

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050523\
 Data File : VX035530.D
 Acq On : 05 May 2023 12:56
 Operator : JC/MD
 Sample : 02631-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-07B-24-29-050423

Quant Time: May 08 00:50:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

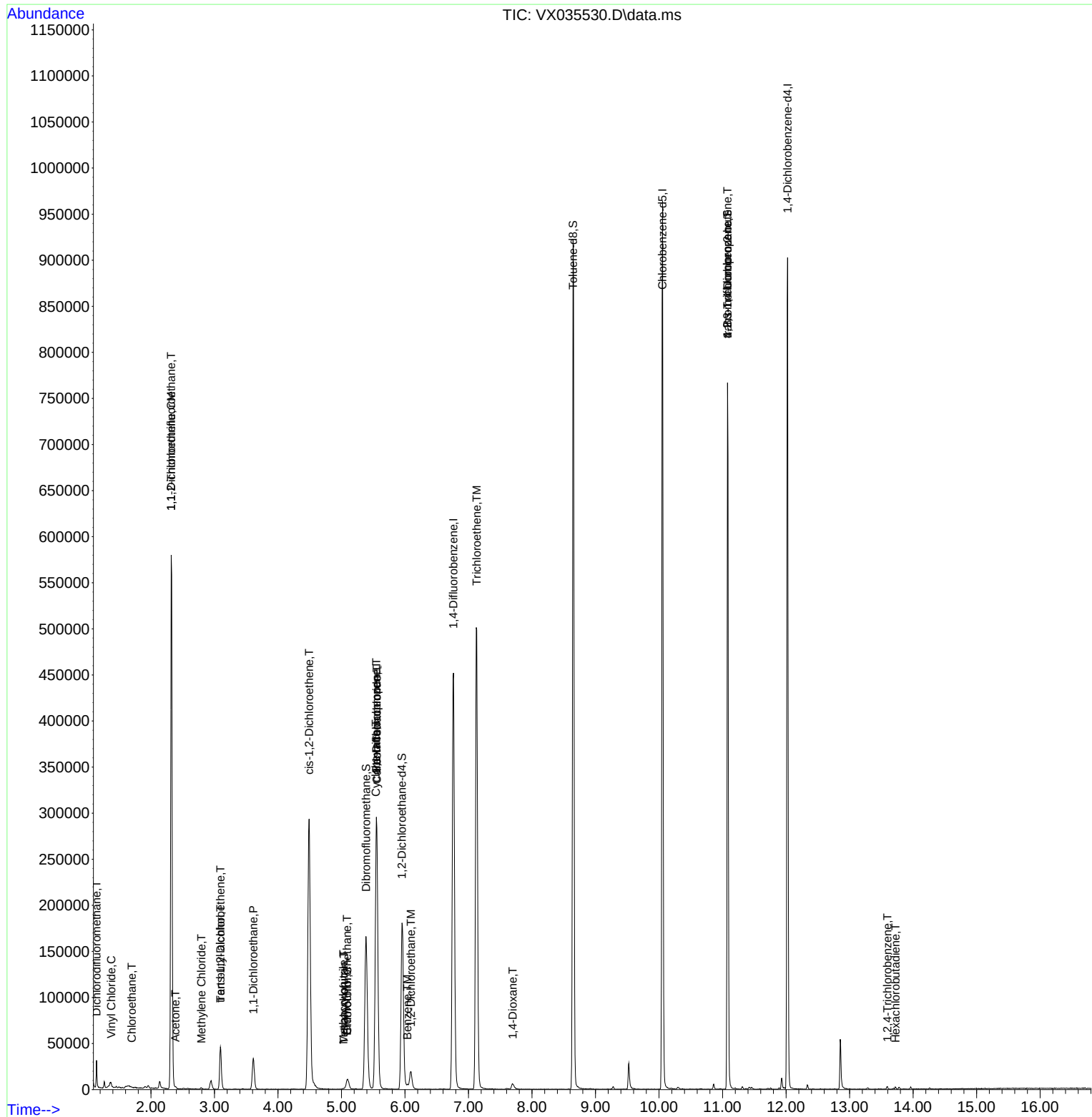
Internal Standards						
1) Pentafluorobenzene	5.550	168	284300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	479658	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	436976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	197059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	176717	51.522	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.040%	
35) Dibromofluoromethane	5.385	113	147849	50.220	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.440%	
50) Toluene-d8	8.647	98	557339	50.185	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.360%	
62) 4-Bromofluorobenzene	11.079	95	215368	51.551	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.100%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.142	85	1491	0.496	ug/l	100
4) Vinyl Chloride	1.374	62	1288	0.469	ug/l	88
6) Chloroethane	1.697	64	386	0.240	ug/l #	80
9) 1,1,2-Trichlorotrifluo...	2.319	101	648	0.226	ug/l #	28
11) Tert butyl alcohol	3.093	59	948	1.518	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	194534	70.451	ug/l	100
16) Acetone	2.386	43	1950	1.309	ug/l	92
20) Methylene Chloride	2.794	84	719	0.210	ug/l #	72
21) trans-1,2-Dichloroethene	3.093	96	19169	6.392	ug/l	99
24) 1,1-Dichloroethane	3.611	63	37797	6.978	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	190948	54.168	ug/l	87
28) Bromochloromethane	5.086	49	1031	0.447	ug/l #	15
29) Tetrahydrofuran	5.038	42	579	0.415	ug/l #	79
30) Chloroform	5.092	83	14024	2.565	ug/l	91
31) Cyclohexane	5.544	56	5800	1.192	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	21189	4.609	ug/l #	50
38) Carbon Tetrachloride	5.556	117	28433	6.516	ug/l #	15
40) Benzene	6.037	78	4289	0.325	ug/l	98
41) Methacrylonitrile	5.031	41	650	0.270	ug/l #	28
42) 1,2-Dichloroethane	6.092	62	22293	4.741	ug/l	96
44) Trichloroethene	7.129	130	204257	56.226	ug/l	98
49) 1,4-Dioxane	7.696	88	6801	80.626	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	106215	27.021	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	106215	87.515	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.597	180	1034	0.242	ug/l	86
94) Hexachlorobutadiene	13.725	225	442	0.235	ug/l	78

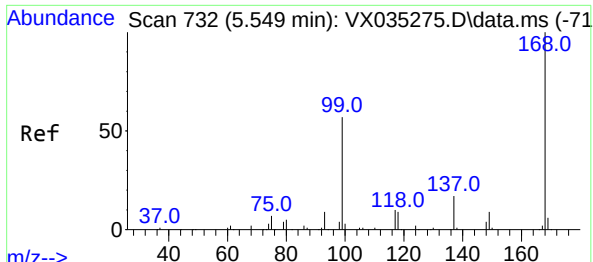
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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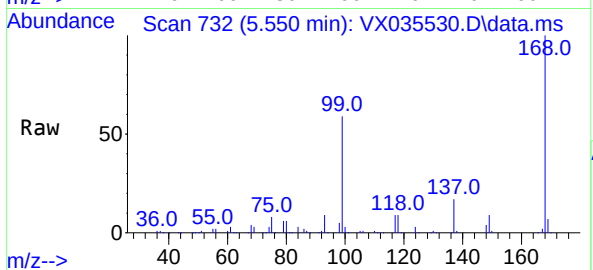
Quant Time: May 08 00:50:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
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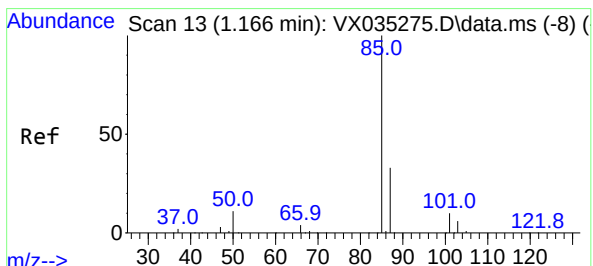
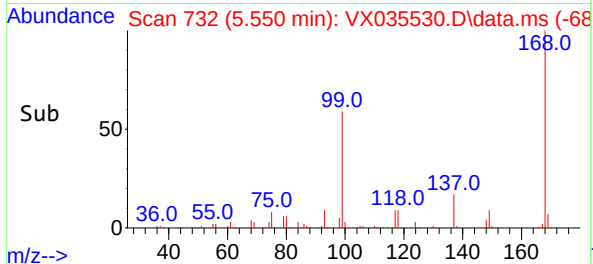
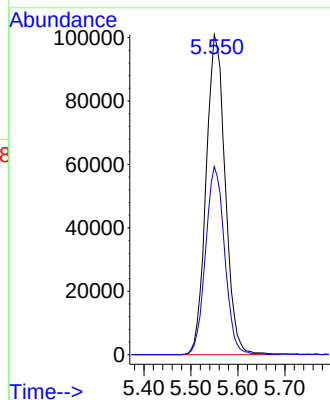


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423

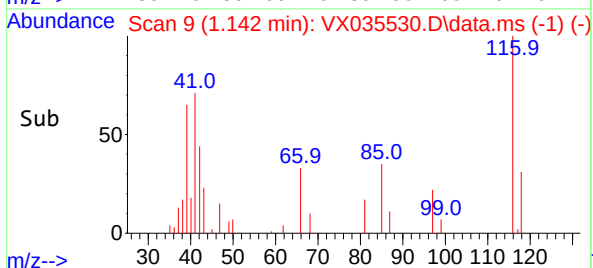
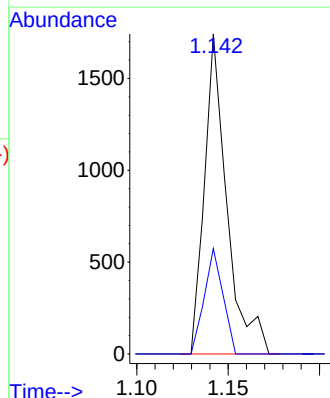
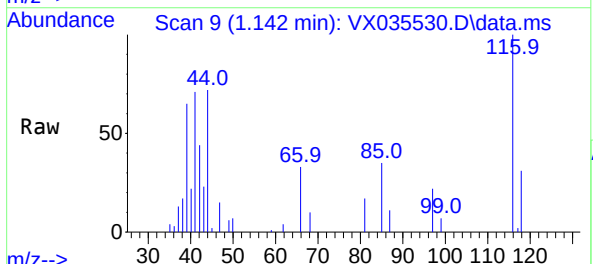


Tgt Ion:168 Resp: 284300
Ion Ratio Lower Upper
168 100
99 58.8 45.7 68.5

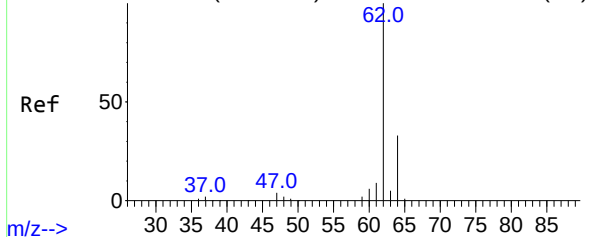


#2
Dichlorodifluoromethane
Concen: 0.496 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Tgt Ion: 85 Resp: 1491
Ion Ratio Lower Upper
85 100
87 33.0 16.4 49.1



Abundance Scan 47 (1.373 min): VX035275.D\data.ms (-42)



#4

Vinyl Chloride

Concen: 0.469 ug/l

RT: 1.374 min Scan# 41

Delta R.T. 0.001 min

Lab File: VX035530.D

Acq: 05 May 2023 12:56

Instrument :

MSVOA_X

ClientSampleId :

GWOW-07B-24-29-050423

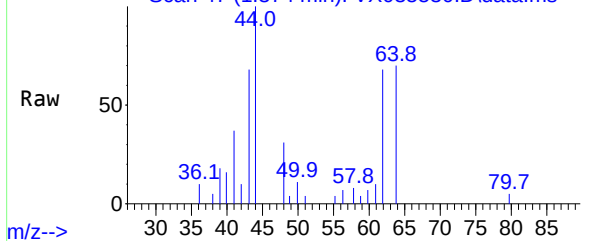
Tgt Ion: 62 Resp: 1288

Ion Ratio Lower Upper

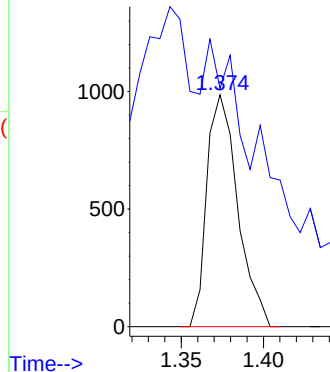
62 100

64 39.6 26.4 39.6

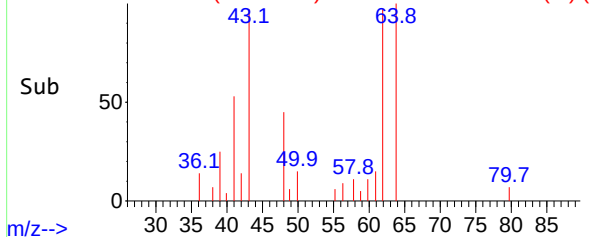
Abundance Scan 47 (1.374 min): VX035530.D\data.ms



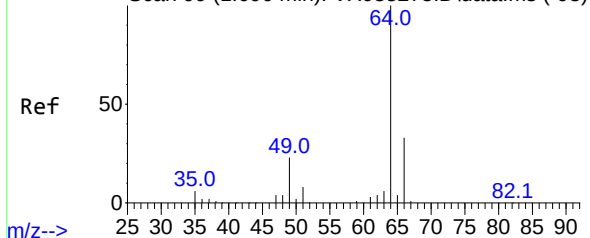
Abundance



Abundance Scan 47 (1.374 min): VX035530.D\data.ms (-1)



Abundance Scan 99 (1.690 min): VX035275.D\data.ms (-93)



#6

Chloroethane

Concen: 0.240 ug/l

RT: 1.697 min Scan# 100

Delta R.T. 0.007 min

Lab File: VX035530.D

Acq: 05 May 2023 12:56

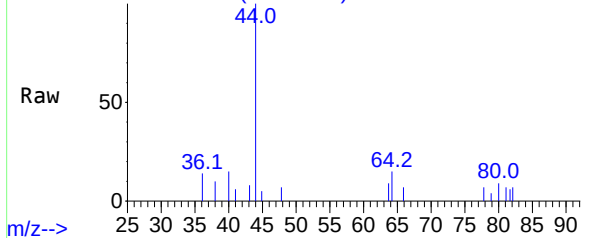
Tgt Ion: 64 Resp: 386

Ion Ratio Lower Upper

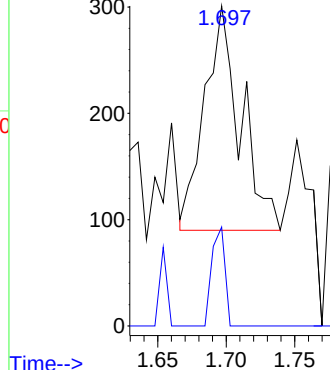
64 100

66 44.1 26.2 39.4#

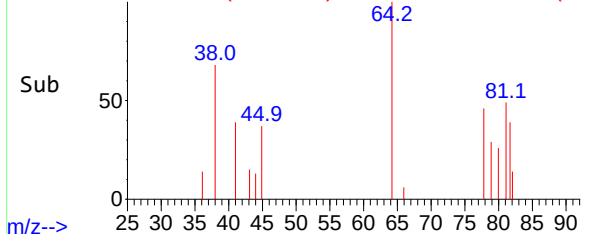
Abundance Scan 100 (1.697 min): VX035530.D\data.ms

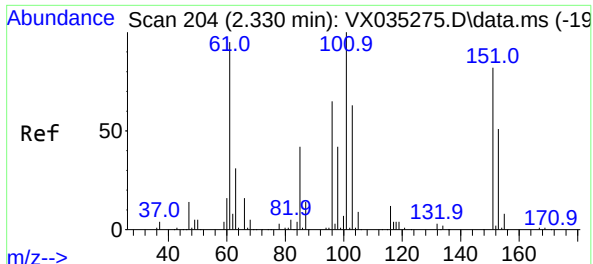


Abundance



Abundance Scan 100 (1.697 min): VX035530.D\data.ms (-50)

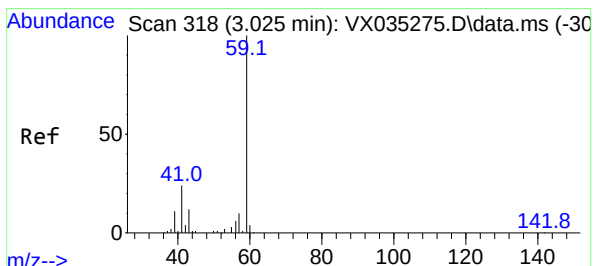
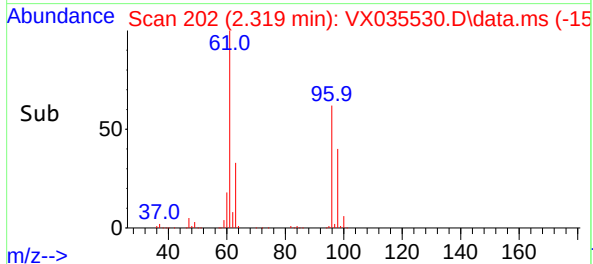
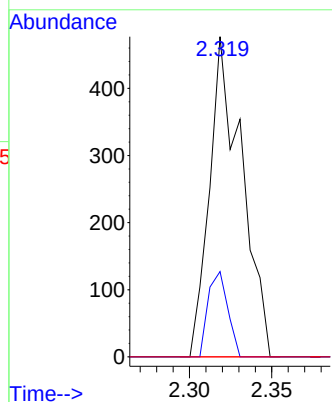
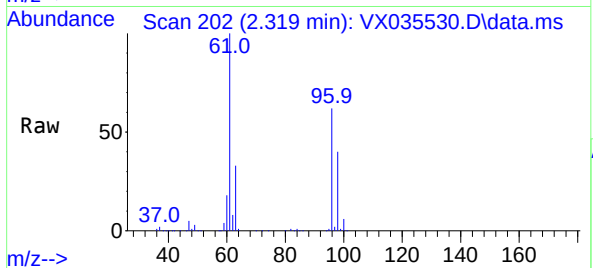




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.226 ug/l
RT: 2.319 min Scan# 204
Delta R.T. -0.011 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

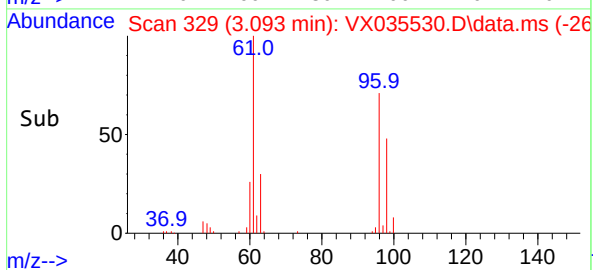
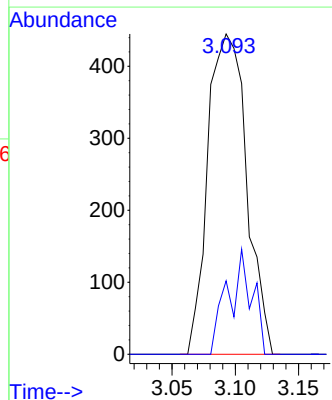
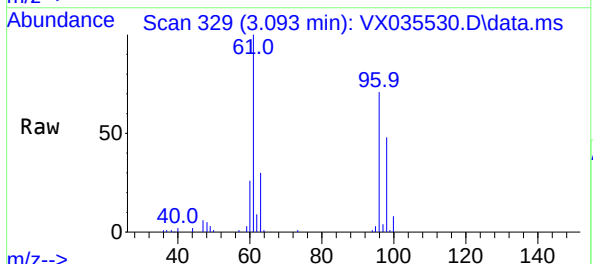
Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423

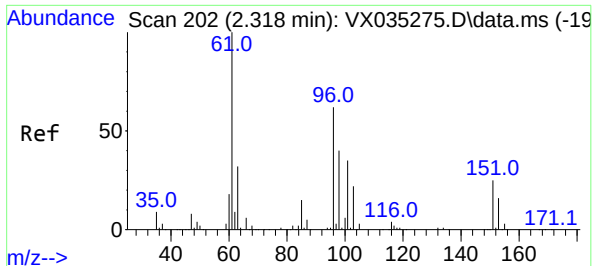
Tgt Ion:101 Resp: 648
Ion Ratio Lower Upper
101 100
85 16.2 35.4 53.2#
151 0.0 60.2 90.4#



#11
Tert butyl alcohol
Concen: 1.518 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.068 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Tgt Ion: 59 Resp: 948
Ion Ratio Lower Upper
59 100
57 20.5 8.1 12.1#

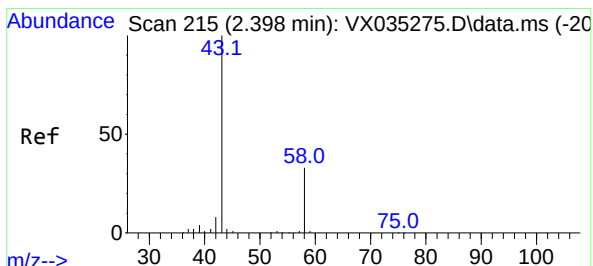
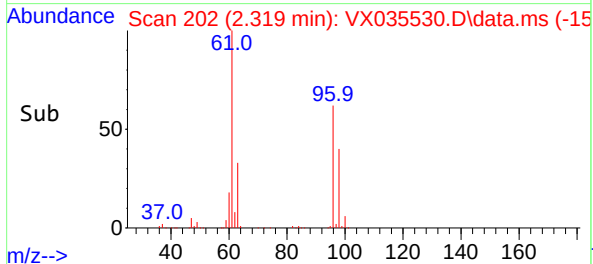
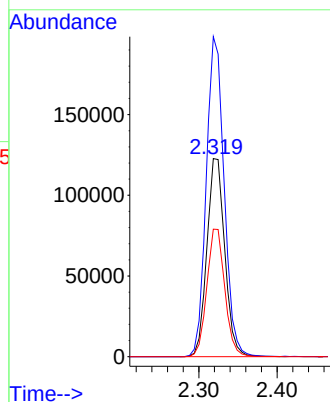
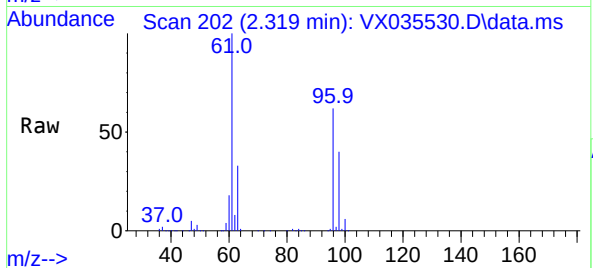




#12
1,1-Dichloroethene
Concen: 70.451 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

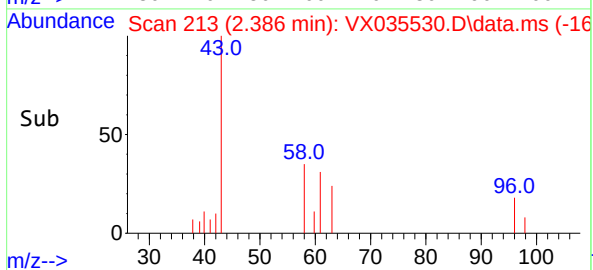
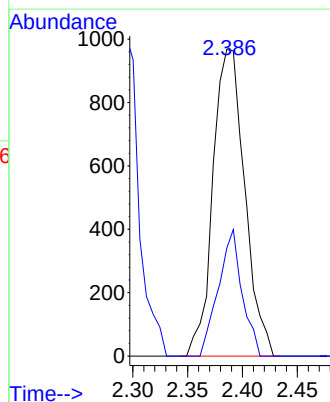
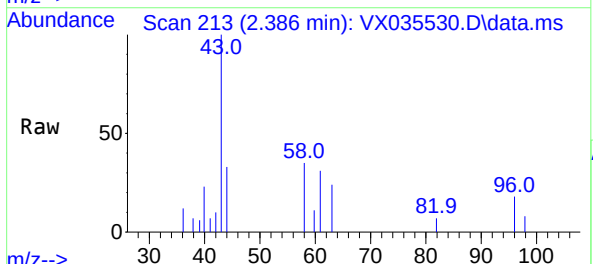
Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423

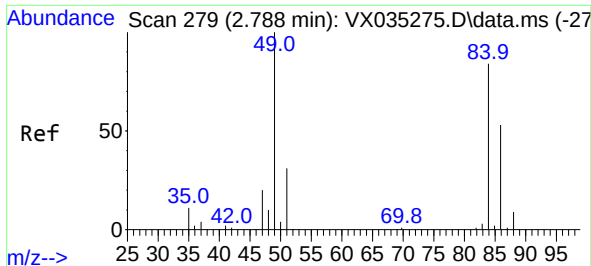
Tgt Ion: 96 Resp: 194534
Ion Ratio Lower Upper
96 100
61 161.6 128.8 193.2
98 64.4 51.4 77.0



#16
Acetone
Concen: 1.309 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
58 35.2 24.7 37.1





#20

Methylene Chloride

Concen: 0.210 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX035530.D

Acq: 05 May 2023 12:56

Instrument :

MSVOA_X

ClientSampleId :

GWOW-07B-24-29-050423

Tgt Ion: 84 Resp: 719

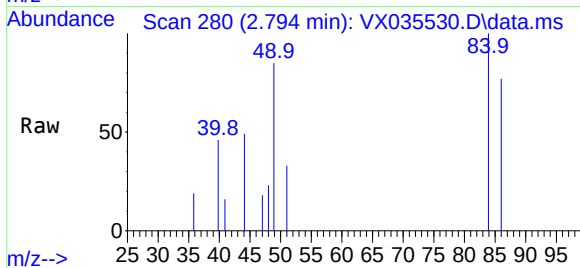
Ion Ratio Lower Upper

84 100

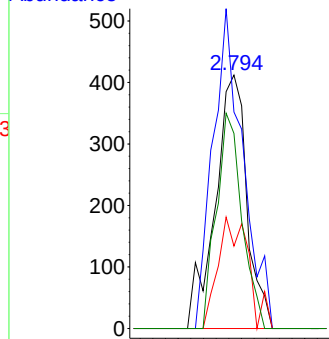
49 85.4 103.8 155.8#

51 32.5 31.8 47.8

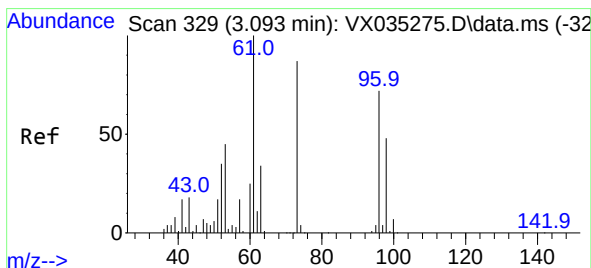
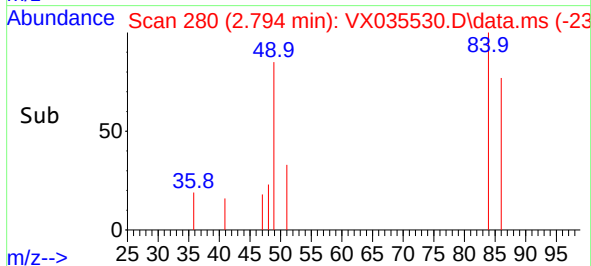
86 76.9 51.4 77.2



Abundance



Time-->



#21

trans-1,2-Dichloroethene

Concen: 6.392 ug/l

RT: 3.093 min Scan# 329

Delta R.T. -0.000 min

Lab File: VX035530.D

Acq: 05 May 2023 12:56

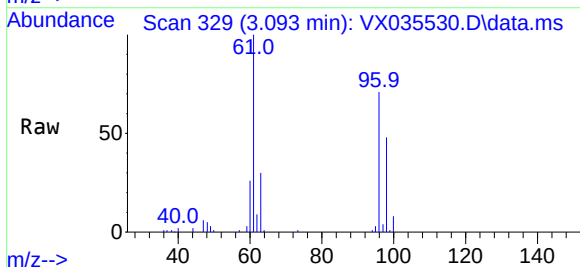
Tgt Ion: 96 Resp: 19169

Ion Ratio Lower Upper

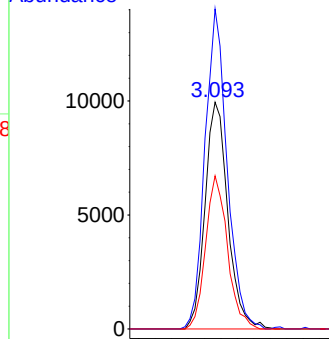
96 100

61 141.2 113.0 169.6

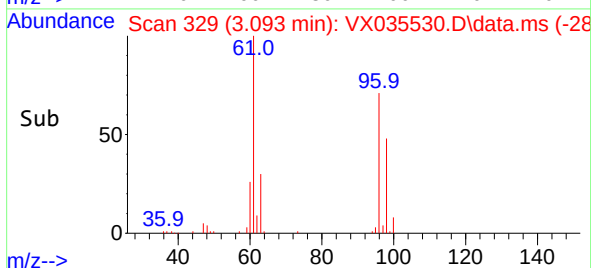
98 67.6 52.1 78.1

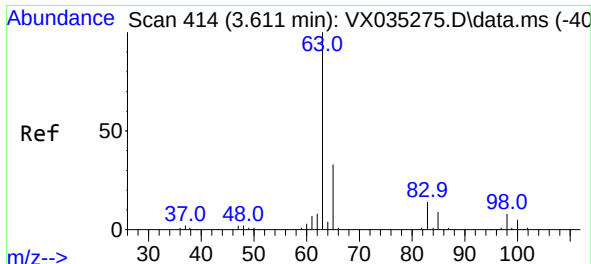


Abundance



Time-->

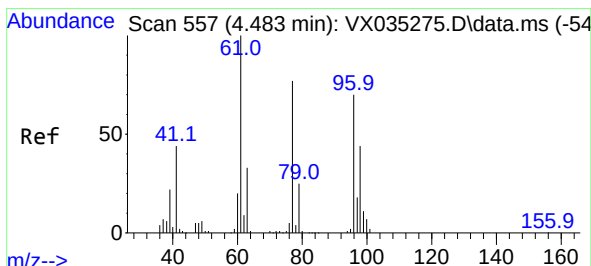
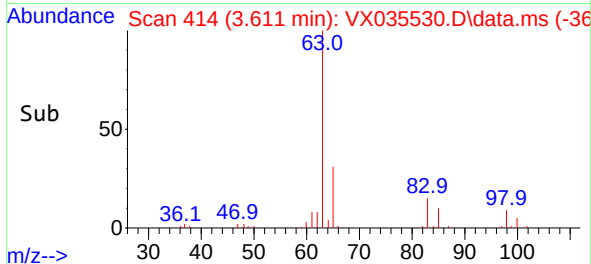
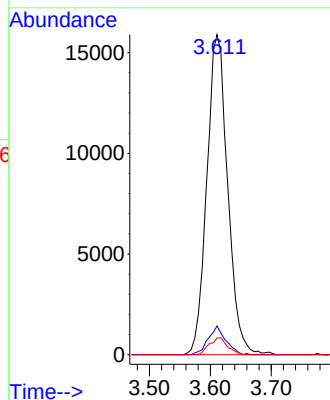
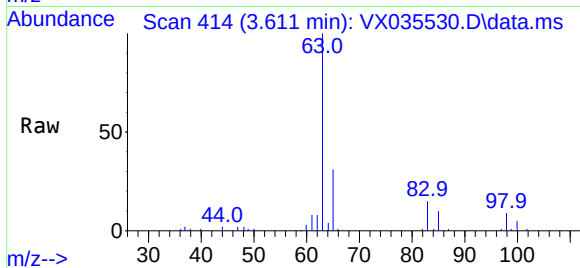




#24
1,1-Dichloroethane
Concen: 6.978 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

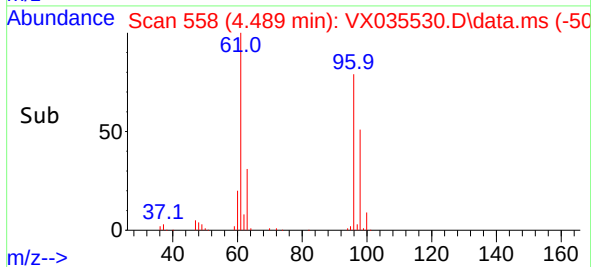
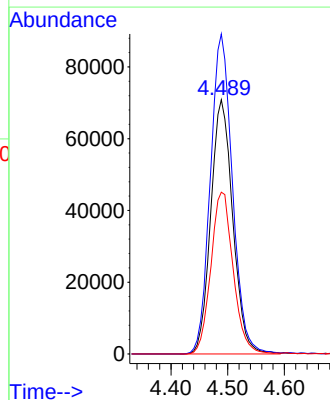
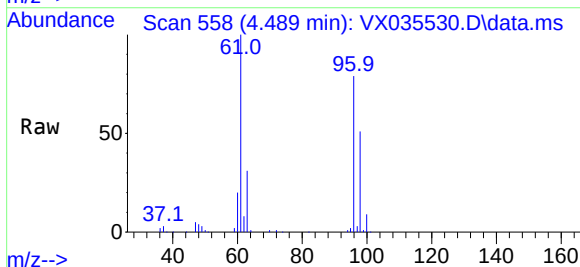
Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423

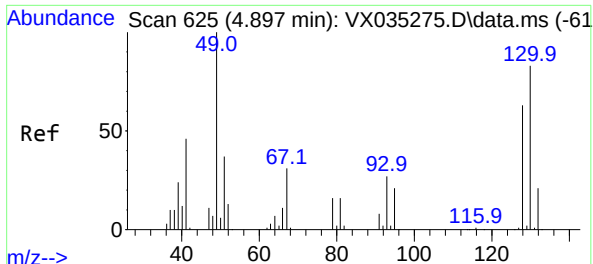
Tgt Ion:	63	Resp:	37797
Ion	Ratio	Lower	Upper
63	100		
98	9.0	3.8	11.2
100	5.2	2.4	7.1



#27
cis-1,2-Dichloroethene
Concen: 54.168 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Tgt Ion:	96	Resp:	190948
Ion	Ratio	Lower	Upper
96	100		
61	126.1	0.0	300.4
98	64.5	0.0	129.0

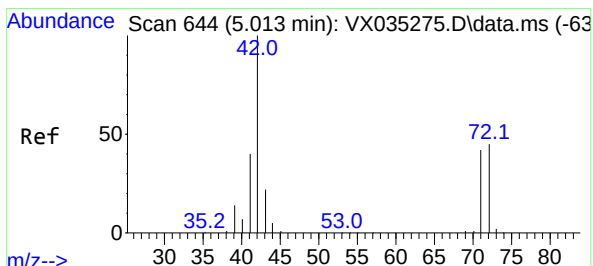
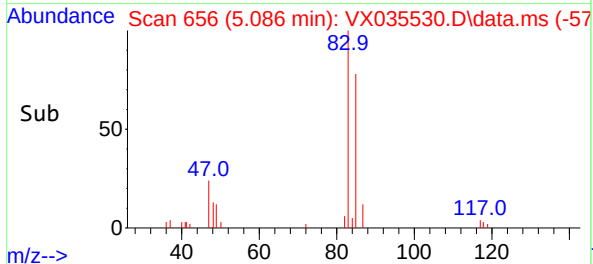
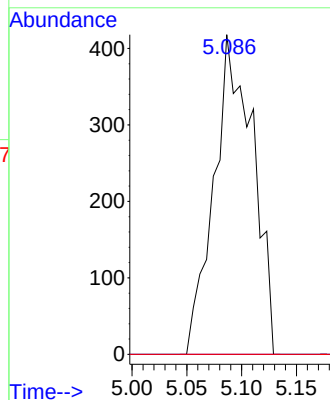
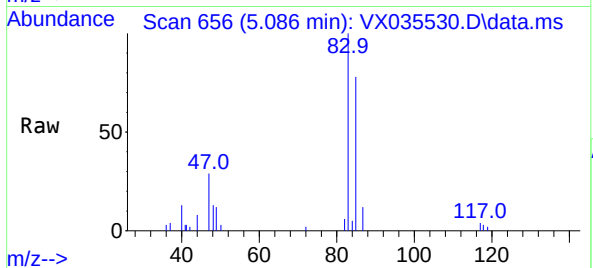




#28
Bromochloromethane
Concen: 0.447 ug/l
RT: 5.086 min Scan# 61
Delta R.T. 0.189 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

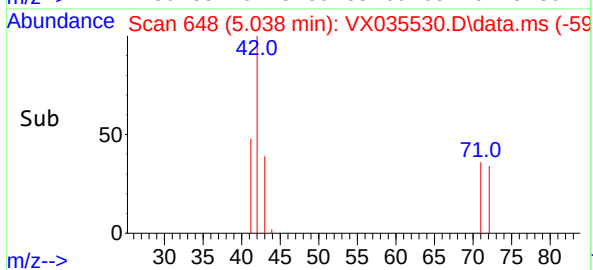
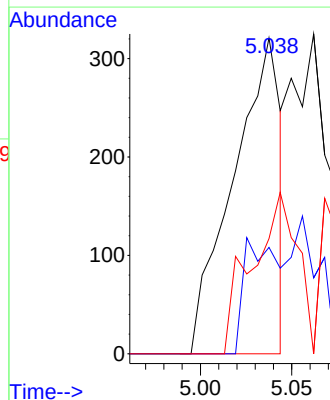
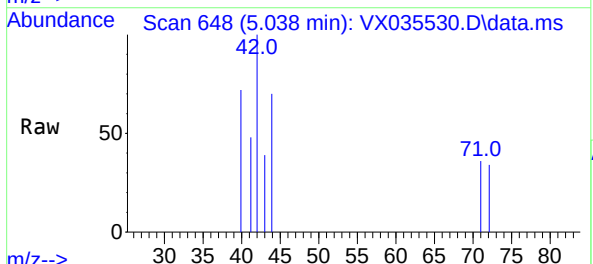
Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423

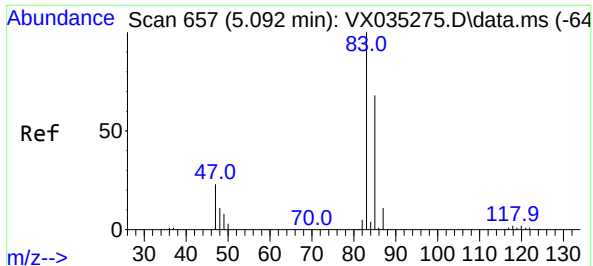
Tgt Ion: 49 Resp: 1031
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#



#29
Tetrahydrofuran
Concen: 0.415 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Tgt Ion: 42 Resp: 579
Ion Ratio Lower Upper
42 100
72 25.7 34.5 51.7#
71 48.7 32.1 48.1#





#30

Chloroform

Concen: 2.565 ug/l

RT: 5.092 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX035530.D

Acq: 05 May 2023 12:56

Instrument :

MSVOA_X

ClientSampleId :

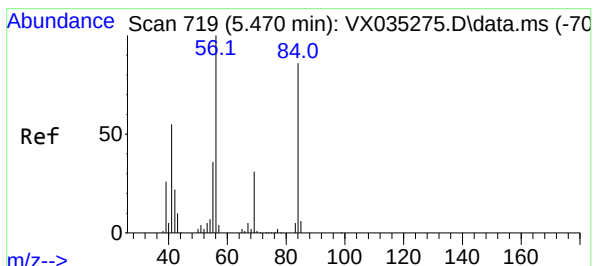
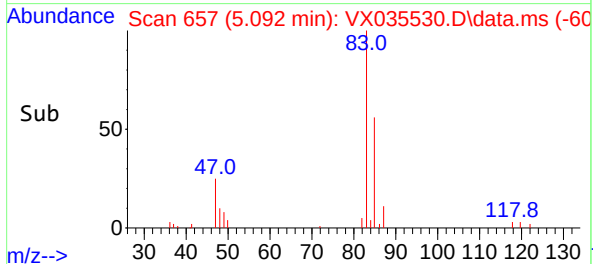
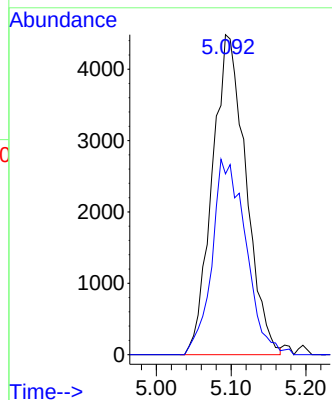
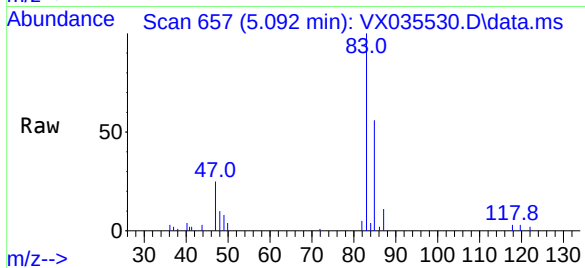
GWOW-07B-24-29-050423

Tgt Ion: 83 Resp: 14024

Ion Ratio Lower Upper

83 100

85 56.5 50.6 76.0



#31

Cyclohexane

Concen: 1.192 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX035530.D

Acq: 05 May 2023 12:56

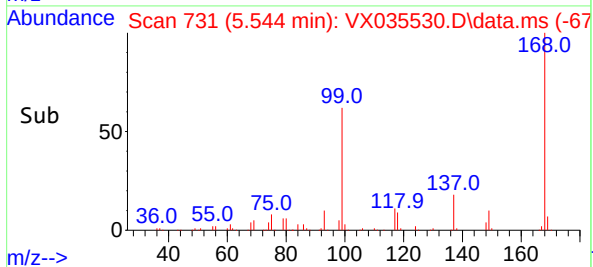
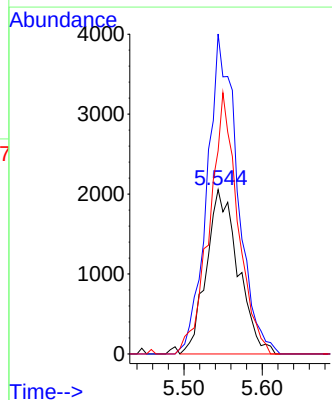
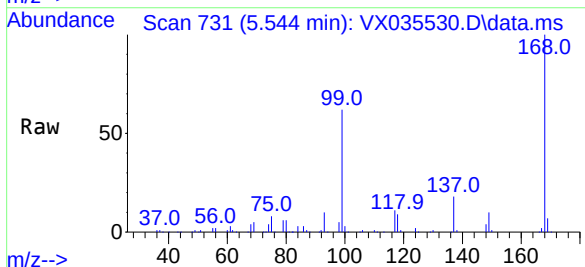
Tgt Ion: 56 Resp: 5800

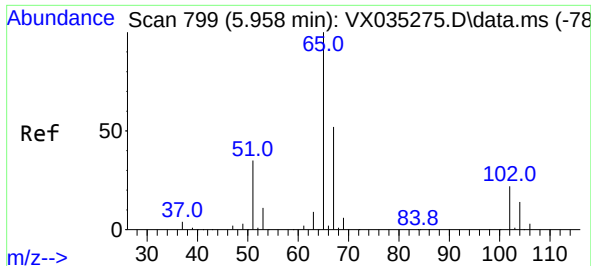
Ion Ratio Lower Upper

56 100

69 194.8 23.7 35.5#

84 123.6 68.5 102.7#

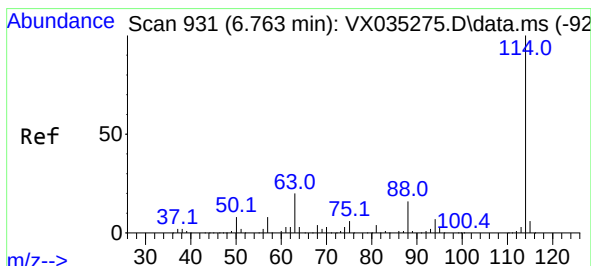
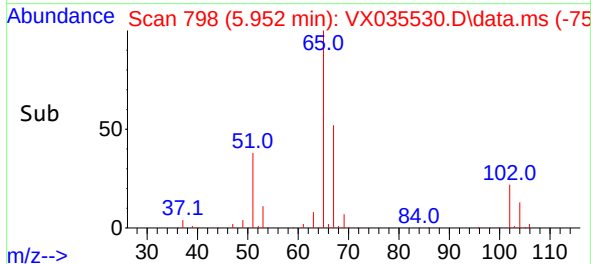
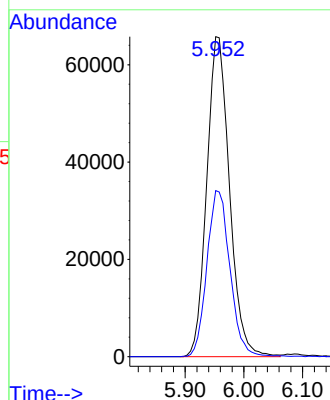
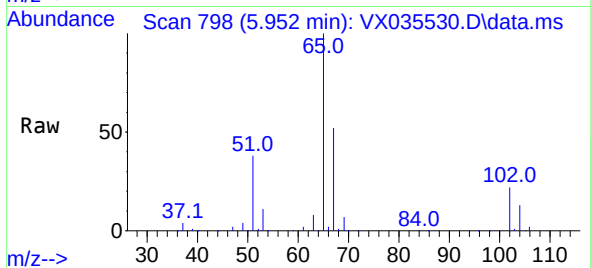




#33
 1,2-Dichloroethane-d4
 Concen: 51.522 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX035530.D
 Acq: 05 May 2023 12:56

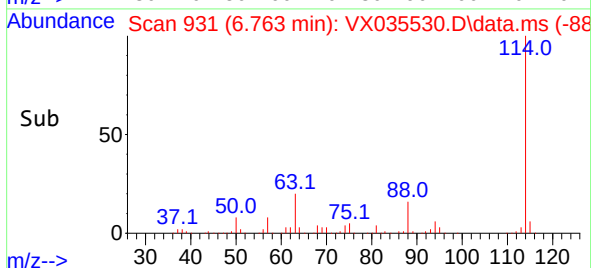
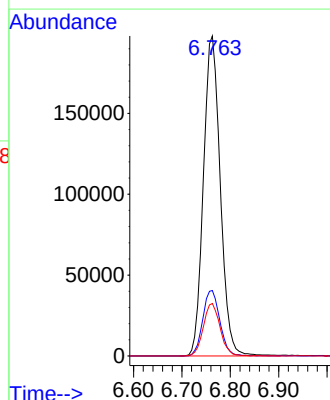
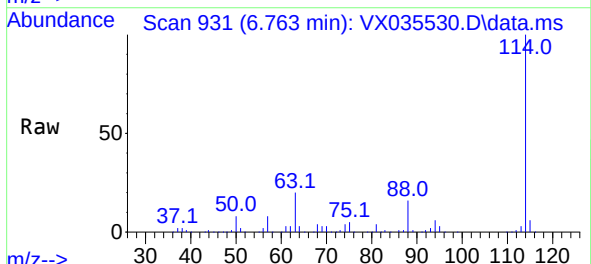
Instrument : MSVOA_X
 ClientSampleId : GWOW-07B-24-29-050423

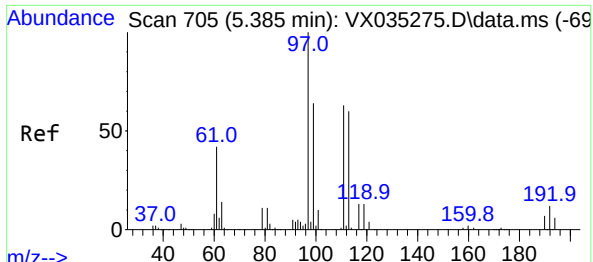
Tgt Ion: 65 Resp: 176717
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX035530.D
 Acq: 05 May 2023 12:56

Tgt Ion: 114 Resp: 479658
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.2
 88 16.4 0.0 33.2

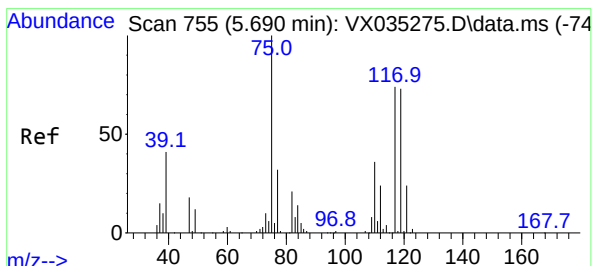
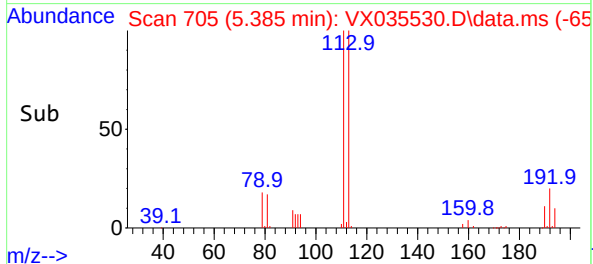
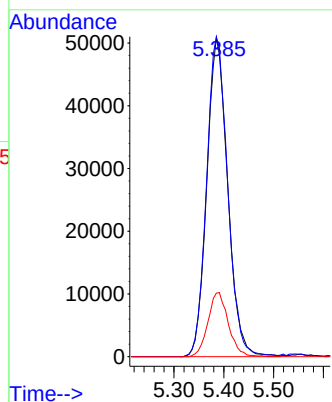
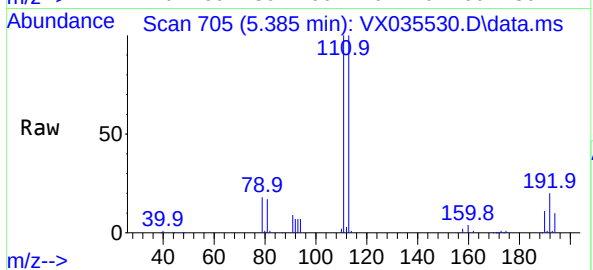




#35
Dibromofluoromethane
Concen: 50.220 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

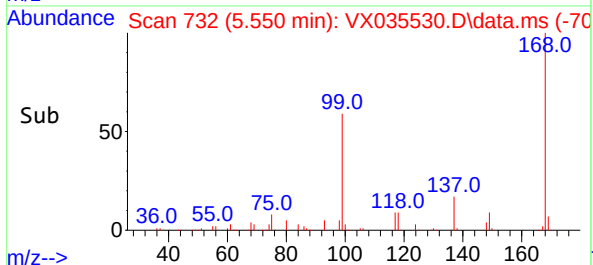
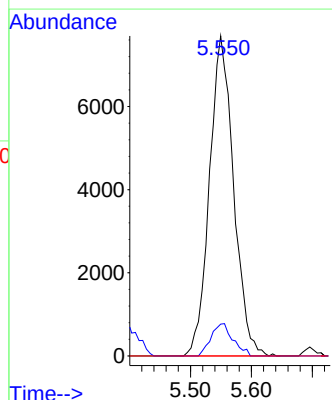
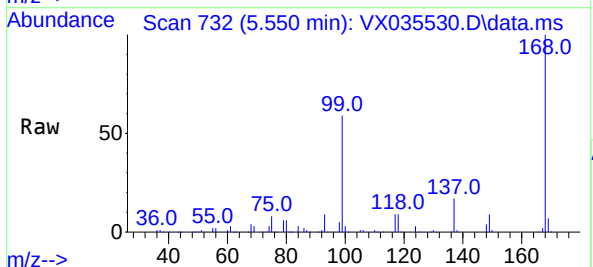
Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423

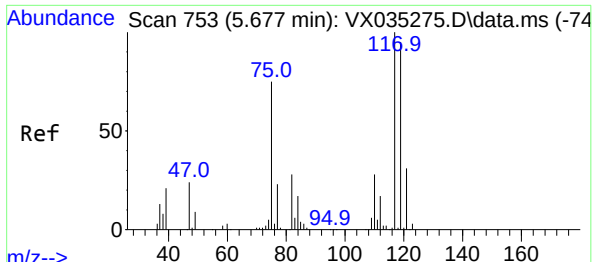
Tgt Ion:113 Resp: 147849
Ion Ratio Lower Upper
113 100
111 101.6 83.7 125.5
192 19.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.609 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

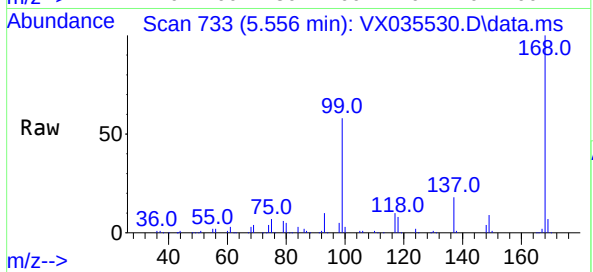
Tgt Ion: 75 Resp: 21189
Ion Ratio Lower Upper
75 100
110 9.2 17.5 52.5#
77 0.0 24.3 36.5#



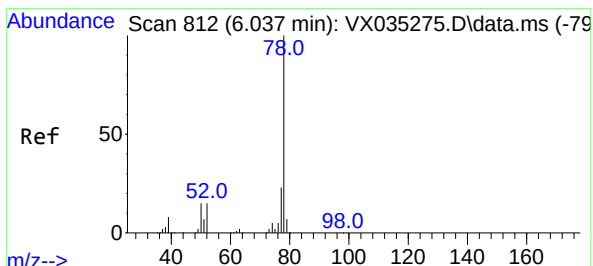
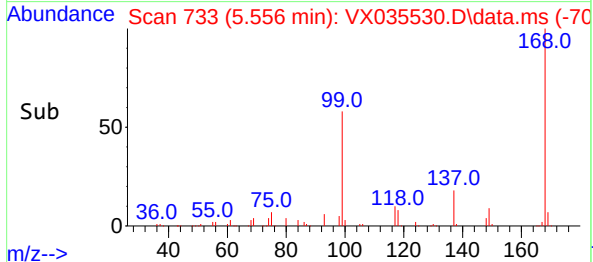
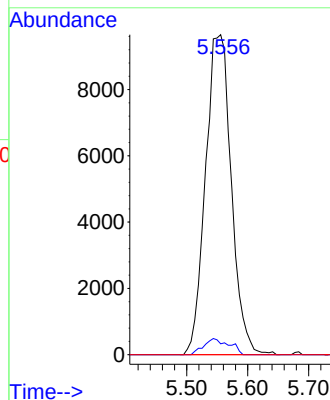


#38
Carbon Tetrachloride
Concen: 6.516 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423

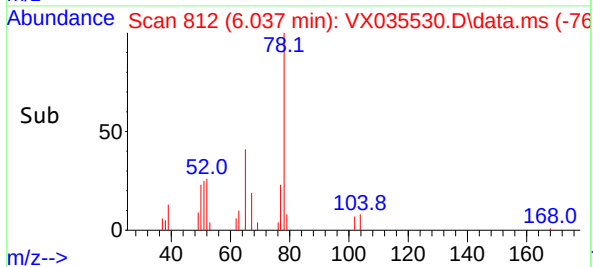
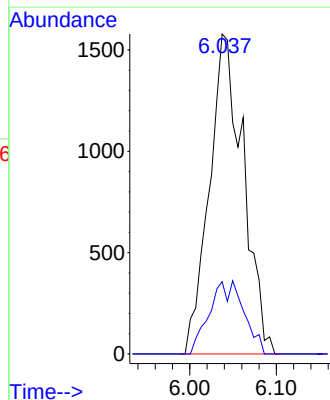
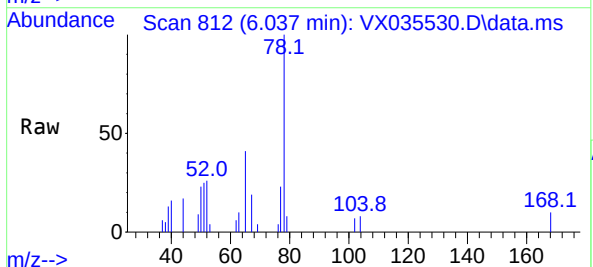


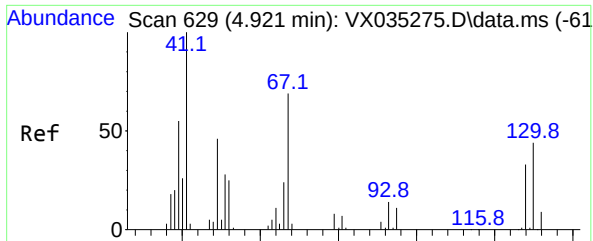
Tgt Ion:117 Resp: 28433
Ion Ratio Lower Upper
117 100
119 3.4 76.6 114.8#
121 0.0 23.8 35.6#



#40
Benzene
Concen: 0.325 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

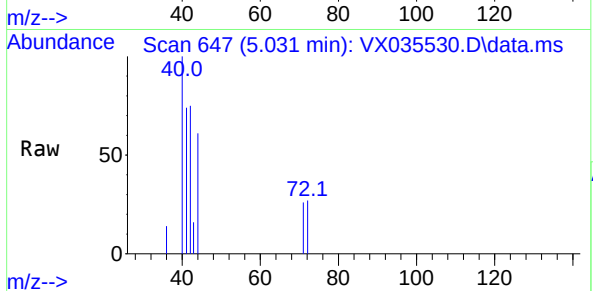
Tgt Ion: 78 Resp: 4289
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.4





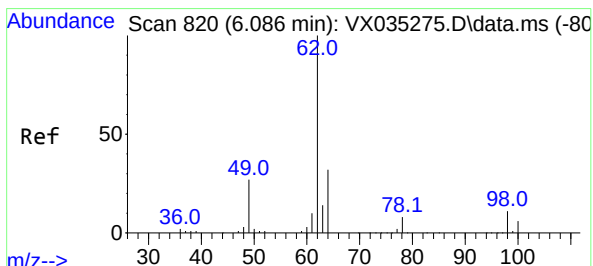
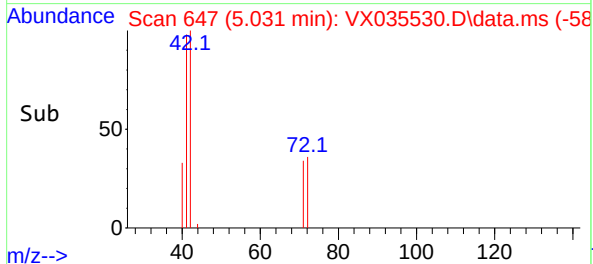
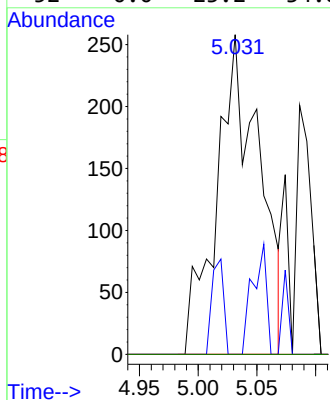
#41
Methacrylonitrile
Concen: 0.270 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423



Tgt Ion: 41 Resp: 650

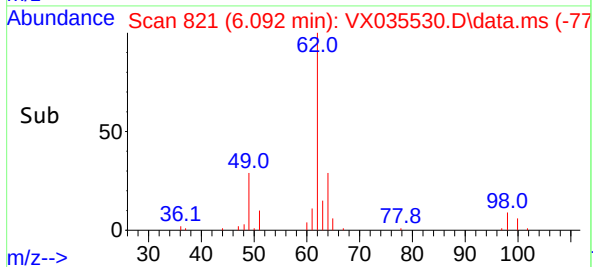
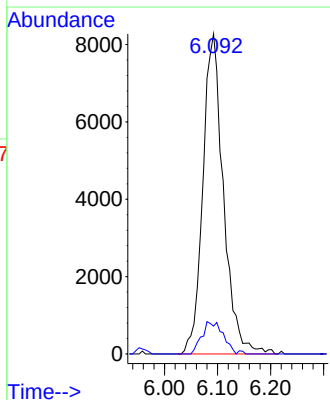
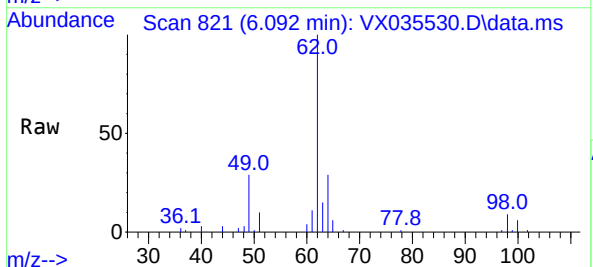
Ion	Ratio	Lower	Upper
41	100		
39	8.2	45.0	67.6#
67	0.0	55.6	83.4#
52	0.0	23.2	34.8#

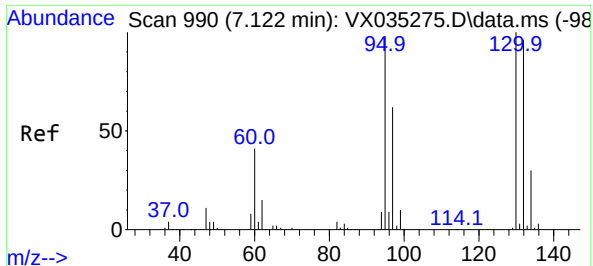


#42
1,2-Dichloroethane
Concen: 4.741 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Tgt Ion: 62 Resp: 22293

Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	18.0

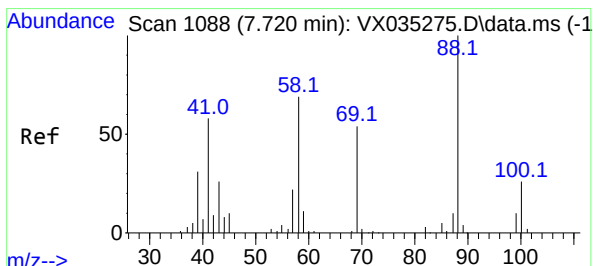
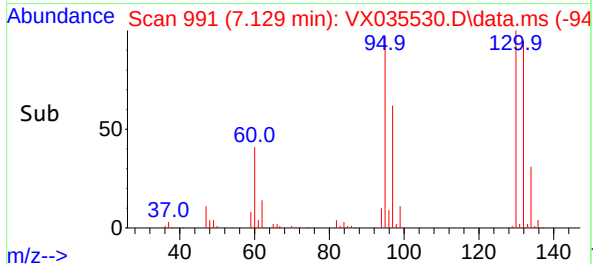
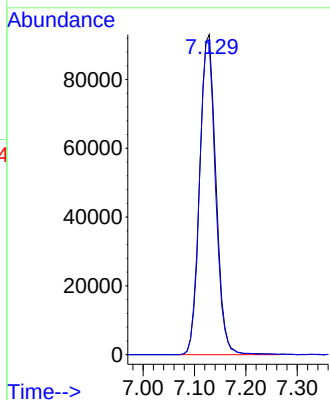
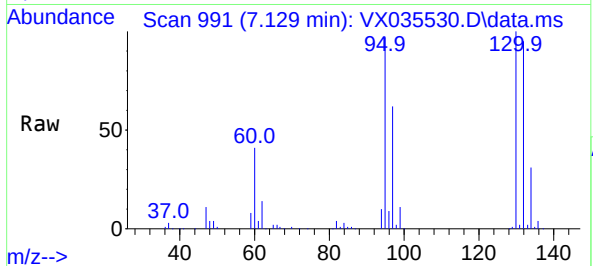




#44
Trichloroethene
Concen: 56.226 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

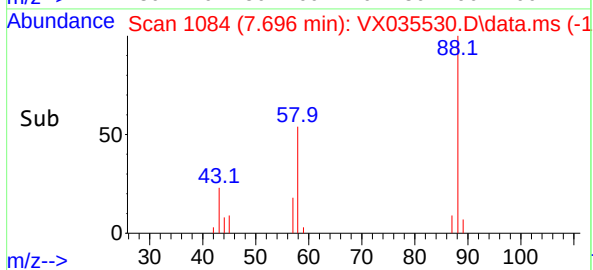
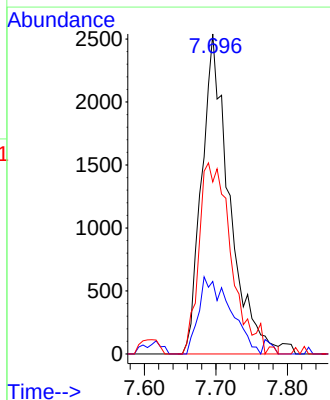
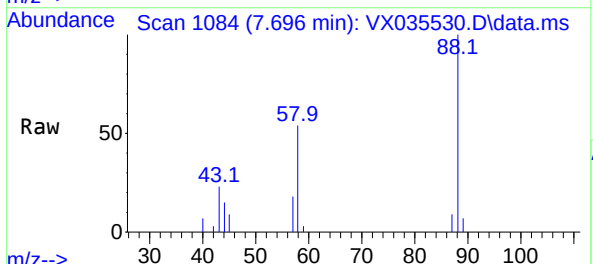
Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423

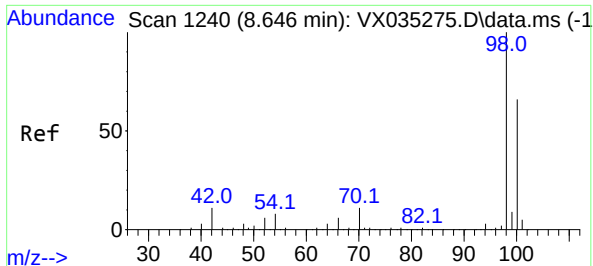
Tgt Ion:130 Resp: 204257
Ion Ratio Lower Upper
130 100
95 97.1 0.0 198.4



#49
1,4-Dioxane
Concen: 80.626 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.024 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Tgt Ion: 88 Resp: 6801
Ion Ratio Lower Upper
88 100
43 27.7 27.7 41.5
58 70.1 56.8 85.2

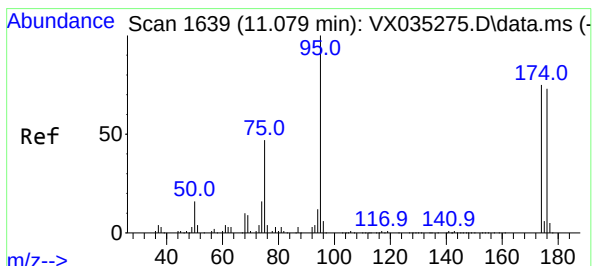
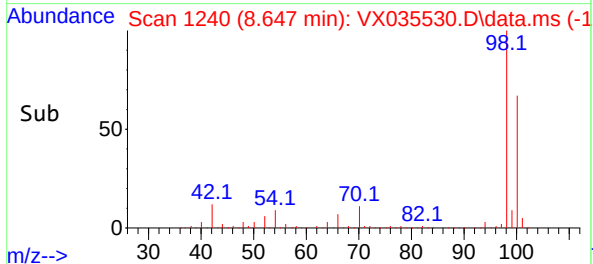
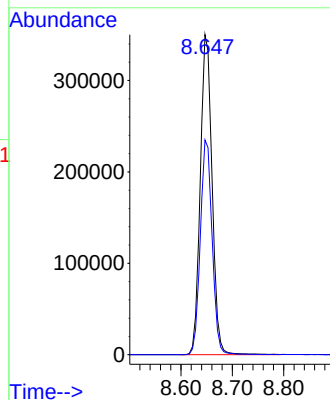
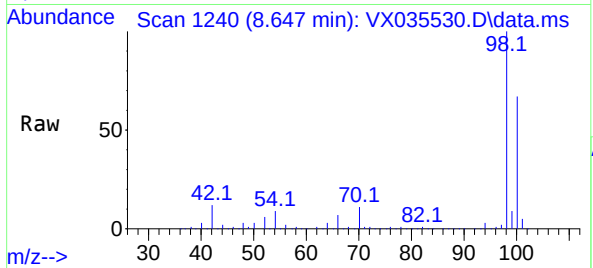




#50
Toluene-d8
Concen: 50.185 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

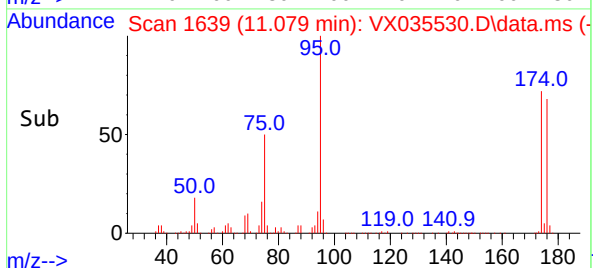
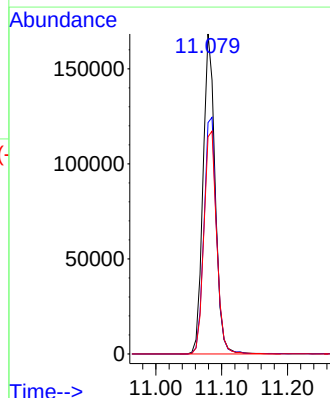
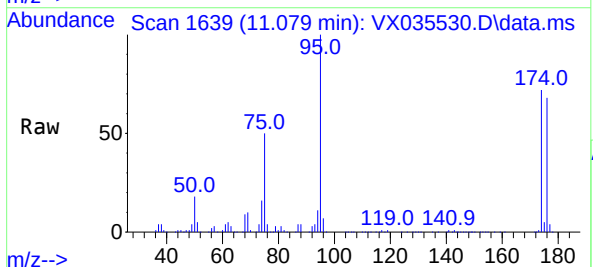
Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423

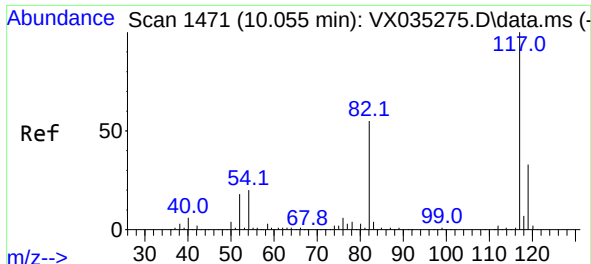
Tgt Ion: 98 Resp: 557339
Ion Ratio Lower Upper
98 100
100 67.2 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 51.551 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Tgt Ion: 95 Resp: 215368
Ion Ratio Lower Upper
95 100
174 76.4 0.0 147.4
176 73.4 0.0 140.6

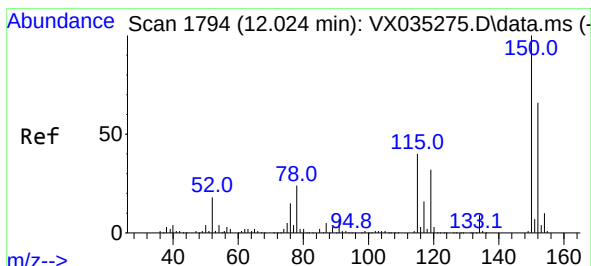
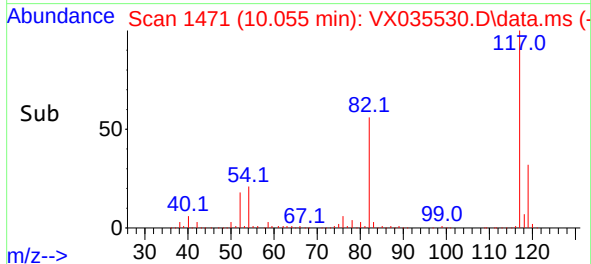
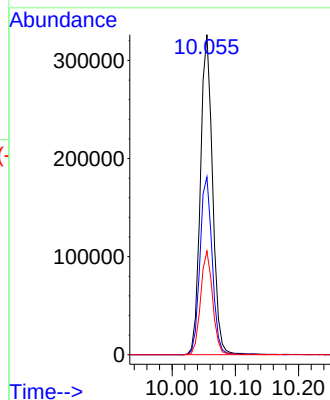
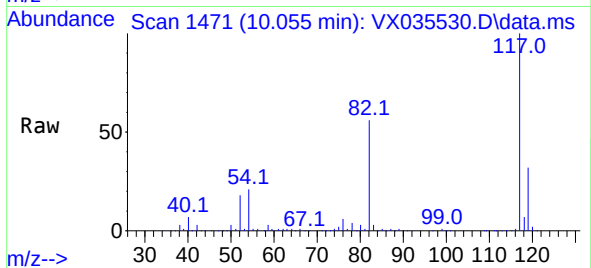




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

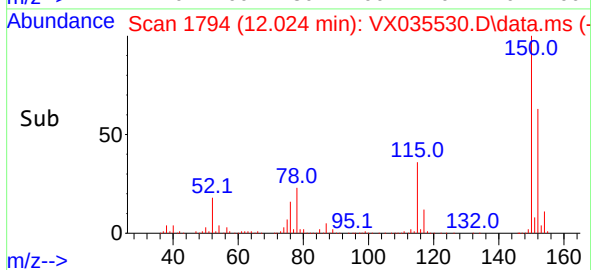
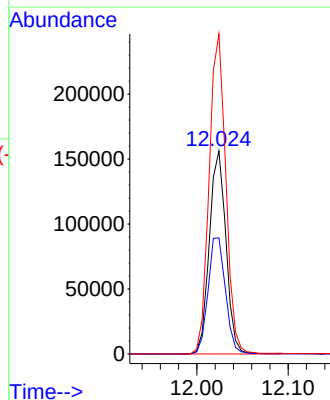
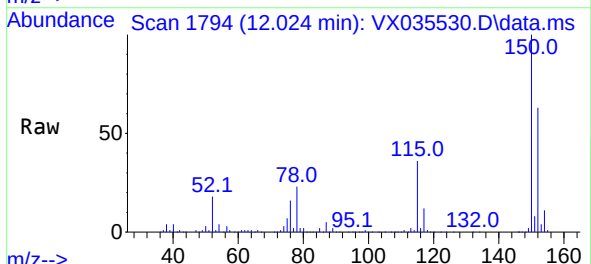
Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423

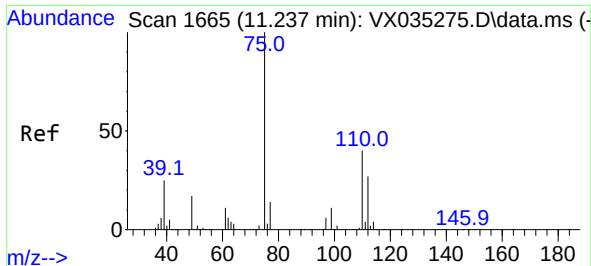
Tgt Ion:117 Resp: 436976
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Tgt Ion:152 Resp: 197059
Ion Ratio Lower Upper
152 100
115 60.3 45.0 135.0
150 158.4 0.0 352.4

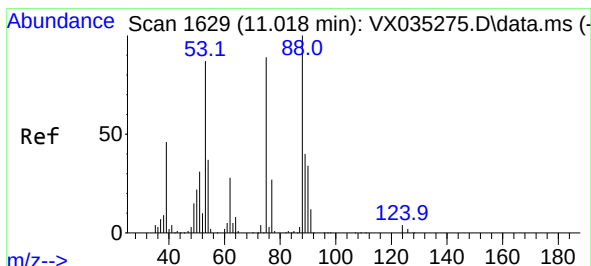
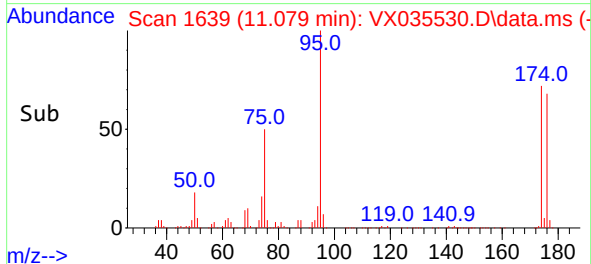
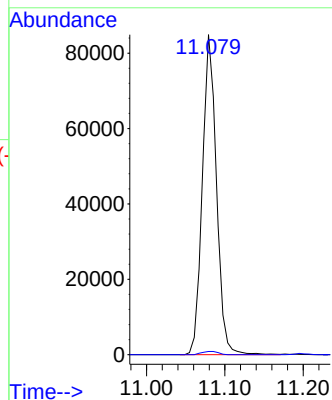
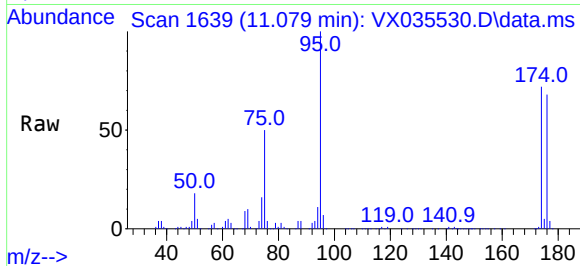




#76
1,2,3-Trichloropropane
Concen: 27.021 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

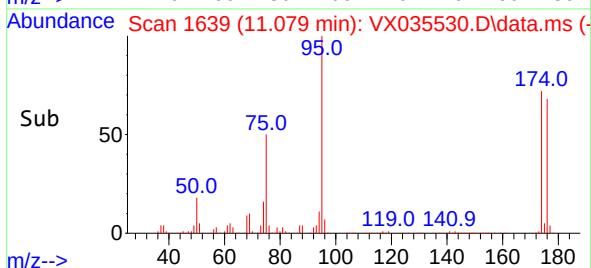
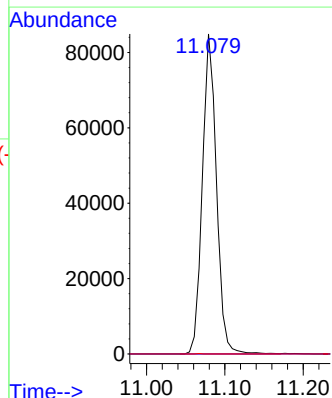
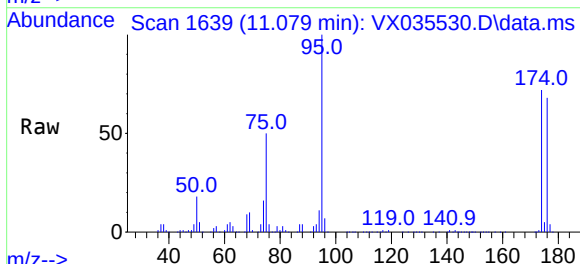
Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423

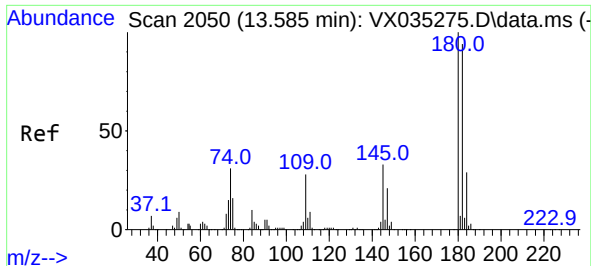
Tgt Ion: 75 Resp: 106215
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.515 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Tgt Ion: 75 Resp: 106215
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

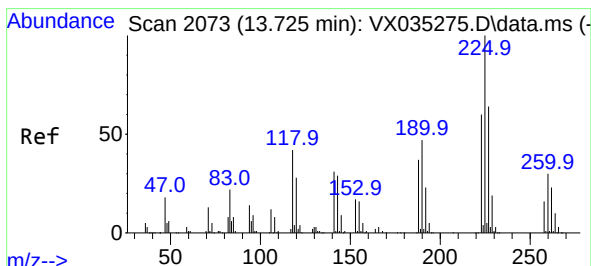
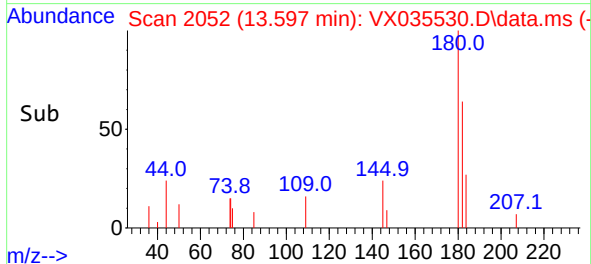
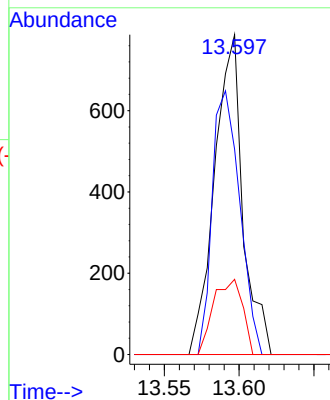
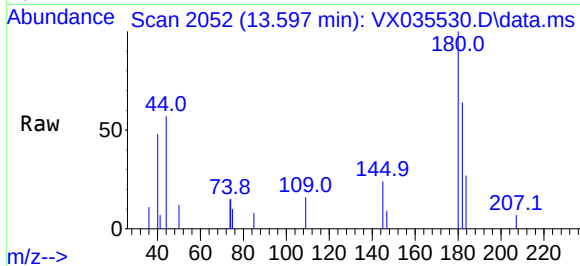




#93
1,2,4-Trichlorobenzene
Concen: 0.242 ug/l
RT: 13.597 min Scan# 2050
Delta R.T. 0.012 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Instrument :
MSVOA_X
ClientSampleId :
GWOW-07B-24-29-050423

Tgt Ion:180 Resp: 1034
Ion Ratio Lower Upper
180 100
182 80.3 47.0 141.0
145 24.2 15.9 47.7



#94
Hexachlorobutadiene
Concen: 0.235 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX035530.D
Acq: 05 May 2023 12:56

Tgt Ion:225 Resp: 442
Ion Ratio Lower Upper
225 100
223 58.6 32.1 96.5
227 92.3 31.8 95.4

