

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 :

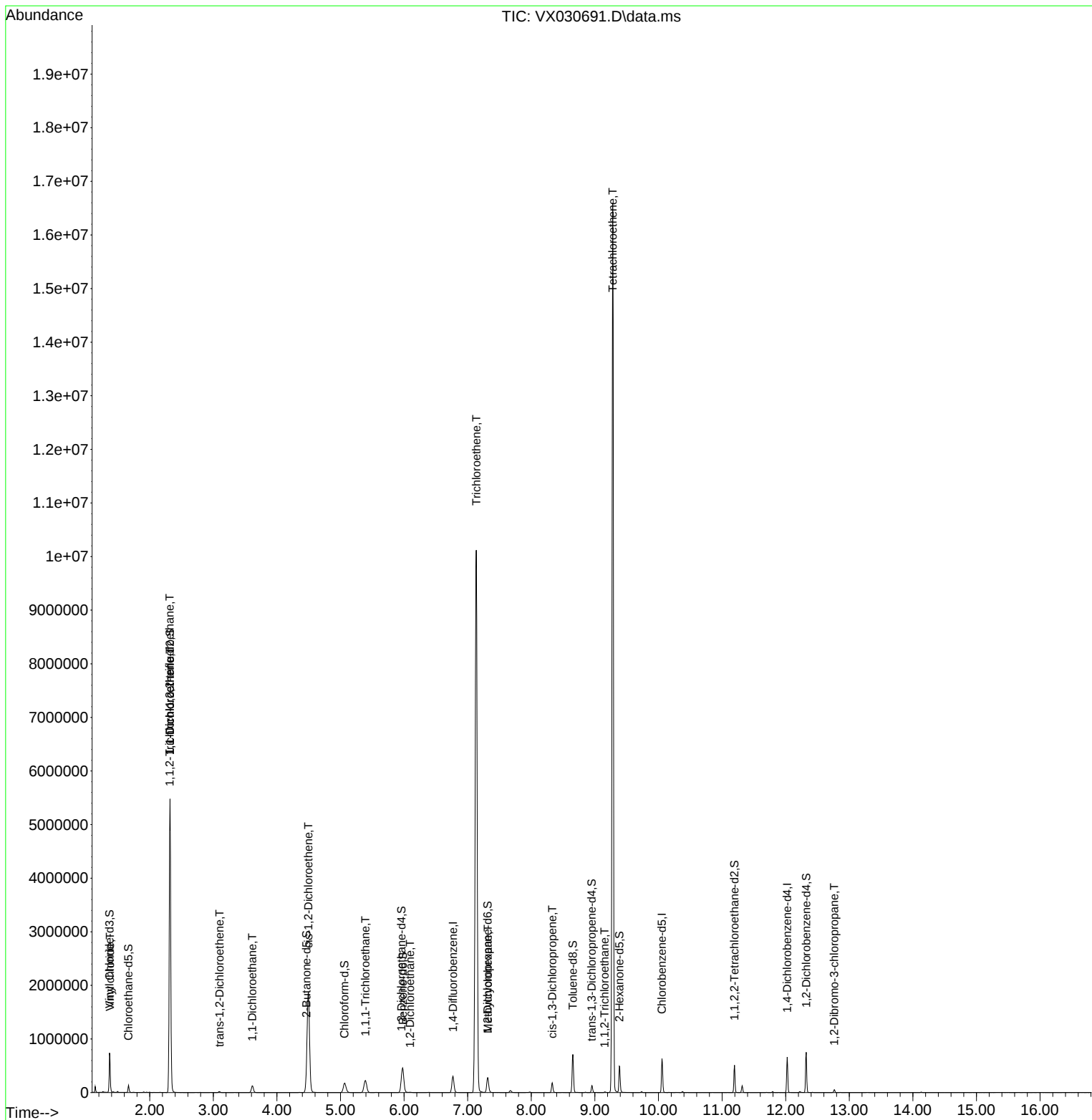
Quant Time: Aug 18 19:31:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 18 04:21:09 2022
 Response via : Initial Calibration

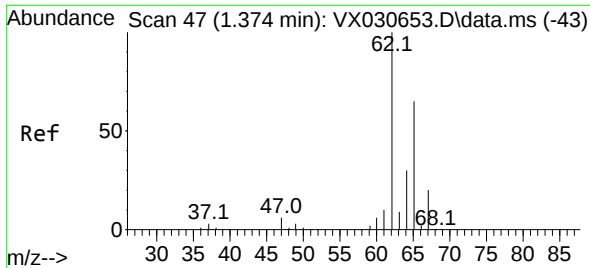
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	6094	3.170	ug/L #	28
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
35) Methylcyclohexane	7.318	83	35216	8.928	ug/L #	19
39) cis-1,3-Dichloropropene	8.330	75	3580	0.965	ug/L #	74
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
68) 1,2-Dibromo-3-chloropr...	12.762	75	1578	1.669	ug/L #	8

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

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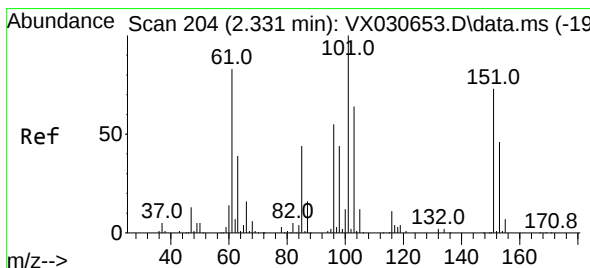
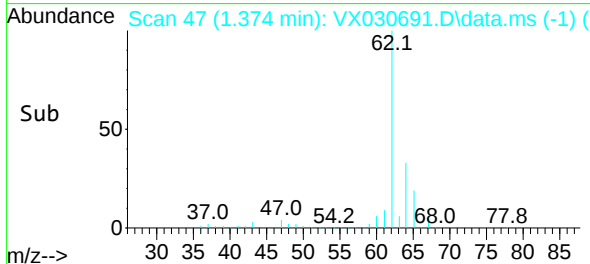
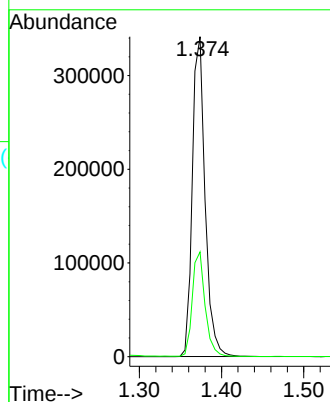
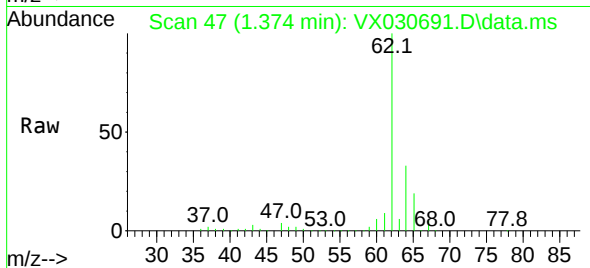




#5
 Vinyl chloride
 Concen: 167.798 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX030691.D
 Acq: 18 Aug 2022 17:35

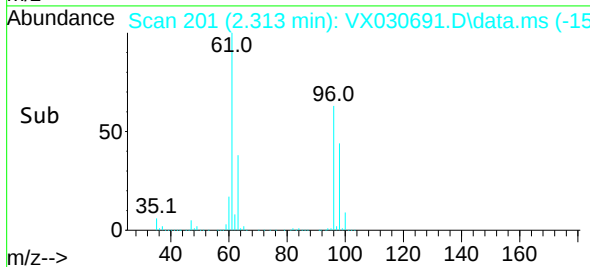
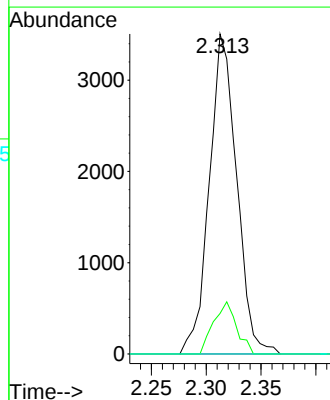
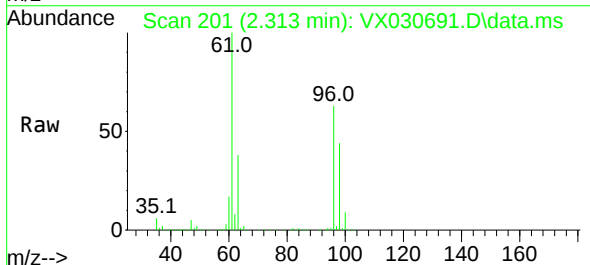
Instrument :
 MSVOA_X
 ClientSampleId :

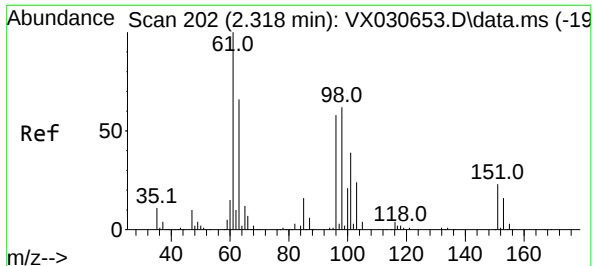
Tgt Ion: 62 Resp: 366960
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.8 44.2



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.170 ug/L
 RT: 2.313 min Scan# 201
 Delta R.T. -0.018 min
 Lab File: VX030691.D
 Acq: 18 Aug 2022 17:35

Tgt Ion: 101 Resp: 6094
 Ion Ratio Lower Upper
 101 100
 85 13.7 35.3 52.9#
 151 0.0 58.3 87.5#





#12

1,1-Dichloroethene

Concen: 1026.186 ug/L

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX030691.D

Acq: 18 Aug 2022 17:35

Instrument :

MSVOA_X

ClientSampleId :

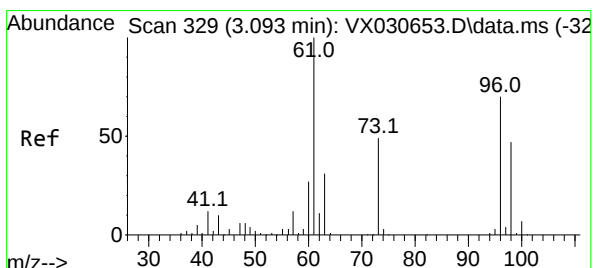
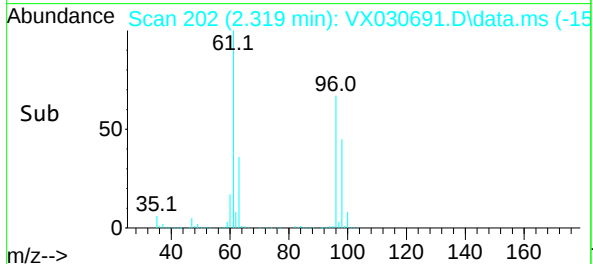
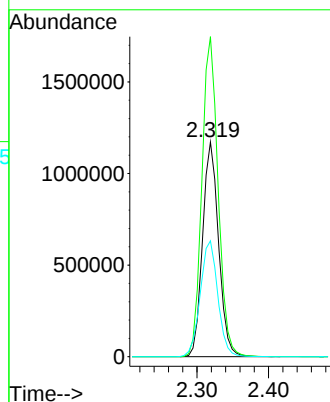
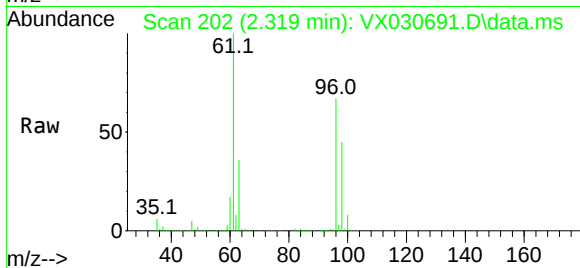
Tgt Ion: 96 Resp: 1817465

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# 330

Delta R.T. 0.006 min

Lab File: VX030691.D

Acq: 18 Aug 2022 17:35

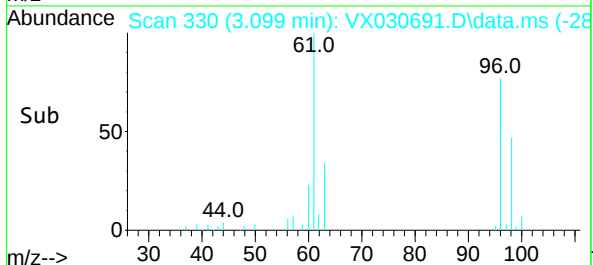
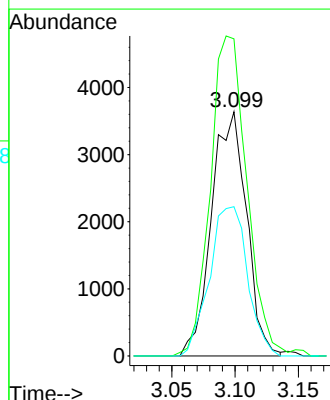
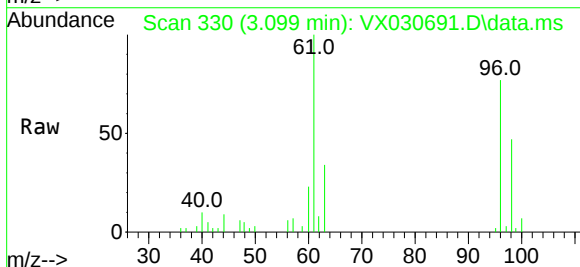
Tgt Ion: 96 Resp: 7009

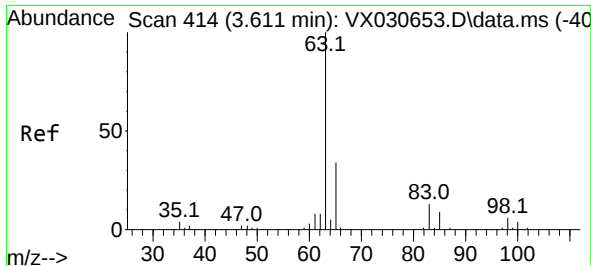
Ion Ratio Lower Upper

96 100

61 129.9 103.7 192.5

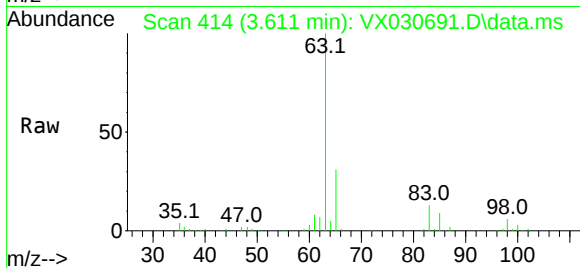
98 61.2 41.5 77.1



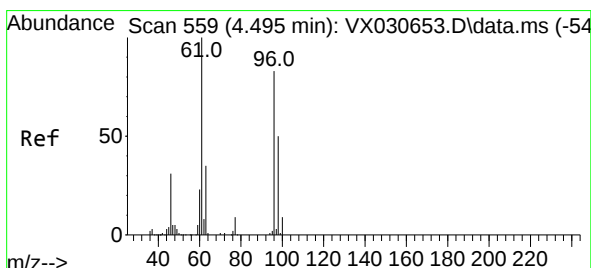
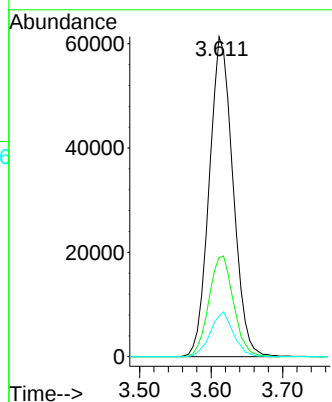
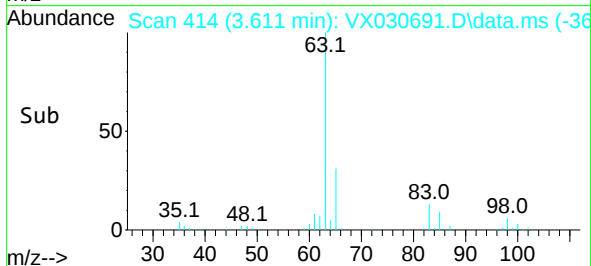


#19
1,1-Dichloroethane
Concen: 35.621 ug/L
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX030691.D
Acq: 18 Aug 2022 17:35

Instrument :
MSVOA_X
ClientSampleId :

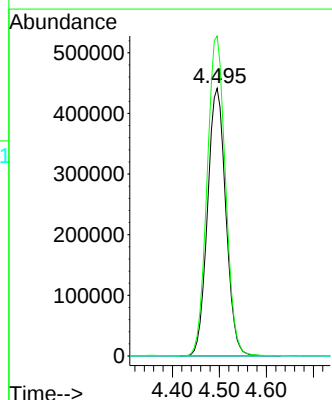
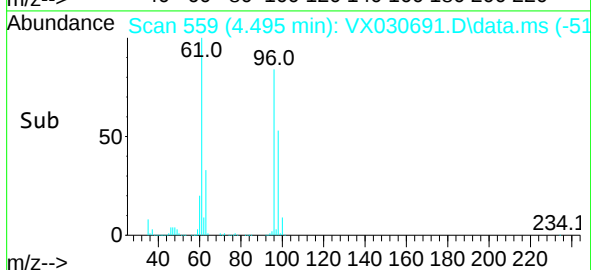
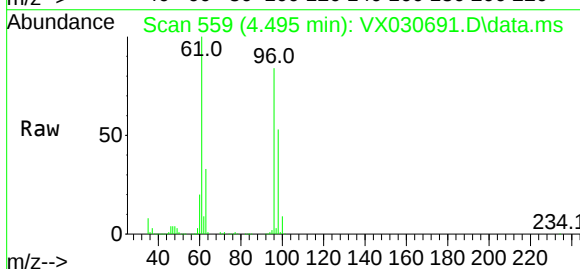


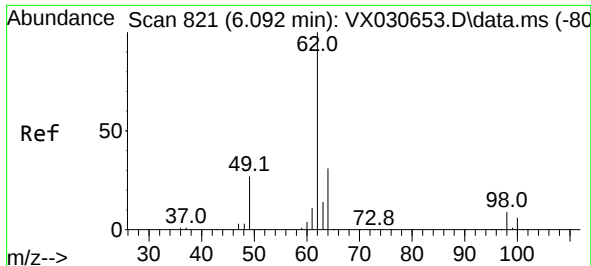
Tgt Ion: 63 Resp: 141363
Ion Ratio Lower Upper
63 100
65 31.0 22.0 40.8
83 12.7 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 516.133 ug/L
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX030691.D
Acq: 18 Aug 2022 17:35

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

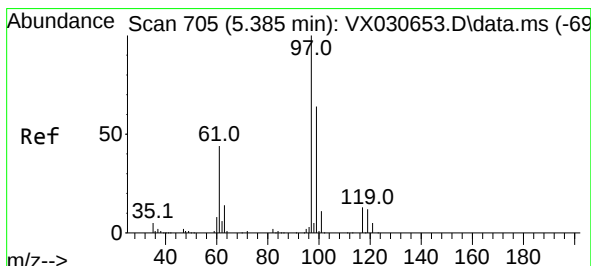
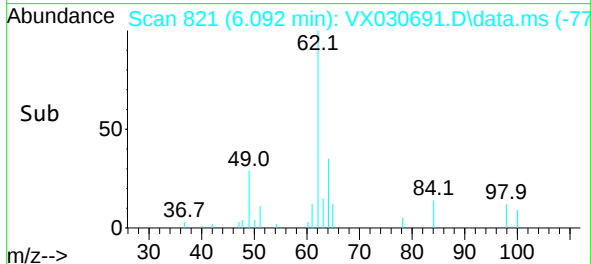
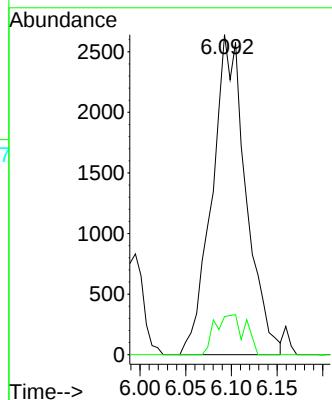
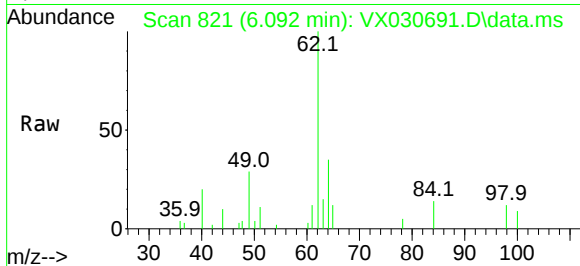




#27
 1,2-Dichloroethane
 Concen: 1.965 ug/L
 RT: 6.092 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VX030691.D
 Acq: 18 Aug 2022 17:35

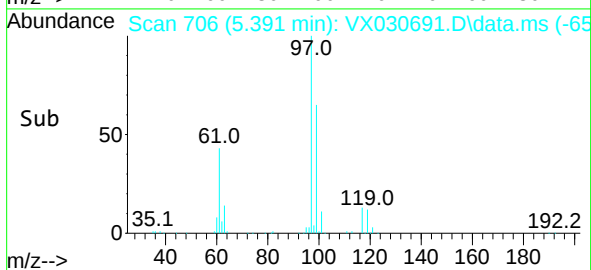
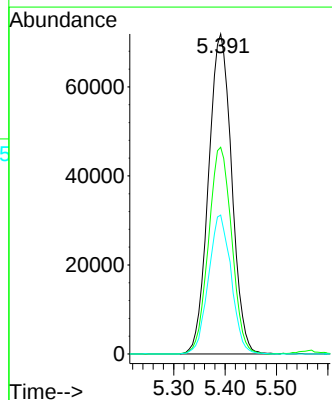
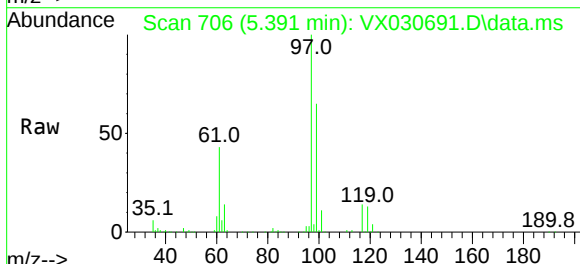
Instrument :
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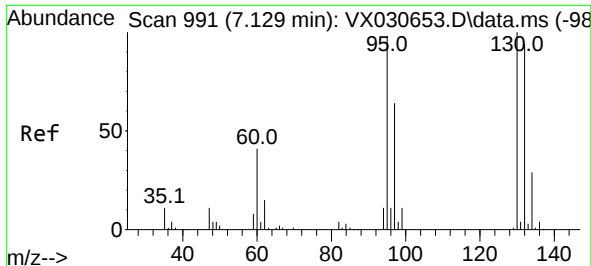
Tgt Ion: 62 Resp: 6820
 Ion Ratio Lower Upper
 62 100
 98 11.9 7.0 10.6#



#30
 1,1,1-Trichloroethane
 Concen: 58.499 ug/L
 RT: 5.391 min Scan# 706
 Delta R.T. 0.006 min
 Lab File: VX030691.D
 Acq: 18 Aug 2022 17:35

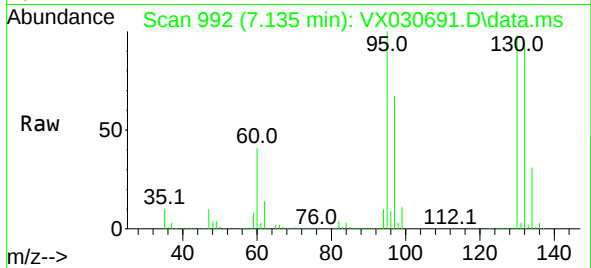
Tgt Ion: 97 Resp: 225158
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.4 77.0
 61 42.5 37.0 55.6



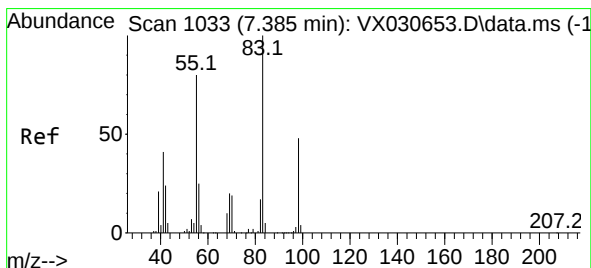
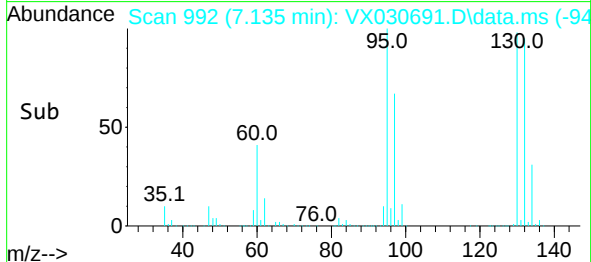
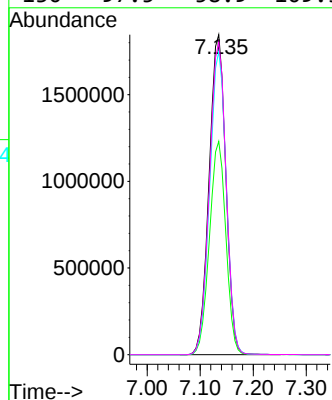


#34
Trichloroethene
Concen: 1492.190 ug/L
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX030691.D
Acq: 18 Aug 2022 17:35

Instrument :
MSVOA_X
ClientSampleId :

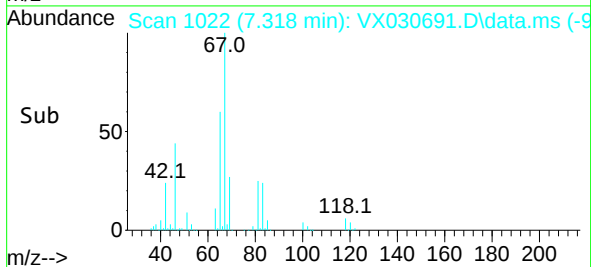
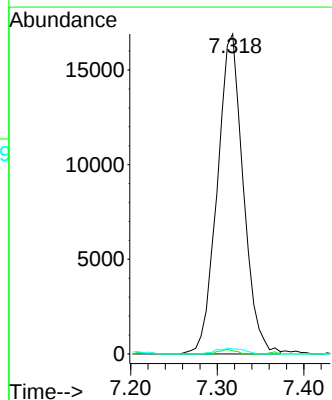
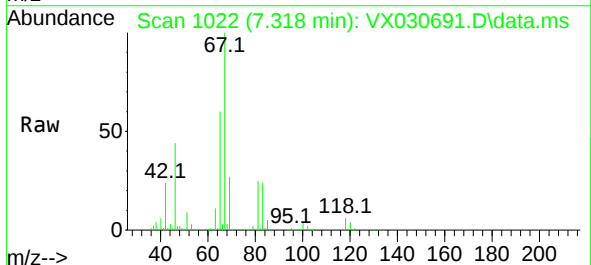


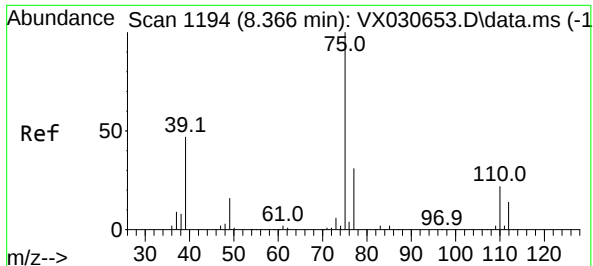
Tgt Ion: 95 Resp: 4043215
Ion Ratio Lower Upper
95 100
97 66.7 40.2 74.6
132 94.7 55.3 102.7
130 97.5 58.9 109.5



#35
Methylcyclohexane
Concen: 8.928 ug/L
RT: 7.318 min Scan# 1022
Delta R.T. -0.067 min
Lab File: VX030691.D
Acq: 18 Aug 2022 17:35

Tgt Ion: 83 Resp: 35216
Ion Ratio Lower Upper
83 100
55 0.9 64.0 96.0#
98 1.9 36.7 55.1#





#39

cis-1,3-Dichloropropene

Concen: 0.965 ug/L

RT: 8.330 min Scan# 1188

Delta R.T. -0.036 min

Lab File: VX030691.D

Acq: 18 Aug 2022 17:35

Instrument :

MSVOA_X

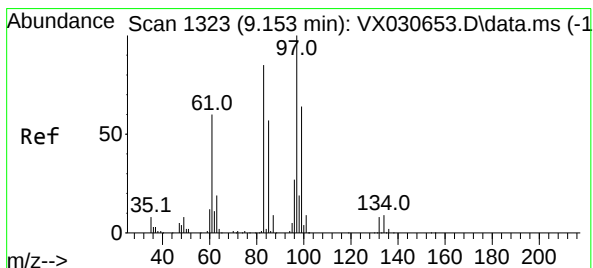
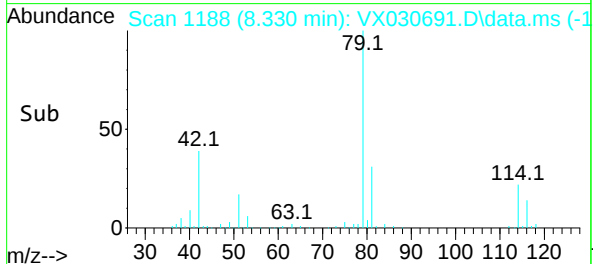
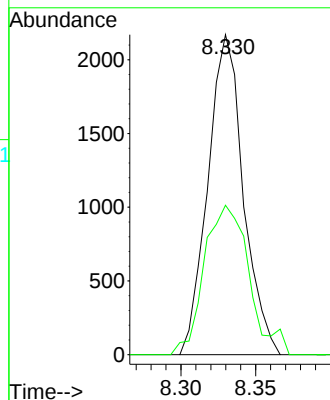
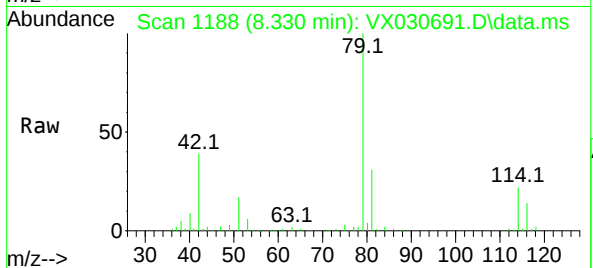
ClientSampleId :

Tgt Ion: 75 Resp: 3580

Ion Ratio Lower Upper

75 100

77 46.7 22.4 41.6#



#45

1,1,2-Trichloroethane

Concen: 1.559 ug/L

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX030691.D

Acq: 18 Aug 2022 17:35

Tgt Ion: 97 Resp: 3605

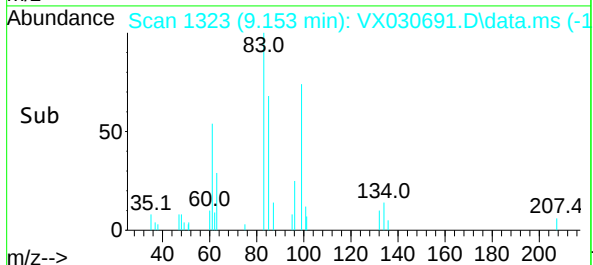
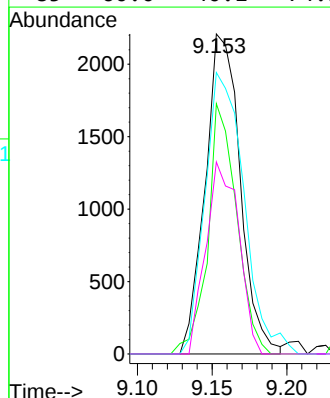
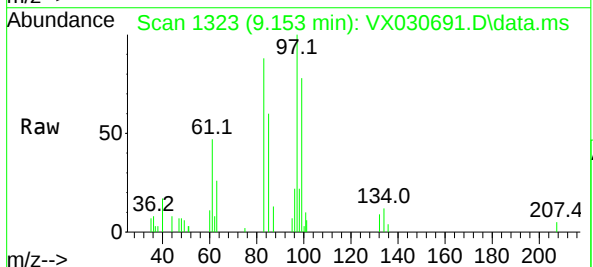
Ion Ratio Lower Upper

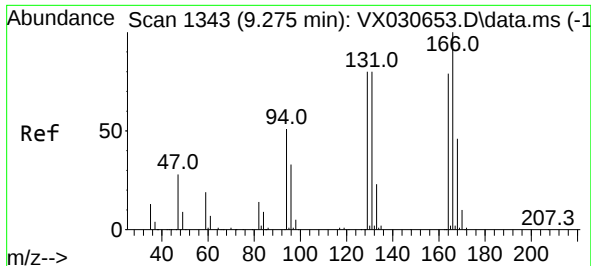
97 100

99 78.2 43.3 80.3

83 88.0 63.0 117.0

85 60.0 40.1 74.5

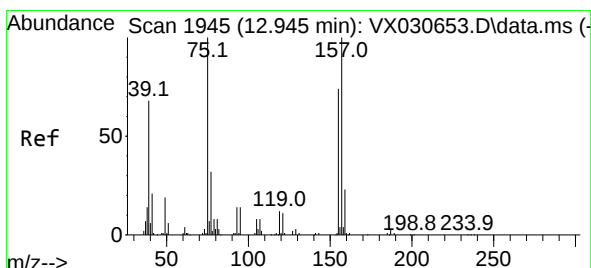
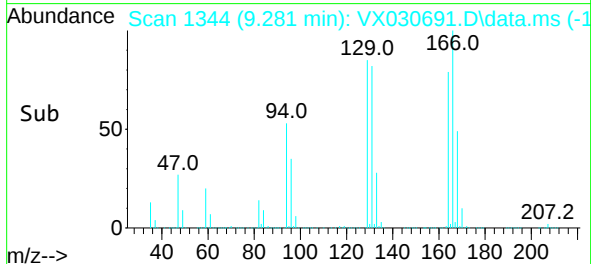
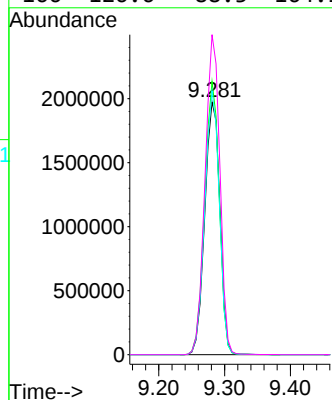
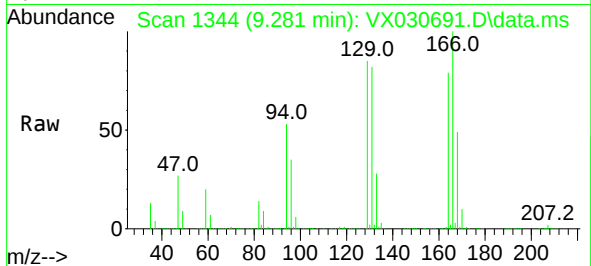




#46
Tetrachloroethene
Concen: 1835.832 ug/L
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030691.D
Acq: 18 Aug 2022 17:35

Instrument :
MSVOA_X
ClientSampleId :

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



#68
1,2-Dibromo-3-chloropropane
Concen: 1.669 ug/L
RT: 12.762 min Scan# 1915
Delta R.T. -0.183 min
Lab File: VX030691.D
Acq: 18 Aug 2022 17:35

Tgt Ion: 75 Resp: 1578
Ion Ratio Lower Upper
75 100
155 0.0 57.1 85.7#
157 0.0 73.1 109.7#

