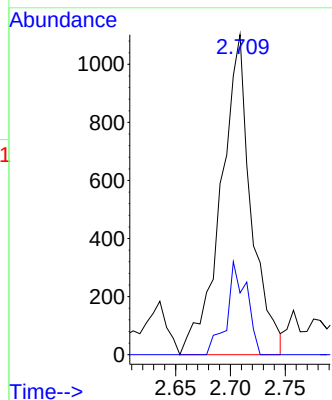
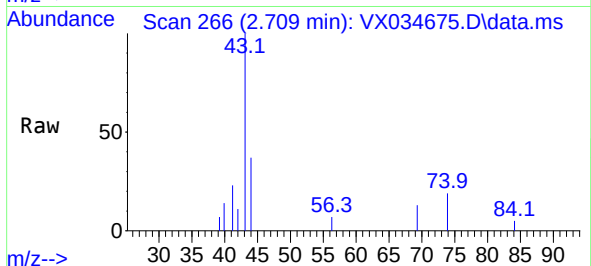




#18
Methyl Acetate
Concen: 0.285 ug/l
RT: 2.709 min Scan# 2114
Delta R.T. 0.012 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

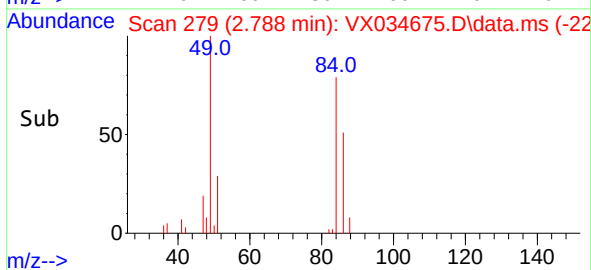
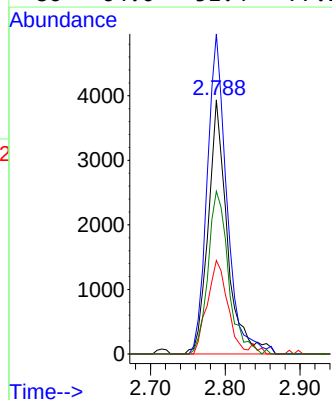
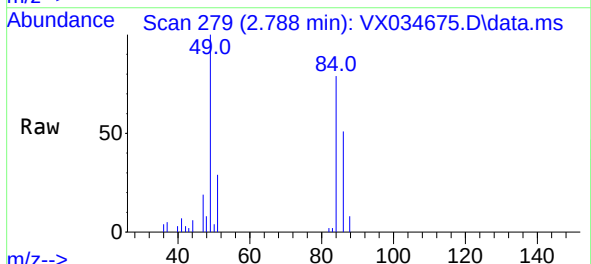
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MSVOA_X
ClientSampleId :
GW-CB05-20-25-032123

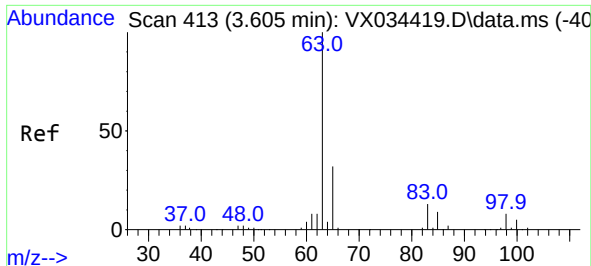
Tgt Ion: 43 Resp: 2114
Ion Ratio Lower Upper
43 100
74 18.9 18.3 27.5



#20
Methylene Chloride
Concen: 1.588 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Tgt Ion: 84 Resp: 6993
Ion Ratio Lower Upper
84 100
49 125.9 103.8 155.8
51 36.8 31.8 47.8
86 64.0 51.4 77.2

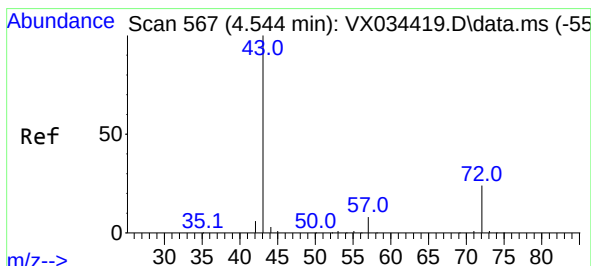
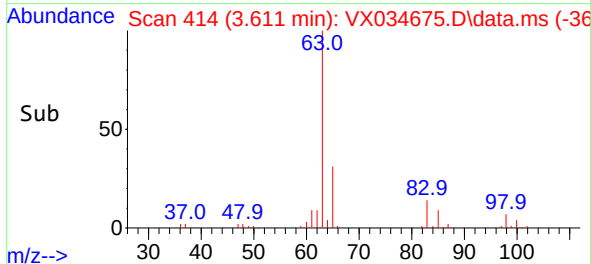
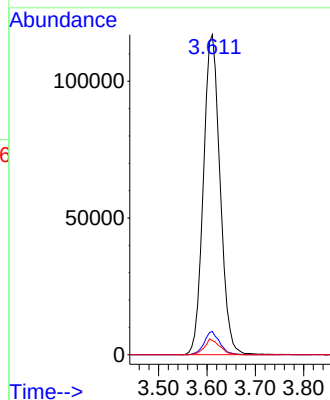
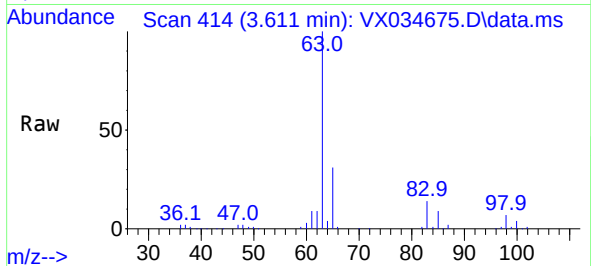




#24
1,1-Dichloroethane
Concen: 37.219 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

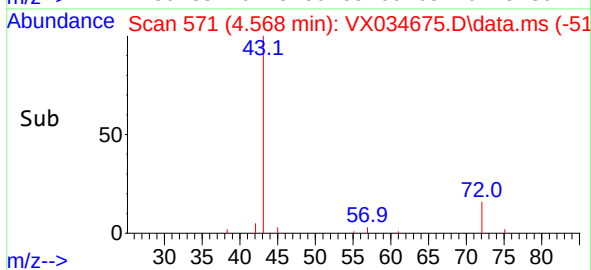
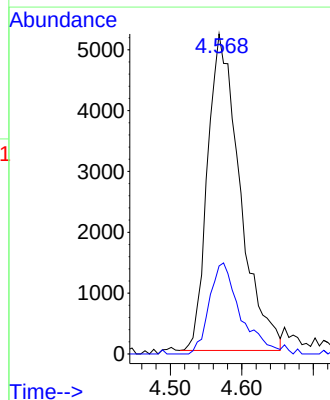
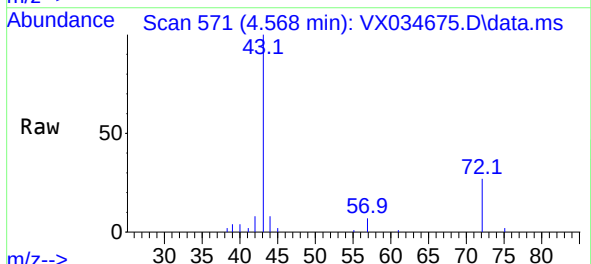
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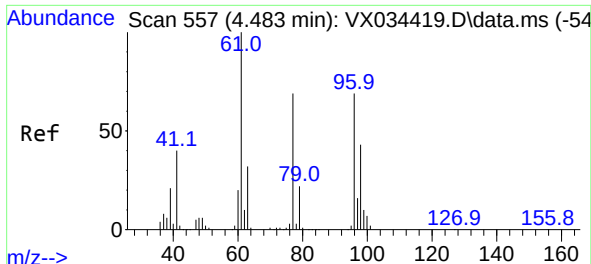
Tgt Ion: 63 Resp: 280242
Ion Ratio Lower Upper
63 100
98 7.2 3.8 11.2
100 4.4 2.4 7.1



#25
2-Butanone
Concen: 5.032 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Tgt Ion: 43 Resp: 16334
Ion Ratio Lower Upper
43 100
72 27.8 19.3 28.9



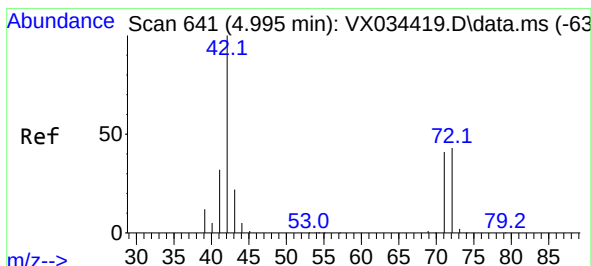
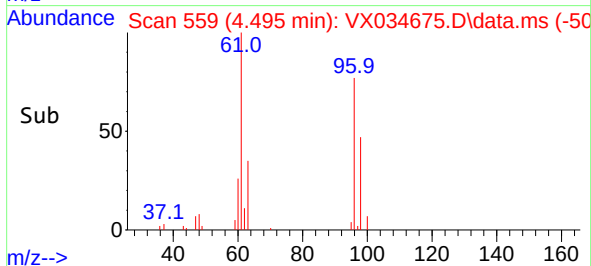
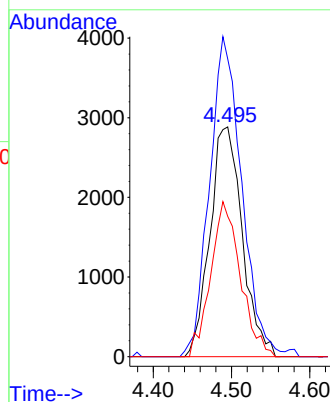
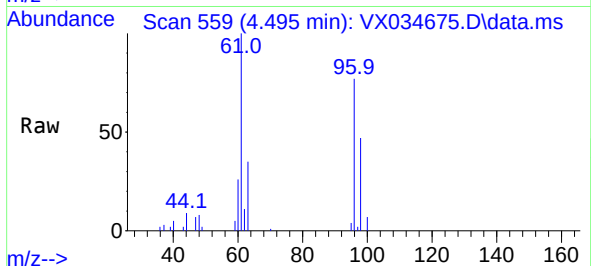


#27
cis-1,2-Dichloroethene
Concen: 1.788 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Instrument :
MSVOA_X
ClientSampleId :
GW-CB05-20-25-032123

Tgt Ion: 96 Resp: 8282

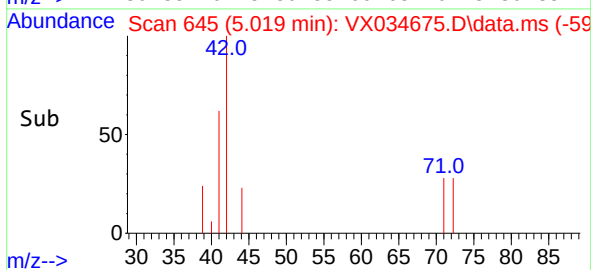
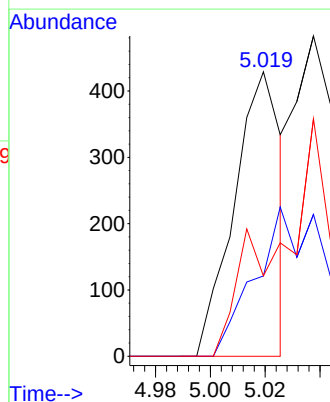
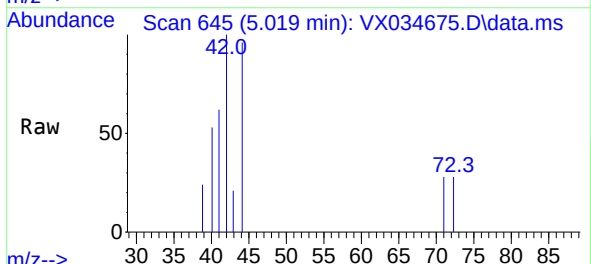
Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	300.4
98	62.1	0.0	129.0

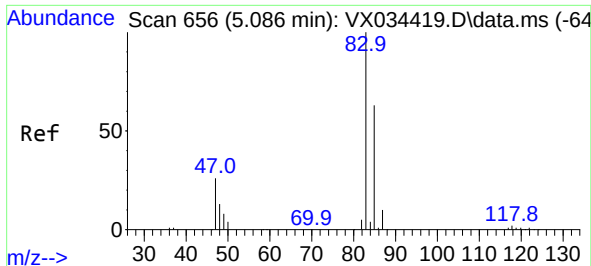


#29
Tetrahydrofuran
Concen: 0.257 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.024 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Tgt Ion: 42 Resp: 514

Ion	Ratio	Lower	Upper
42	100		
72	90.5	34.5	51.7#
71	97.5	32.1	48.1#





#30

Chloroform

Concen: 6.827 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX034675.D

Acq: 22 Mar 2023 16:23

Instrument :

MSVOA_X

ClientSampleId :

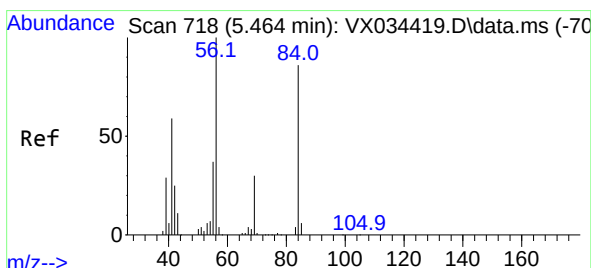
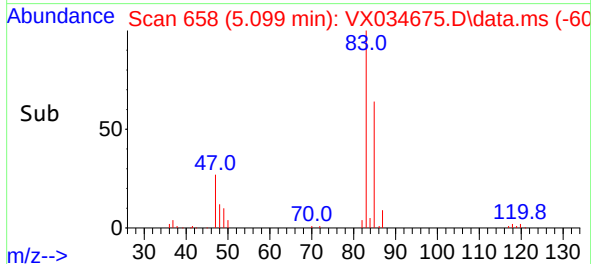
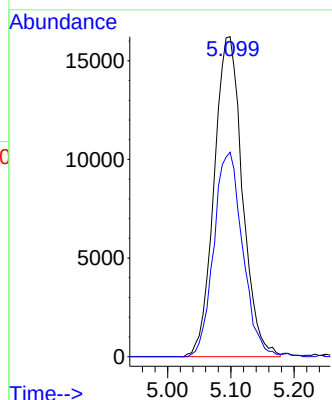
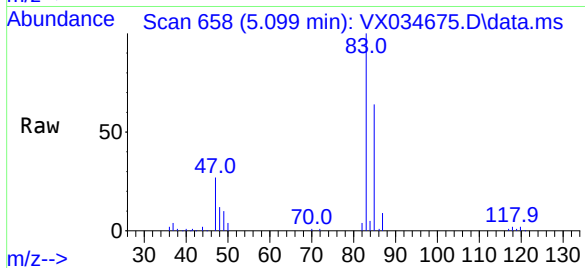
GW-CB05-20-25-032123

Tgt Ion: 83 Resp: 50391

Ion Ratio Lower Upper

83 100

85 63.9 50.6 76.0



#31

Cyclohexane

Concen: 1.187 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX034675.D

Acq: 22 Mar 2023 16:23

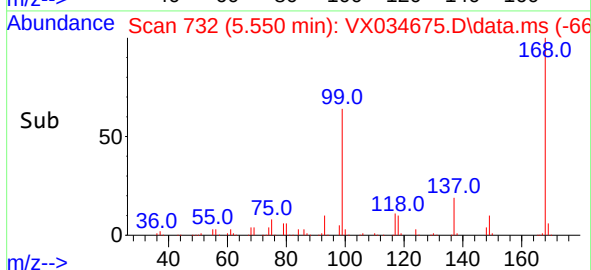
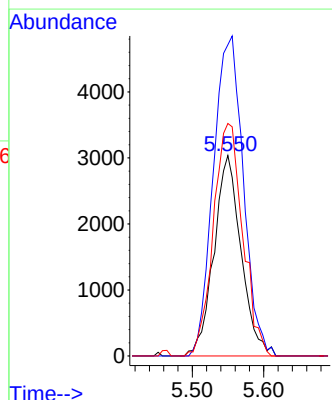
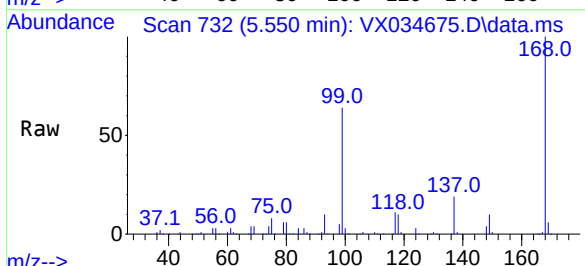
Tgt Ion: 56 Resp: 8019

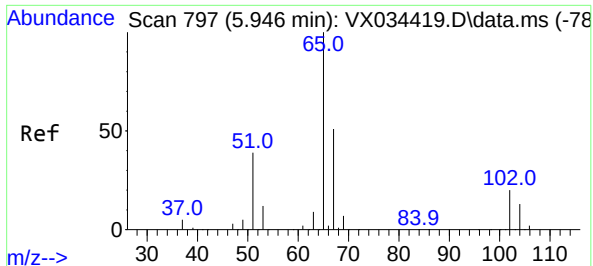
Ion Ratio Lower Upper

56 100

69 155.2 23.7 35.5#

84 115.9 68.5 102.7#

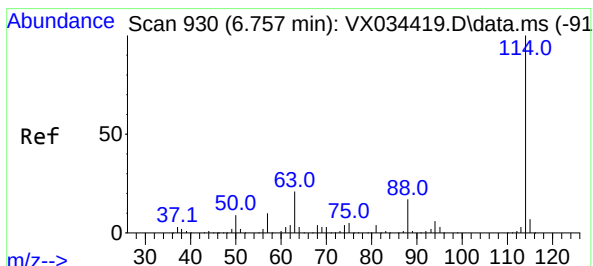
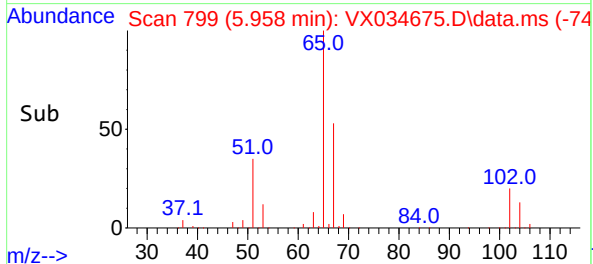
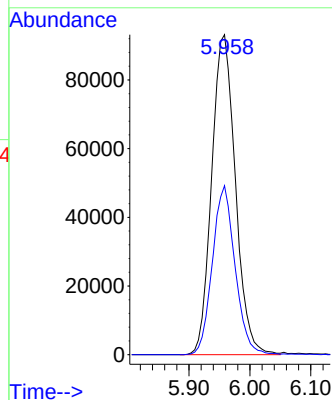
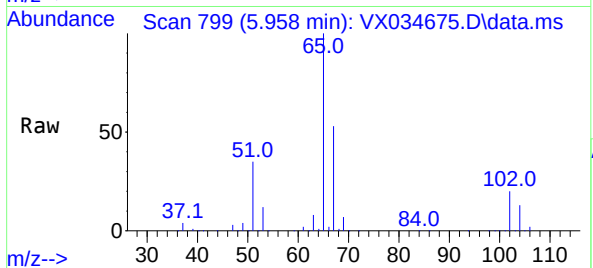




#33
 1,2-Dichloroethane-d4
 Concen: 52.291 ug/l
 RT: 5.958 min Scan# 797
 Delta R.T. 0.012 min
 Lab File: VX034675.D
 Acq: 22 Mar 2023 16:23

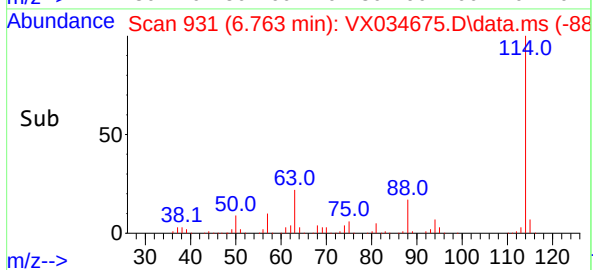
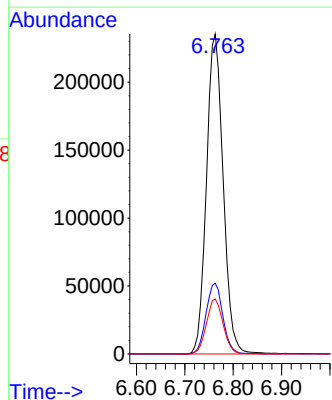
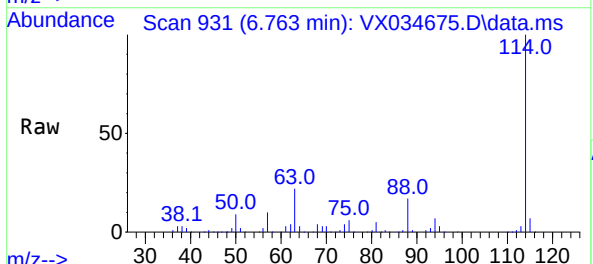
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-CB05-20-25-032123

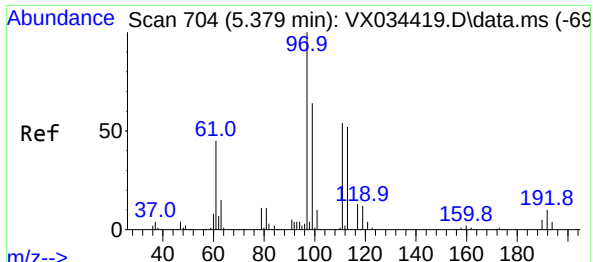
Tgt Ion: 65 Resp: 251812
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX034675.D
 Acq: 22 Mar 2023 16:23

Tgt Ion: 114 Resp: 565620
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 42.2
 88 17.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.999 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034675.D

Acq: 22 Mar 2023 16:23

Instrument :

MSVOA_X

ClientSampleId :

GW-CB05-20-25-032123

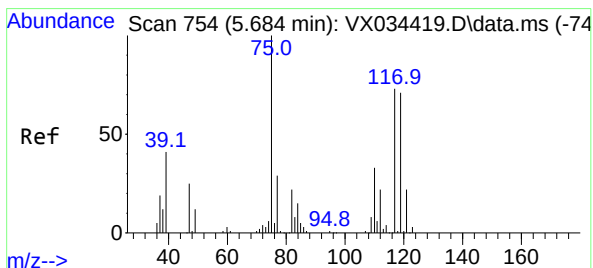
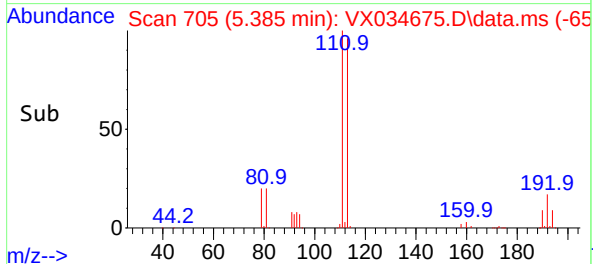
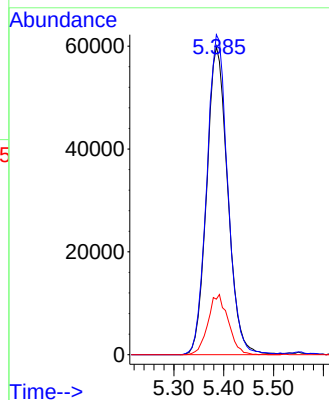
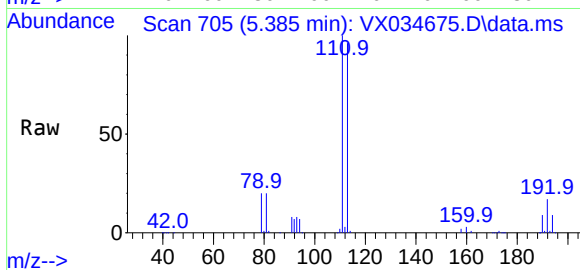
Tgt Ion:113 Resp: 175519

Ion Ratio Lower Upper

113 100

111 103.3 83.7 125.5

192 18.8 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.982 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX034675.D

Acq: 22 Mar 2023 16:23

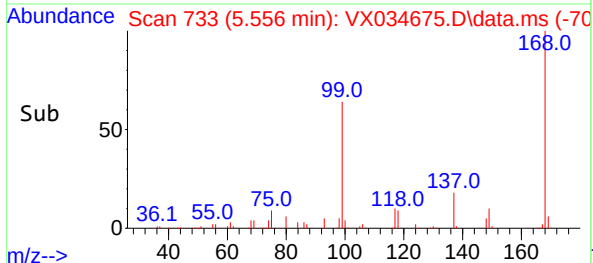
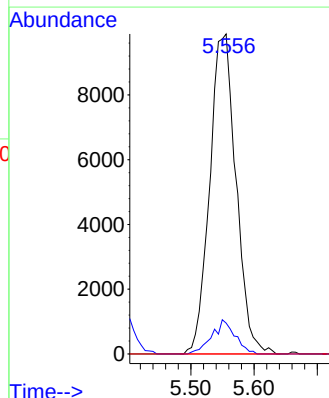
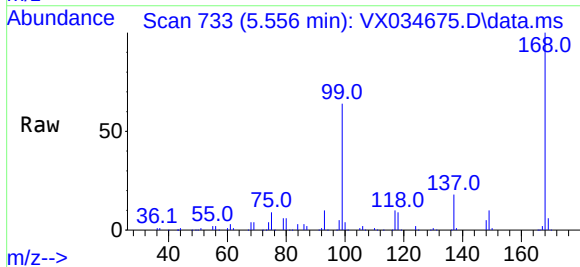
Tgt Ion: 75 Resp: 28579

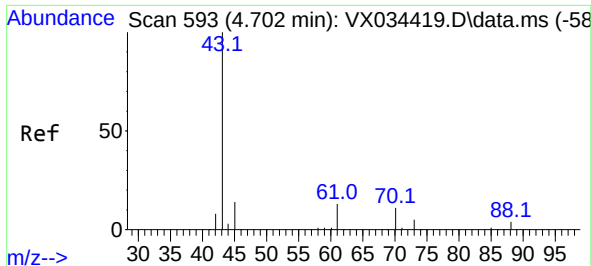
Ion Ratio Lower Upper

75 100

110 9.4 17.5 52.5#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 2.607 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX034675.D

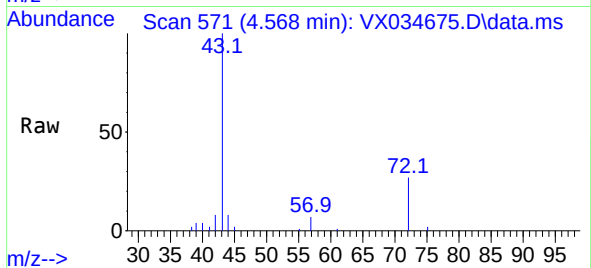
Acq: 22 Mar 2023 16:23

Instrument :

MSVOA_X

ClientSampleId :

GW-CB05-20-25-032123



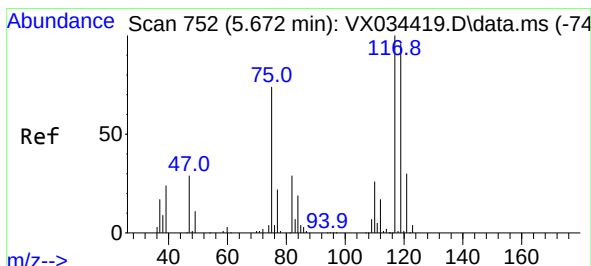
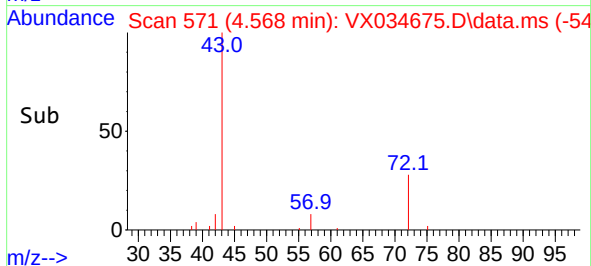
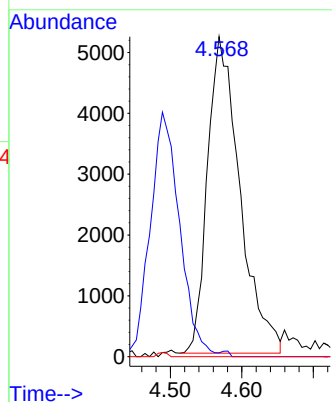
Tgt Ion: 43 Resp: 16334

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 6.248 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX034675.D

Acq: 22 Mar 2023 16:23

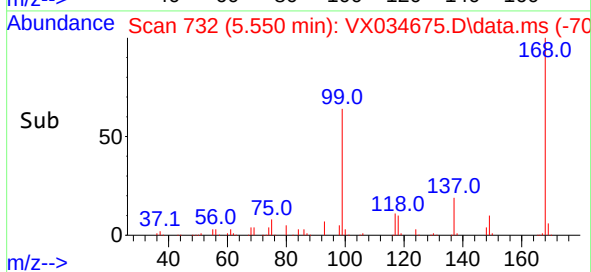
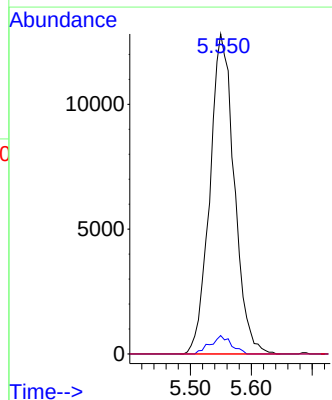
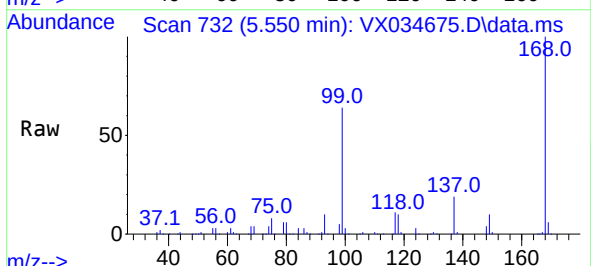
Tgt Ion: 117 Resp: 35652

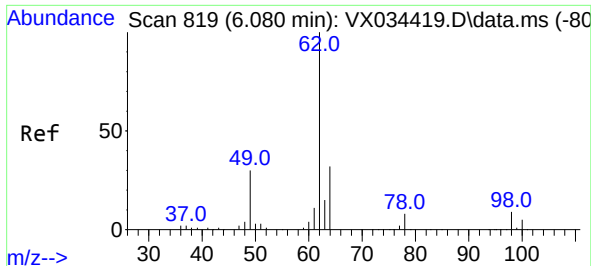
Ion Ratio Lower Upper

117 100

119 5.8 76.6 114.8#

121 0.0 23.8 35.6#

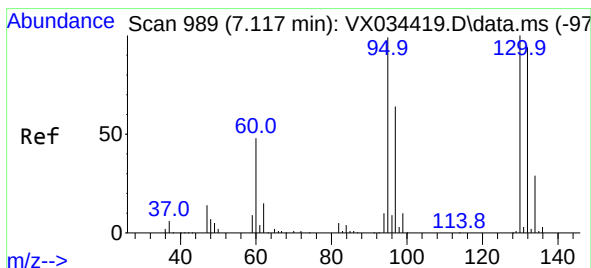
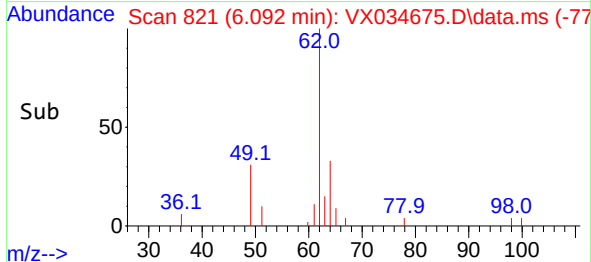
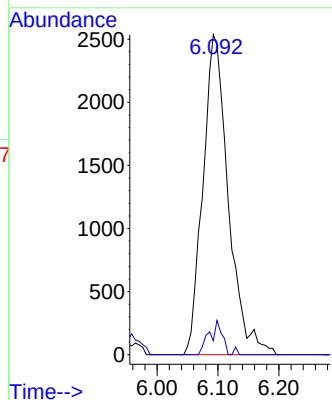
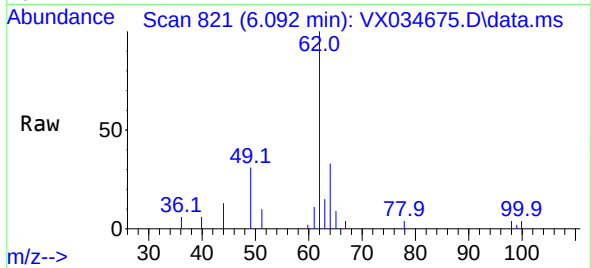




#42
1,2-Dichloroethane
Concen: 1.191 ug/l
RT: 6.092 min Scan# 819
Delta R.T. 0.012 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

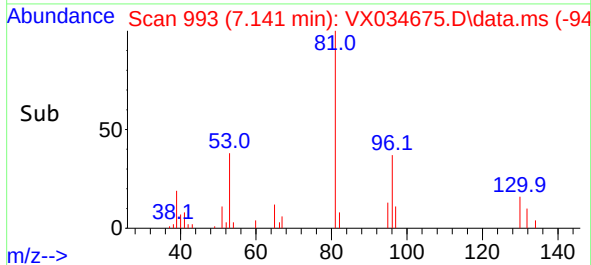
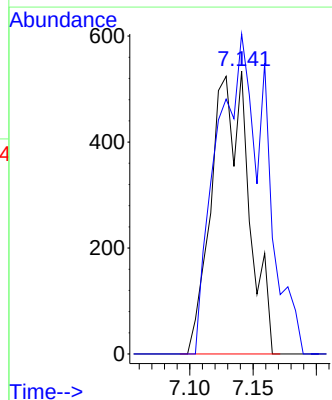
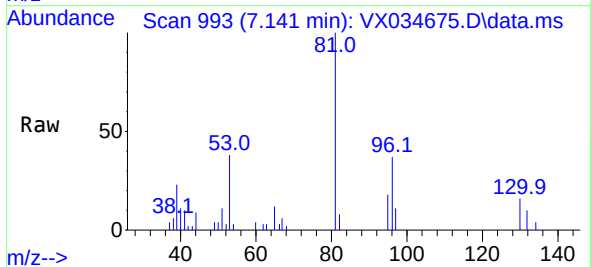
Instrument :
MSVOA_X
ClientSampleId :
GW-CB05-20-25-032123

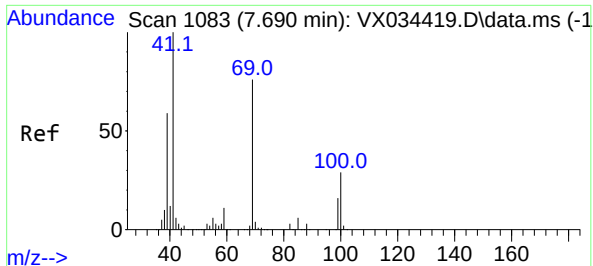
Tgt Ion: 62 Resp: 7343
Ion Ratio Lower Upper
62 100
98 5.4 0.0 18.0



#44
Trichloroethene
Concen: 0.248 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.024 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Tgt Ion: 130 Resp: 1083
Ion Ratio Lower Upper
130 100
95 113.1 0.0 198.4





#48

Methyl methacrylate

Concen: 1.257 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.110 min

Lab File: VX034675.D

Acq: 22 Mar 2023 16:23

Instrument :

MSVOA_X

ClientSampleId :

GW-CB05-20-25-032123

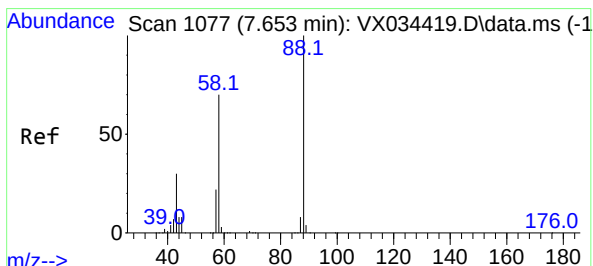
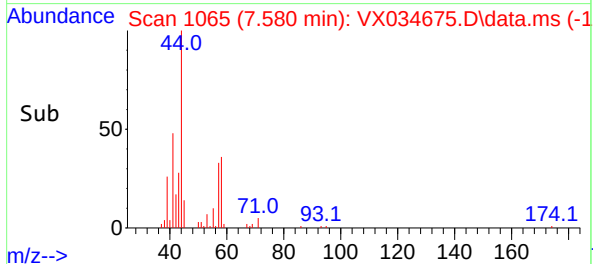
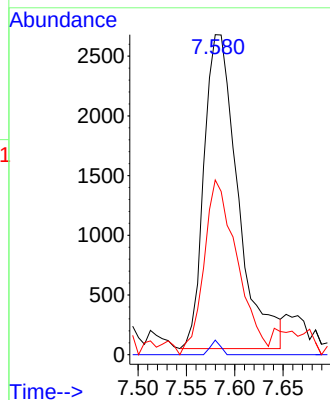
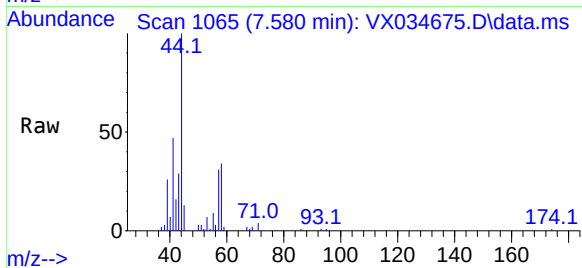
Tgt Ion: 41 Resp: 6418

Ion Ratio Lower Upper

41 100

69 1.4 62.2 93.4#

39 54.4 47.7 71.5



#49

1,4-Dioxane

Concen: 127.551 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.012 min

Lab File: VX034675.D

Acq: 22 Mar 2023 16:23

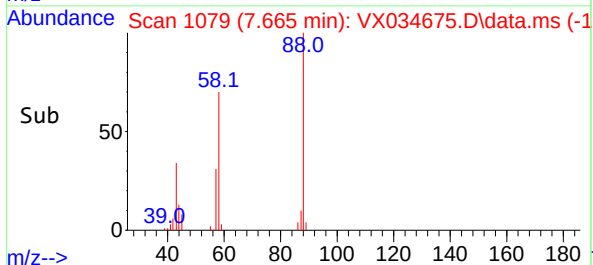
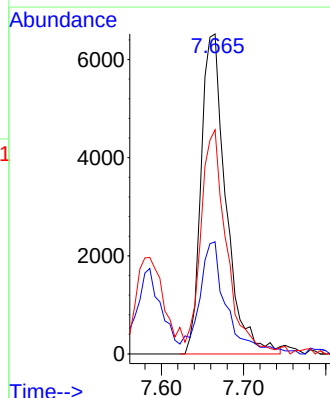
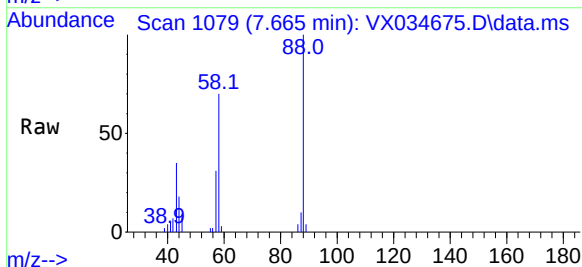
Tgt Ion: 88 Resp: 13678

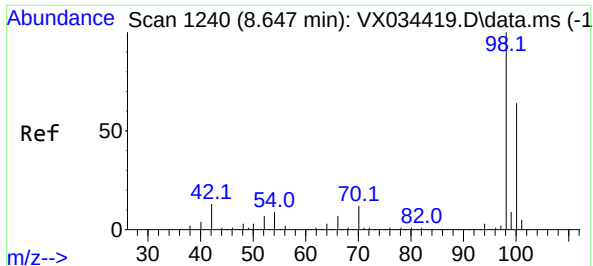
Ion Ratio Lower Upper

88 100

43 38.6 27.7 41.5

58 69.3 56.8 85.2





#50

Toluene-d8

Concen: 47.236 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034675.D

Acq: 22 Mar 2023 16:23

Instrument :

MSVOA_X

ClientSampleId :

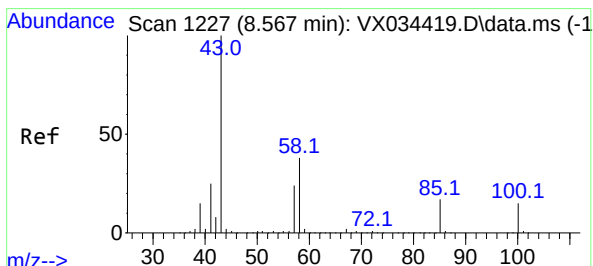
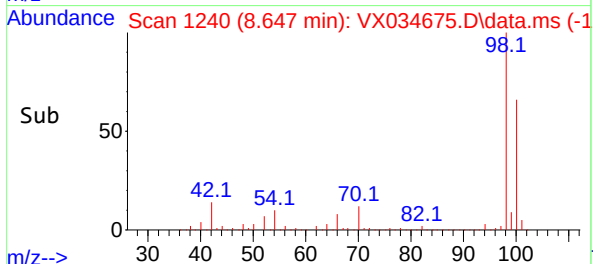
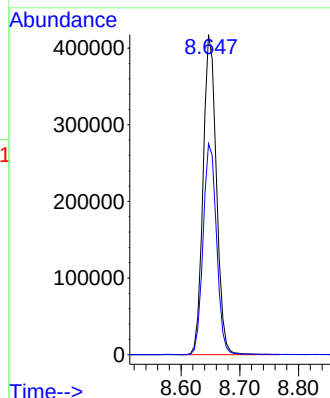
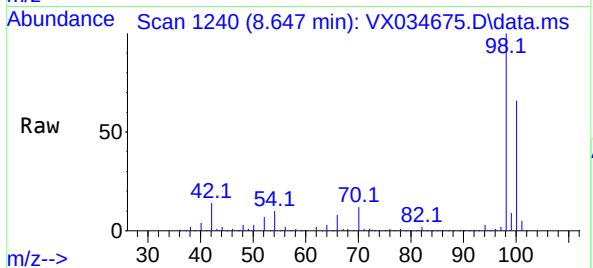
GW-CB05-20-25-032123

Tgt Ion: 98 Resp: 658528

Ion Ratio Lower Upper

98 100

100 66.8 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.721 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX034675.D

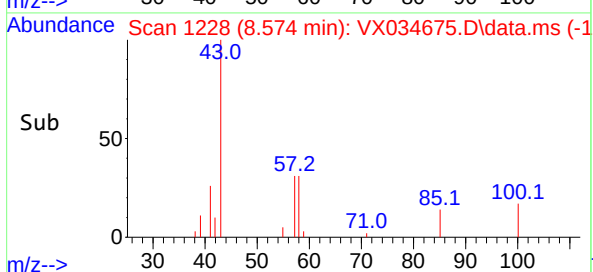
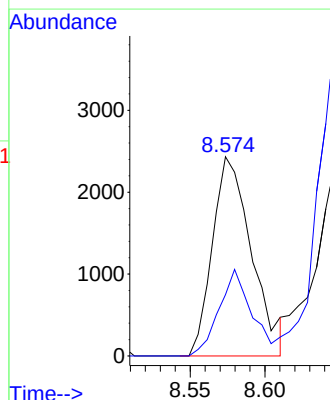
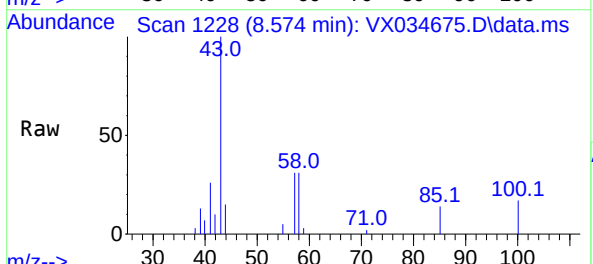
Acq: 22 Mar 2023 16:23

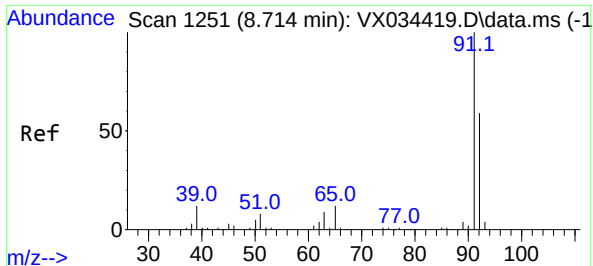
Tgt Ion: 43 Resp: 4438

Ion Ratio Lower Upper

43 100

58 35.8 30.6 46.0

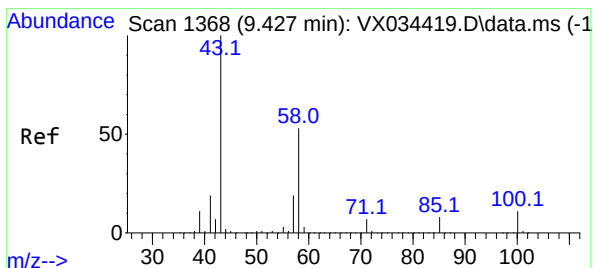
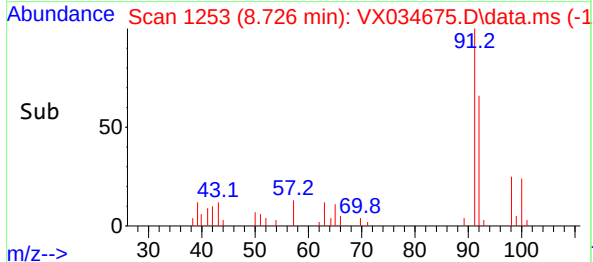
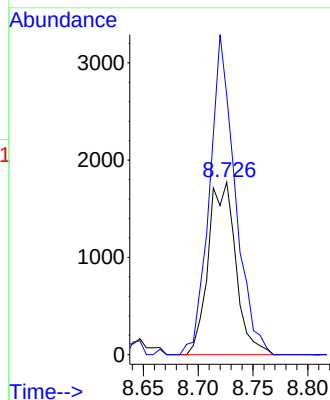
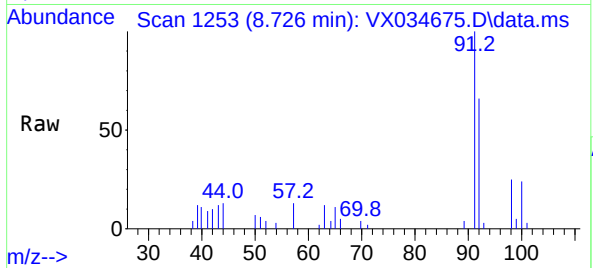




#52
Toluene
Concen: 0.299 ug/l
RT: 8.726 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

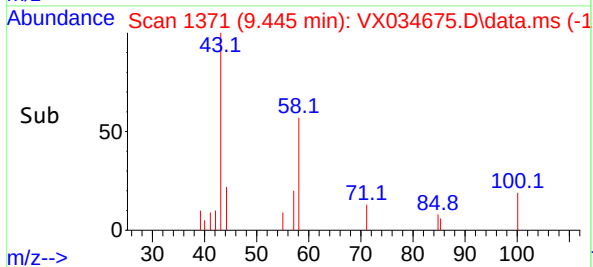
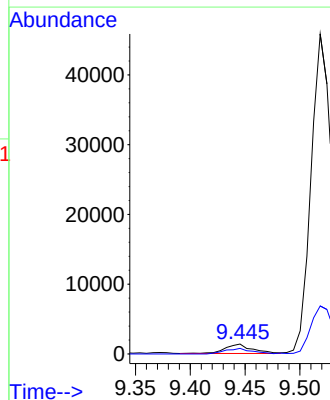
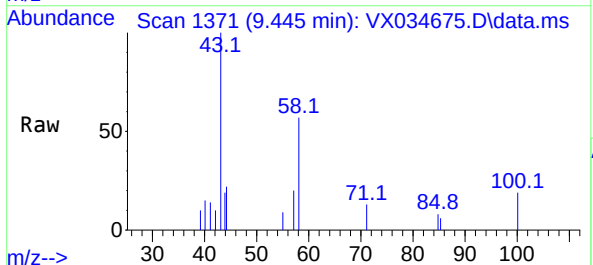
Instrument :
MSVOA_X
ClientSampleId :
GW-CB05-20-25-032123

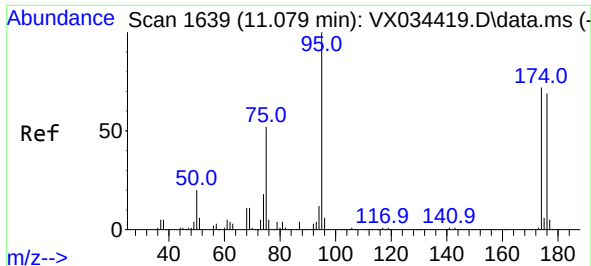
Tgt Ion: 92 Resp: 3101
Ion Ratio Lower Upper
92 100
91 172.1 136.8 205.2



#59
2-Hexanone
Concen: 0.473 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.018 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Tgt Ion: 43 Resp: 2252
Ion Ratio Lower Upper
43 100
58 63.9 26.3 78.9

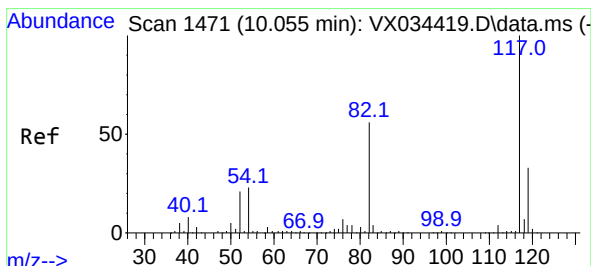
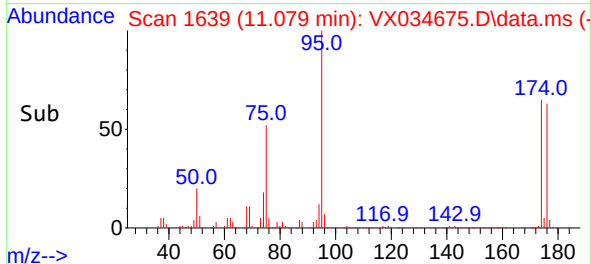
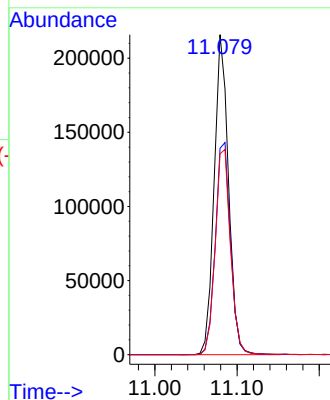
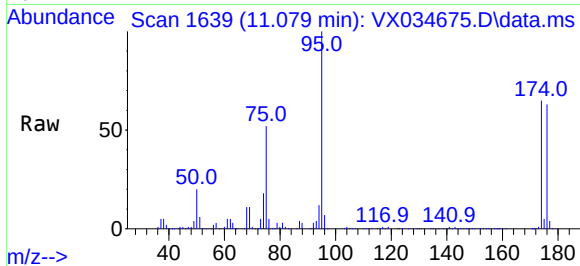




#62
4-Bromofluorobenzene
Concen: 46.547 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

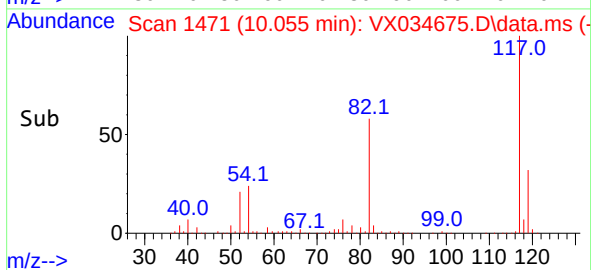
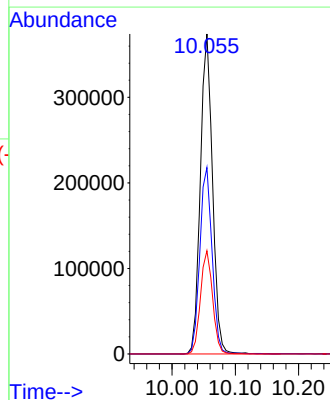
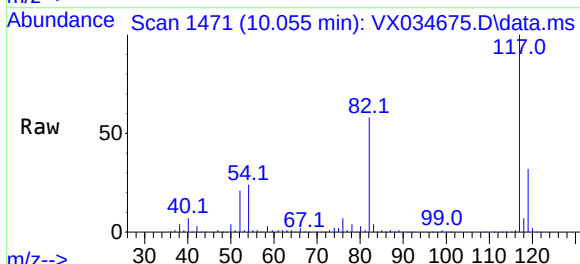
Instrument :
MSVOA_X
ClientSampleId :
GW-CB05-20-25-032123

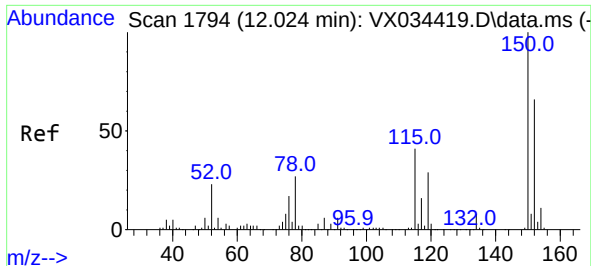
Tgt Ion: 95 Resp: 262115
Ion Ratio Lower Upper
95 100
174 70.3 0.0 147.4
176 68.1 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Tgt Ion: 117 Resp: 501011
Ion Ratio Lower Upper
117 100
82 58.2 45.0 67.4
119 32.2 26.0 39.0

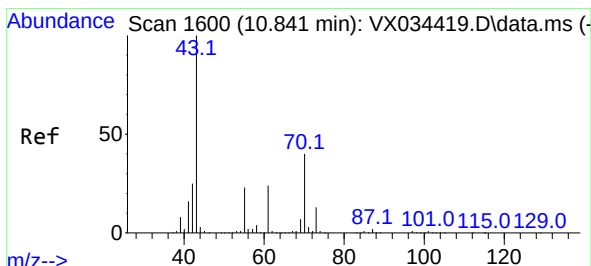
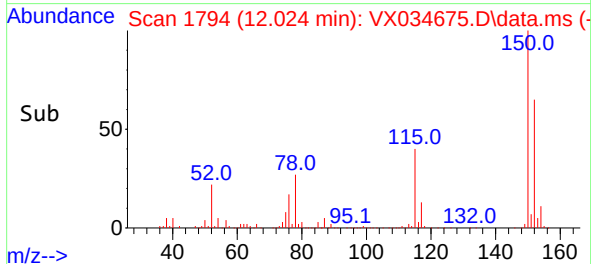
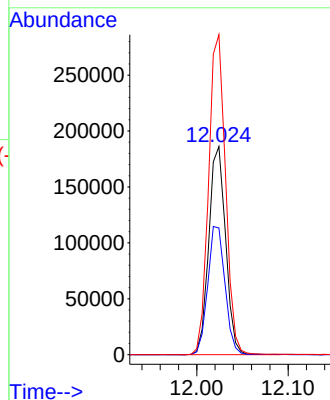
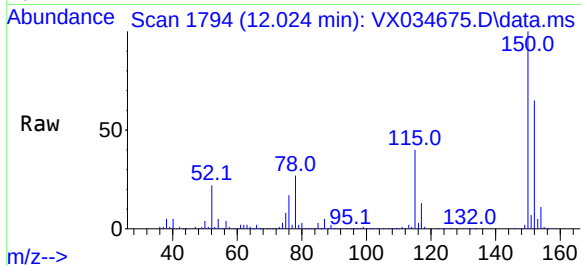




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

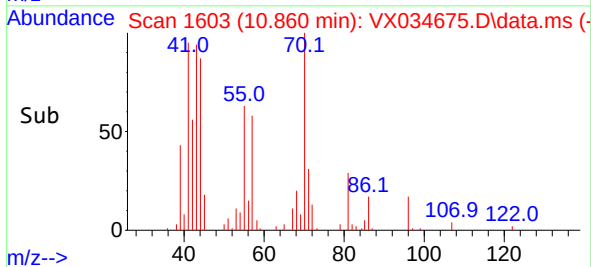
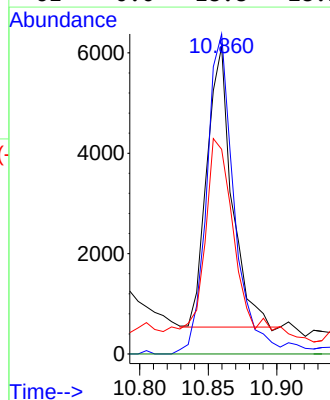
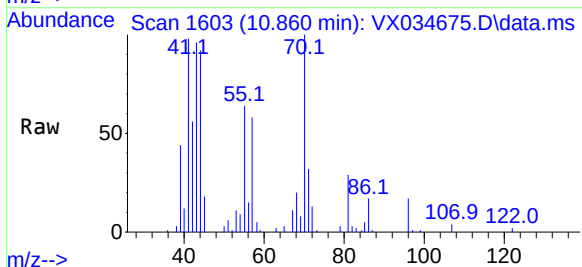
Instrument :
MSVOA_X
ClientSampleId :
GW-CB05-20-25-032123

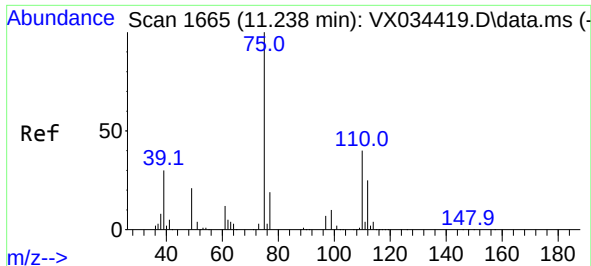
Tgt Ion:152 Resp: 237526
Ion Ratio Lower Upper
152 100
115 63.4 45.0 135.0
150 154.4 0.0 352.4



#74
N-ethyl acetate
Concen: 0.805 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Tgt Ion: 43 Resp: 7080
Ion Ratio Lower Upper
43 100
70 125.3 32.1 48.1#
55 89.4 18.3 27.5#
61 0.0 18.8 28.2#

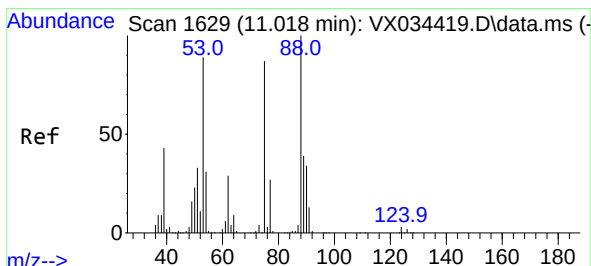
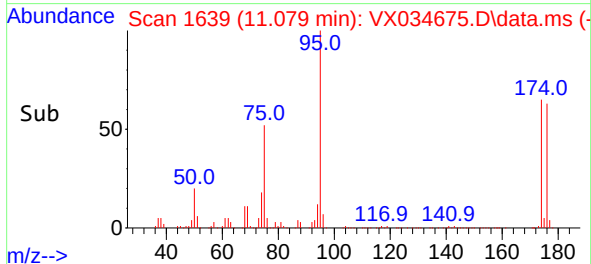
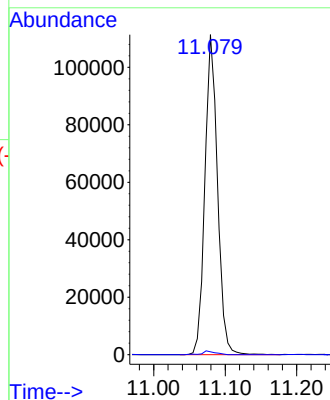
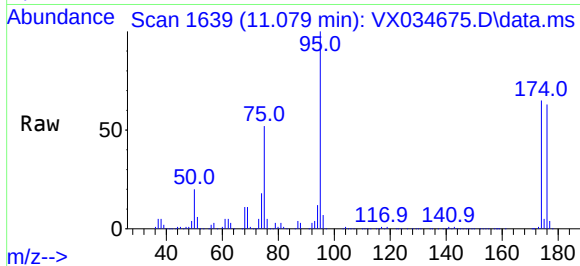




#76
1,2,3-Trichloropropane
Concen: 24.972 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Instrument :
MSVOA_X
ClientSampleId :
GW-CB05-20-25-032123

Tgt Ion: 75 Resp: 136193
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.556 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034675.D
Acq: 22 Mar 2023 16:23

Tgt Ion: 75 Resp: 136193
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

