

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081822\
 Data File : VX030691.D
 Acq On : 18 Aug 2022 17:35
 Operator : JC/MD
 Sample : N4231-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C0KN4

Quant Time: Aug 18 19:31:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 18 04:21:09 2022
 Response via : Initial Calibration

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

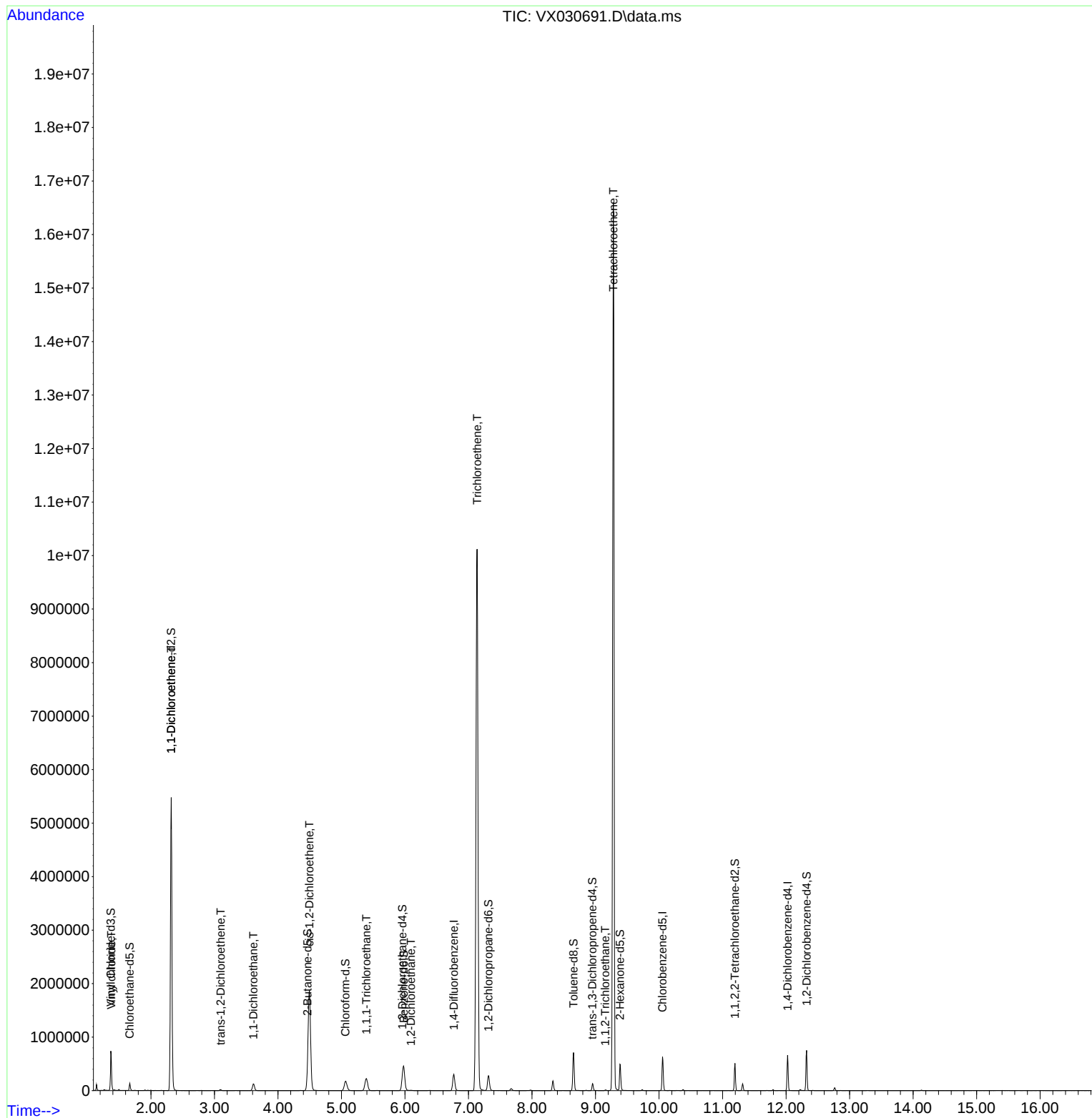
Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	316430	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	291791	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	133503	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	116484	57.323	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	114.640%	
7) Chloroethane-d5	1.666	69	86776	60.577	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	121.160%	
11) 1,1-Dichloroethene-d2	2.319	63	1077465	280.310	ug/L	0.01
Spiked Amount 50.000	Range 60	- 125	Recovery	=	560.620%#	
21) 2-Butanone-d5	4.465	46	195884	104.038	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	104.040%	
24) Chloroform-d	5.062	84	224648	53.704	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	107.400%	
26) 1,2-Dichloroethane-d4	5.958	65	139447	49.096	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	98.200%	
32) Benzene-d6	5.983	84	473071	56.599	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	113.200%	
36) 1,2-Dichloropropane-d6	7.312	67	155243	57.248	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	114.500%	
41) Toluene-d8	8.653	98	428759	54.421	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	108.840%	
43) trans-1,3-Dichloroprop...	8.952	79	64156	47.556	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	95.120%	
47) 2-Hexanone-d5	9.384	63	152023	109.982	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	109.980%	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	202025	56.710	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	113.420%	
66) 1,2-Dichlorobenzene-d4	12.323	152	152296	58.814	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	117.620%	
Target Compounds						Qvalue
5) Vinyl chloride	1.374	62	366960	167.798	ug/L	98
12) 1,1-Dichloroethene	2.319	96	1817465	1026.186	ug/L #	48
17) trans-1,2-Dichloroethene	3.099	96	7009	3.416	ug/L	89
19) 1,1-Dichloroethane	3.611	63	141363	35.621	ug/L	98
20) cis-1,2-Dichloroethene	4.495	96	1191309	516.133	ug/L	88
27) 1,2-Dichloroethane	6.092	62	6820	1.965	ug/L #	91
30) 1,1,1-Trichloroethane	5.391	97	225158	58.499	ug/L	97
34) Trichloroethene	7.135	95	4043215	1492.190	ug/L	85
45) 1,1,2-Trichloroethane	9.153	97	3605	1.559	ug/L	92
46) Tetrachloroethene	9.281	164	3143723	1835.832	ug/L	97

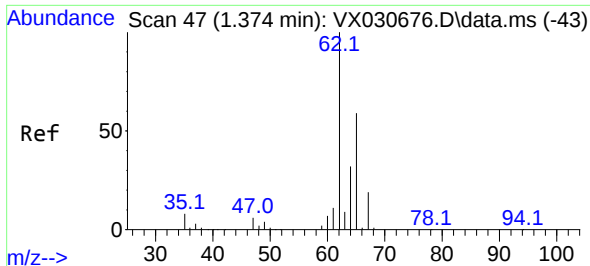
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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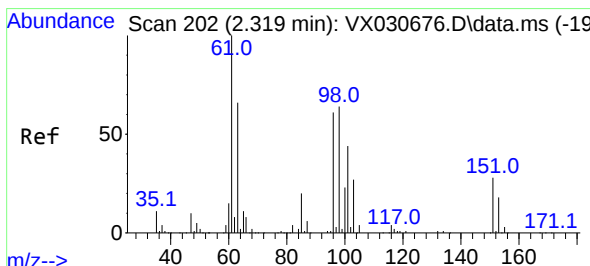
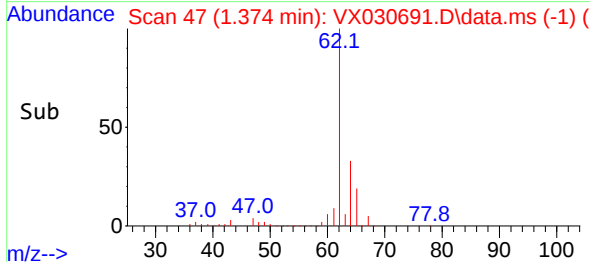
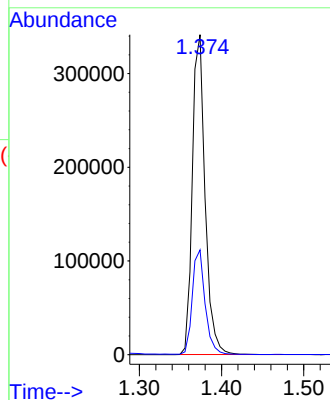
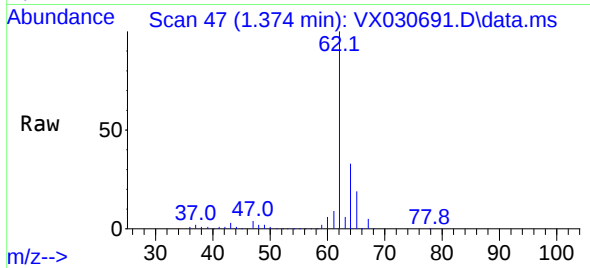




#5
 Vinyl chloride
 Concen: 167.798 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX030691.D
 Acq: 18 Aug 2022 17:35

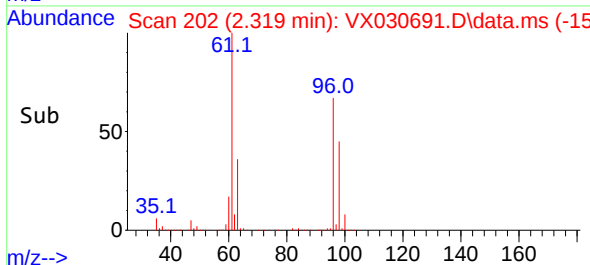
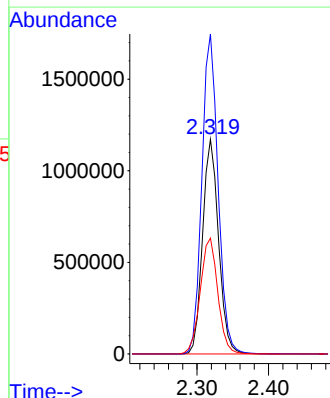
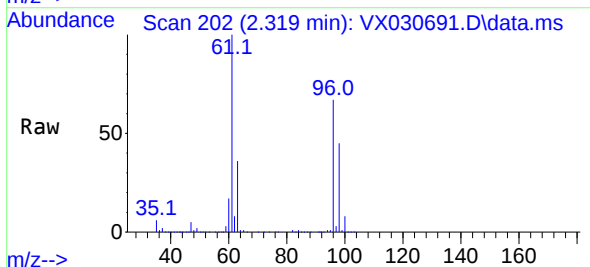
Instrument :
 MSVOA_X
 ClientSampleId :
 C0KN4

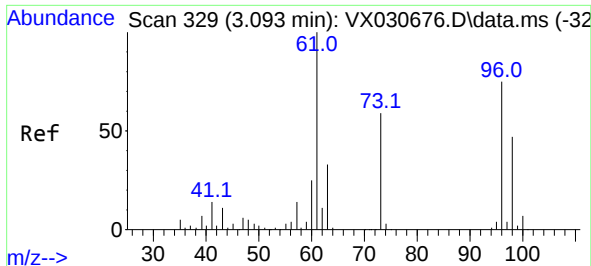
Tgt Ion: 62 Resp: 366960
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.8 44.2



#12
 1,1-Dichloroethene
 Concen: 1026.186 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX030691.D
 Acq: 18 Aug 2022 17:35

Tgt Ion: 96 Resp: 1817465
 Ion Ratio Lower Upper
 96 100
 61 149.1 130.2 241.8
 63 54.0 113.5 210.9#

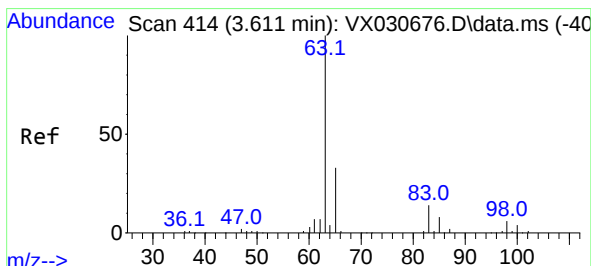
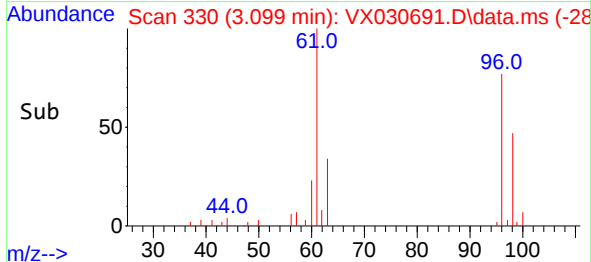
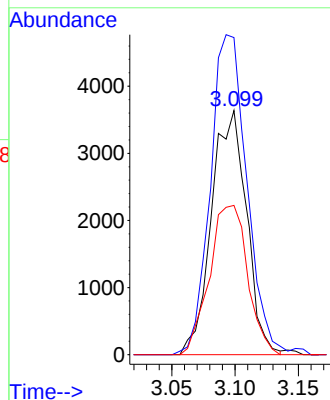
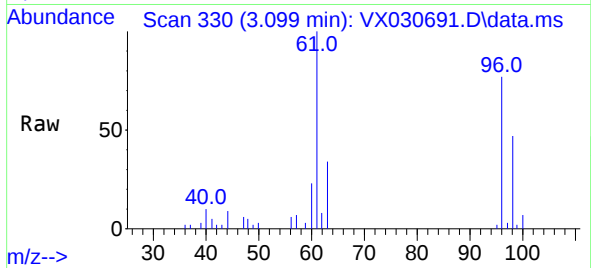




#17
trans-1,2-Dichloroethene
Concen: 3.416 ug/L
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX030691.D
Acq: 18 Aug 2022 17:35

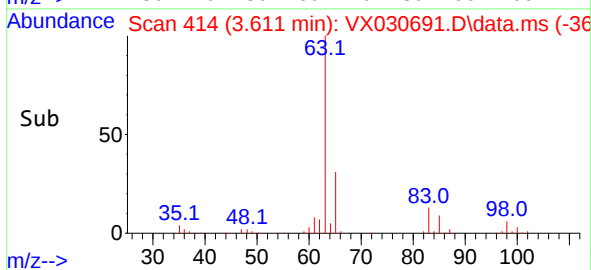
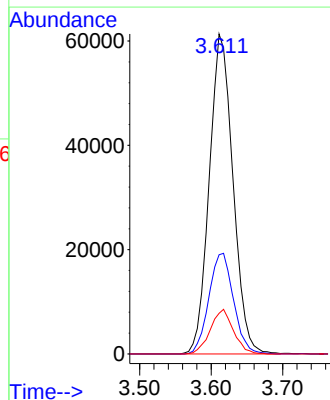
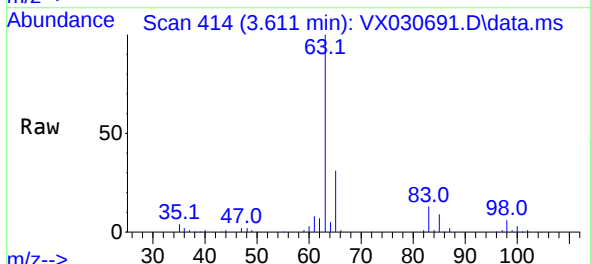
Instrument :
MSVOA_X
ClientSampleId :
C0KN4

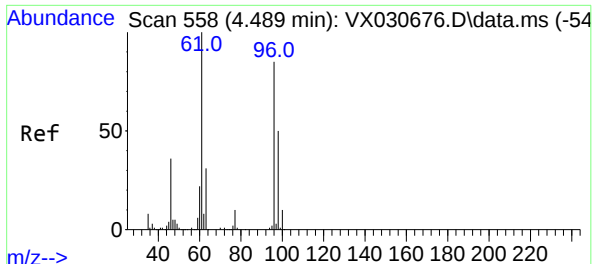
Tgt Ion: 96 Resp: 7009
Ion Ratio Lower Upper
96 100
61 129.9 103.7 192.5
98 61.2 41.5 77.1



#19
1,1-Dichloroethane
Concen: 35.621 ug/L
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX030691.D
Acq: 18 Aug 2022 17:35

Tgt Ion: 63 Resp: 141363
Ion Ratio Lower Upper
63 100
65 31.0 22.0 40.8
83 12.7 9.9 18.3





#20

cis-1,2-Dichloroethene

Concen: 516.133 ug/L

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX030691.D

Acq: 18 Aug 2022 17:35

Instrument :

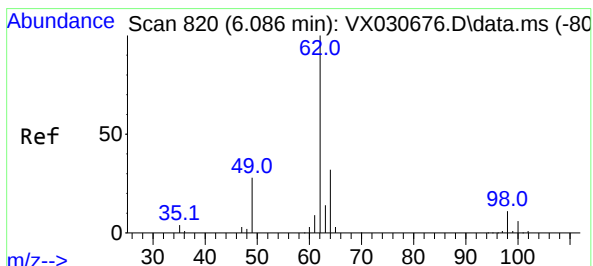
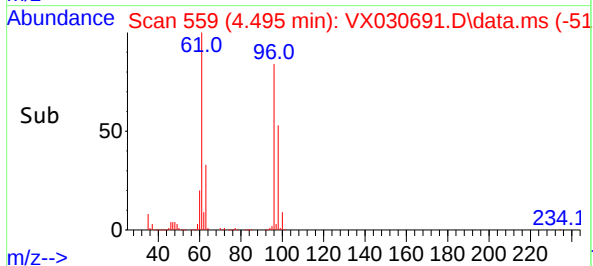
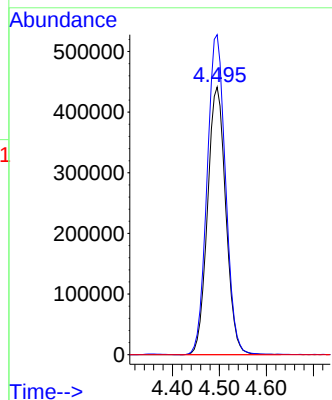
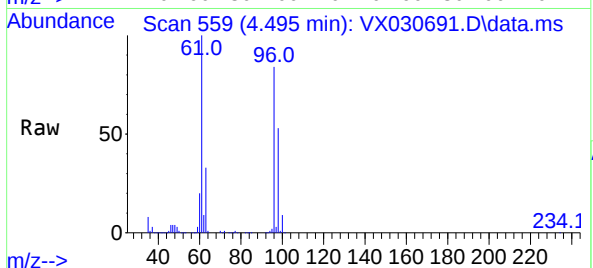
MSVOA_X

ClientSampleId :

C0KN4

Tgt Ion: 96 Resp: 1191309

Ion	Ratio	Lower	Upper
96	100		
61	119.6	94.0	174.6
68	0.0	0.0	0.0



#27

1,2-Dichloroethane

Concen: 1.965 ug/L

RT: 6.092 min Scan# 821

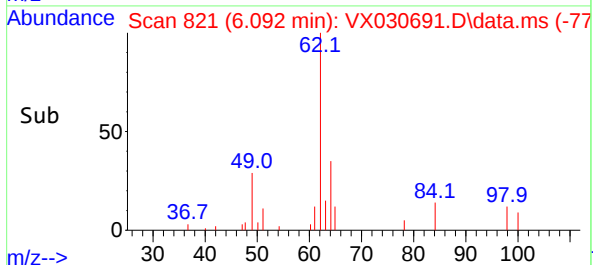
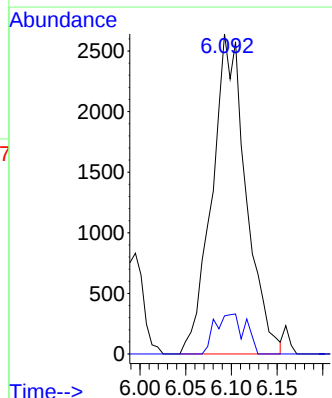
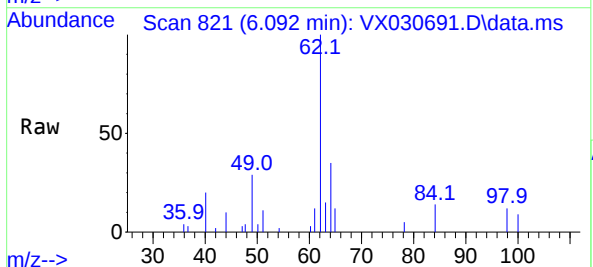
Delta R.T. 0.000 min

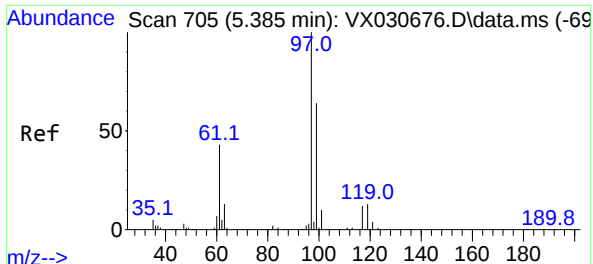
Lab File: VX030691.D

Acq: 18 Aug 2022 17:35

Tgt Ion: 62 Resp: 6820

Ion	Ratio	Lower	Upper
62	100		
98	11.9	7.0	10.6#





#30

1,1,1-Trichloroethane

Concen: 58.499 ug/L

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX030691.D

Acq: 18 Aug 2022 17:35

Instrument :

MSVOA_X

ClientSampleId :

C0KN4

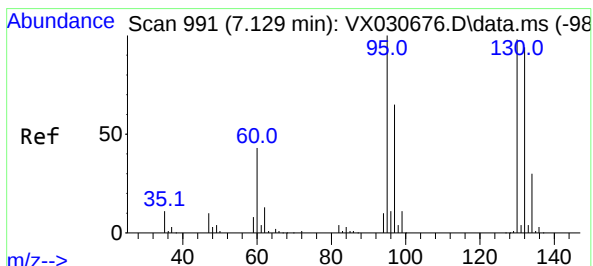
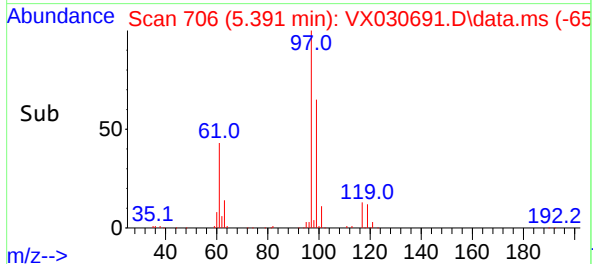
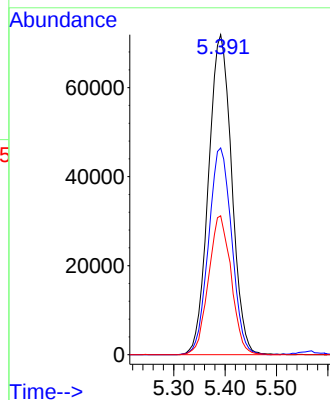
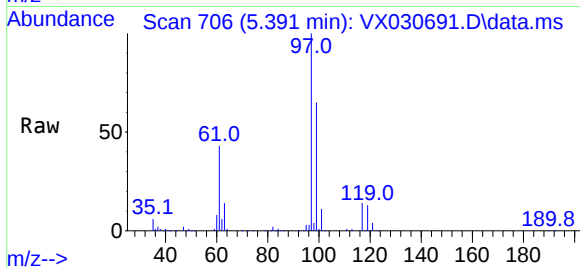
Tgt Ion: 97 Resp: 225158

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 42.5 37.0 55.6



#34

Trichloroethene

Concen: 1492.190 ug/L

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX030691.D

Acq: 18 Aug 2022 17:35

Tgt Ion: 95 Resp: 4043215

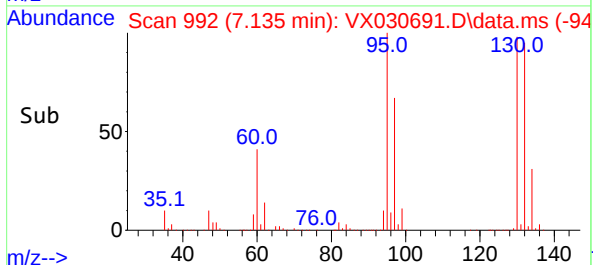
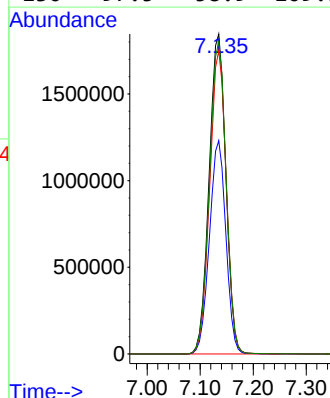
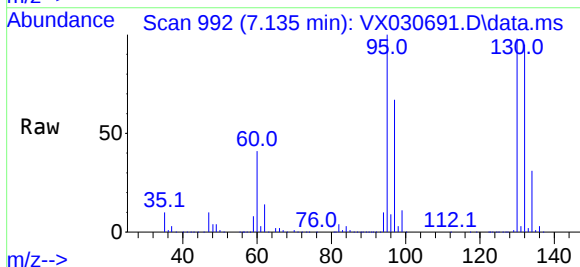
Ion Ratio Lower Upper

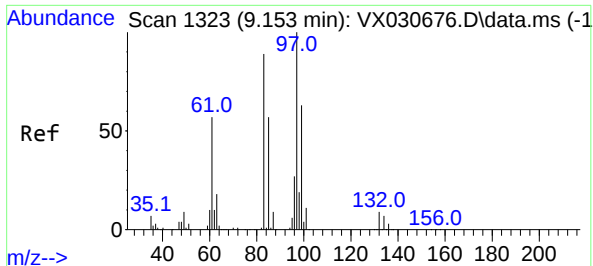
95 100

97 66.7 40.2 74.6

132 94.7 55.3 102.7

130 97.5 58.9 109.5





#45

1,1,2-Trichloroethane

Concen: 1.559 ug/L

RT: 9.153 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX030691.D

Acq: 18 Aug 2022 17:35

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MSVOA_X

ClientSampleId :

C0KN4

Tgt Ion: 97 Resp: 3605

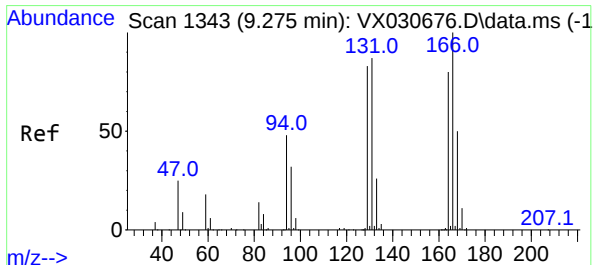
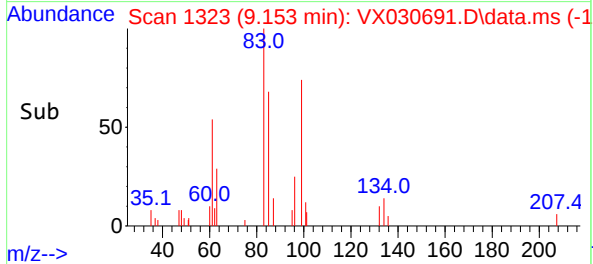
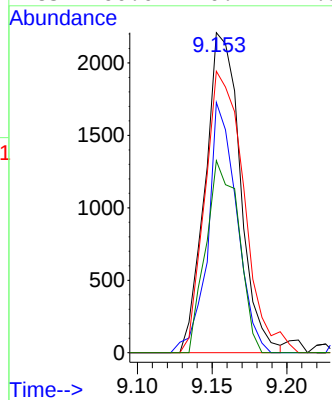
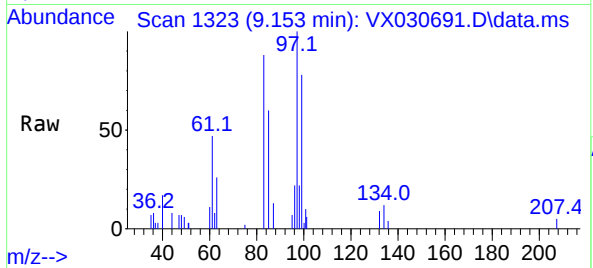
Ion Ratio Lower Upper

97 100

99 78.2 43.3 80.3

83 88.0 63.0 117.0

85 60.0 40.1 74.5



#46

Tetrachloroethene

Concen: 1835.832 ug/L

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX030691.D

Acq: 18 Aug 2022 17:35

Tgt Ion:164 Resp: 3143723

Ion Ratio Lower Upper

164 100

129 108.1 72.7 135.1

131 104.4 69.9 129.9

166 126.6 88.3 164.1

