

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081822\
 Data File : VX030688.D
 Acq On : 18 Aug 2022 16:24
 Operator : JC/MD
 Sample : N4231-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 19:30:29 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	330001	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	302043	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	139612	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	122663	57.881	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	115.760%
7) Chloroethane-d5	1.666	69	87965	58.881	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.760%
11) 1,1-Dichloroethene-d2	2.319	63	1187205	296.158	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	592.320%#
21) 2-Butanone-d5	4.465	46	195432	99.530	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.530%
24) Chloroform-d	5.062	84	230415	52.818	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.640%
26) 1,2-Dichloroethane-d4	5.958	65	143776	48.538	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.080%
32) Benzene-d6	5.983	84	483786	55.917	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.840%
36) 1,2-Dichloropropane-d6	7.318	67	156043	55.589	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.180%
41) Toluene-d8	8.653	98	439993	53.951	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.900%
43) trans-1,3-Dichloroprop...	8.952	79	65585	46.965	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.940%
47) 2-Hexanone-d5	9.385	63	147000	102.739	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.740%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	205412	55.704	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.400%
66) 1,2-Dichlorobenzene-d4	12.323	152	152555	56.337	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.680%

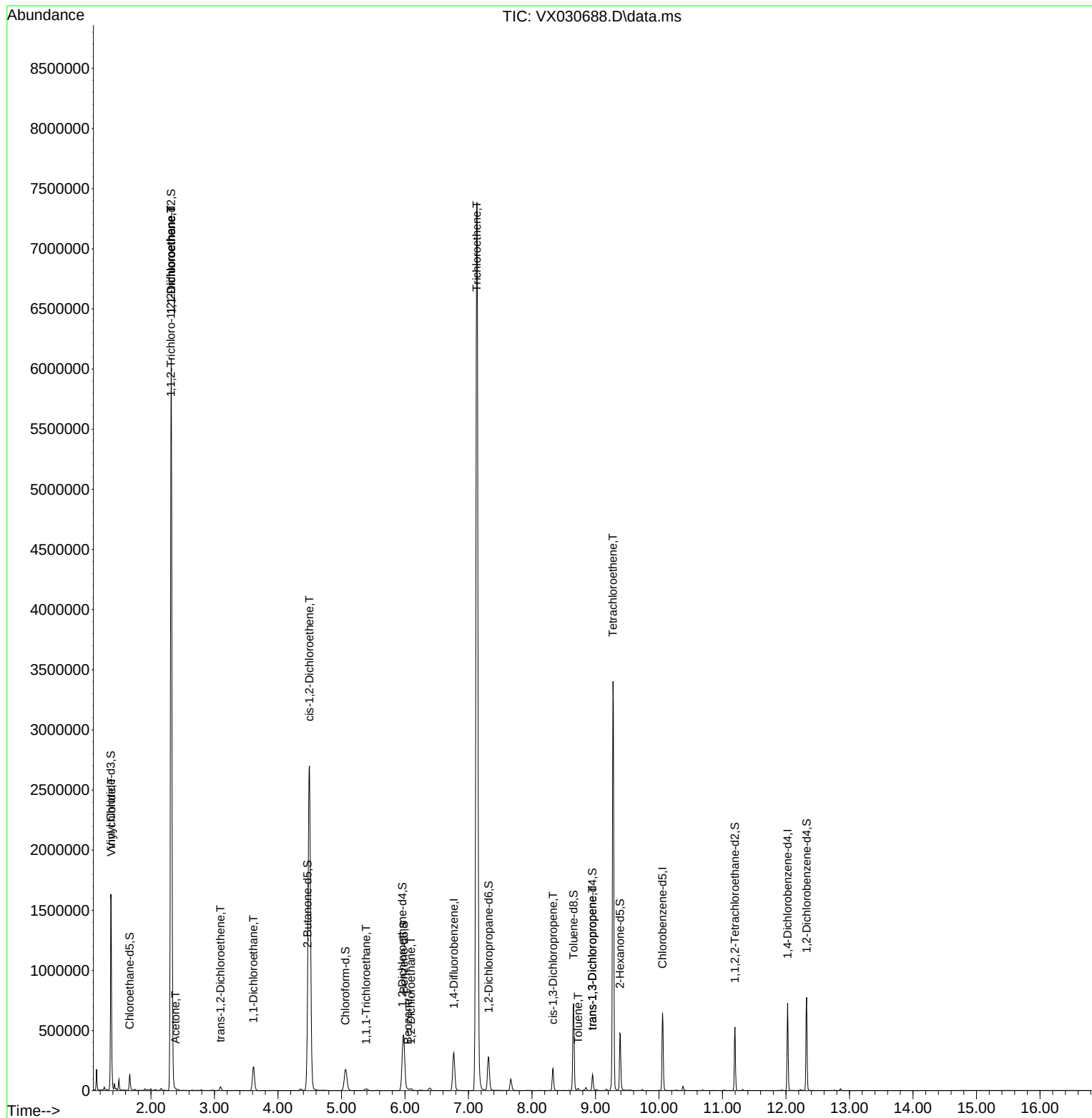
Target Compounds						Qvalue
5) Vinyl chloride	1.374	62	922378	404.427	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	6284	3.134	ug/L #	28
12) 1,1-Dichloroethene	2.319	96	2026231	1097.012	ug/L #	47
13) Acetone	2.386	43	11225	7.800	ug/L	87
17) trans-1,2-Dichloroethene	3.093	96	11935	5.578	ug/L	90
19) 1,1-Dichloroethane	3.611	63	223895	54.098	ug/L	100
20) cis-1,2-Dichloroethene	4.495	96	1725803	716.953	ug/L	90
27) 1,2-Dichloroethane	6.092	62	15457	4.271	ug/L #	95
30) 1,1,1-Trichloroethane	5.385	97	12848	3.225	ug/L #	87
33) Benzene	6.044	78	15895	1.641	ug/L	100
34) Trichloroethene	7.129	95	3017287	1075.764	ug/L	86
39) cis-1,3-Dichloropropene	8.330	75	3644	0.949	ug/L #	65
42) Toluene	8.726	91	11377	1.112	ug/L	91
44) trans-1,3-Dichloropropene	8.952	75	2781	0.740	ug/L	90
46) Tetrachloroethene	9.275	164	634310	357.844	ug/L	99

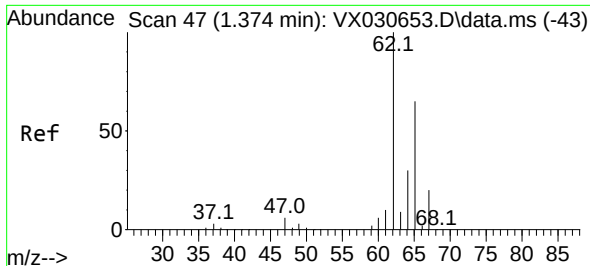
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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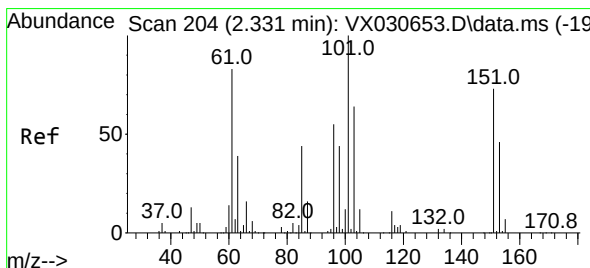
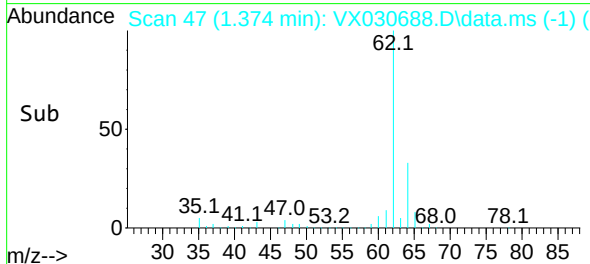
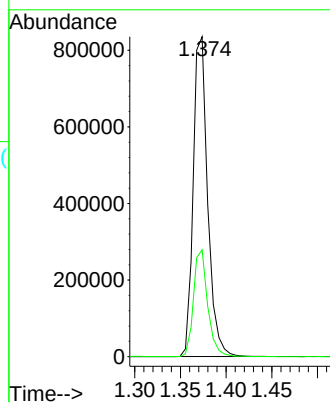
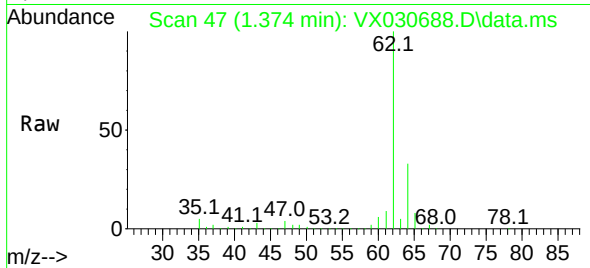




#5
 Vinyl chloride
 Concen: 404.427 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX030688.D
 Acq: 18 Aug 2022 16:24

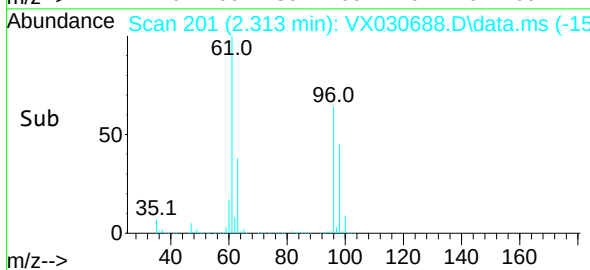
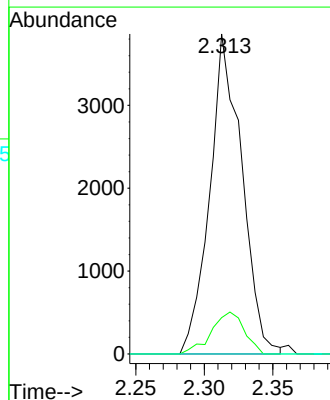
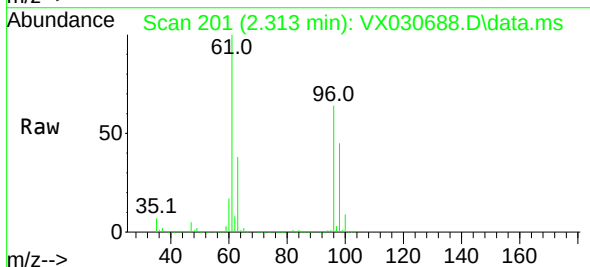
Instrument :
 MSVOA_X
 ClientSampleId :

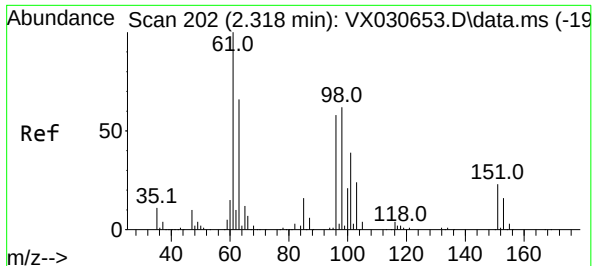
Tgt Ion: 62 Resp: 922378
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.8 44.2



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.134 ug/L
 RT: 2.313 min Scan# 201
 Delta R.T. -0.018 min
 Lab File: VX030688.D
 Acq: 18 Aug 2022 16:24

Tgt Ion: 101 Resp: 6284
 Ion Ratio Lower Upper
 101 100
 85 13.5 35.3 52.9#
 151 0.0 58.3 87.5#





#12

1,1-Dichloroethene

Concen: 1097.012 ug/L

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX030688.D

Acq: 18 Aug 2022 16:24

Instrument :

MSVOA_X

ClientSampleId :

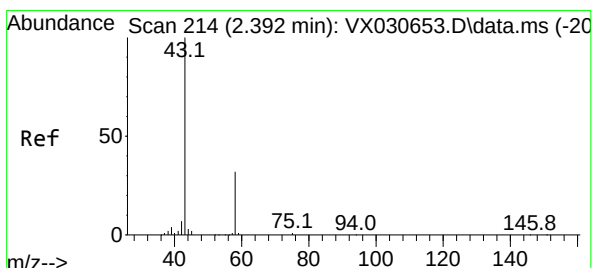
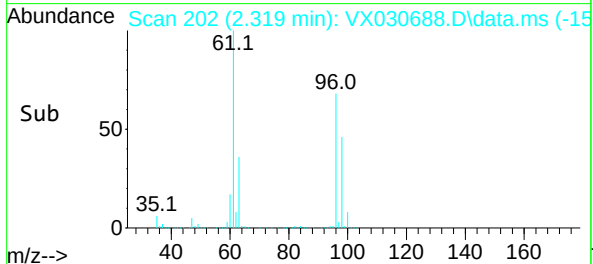
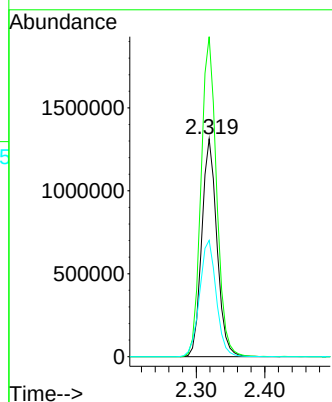
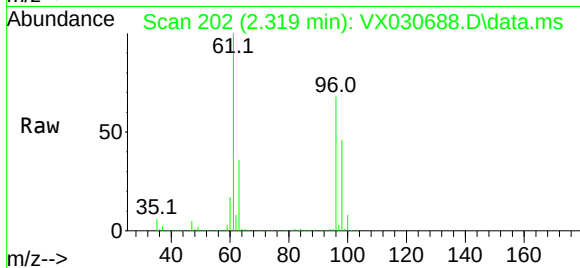
Tgt Ion: 96 Resp: 2026231

Ion Ratio Lower Upper

96 100

61 146.8 130.2 241.8

63 53.4 113.5 210.9#



#13

Acetone

Concen: 7.800 ug/L

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX030688.D

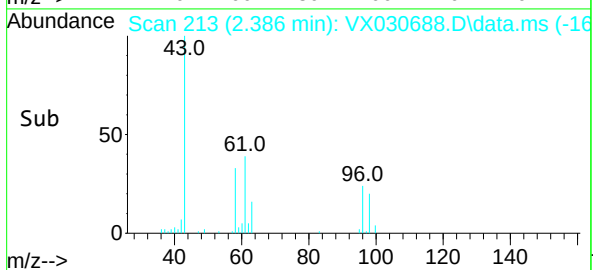
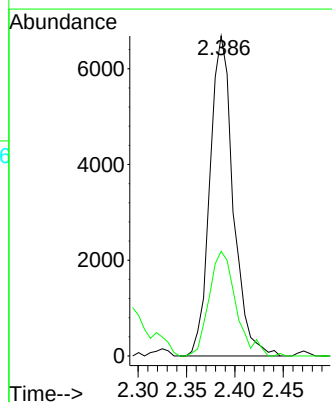
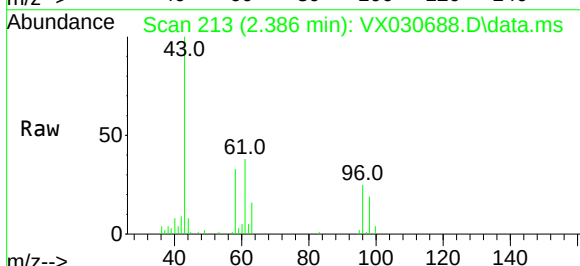
Acq: 18 Aug 2022 16:24

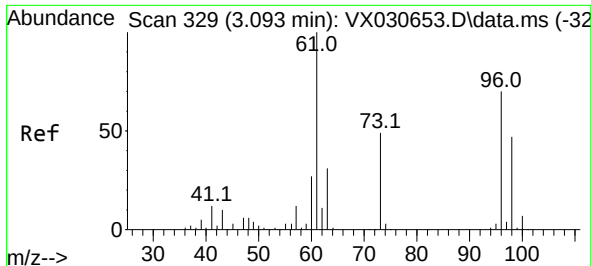
Tgt Ion: 43 Resp: 11225

Ion Ratio Lower Upper

43 100

58 35.8 0.0 57.8





#17

trans-1,2-Dichloroethene

Concen: 5.578 ug/L

RT: 3.093 min Scan# 31

Delta R.T. 0.000 min

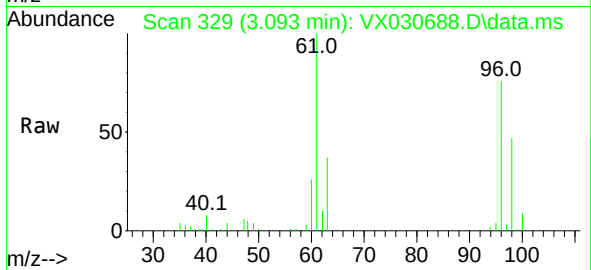
Lab File: VX030688.D

Acq: 18 Aug 2022 16:24

Instrument :

MSVOA_X

ClientSampleId :



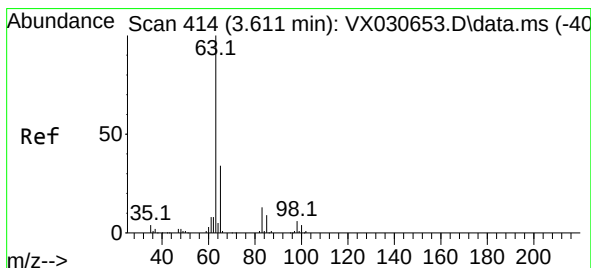
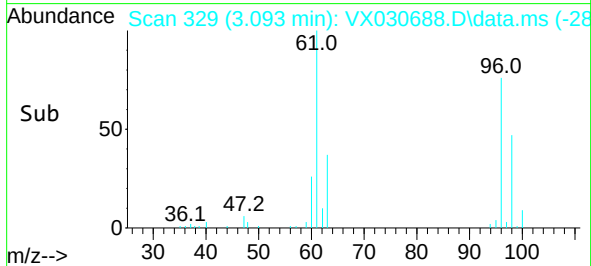
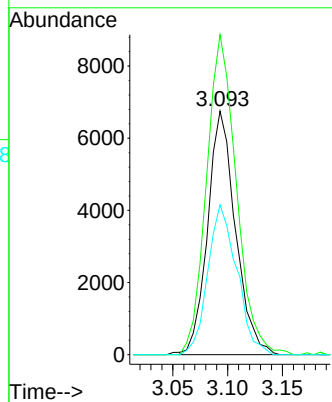
Tgt Ion: 96 Resp: 11935

Ion Ratio Lower Upper

96 100

61 131.4 103.7 192.5

98 61.6 41.5 77.1



#19

1,1-Dichloroethane

Concen: 54.098 ug/L

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX030688.D

Acq: 18 Aug 2022 16:24

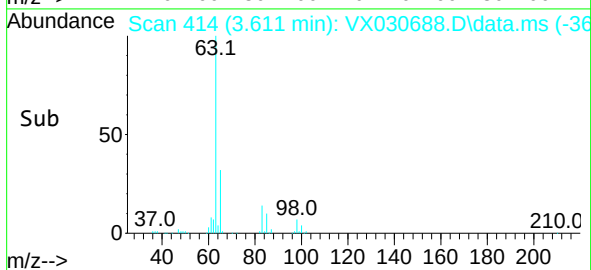
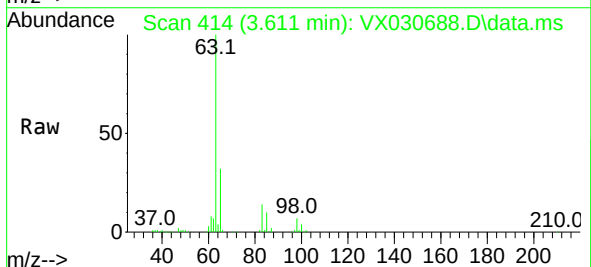
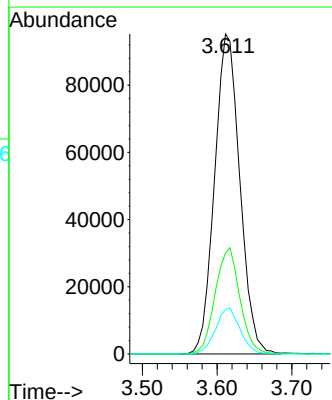
Tgt Ion: 63 Resp: 223895

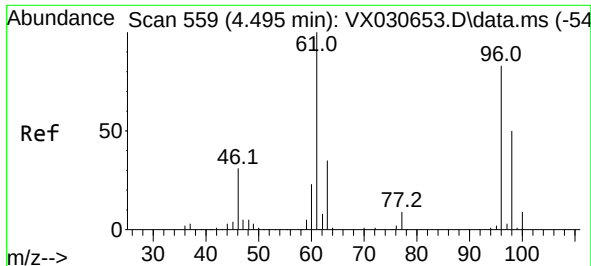
Ion Ratio Lower Upper

63 100

65 31.5 22.0 40.8

83 13.8 9.9 18.3





#20

cis-1,2-Dichloroethene

Concen: 716.953 ug/L

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX030688.D

Acq: 18 Aug 2022 16:24

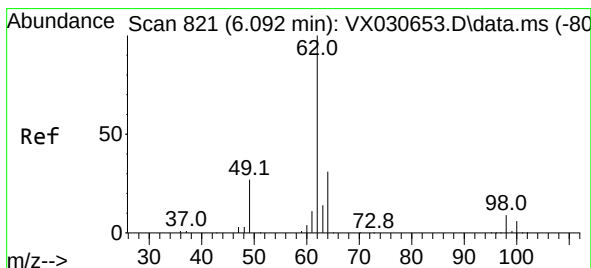
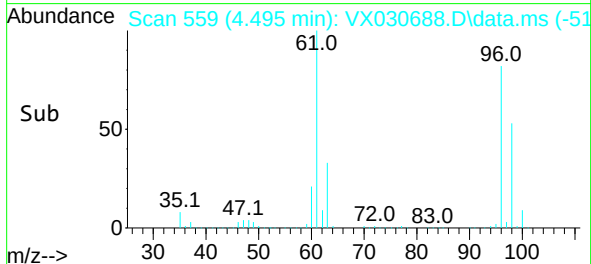
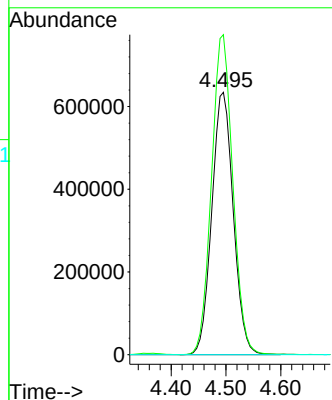
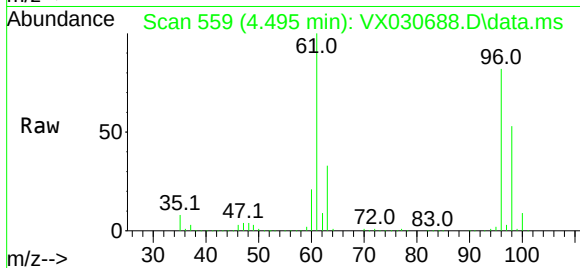
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 96 Resp: 1725803

Ion	Ratio	Lower	Upper
96	100		
61	121.9	94.0	174.6
68	0.0	0.0	0.0



#27

1,2-Dichloroethane

Concen: 4.271 ug/L

RT: 6.092 min Scan# 821

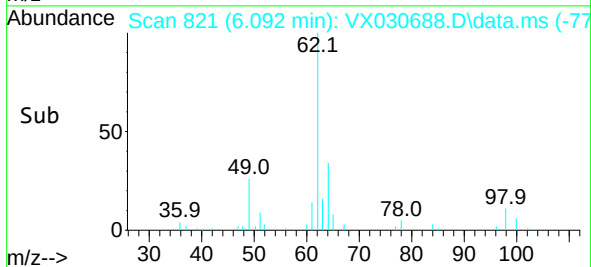
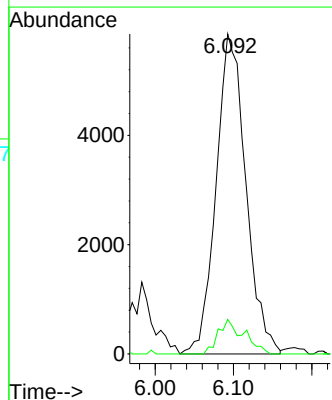
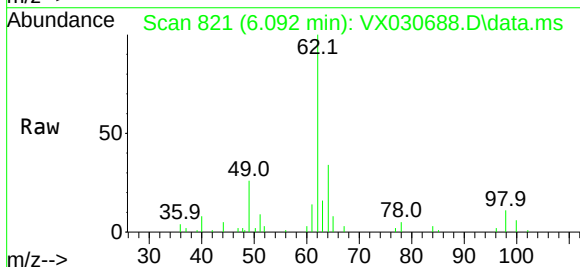
Delta R.T. 0.000 min

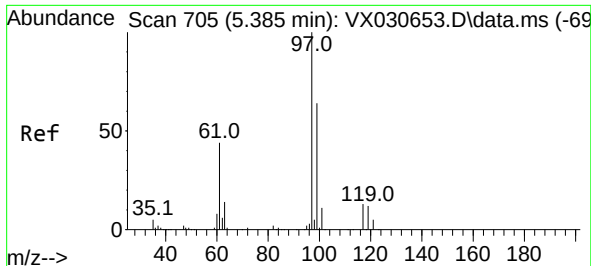
Lab File: VX030688.D

Acq: 18 Aug 2022 16:24

Tgt Ion: 62 Resp: 15457

Ion	Ratio	Lower	Upper
62	100		
98	10.8	7.0	10.6





#30

1,1,1-Trichloroethane

Concen: 3.225 ug/L

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX030688.D

Acq: 18 Aug 2022 16:24

Instrument :

MSVOA_X

ClientSampleId :

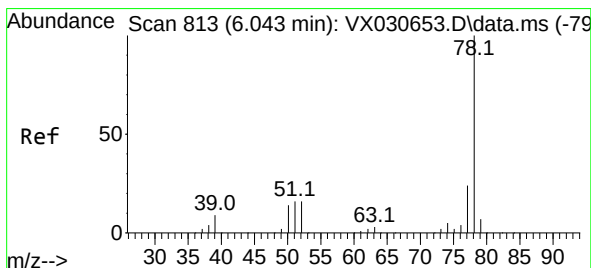
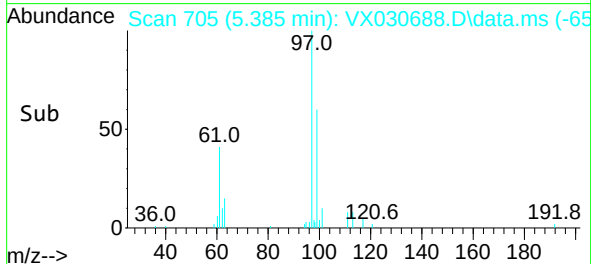
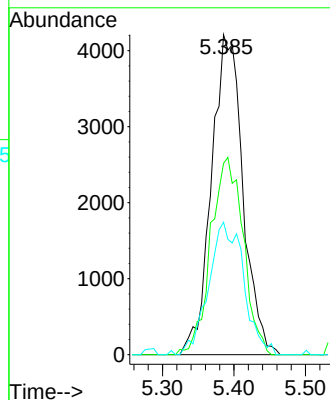
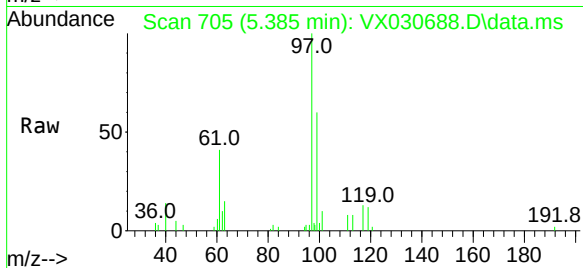
Tgt Ion: 97 Resp: 12848

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.0

61 26.0 37.0 55.6#



#33

Benzene

Concen: 1.641 ug/L

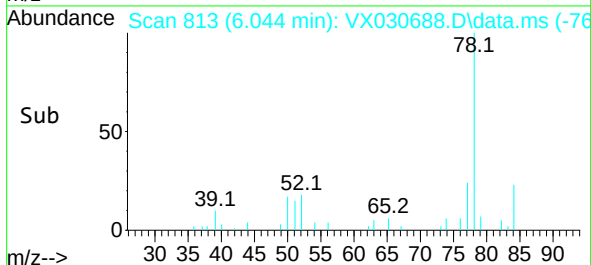
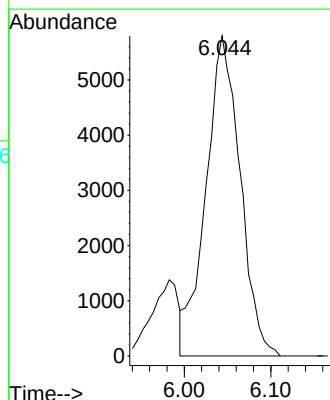
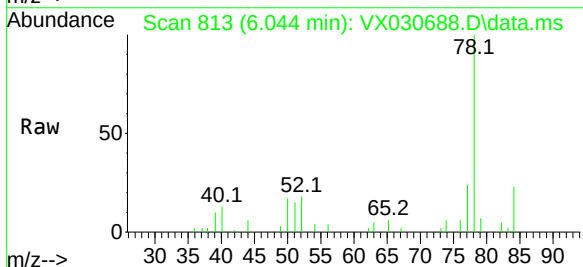
RT: 6.044 min Scan# 813

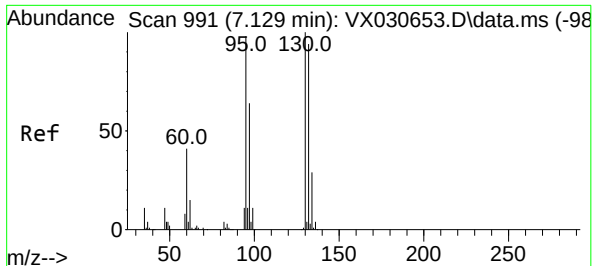
Delta R.T. 0.000 min

Lab File: VX030688.D

Acq: 18 Aug 2022 16:24

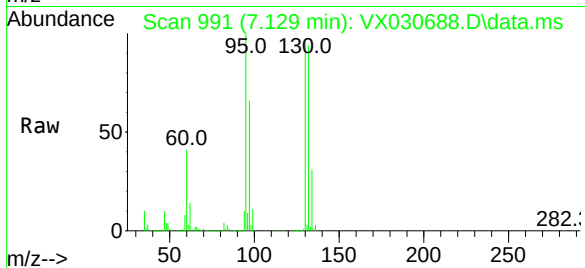
Tgt Ion: 78 Resp: 15895





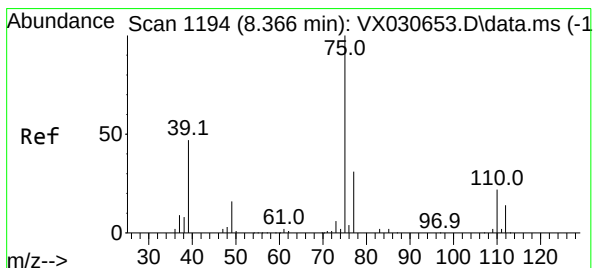
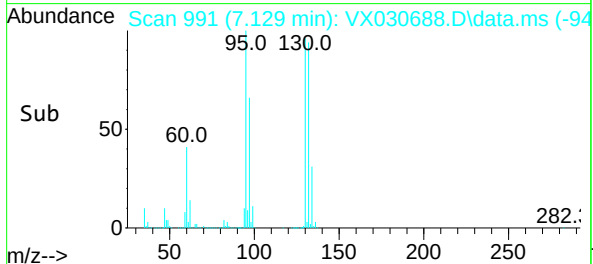
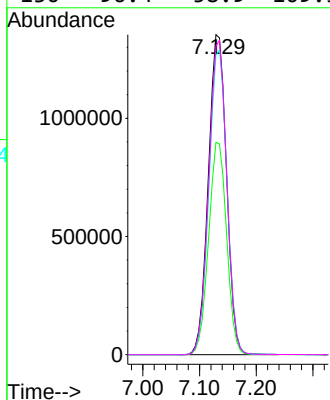
#34
Trichloroethene
Concen: 1075.764 ug/L
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX030688.D
Acq: 18 Aug 2022 16:24

Instrument :
MSVOA_X
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Tgt Ion: 95 Resp: 3017287

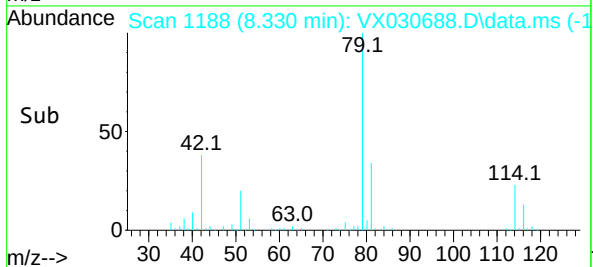
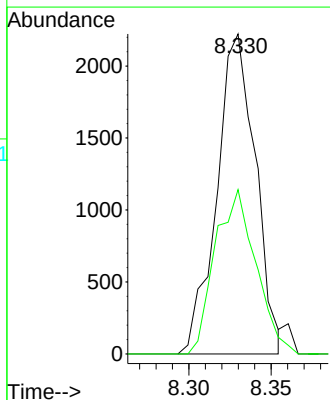
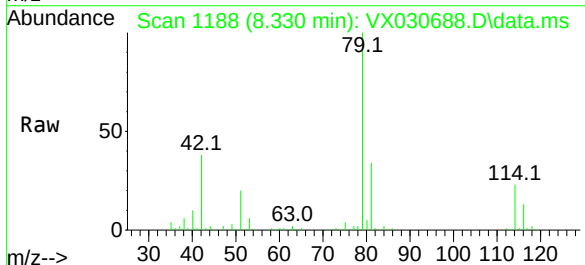
Ion	Ratio	Lower	Upper
95	100		
97	66.3	40.2	74.6
132	93.5	55.3	102.7
130	96.4	58.9	109.5

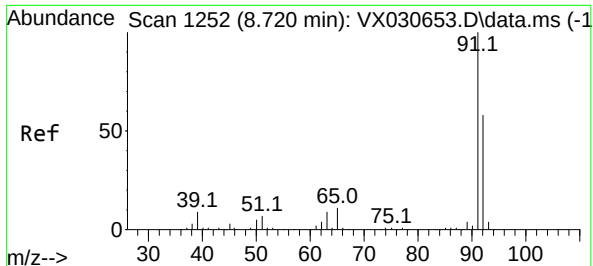


#39
cis-1,3-Dichloropropene
Concen: 0.949 ug/L
RT: 8.330 min Scan# 1188
Delta R.T. -0.036 min
Lab File: VX030688.D
Acq: 18 Aug 2022 16:24

Tgt Ion: 75 Resp: 3644

Ion	Ratio	Lower	Upper
75	100		
77	51.3	22.4	41.6





#42

Toluene

Concen: 1.112 ug/L

RT: 8.726 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX030688.D

Acq: 18 Aug 2022 16:24

Instrument :

MSVOA_X

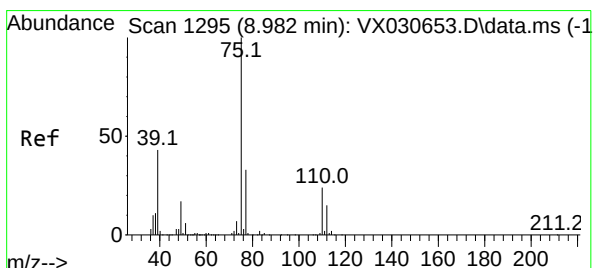
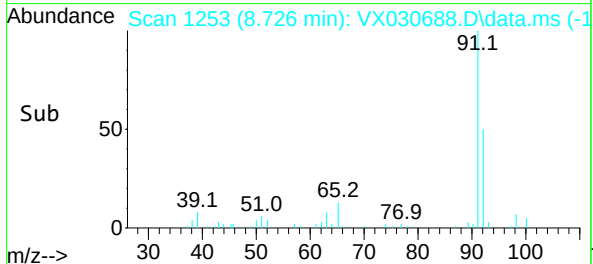
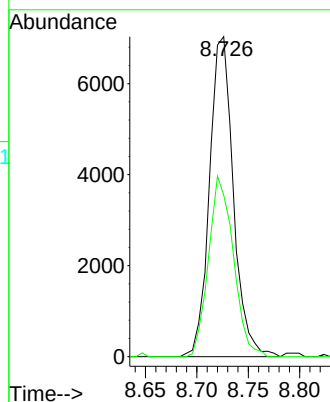
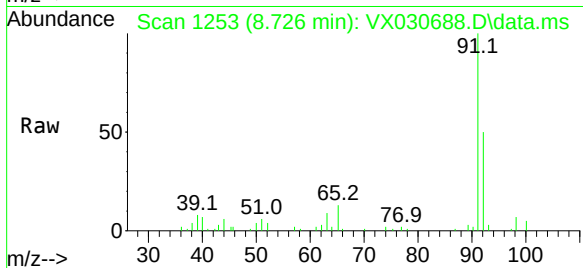
ClientSampleId :

Tgt Ion: 91 Resp: 11377

Ion Ratio Lower Upper

91 100

92 50.5 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 0.740 ug/L

RT: 8.952 min Scan# 1290

Delta R.T. -0.030 min

Lab File: VX030688.D

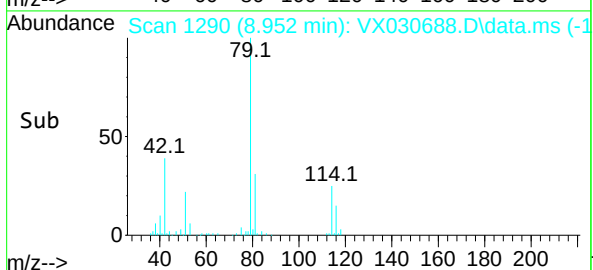
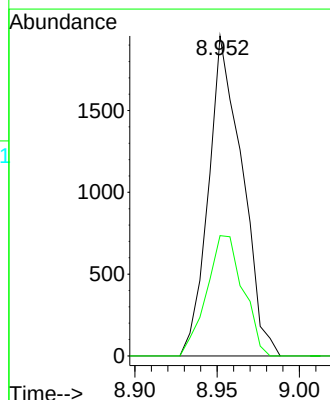
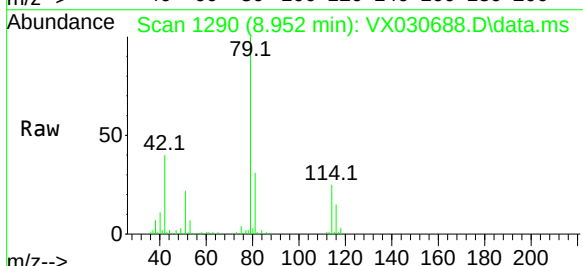
Acq: 18 Aug 2022 16:24

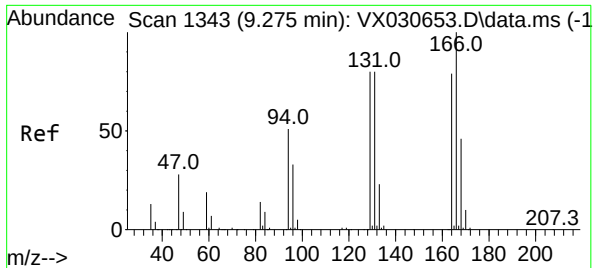
Tgt Ion: 75 Resp: 2781

Ion Ratio Lower Upper

75 100

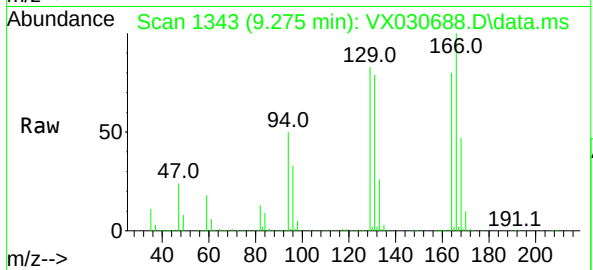
77 37.6 22.5 41.7





#46
 Tetrachloroethene
 Concen: 357.844 ug/L
 RT: 9.275 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030688.D
 Acq: 18 Aug 2022 16:24

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	164	Resp:	634310
Ion	Ratio	Lower	Upper
164	100		
129	103.6	72.7	135.1
131	99.2	69.9	129.9
166	125.0	88.3	164.1

