

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051121\
 Data File : VX021908.D
 Acq On : 11 May 2021 18:40
 Operator : JC/MD
 Sample : M2339-04
 Misc : 25.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 12 03:42:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXTR051021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 12 03:37:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	76790	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	70172	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	32658	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	27905	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.673	69	24031	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.307	63	35301	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	4.471	46	76866	51.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.30%
24) Chloroform-d	5.068	84	50892	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.964	65	26941	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.983	84	108588	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	7.312	67	33189	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	8.653	98	95591	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloroprop...	8.952	79	13951	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	9.385	63	65076	47.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.08%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	25793	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
66) 1,2-Dichlorobenzene-d4	12.323	152	31484	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%
Target Compounds						Qvalue
9) Trichlorofluoromethane	1.892	101	122986	12.44	ug/L	98
21) 2-Butanone	4.727	43	16657	11.77	ug/L #	46
22) cis-1,2-Dichloroethene	4.495	96	9075	1.41	ug/L	96
25) Chloroform	5.111	83	2912	0.27	ug/L	92
31) Carbon tetrachloride	5.678	117	2775	0.34	ug/L	100
34) Trichloroethene	7.135	95	8727	1.38	ug/L	94
35) Methylcyclohexane	7.318	83	8030	0.74	ug/L #	22
37) 1,2-Dichloropropane	7.324	63	3663	0.62	ug/L #	85
39) cis-1,3-Dichloropropene	8.330	75	1144	0.12	ug/L #	43
44) trans-1,3-Dichloropropene	8.952	75	625	0.08	ug/L	99
45) 1,1,2-Trichloroethane	9.159	97	594	0.15	ug/L #	78
47) Tetrachloroethene	9.275	164	119009	28.24	ug/L	96
49) Dibromochloromethane	9.275	129	125888	26.56	ug/L #	11
60) Isopropylbenzene	10.970	105	765	0.03	ug/L	95
61) 1,2,3-Trichloropropane	12.024	75	5080	1.50	ug/L #	64
62) 1,3,5-Trimethylbenzene	11.463	105	114	0.00	ug/L #	29
63) 1,2,4-Trimethylbenzene	11.756	105	369	0.02	ug/L #	63

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 12 03:42:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXTR051021WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed May 12 03:37:54 2021
Response via : Initial Calibration

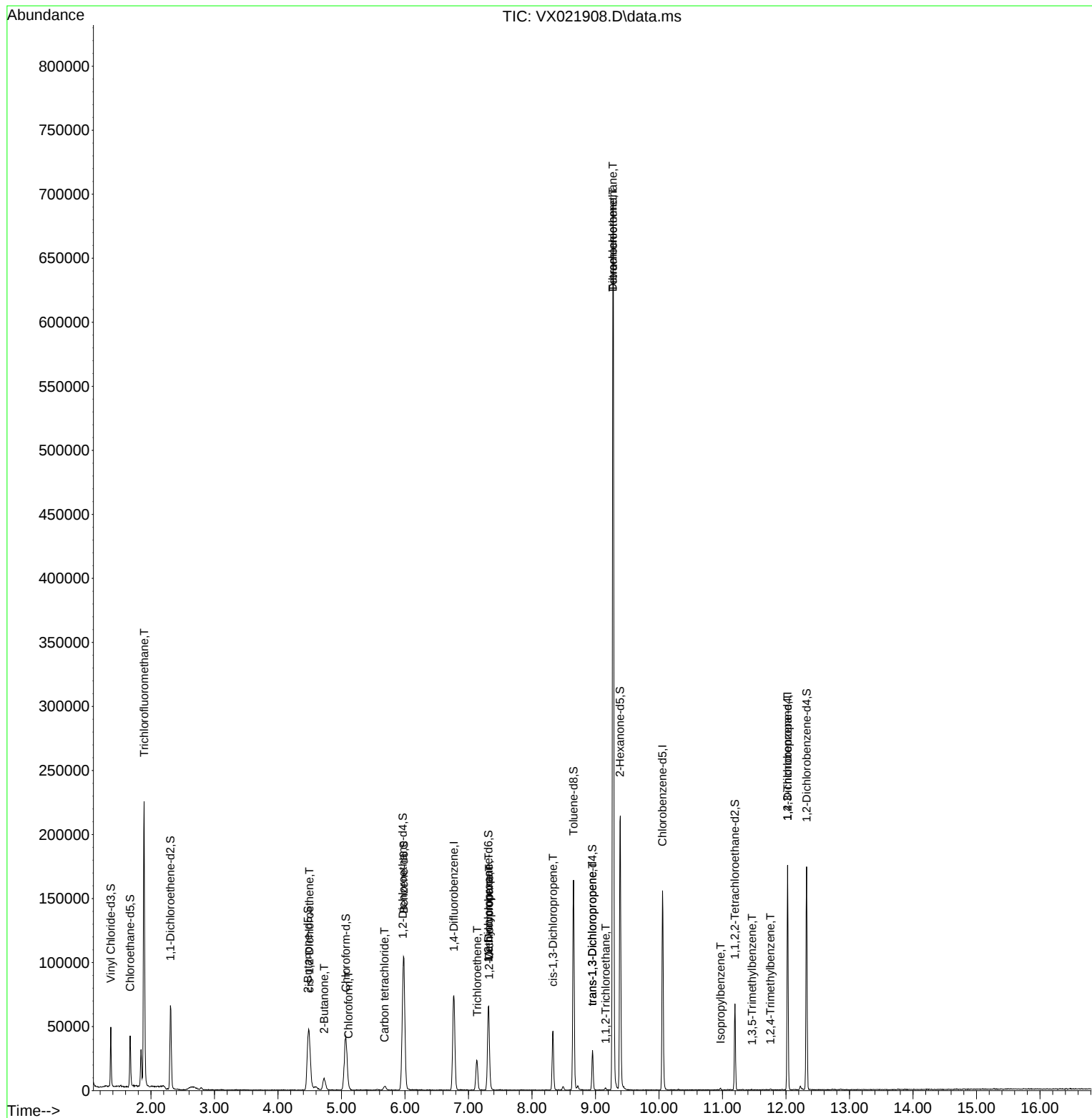
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

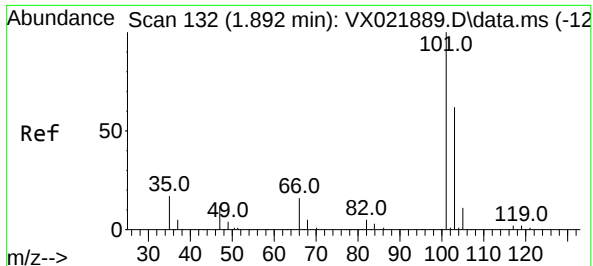
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXTR051021WMA.M
Quant Title : TRACE VOA SFAM1.0
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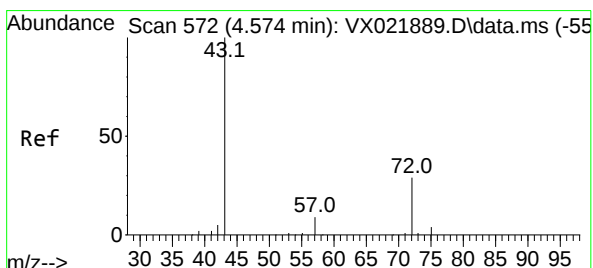
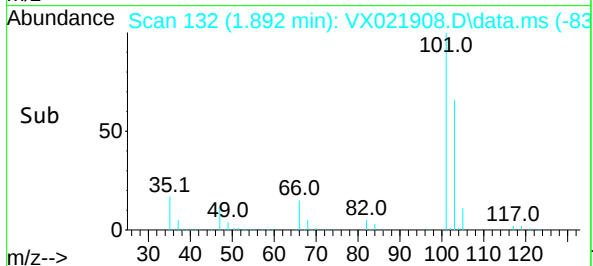
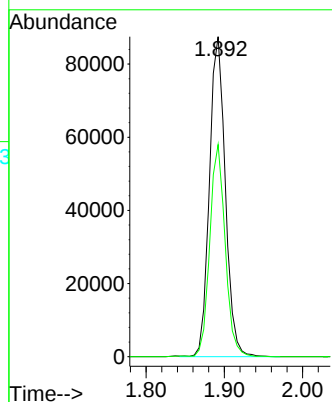
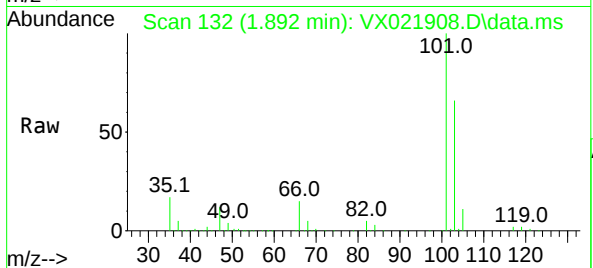




#9
Trichlorofluoromethane
Concen: 12.44 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.000 min
Lab File: VX021908.D
Acq: 11 May 2021 18:40

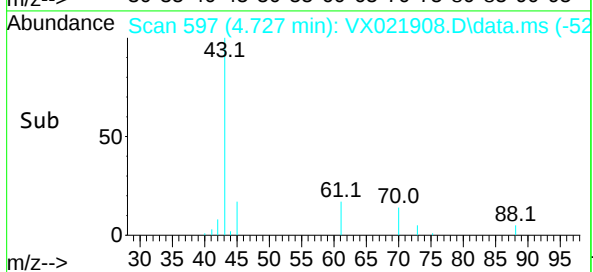
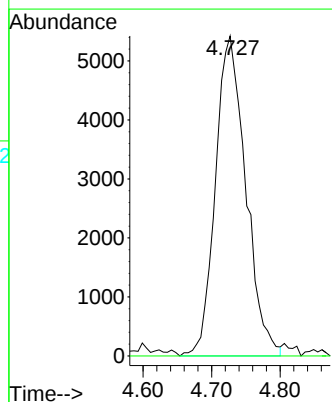
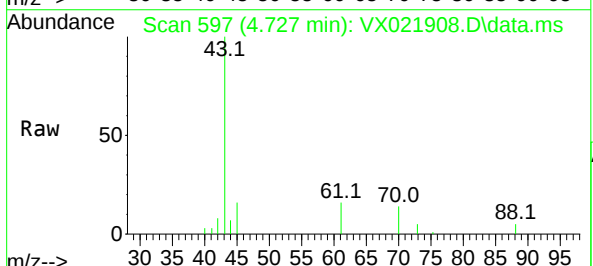
Instrument :
MSVOA_X
ClientSampled :

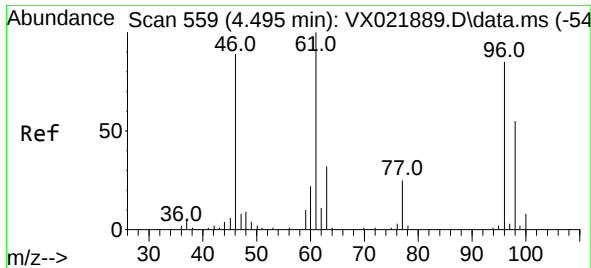
Tgt Ion:101 Resp: 122986
Ion Ratio Lower Upper
101 100
103 64.4 52.6 79.0



#21
2-Butanone
Concen: 11.77 ug/L
RT: 4.727 min Scan# 597
Delta R.T. 0.153 min
Lab File: VX021908.D
Acq: 11 May 2021 18:40

Tgt Ion: 43 Resp: 16657
Ion Ratio Lower Upper
43 100
72 0.0 14.4 43.2#

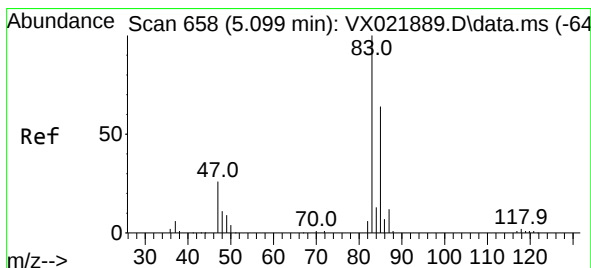
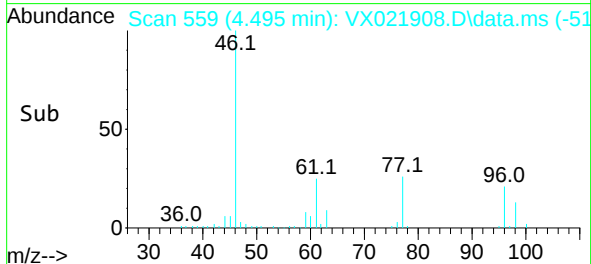
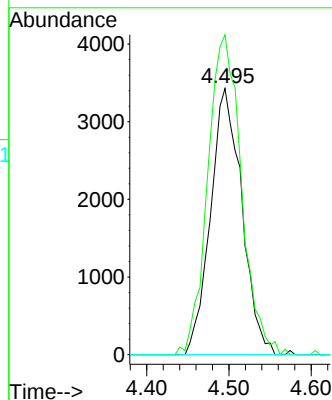
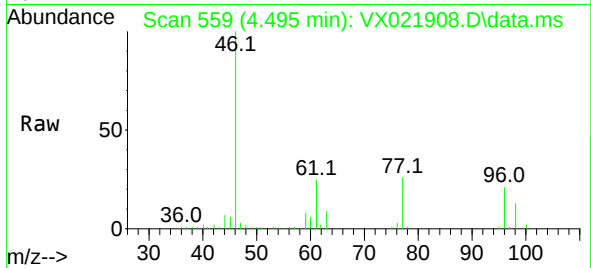




#22
cis-1,2-Dichloroethene
Concen: 1.41 ug/L
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX021908.D
Acq: 11 May 2021 18:40

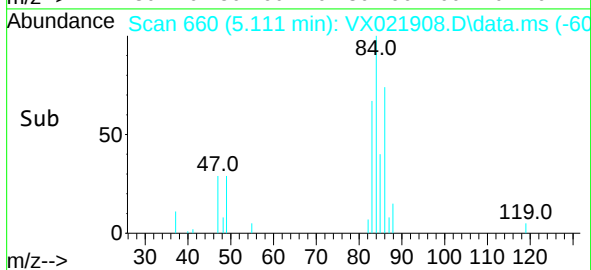
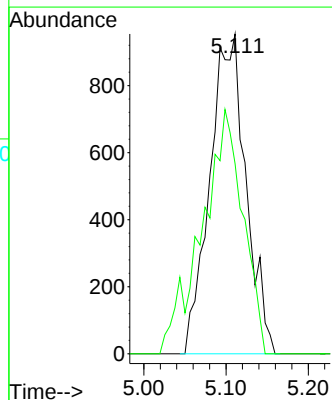
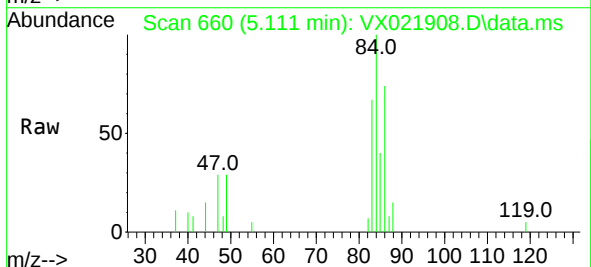
Instrument :
MSVOA_X
ClientSampled :

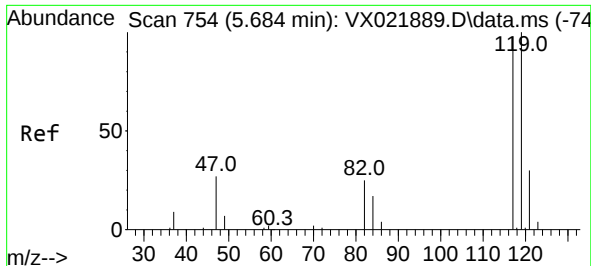
Tgt Ion: 96 Resp: 9075
Ion Ratio Lower Upper
96 100
61 120.2 80.9 150.3
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.27 ug/L
RT: 5.111 min Scan# 660
Delta R.T. 0.012 min
Lab File: VX021908.D
Acq: 11 May 2021 18:40

Tgt Ion: 83 Resp: 2912
Ion Ratio Lower Upper
83 100
85 59.4 46.3 86.1

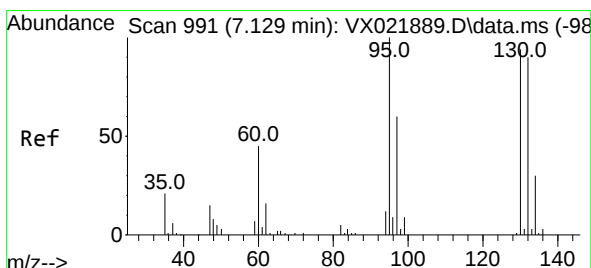
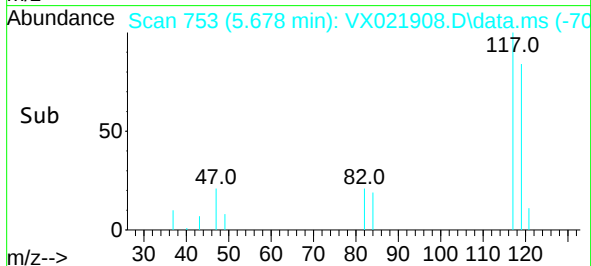
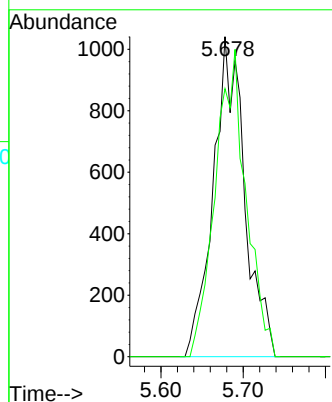
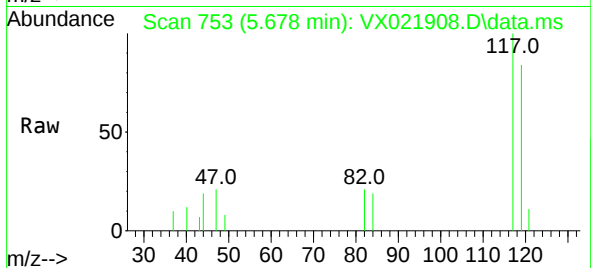




#31
Carbon tetrachloride
Concen: 0.34 ug/L
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX021908.D
Acq: 11 May 2021 18:40

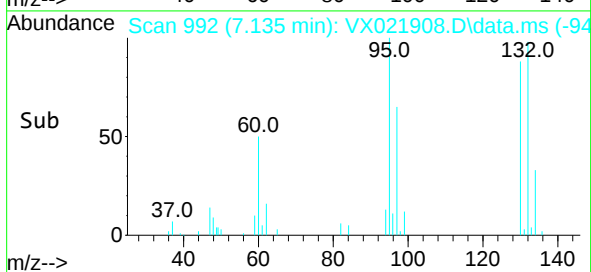
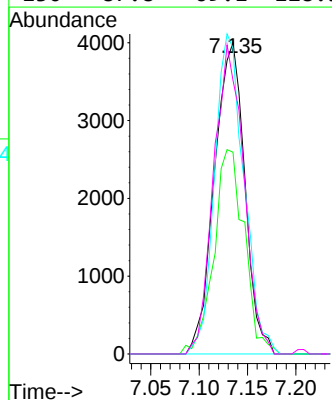
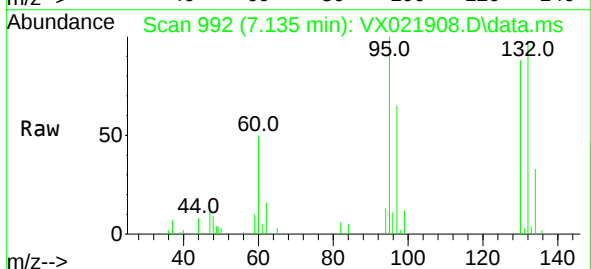
Instrument :
MSVOA_X
ClientSampled :

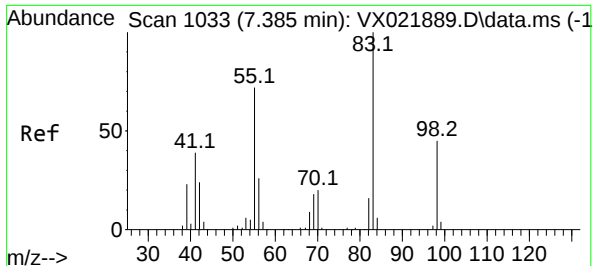
Tgt Ion: 117 Resp: 2775
Ion Ratio Lower Upper
117 100
119 93.8 74.8 112.2



#34
Trichloroethene
Concen: 1.38 ug/L
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX021908.D
Acq: 11 May 2021 18:40

Tgt Ion: 95 Resp: 8727
Ion Ratio Lower Upper
95 100
97 64.8 48.6 90.2
132 98.1 67.3 125.1
130 87.8 69.1 128.3





#35

Methylcyclohexane

Concen: 0.74 ug/L

RT: 7.318 min Scan# 1022

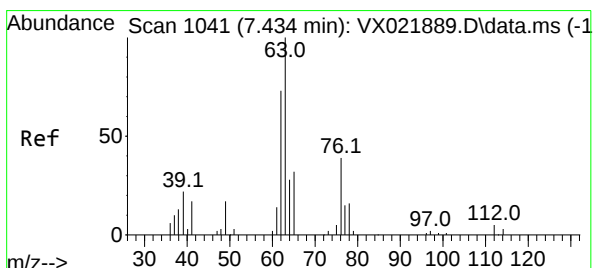
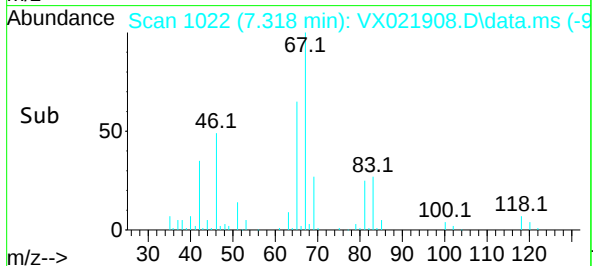
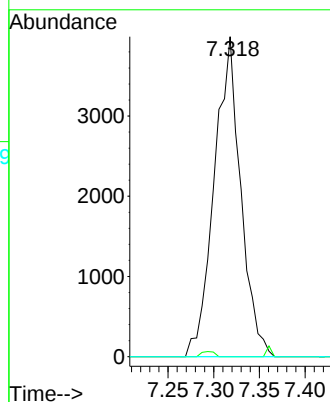
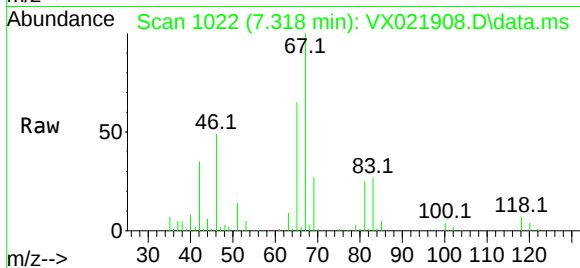
Delta R.T. -0.067 min

Lab File: VX021908.D

Acq: 11 May 2021 18:40

Tgt Ion:	83	Resp:	8030
Ion	Ratio	Lower	Upper
83	100		
55	0.8	60.3	90.5#
98	5.9	39.4	59.2#

Instrument :
MSVOA_X
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.62 ug/L

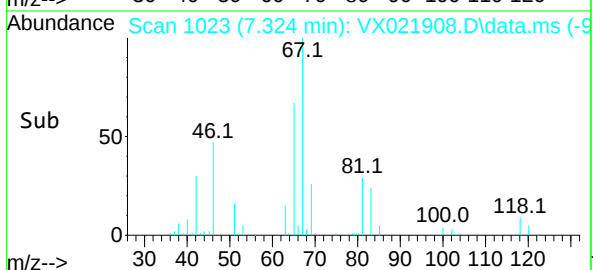
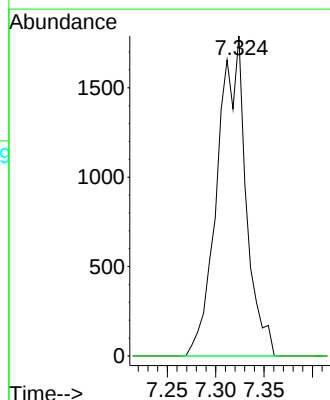
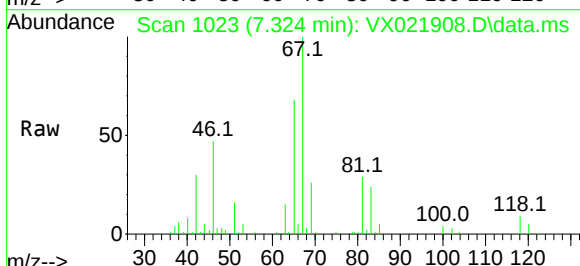
RT: 7.324 min Scan# 1023

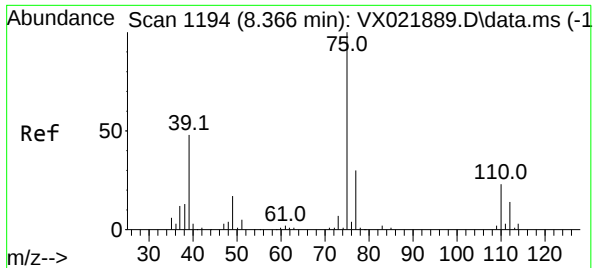
Delta R.T. -0.110 min

Lab File: VX021908.D

Acq: 11 May 2021 18:40

Tgt Ion:	63	Resp:	3663
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.1	6.1#



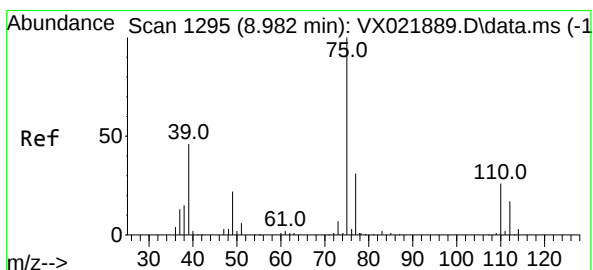
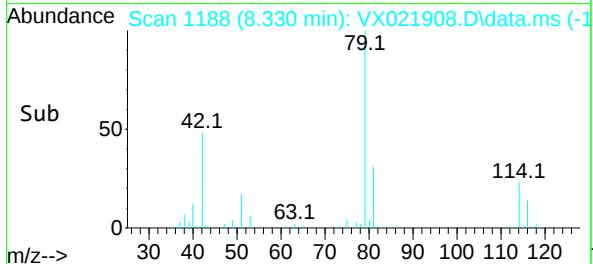
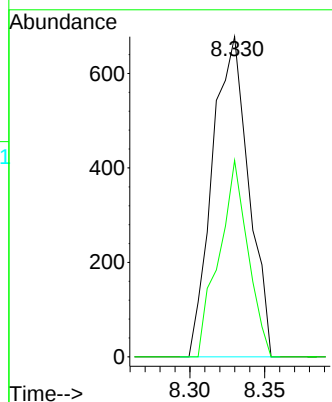
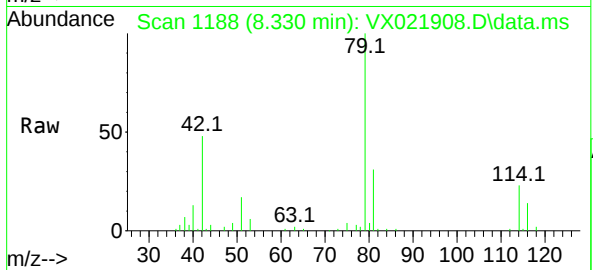


#39

cis-1,3-Dichloropropene
Concen: 0.12 ug/L
RT: 8.330 min Scan# 1188
Delta R.T. -0.036 min
Lab File: VX021908.D
Acq: 11 May 2021 18:40

Instrument :
MSVOA_X
ClientSampled :

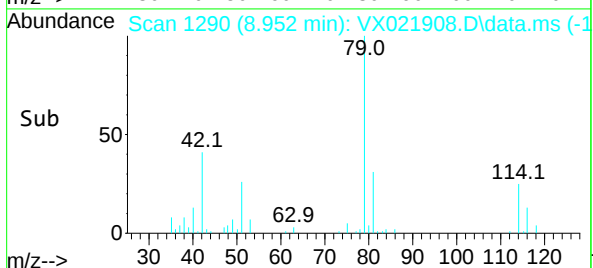
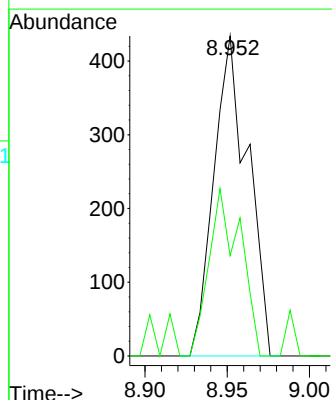
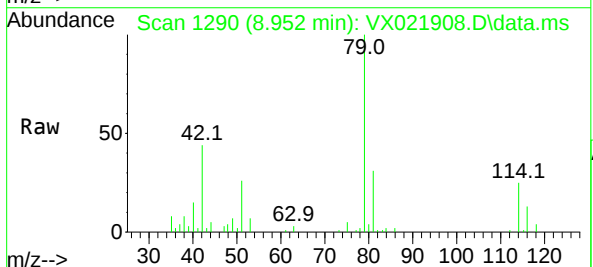
Tgt Ion: 75 Resp: 1144
Ion Ratio Lower Upper
75 100
77 61.4 21.3 39.5#

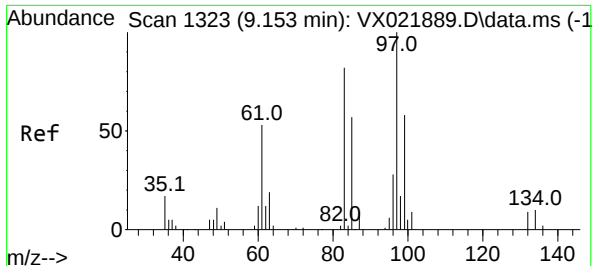


#44

trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX021908.D
Acq: 11 May 2021 18:40

Tgt Ion: 75 Resp: 625
Ion Ratio Lower Upper
75 100
77 31.3 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 0.15 ug/L

RT: 9.159 min Scan# 1324

Delta R.T. 0.006 min

Lab File: VX021908.D

Acq: 11 May 2021 18:40

Tgt Ion: 97 Resp: 594

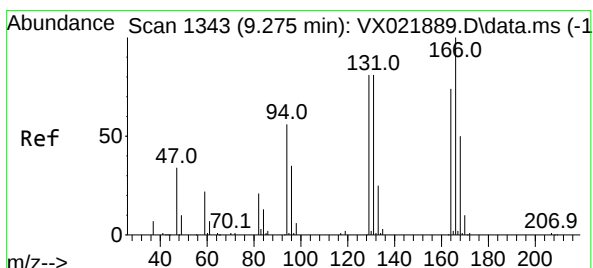
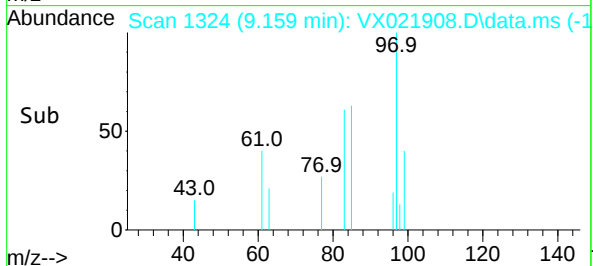
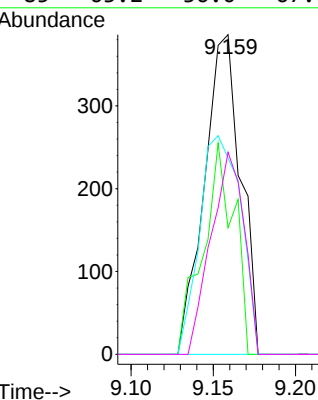
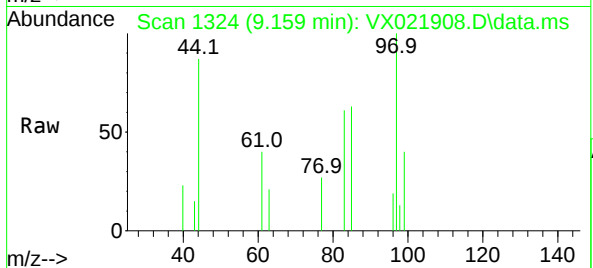
Ion Ratio Lower Upper

97 100

99 39.6 42.6 79.0#

83 61.4 55.4 102.8

85 63.2 36.0 67.0



#47

Tetrachloroethene

Concen: 28.24 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX021908.D

Acq: 11 May 2021 18:40

Tgt Ion: 164 Resp: 119009

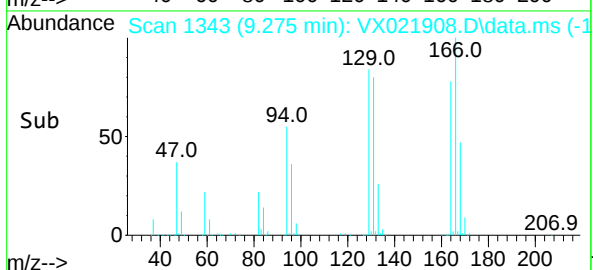
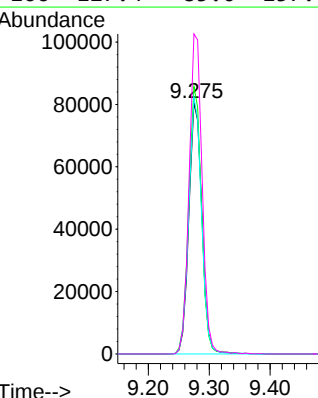
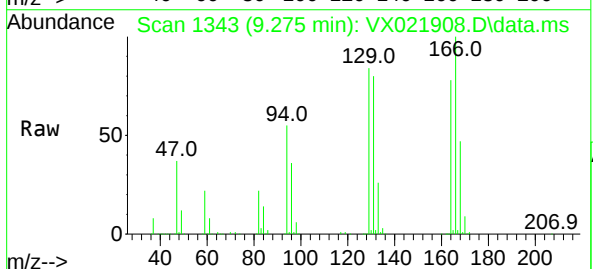
Ion Ratio Lower Upper

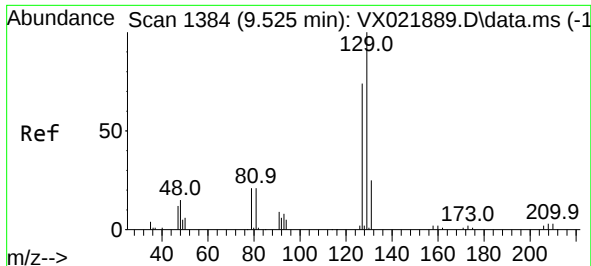
164 100

129 106.4 73.1 135.7

131 102.2 69.1 128.3

166 127.4 85.0 157.8





#49

Dibromochloromethane

Concen: 26.56 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX021908.D

Acq: 11 May 2021 18:40

Tgt Ion:129 Resp: 125888

Ion Ratio Lower Upper

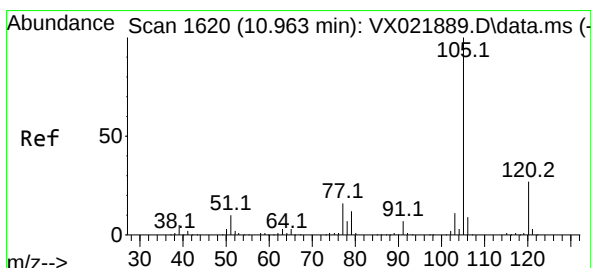
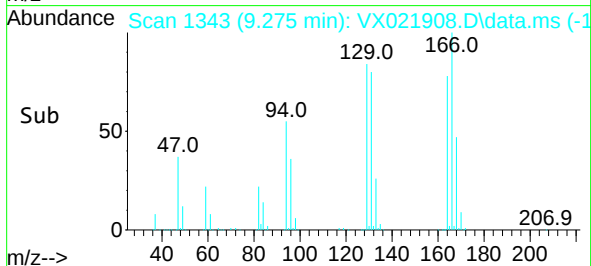
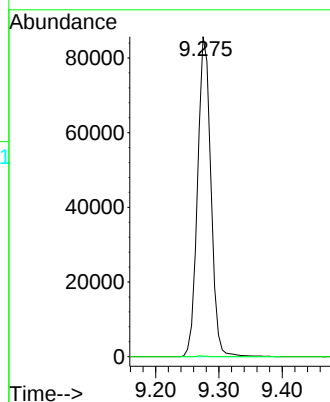
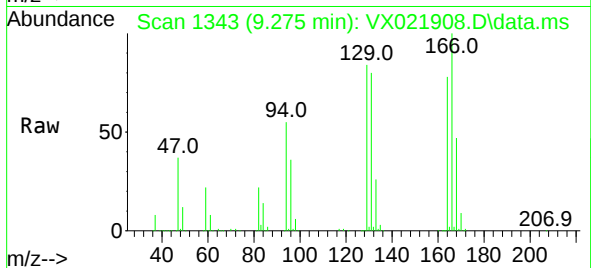
129 100

127 0.1 53.5 99.5#

Instrument :

MSVOA_X

ClientSampled :



#60

Isopropylbenzene

Concen: 0.03 ug/L

RT: 10.970 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VX021908.D

Acq: 11 May 2021 18:40

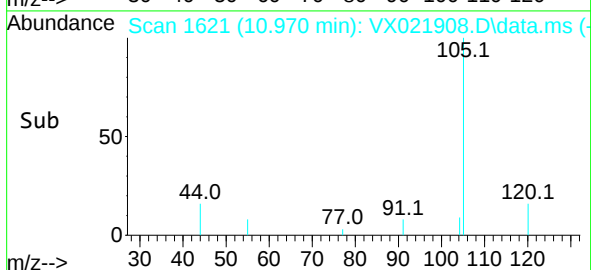
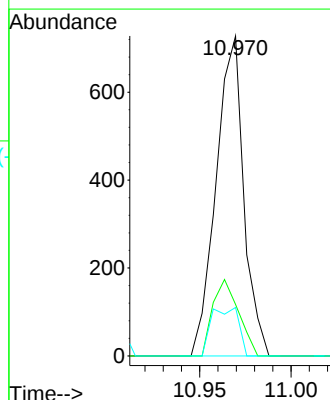
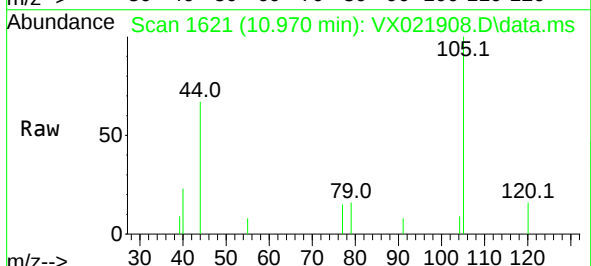
Tgt Ion:105 Resp: 765

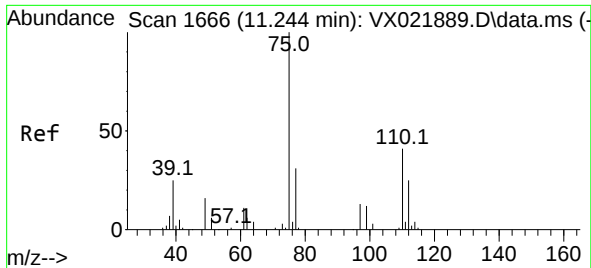
Ion Ratio Lower Upper

105 100

120 22.4 21.0 31.6

77 14.9 12.4 18.6

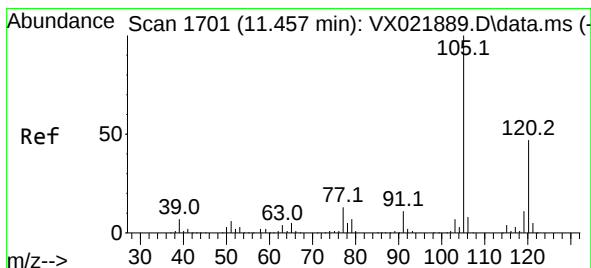
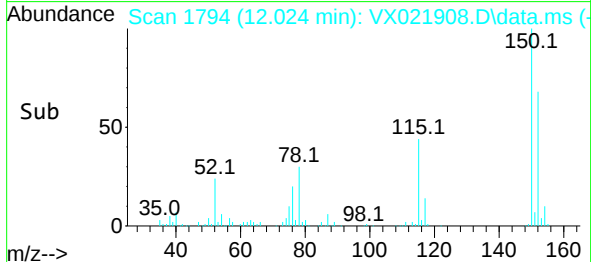
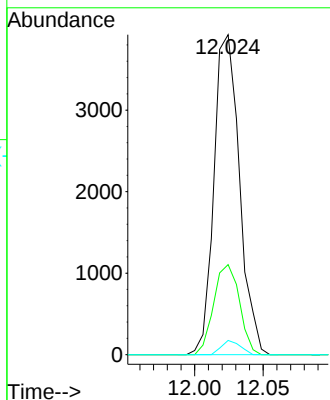
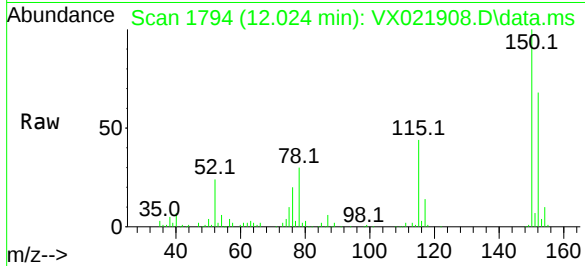




#61
1,2,3-Trichloropropane
Concen: 1.50 ug/L
RT: 12.024 min Scan# 1794
Delta R.T. 0.780 min
Lab File: VX021908.D
Acq: 11 May 2021 18:40

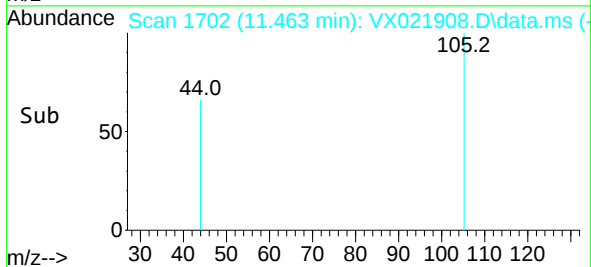
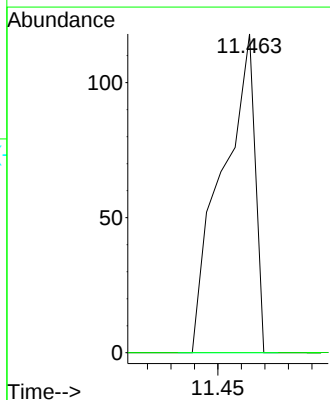
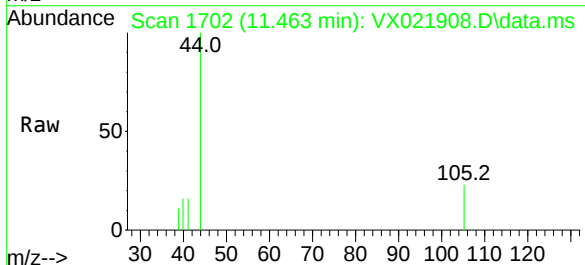
Instrument :
MSVOA_X
ClientSampled :

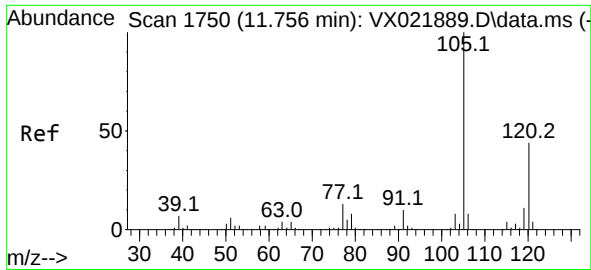
Tgt Ion: 75 Resp: 5080
Ion Ratio Lower Upper
75 100
77 28.4 24.6 37.0
110 3.3 32.3 48.5#



#62
1,3,5-Trimethylbenzene
Concen: 0.00 ug/L
RT: 11.463 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VX021908.D
Acq: 11 May 2021 18:40

Tgt Ion: 105 Resp: 114
Ion Ratio Lower Upper
105 100
120 0.0 38.4 57.6#





#63
 1,2,4-Trimethylbenzene
 Concen: 0.02 ug/L
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: VX021908.D
 Acq: 11 May 2021 18:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:105 Resp: 369
 Ion Ratio Lower Upper
 105 100
 120 20.9 36.4 54.6#

