

Data File : VX018721.D
Acq On : 01 Oct 2020 00:52
Operator : JC/SP
Sample : L4202-02
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFSB5

Quant Time: Oct 01 06:18:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	252894	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	239226	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	115648	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	45427	3.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.60%
7) Chloroethane-d5	1.70	69	44218	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.20%
11) 1,1-Dichloroethene-d2	2.34	63	90520	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.00%
20) 2-Butanone-d5	4.54	46	190058	56.32	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.64%
24) Chloroform-d	5.14	84	143656	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	6.03	65	82330	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	6.04	84	251969	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	7.37	67	80765	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	8.70	98	220330	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
45) trans-1,3-Dichloropropene-	8.99	79	32972	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
48) 2-Hexanone-d5	9.43	63	145624	54.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.68%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	64516	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	91482	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Qvalue
3) Chloromethane	1.31	50	11832	0.905 ug/L	94
5) Vinyl chloride	1.39	62	1168	0.085 ug/L #	1
6) Bromomethane	1.65	94	1008	0.123 ug/L	73
13) Acetone	2.43	43	24579	13.160 ug/L	97
14) Carbon disulfide	2.55	76	3095	0.082 ug/L #	80
15) Methyl Acetate	2.82	43	1906	0.369 ug/L #	72
22) cis-1,2-Dichloroethene	4.57	96	23805	1.849 ug/L #	91
34) Trichloroethene	7.19	95	11040	0.827 ug/L	94
35) Methylcyclohexane	7.37	83	19910	1.072 ug/L #	16
39) cis-1,3-Dichloropropene	8.38	75	2685	0.154 ug/L #	72
43) 1,3,5-Trimethylbenzene	11.49	105	4345	0.100 ug/L	97
44) 1,2,4-Trimethylbenzene	11.79	105	6184	0.142 ug/L	97
49) Tetrachloroethene	9.32	164	216242	20.579 ug/L	98
51) Dibromochloromethane	9.32	129	209382	18.118 ug/L #	10
69) 1,2,4-trichlorobenzene	13.63	180	5770	0.373 ug/L	95
71) 1,2,3-Trichlorobenzene	14.00	180	2147	0.154 ug/L	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093020\
Quantitation Report (Not Reviewed)

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration

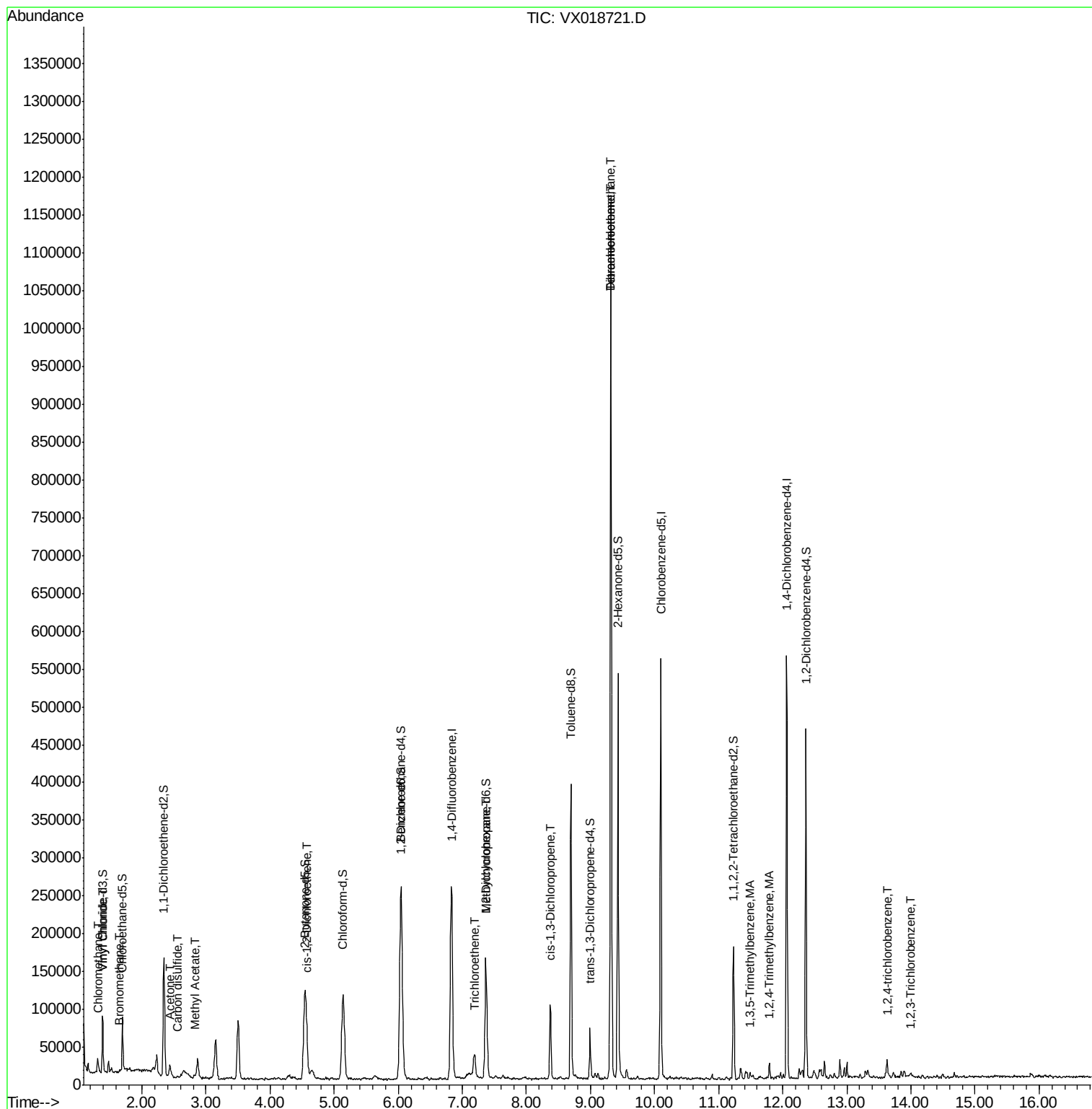
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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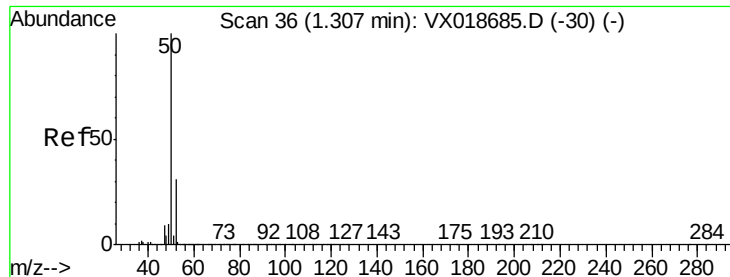
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.905 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX018721.D

Acq: 01 Oct 2020 00:52

Instrument :

MSVOA_X

ClientSampleId :

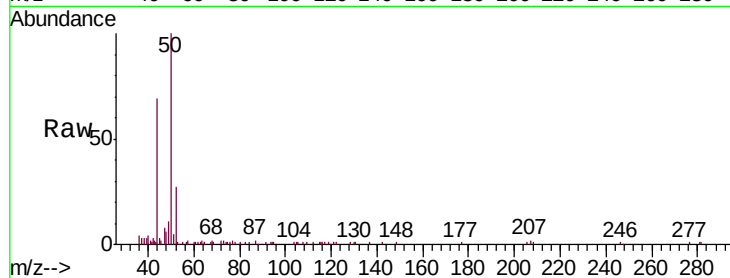
BFSB5

Tgt Ion: 50 Resp: 11832

Ion Ratio Lower Upper

50 100

52 27.1 21.2 39.4



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0

1.31

12000

10000

8000

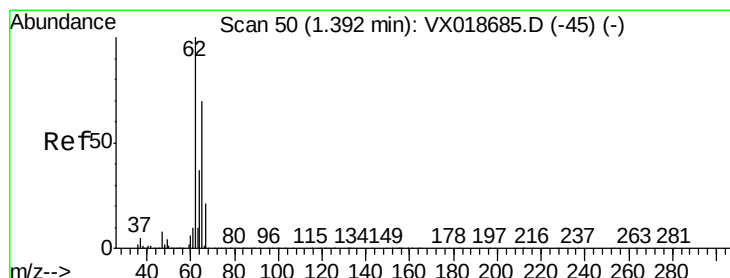
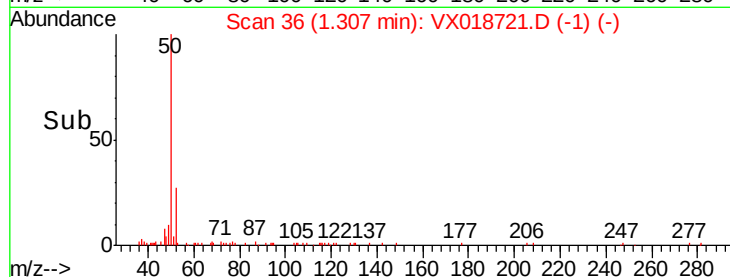
6000

4000

2000

0

Time-->



#5

Vinyl chloride

Concen: 0.085 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018721.D

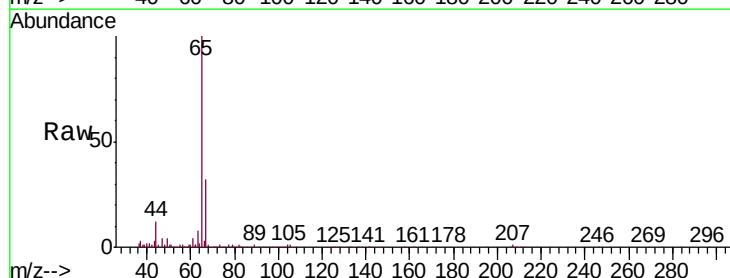
Acq: 01 Oct 2020 00:52

Tgt Ion: 62 Resp: 1168

Ion Ratio Lower Upper

62 100

64 158.4 23.6 43.8#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0

1.39

1000

800

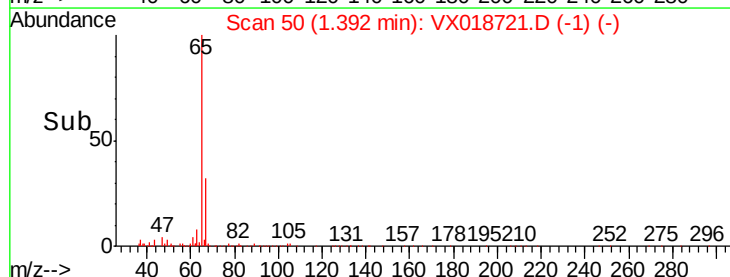
600

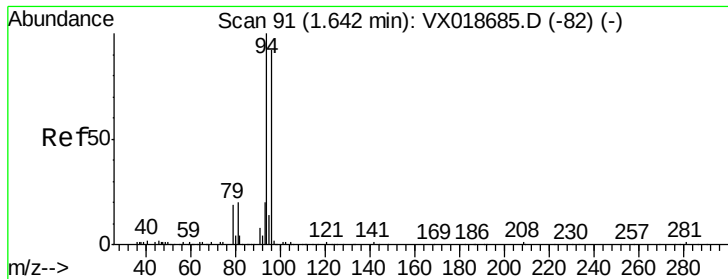
400

200

0

Time-->





#6

Bromomethane

Concen: 0.123 ug/L

RT: 1.65 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX018721.D

Acq: 01 Oct 2020 00:52

Instrument :

MSVOA_X

ClientSampleId :

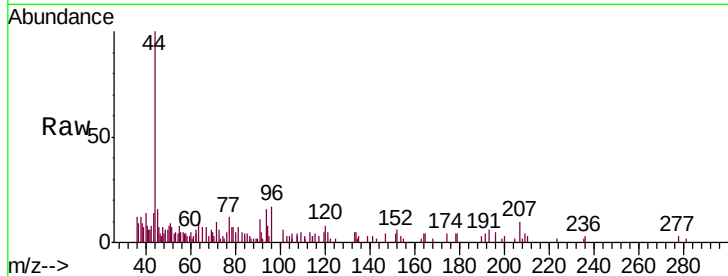
BFSB5

Tgt Ion: 94 Resp: 1008

Ion Ratio Lower Upper

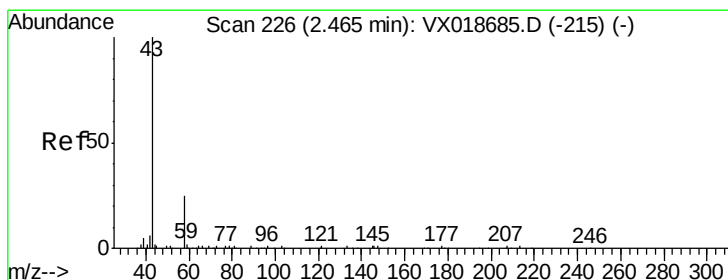
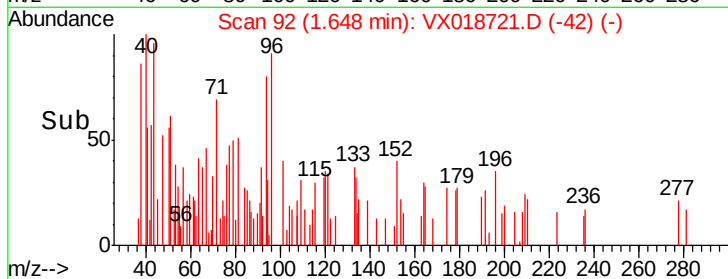
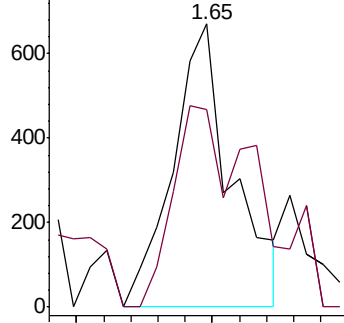
94 100

96 69.9 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#13

Acetone

Concen: 13.160 ug/L

RT: 2.43 min Scan# 221

Delta R.T. -0.03 min

Lab File: VX018721.D

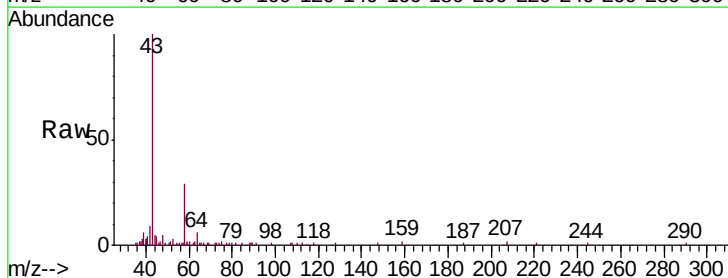
Acq: 01 Oct 2020 00:52

Tgt Ion: 43 Resp: 24579

Ion Ratio Lower Upper

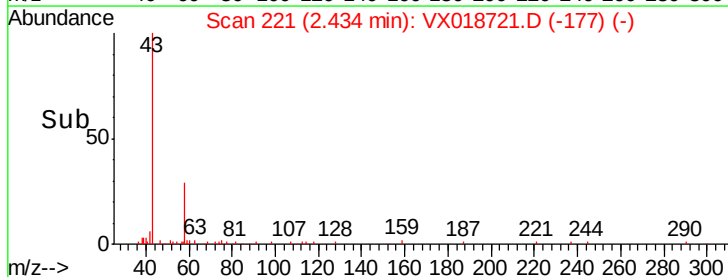
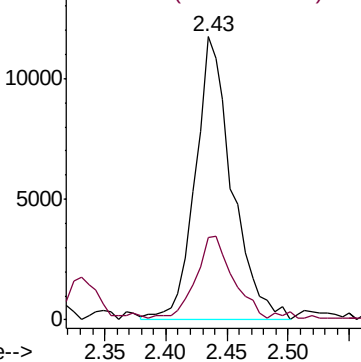
43 100

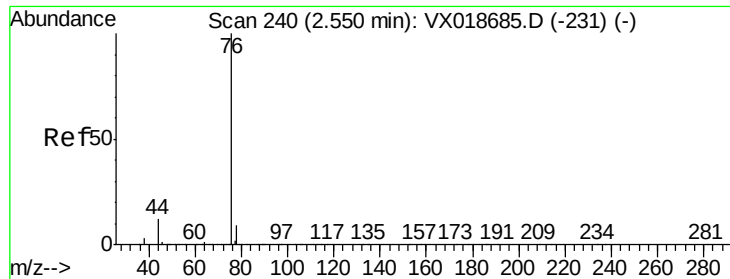
58 29.0 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0





#14

Carbon disulfide

Concen: 0.082 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018721.D

Acq: 01 Oct 2020 00:52

Instrument :

MSVOA_X

ClientSampleId :

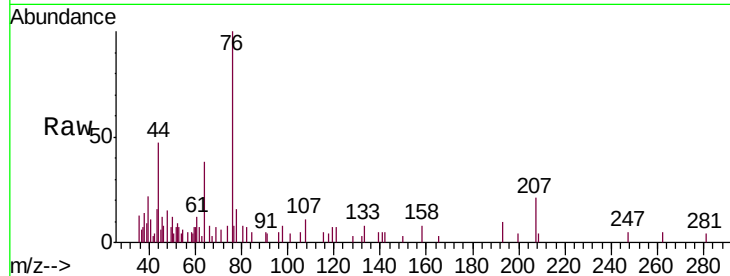
BFSB5

Tgt Ion: 76 Resp: 3095

Ion Ratio Lower Upper

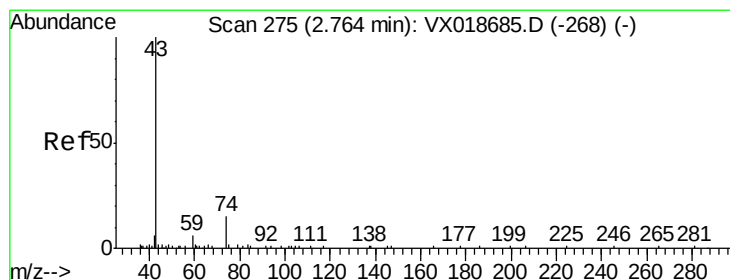
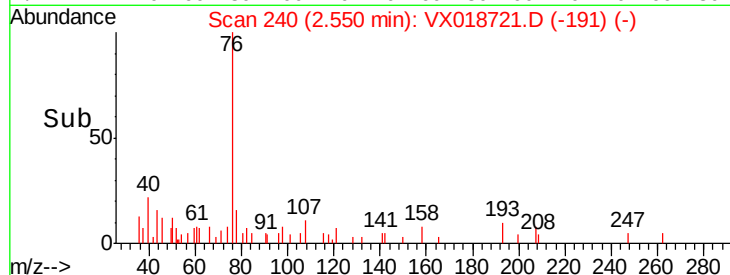
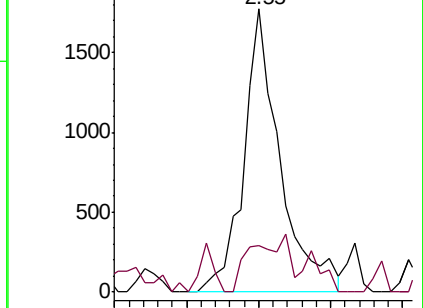
76 100

78 16.4 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0



#15

Methyl Acetate

Concen: 0.369 ug/L

RT: 2.82 min Scan# 284

Delta R.T. 0.05 min

Lab File: VX018721.D

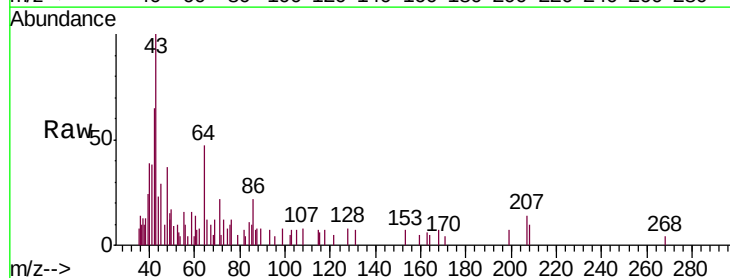
Acq: 01 Oct 2020 00:52

Tgt Ion: 43 Resp: 1906

Ion Ratio Lower Upper

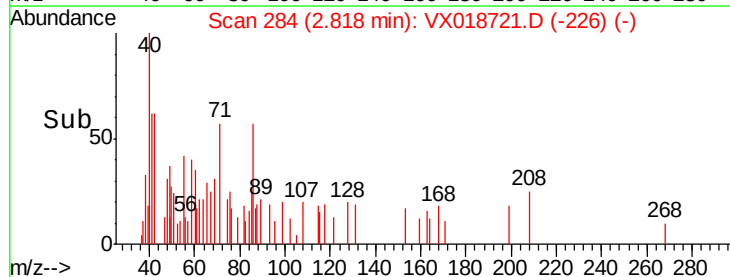
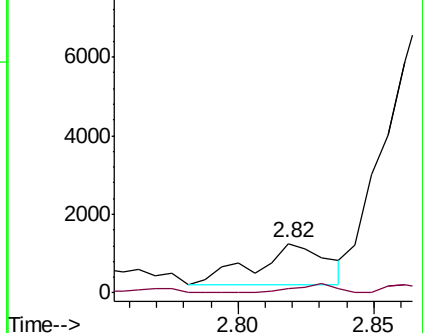
43 100

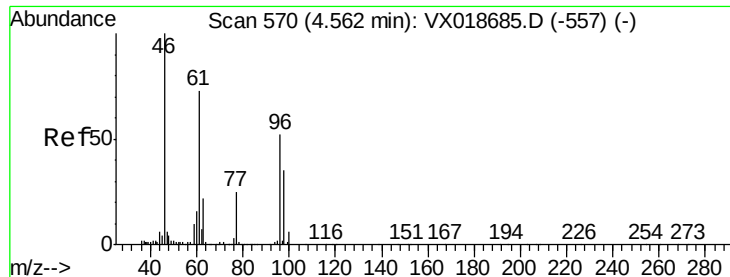
74 12.3 21.2 31.8#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



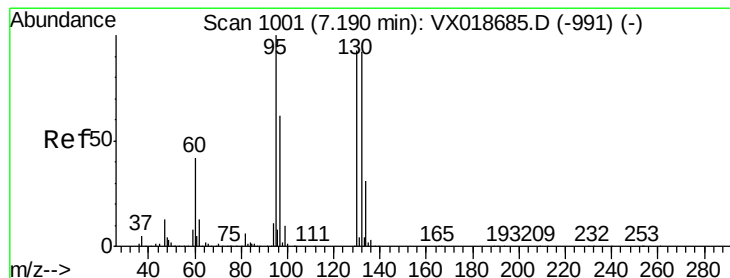
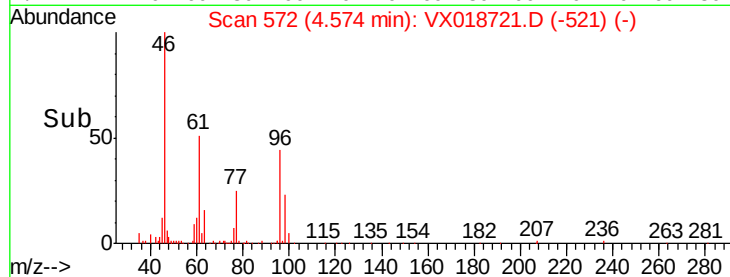
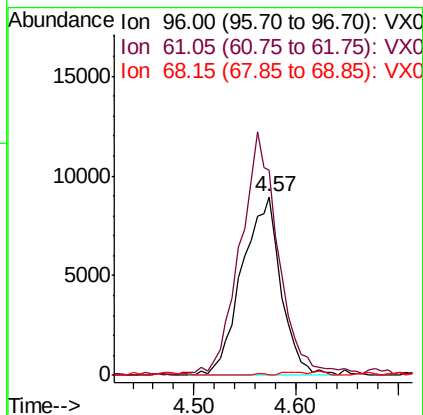
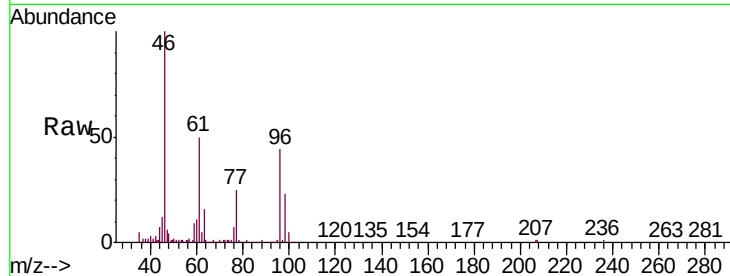


#22

cis-1,2-Dichloroethene
Concen: 1.849 ug/L
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX018721.D
Acq: 01 Oct 2020 00:52

Instrument :
MSVOA_X
ClientSampleId :
BFSB5

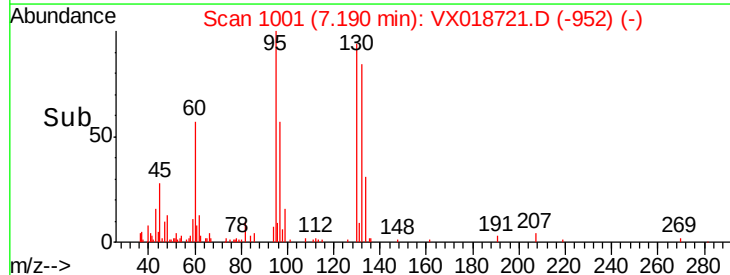
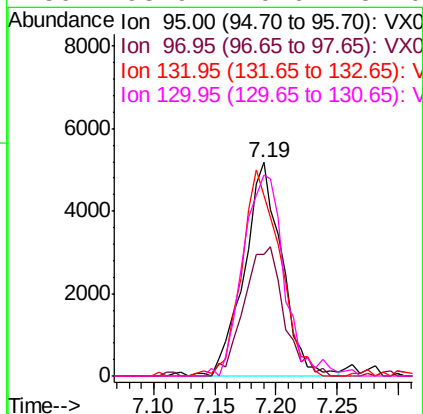
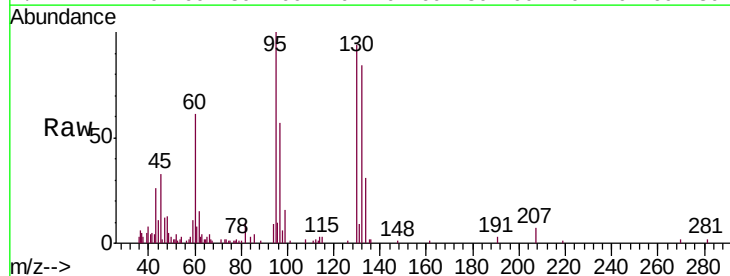
Tgt Ion: 96 Resp: 23805
Ion Ratio Lower Upper
96 100
61 114.9 87.7 162.9
68 0.0 0.3 0.7#

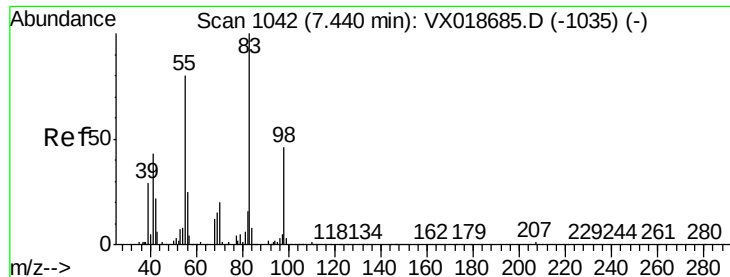


#34

Trichloroethene
Concen: 0.827 ug/L
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX018721.D
Acq: 01 Oct 2020 00:52

Tgt Ion: 95 Resp: 11040
Ion Ratio Lower Upper
95 100
97 57.1 40.6 75.4
132 84.4 64.3 119.5
130 93.9 70.6 131.0

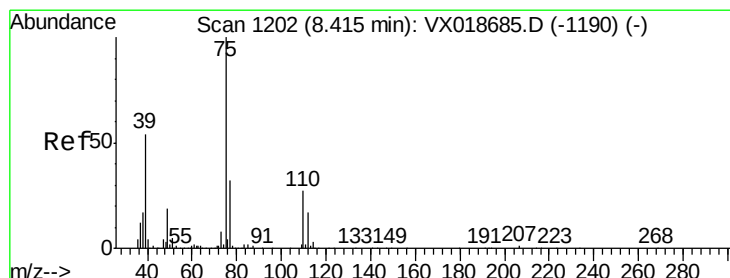
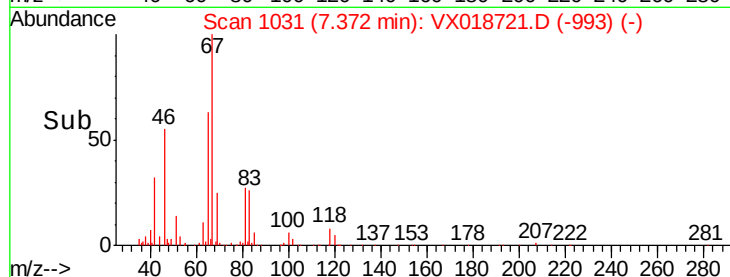
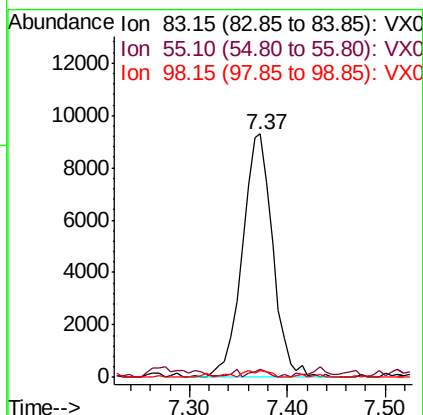
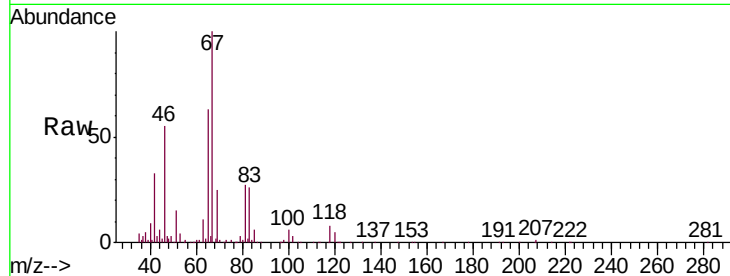




#35
Methylcyclohexane
Concen: 1.072 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.07 min
Lab File: VX018721.D
Acq: 01 Oct 2020 00:52

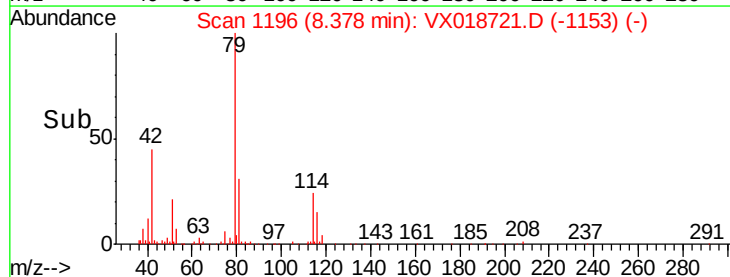
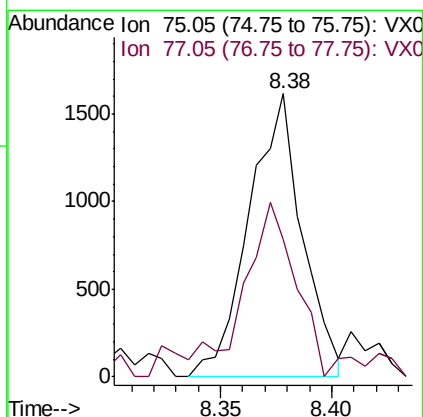
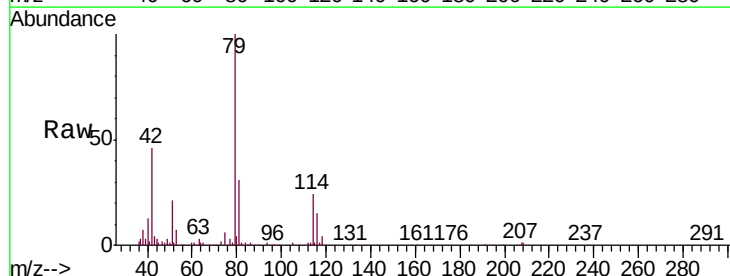
Instrument :
MSVOA_X
ClientSampleId :
BFSB5

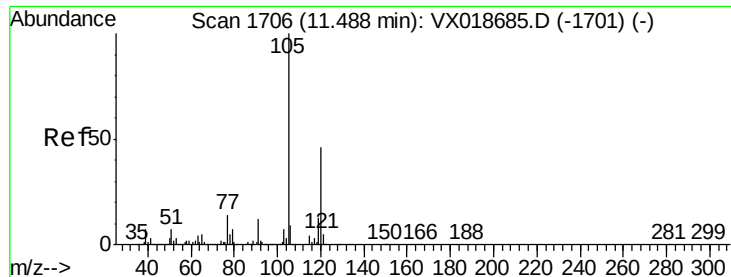
Tgt Ion: 83 Resp: 19910
Ion Ratio Lower Upper
83 100
55 1.6 67.4 101.0#
98 0.3 41.1 61.7#



#39
cis-1,3-Dichloropropene
Concen: 0.154 ug/L
RT: 8.38 min Scan# 1196
Delta R.T. -0.04 min
Lab File: VX018721.D
Acq: 01 Oct 2020 00:52

Tgt Ion: 75 Resp: 2685
Ion Ratio Lower Upper
75 100
77 48.6 23.0 42.8#

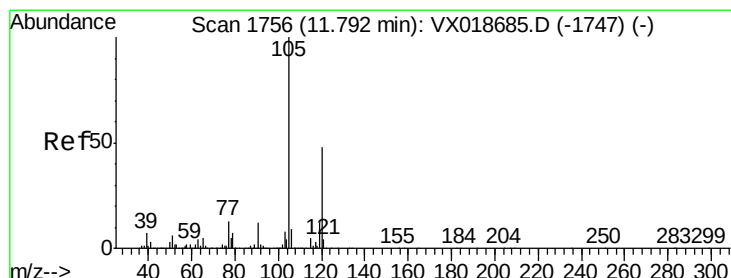
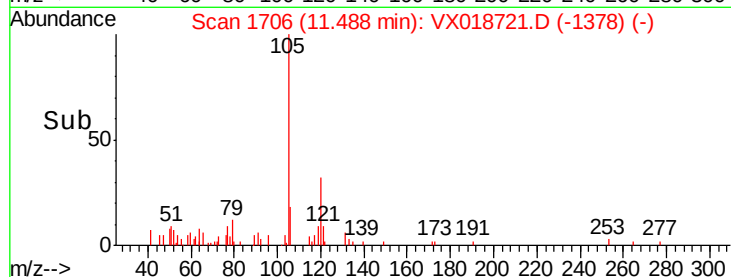
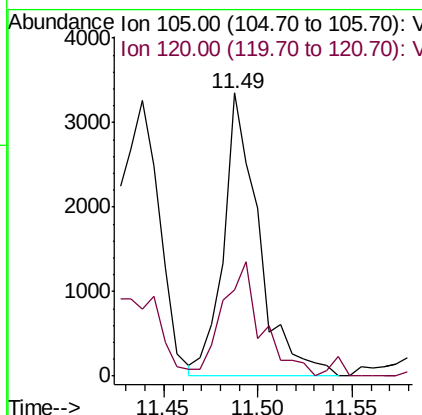
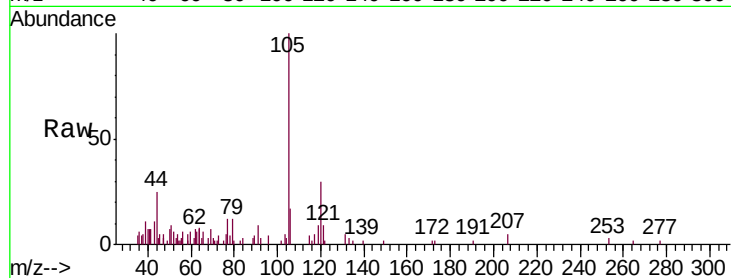




#43
 1,3,5-Trimethylbenzene
 Concen: 0.100 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX018721.D
 Acq: 01 Oct 2020 00:52

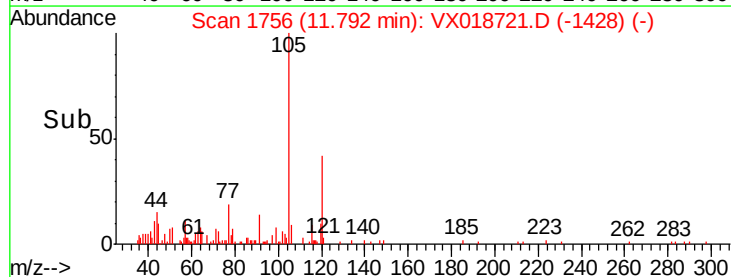
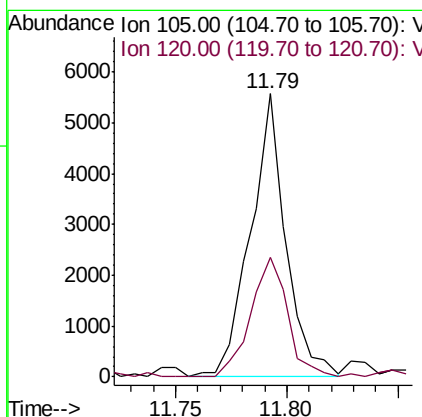
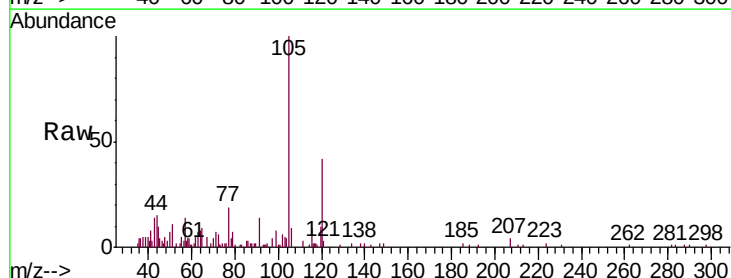
Instrument :
 MSVOA_X
 ClientSampleId :
 BFSB5

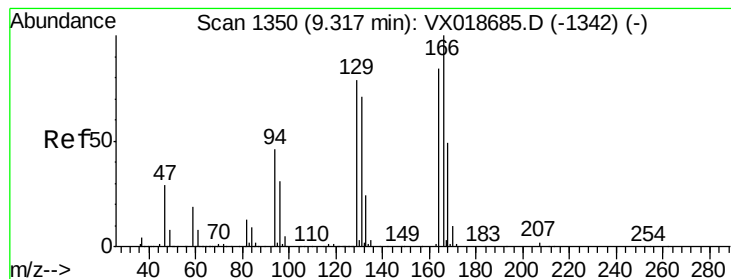
Tgt Ion:105 Resp: 4345
 Ion Ratio Lower Upper
 105 100
 120 44.5 37.2 55.8



#44
 1,2,4-Trimethylbenzene
 Concen: 0.142 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX018721.D
 Acq: 01 Oct 2020 00:52

Tgt Ion:105 Resp: 6184
 Ion Ratio Lower Upper
 105 100
 120 43.7 36.8 55.2





#49

Tetrachloroethene

Concen: 20.579 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018721.D

Acq: 01 Oct 2020 00:52

Instrument :

MSVOA_X

ClientSampleId :

BFSB5

Tgt Ion:164 Resp: 216242

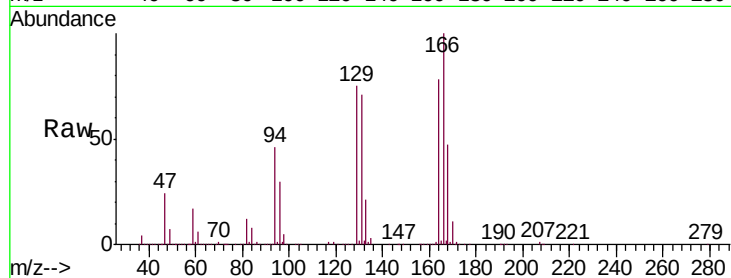
Ion Ratio Lower Upper

164 100

129 95.7 65.9 122.3

131 90.7 61.4 114.0

166 127.6 91.0 169.0

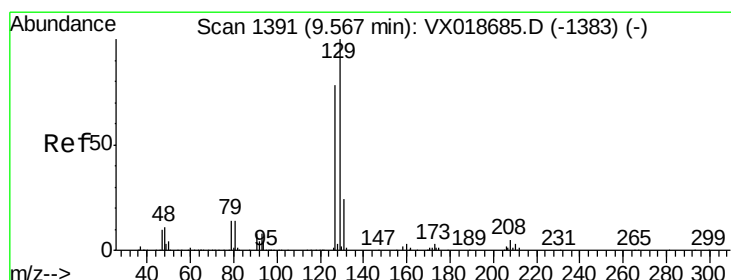
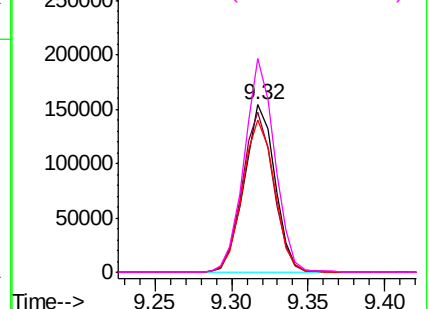
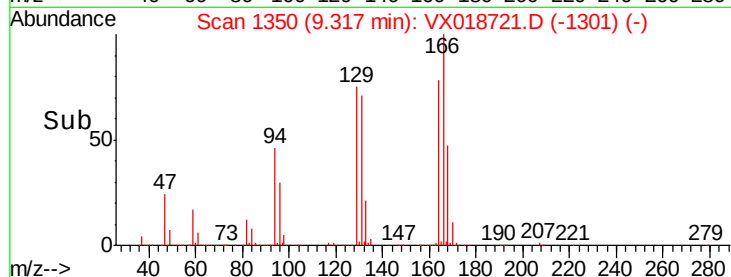


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#51

Dibromochloromethane

Concen: 18.118 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX018721.D

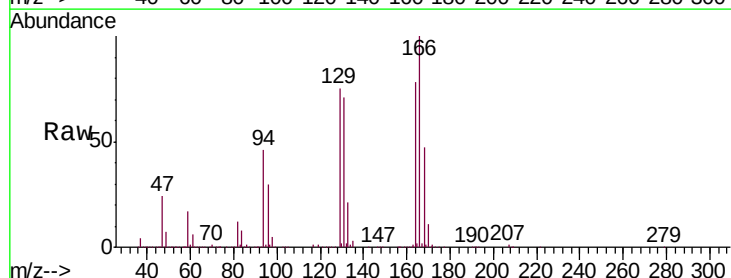
Acq: 01 Oct 2020 00:52

Tgt Ion:129 Resp: 209382

Ion Ratio Lower Upper

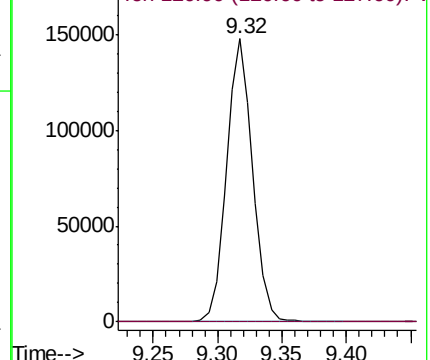
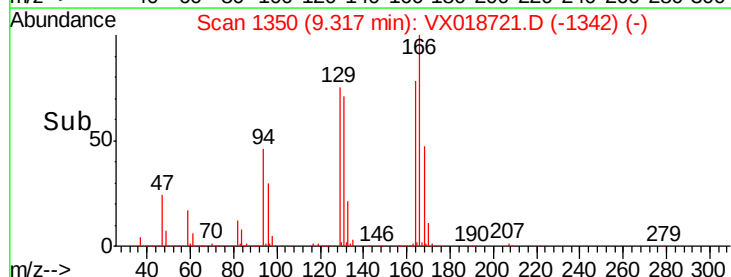
129 100

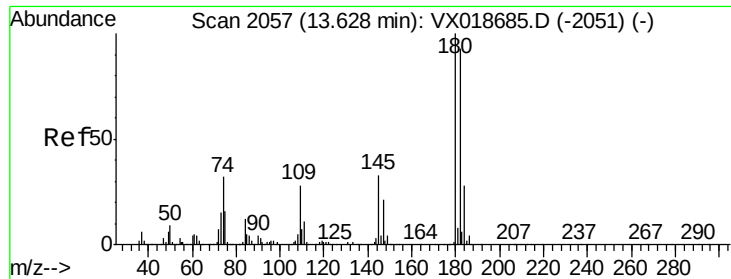
127 0.0 55.0 102.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

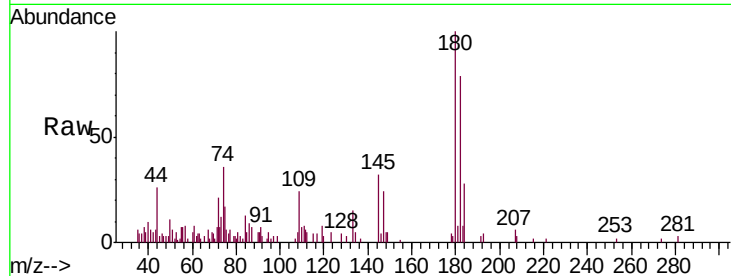




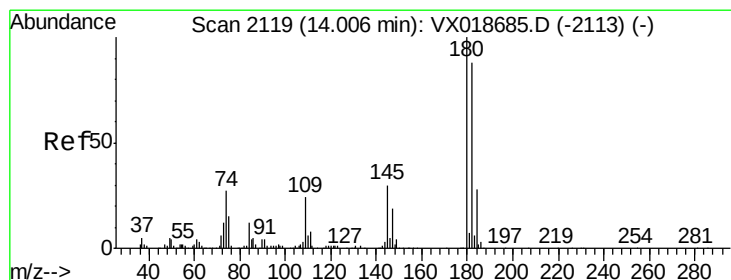
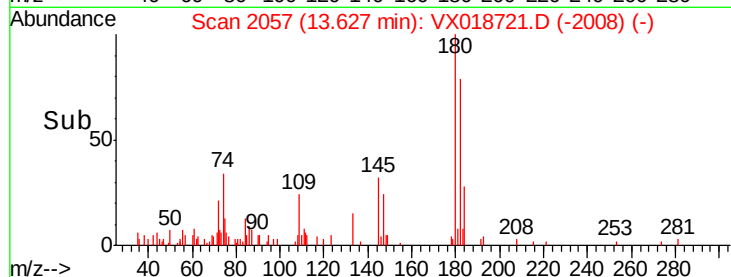
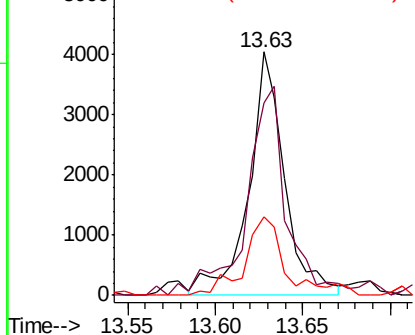
#69
 1,2,4-trichlorobenzene
 Concen: 0.373 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018721.D
 Acq: 01 Oct 2020 00:52

Instrument :
 MSVOA_X
 ClientSampled :
 BFSB5

Tgt Ion:180 Resp: 5770
 Ion Ratio Lower Upper
 180 100
 182 96.9 74.6 112.0
 145 37.1 25.0 37.6

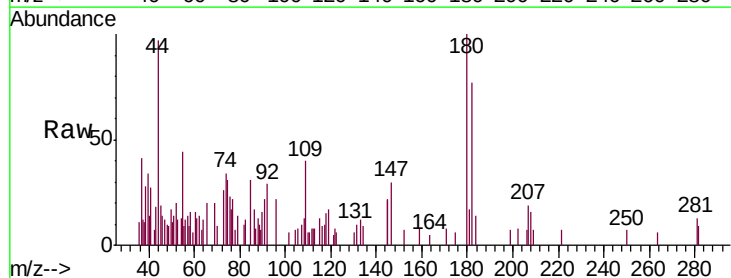


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V



#71
 1,2,3-Trichlorobenzene
 Concen: 0.154 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX018721.D
 Acq: 01 Oct 2020 00:52

Tgt Ion:180 Resp: 2147
 Ion Ratio Lower Upper
 180 100
 182 85.0 77.7 116.5
 145 36.7 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

