

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081420\
 Data File : VX017902.D
 Acq On : 14 Aug 2020 16:07
 Operator : JC/SP
 Sample : L3697-07
 Misc : 25.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0N4

Quant Time: Aug 17 01:31:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 17 01:26:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	278453	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	262398	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	114742	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	95201	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.69	69	80359	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.34	63	142505	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	4.53	46	263397	51.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.10%
24) Chloroform-d	5.15	84	173169	4.43	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	6.03	65	105065	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	6.05	84	360742	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	7.37	67	110660	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	8.70	98	321114	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
45) trans-1,3-Dichloropropene-	8.99	79	45366	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
48) 2-Hexanone-d5	9.43	63	198415	49.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.00%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	80480	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	128698	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

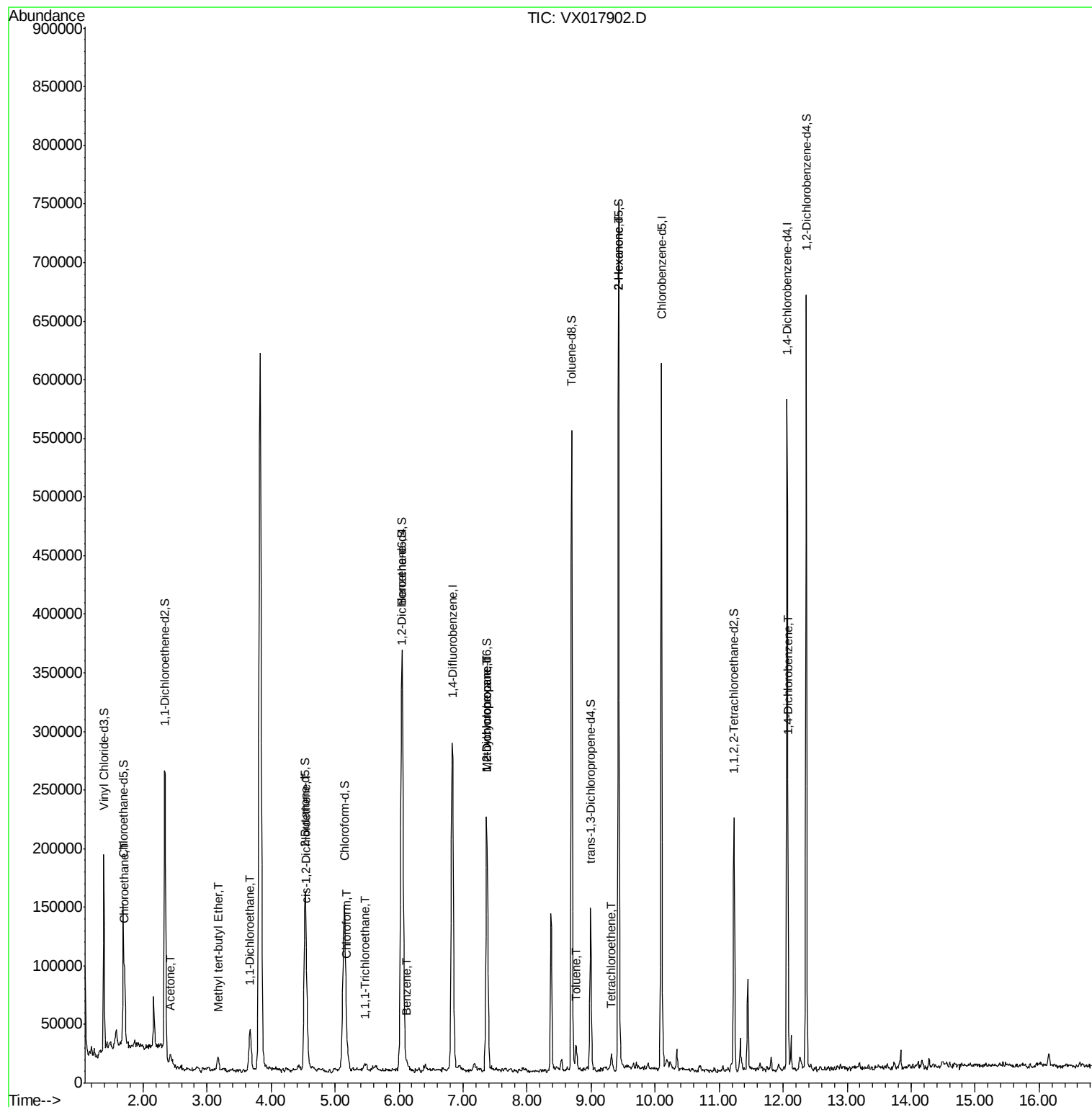
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Chloroethane	1.72	64	29497	2.011	ug/L	97
13) Acetone	2.42	43	5272	1.412	ug/L	98
17) Methyl tert-butyl Ether	3.17	73	12198	0.213	ug/L #	86
19) 1,1-Dichloroethane	3.67	63	42371	0.981	ug/L	98
22) cis-1,2-Dichloroethene	4.56	96	1682	0.066	ug/L #	82
25) Chloroform	5.18	83	26124	0.562	ug/L	88
29) 1,1,1-Trichloroethane	5.47	97	3502	0.081	ug/L #	67
33) Benzene	6.12	78	7428	0.080	ug/L	100
35) Methylcyclohexane	7.37	83	27525	0.722	ug/L #	18
37) 1,2-Dichloropropane	7.37	63	13851	0.593	ug/L #	90
42) Toluene	8.76	91	13930	0.138	ug/L	85
49) Tetrachloroethene	9.32	164	2394	0.110	ug/L	83
50) 2-Hexanone	9.43	43	26061	2.391	ug/L #	65
64) 1,4-Dichlorobenzene	12.08	146	6275	0.141	ug/L	86

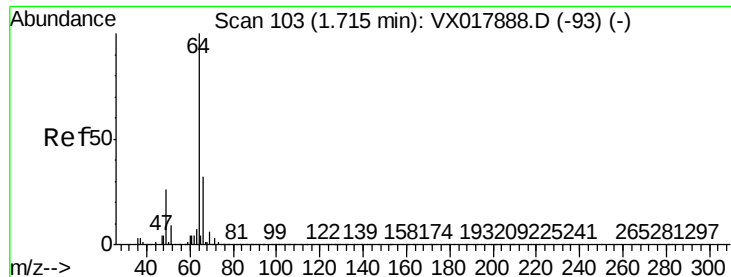
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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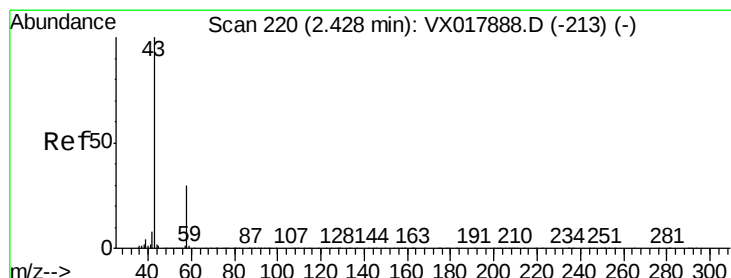
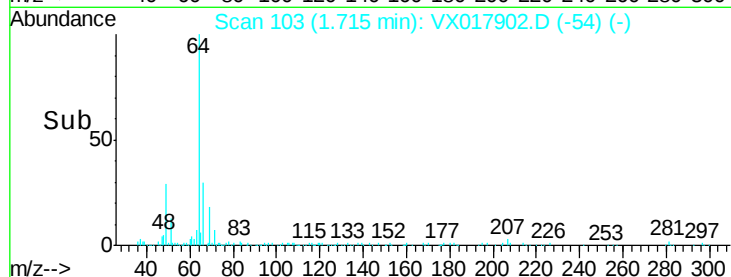
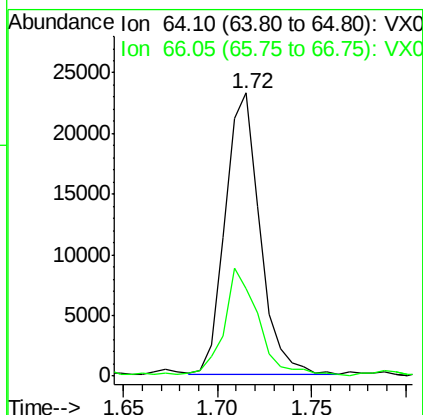
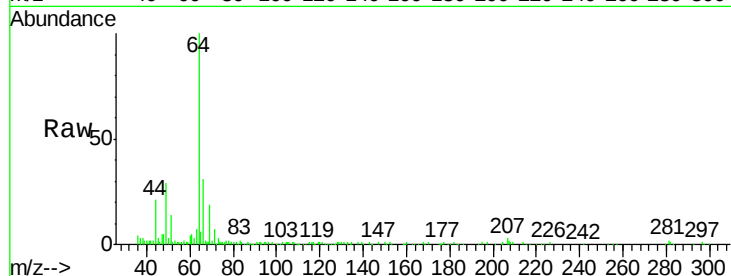




#8
Chloroethane
Concen: 2.011 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX017902.D
Acq: 14 Aug 2020 16:07

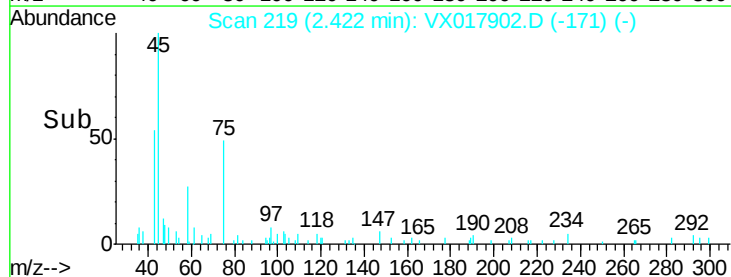
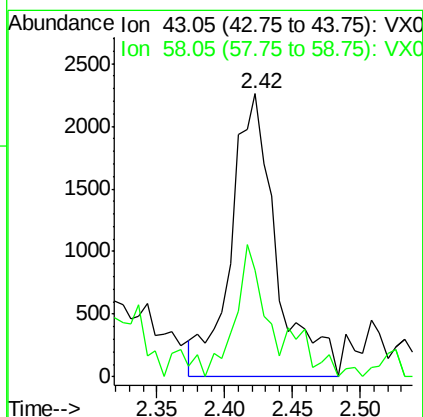
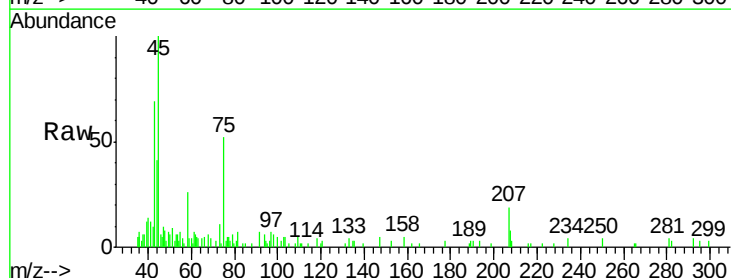
Instrument :
MSVOA_X
ClientSampled :
BG0N4

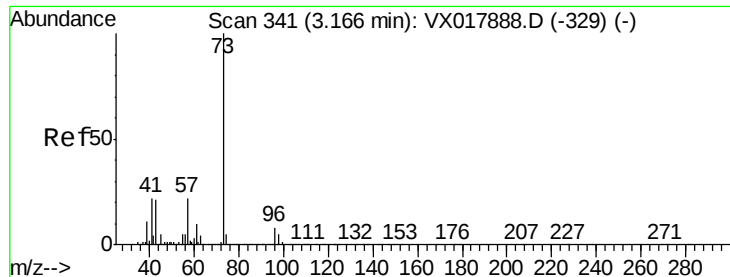
Tgt Ion: 64 Resp: 29497
Ion Ratio Lower Upper
64 100
66 30.9 22.6 42.0



#13
Acetone
Concen: 1.412 ug/L
RT: 2.42 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX017902.D
Acq: 14 Aug 2020 16:07

Tgt Ion: 43 Resp: 5272
Ion Ratio Lower Upper
43 100
58 29.1 0.0 60.8





#17

Methyl tert-butyl Ether

Concen: 0.213 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX017902.D

Acq: 14 Aug 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

BG0N4

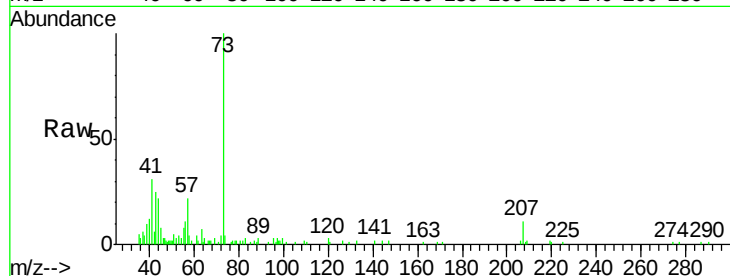
Tgt Ion: 73 Resp: 12198

Ion Ratio Lower Upper

73 100

43 31.0 17.7 26.5#

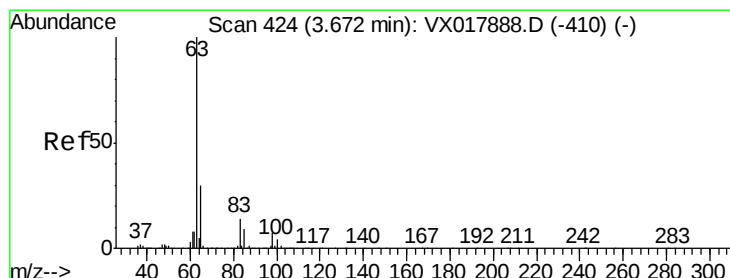
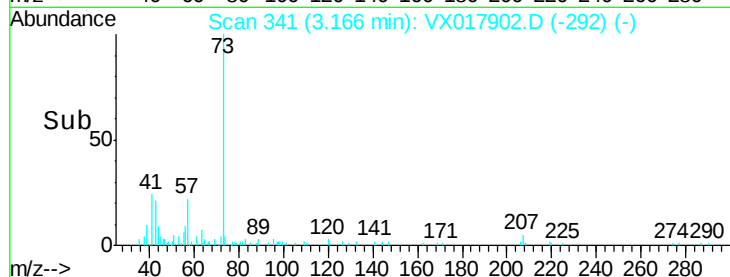
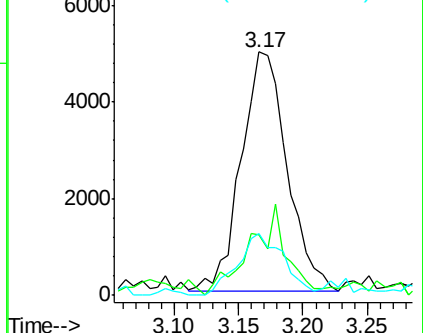
57 25.9 17.0 25.6#



Abundance Ion 73.10 (72.80 to 73.80): VX0

Ion 43.05 (42.75 to 43.75): VX0

Ion 57.10 (56.80 to 57.80): VX0



#19

1,1-Dichloroethane

Concen: 0.981 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017902.D

Acq: 14 Aug 2020 16:07

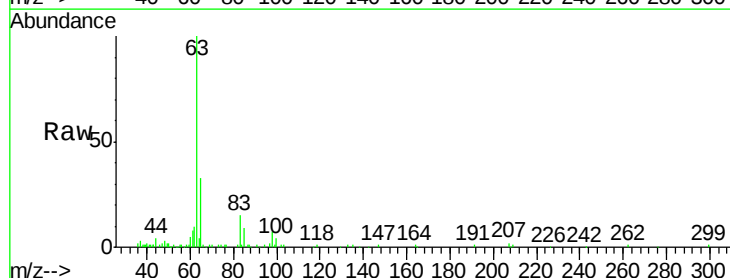
Tgt Ion: 63 Resp: 42371

Ion Ratio Lower Upper

63 100

65 32.8 22.6 42.0

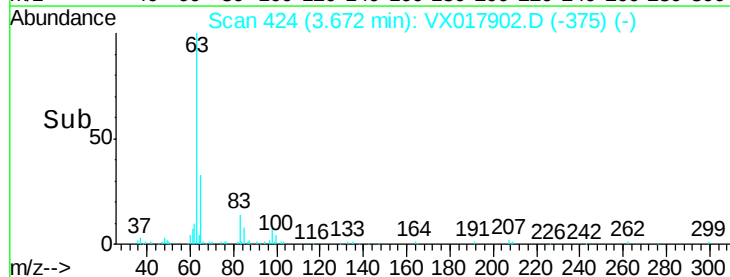
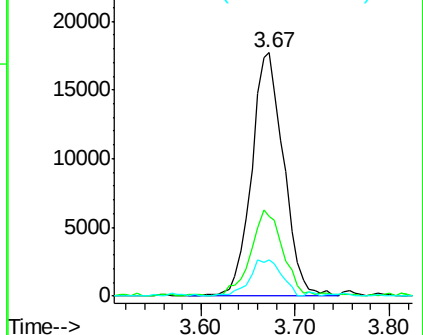
83 15.1 9.5 17.7

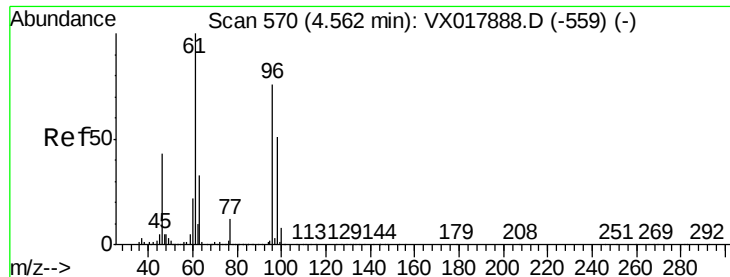


Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 65.10 (64.80 to 65.80): VX0

Ion 83.05 (82.75 to 83.75): VX0





#22

cis-1,2-Dichloroethene

Concen: 0.066 ug/L

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX017902.D

Acq: 14 Aug 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

BG0N4

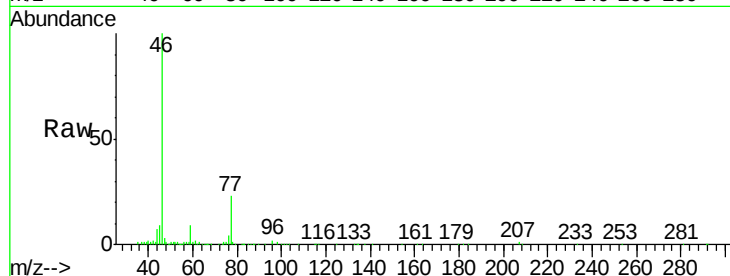
Tgt Ion: 96 Resp: 1682

Ion Ratio Lower Upper

96 100

61 106.1 88.8 165.0

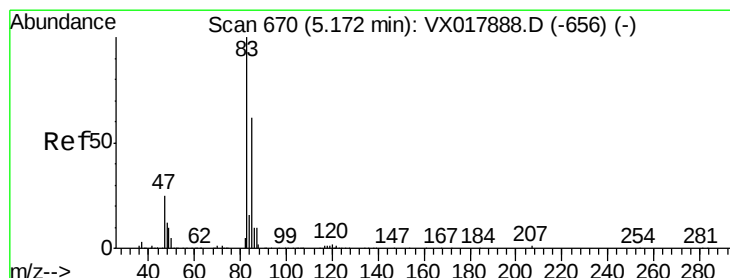
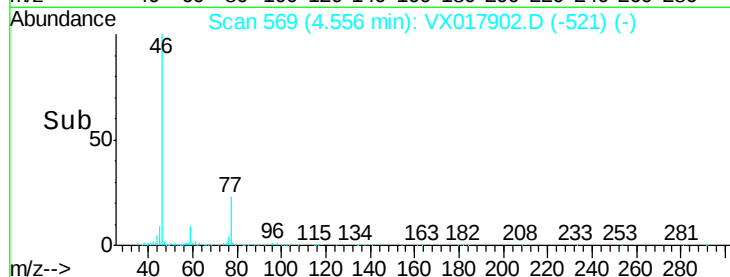
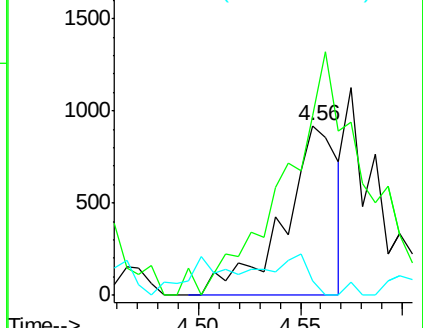
68 8.5 0.2 0.4#



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0



#25

Chloroform

Concen: 0.562 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX017902.D

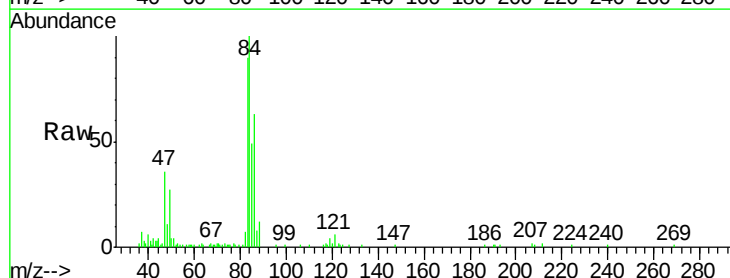
Acq: 14 Aug 2020 16:07

Tgt Ion: 83 Resp: 26124

Ion Ratio Lower Upper

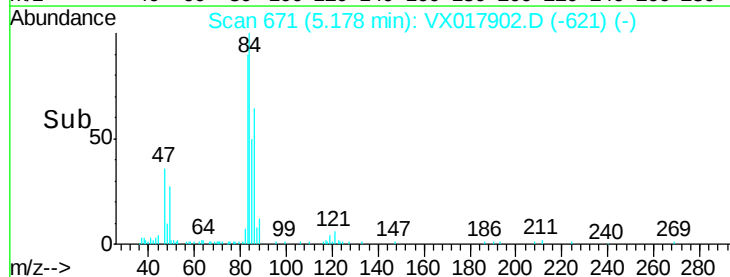
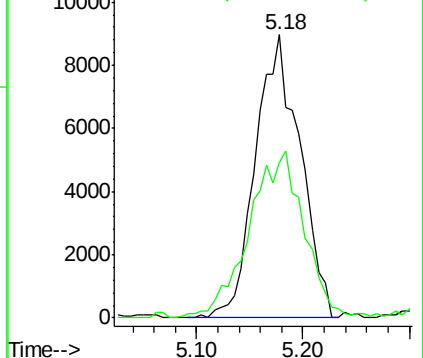
83 100

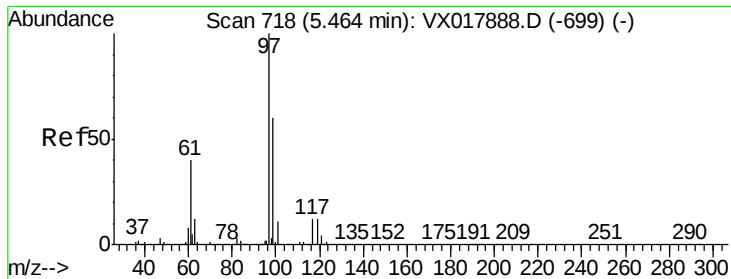
85 54.7 44.7 83.1



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0

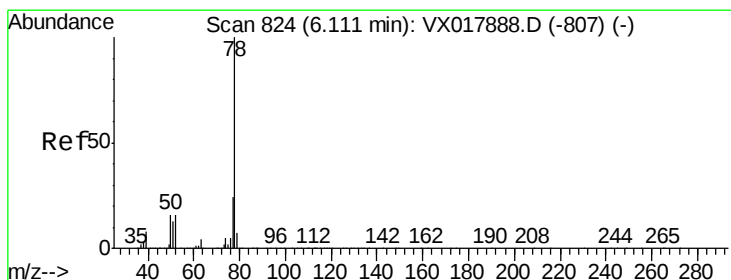
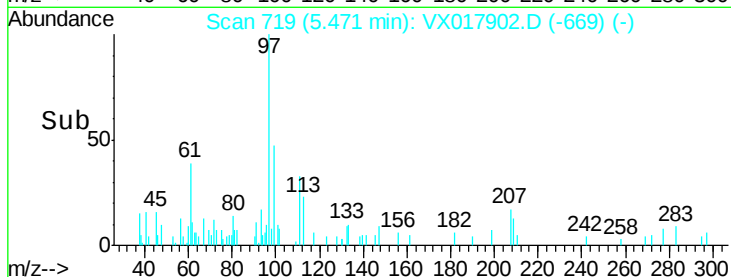
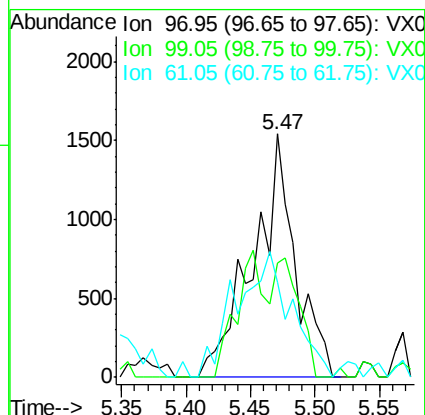
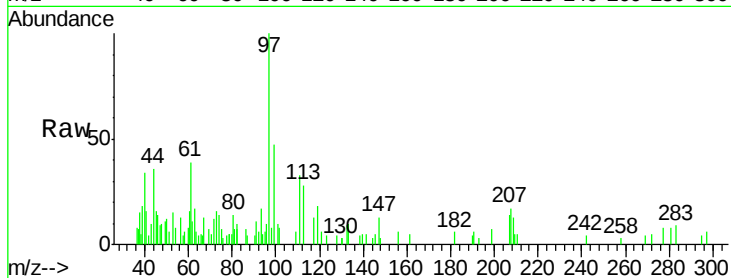




#29
1,1,1-Trichloroethane
Concen: 0.081 ug/L
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX017902.D
Acq: 14 Aug 2020 16:07

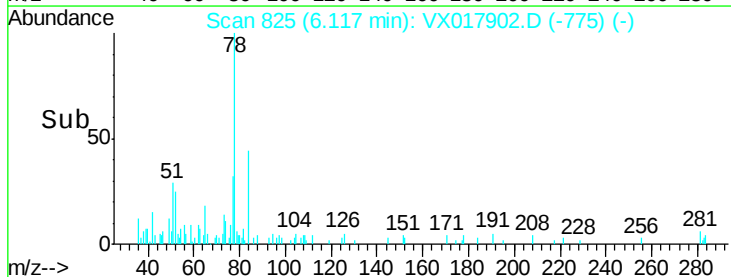
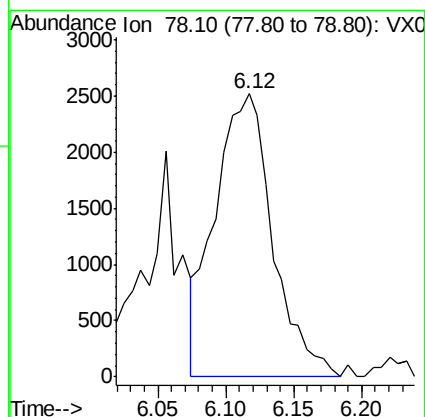
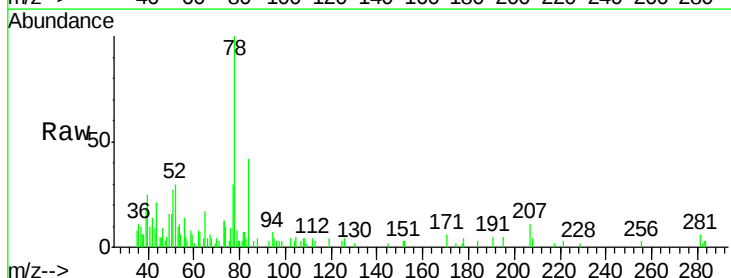
Instrument :
MSVOA_X
ClientSampleId :
BG0N4

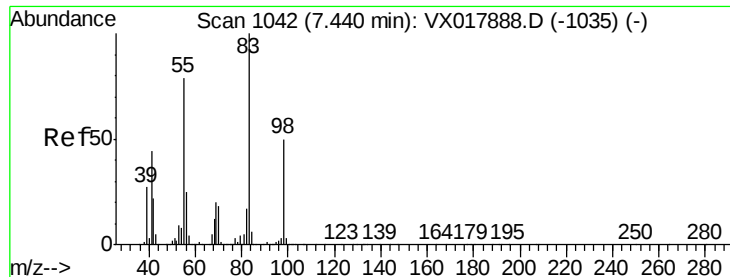
Tgt Ion: 97 Resp: 3502
Ion Ratio Lower Upper
97 100
99 29.2 52.2 78.2#
61 50.1 33.8 50.6



#33
Benzene
Concen: 0.080 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017902.D
Acq: 14 Aug 2020 16:07

Tgt Ion: 78 Resp: 7428





#35

Methylcyclohexane

Concen: 0.722 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.07 min

Lab File: VX017902.D

Acq: 14 Aug 2020 16:07

Instrument :

MSVOA_X

ClientSampleId :

BG0N4

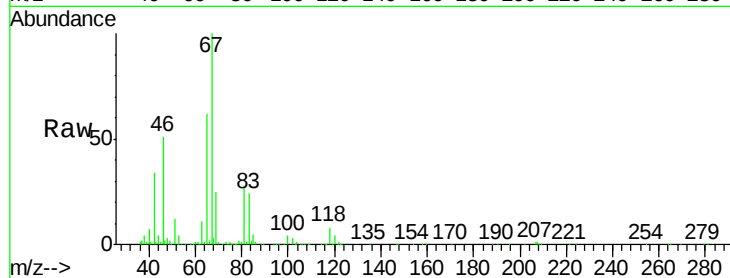
Tgt Ion: 83 Resp: 27525

Ion Ratio Lower Upper

83 100

55 0.3 62.4 93.6#

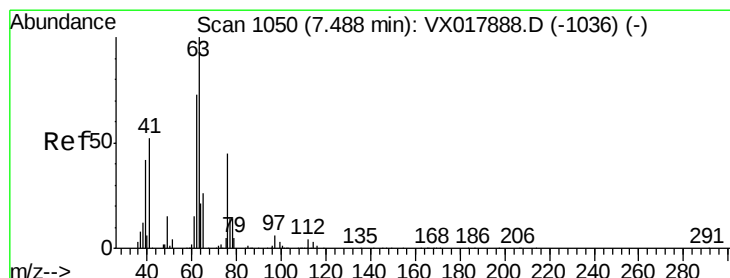
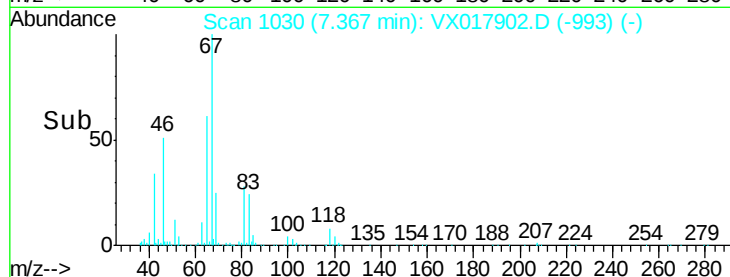
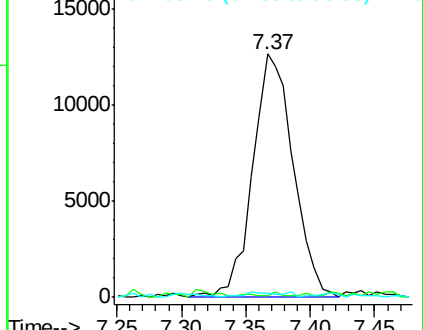
98 0.0 38.0 57.0#



Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0



#37

1,2-Dichloropropane

Concen: 0.593 ug/L

RT: 7.37 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VX017902.D

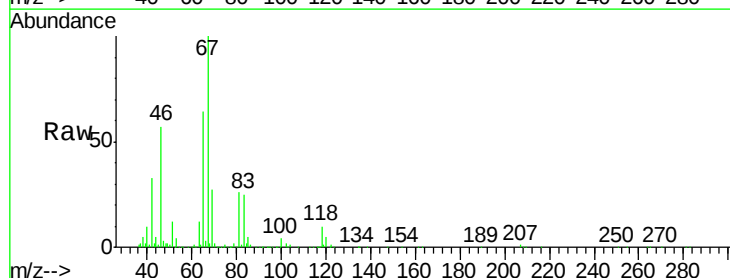
Acq: 14 Aug 2020 16:07

Tgt Ion: 63 Resp: 13851

Ion Ratio Lower Upper

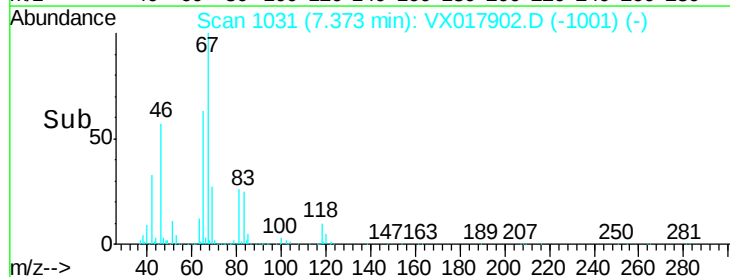
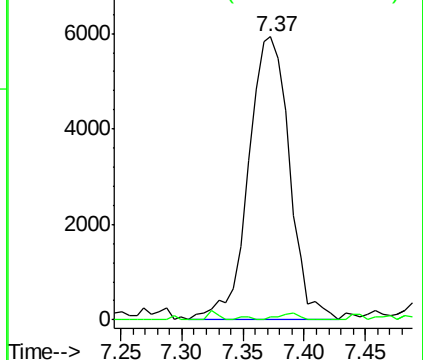
63 100

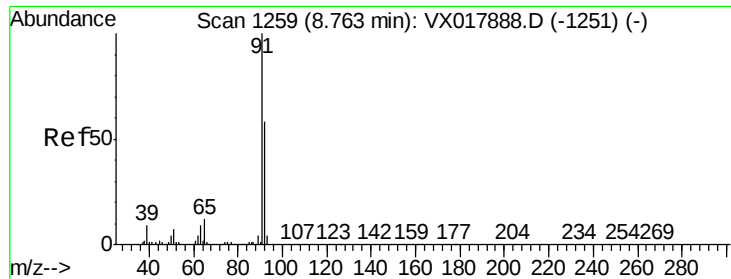
112 1.2 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.138 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017902.D

Acq: 14 Aug 2020 16:07

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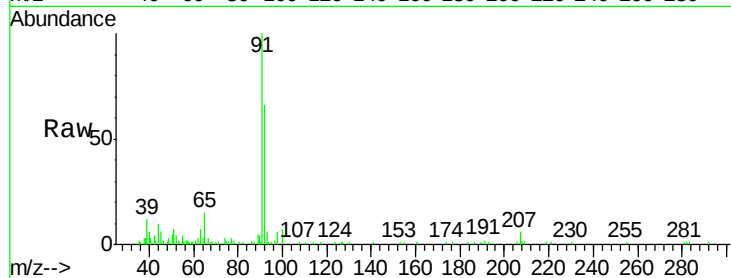
BG0N4

Tgt Ion: 91 Resp: 13930

Ion Ratio Lower Upper

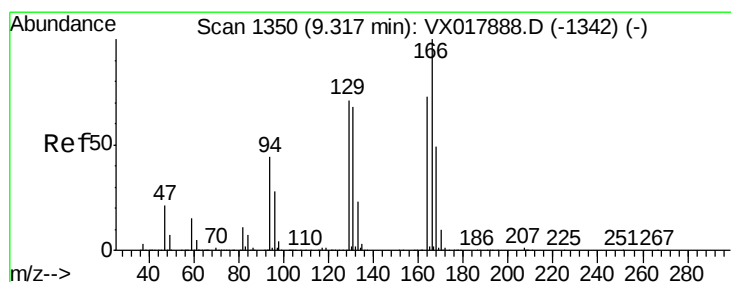
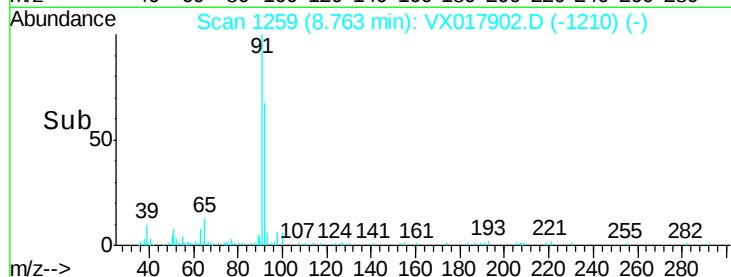
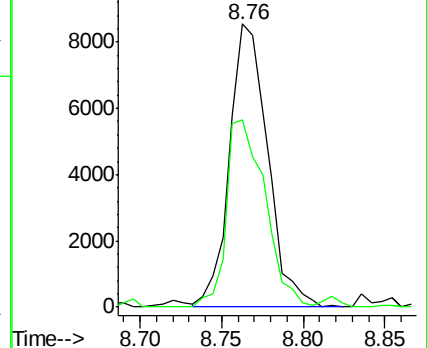
91 100

92 66.3 38.8 72.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



#49

Tetrachloroethene

Concen: 0.110 ug/L

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX017902.D

Acq: 14 Aug 2020 16:07

Tgt Ion: 164 Resp: 2394

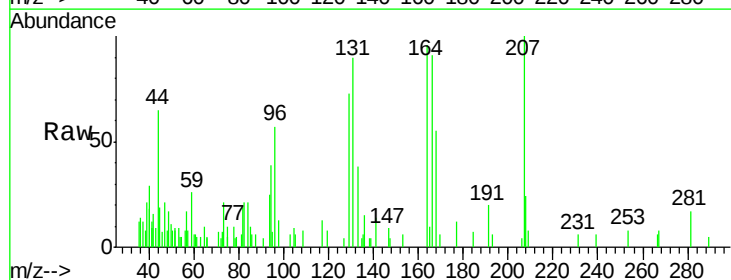
Ion Ratio Lower Upper

164 100

129 75.5 67.4 125.2

131 93.7 65.3 121.3

166 94.4 87.2 161.9

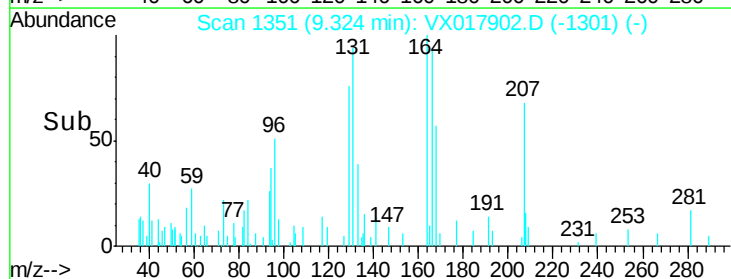
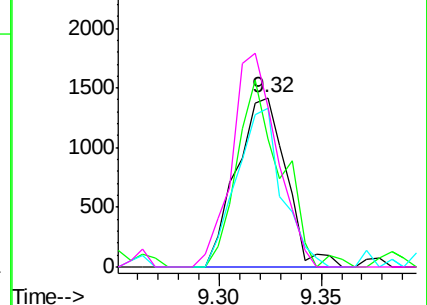


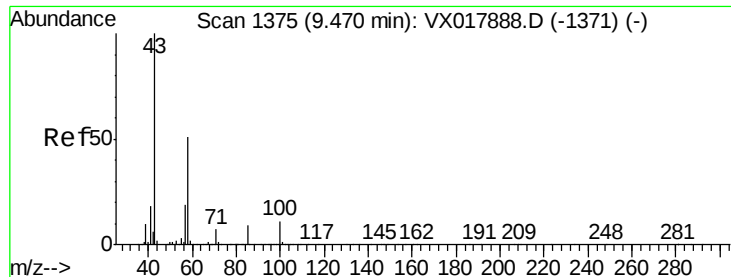
Abundance Ion 163.90 (163.60 to 164.60): V

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

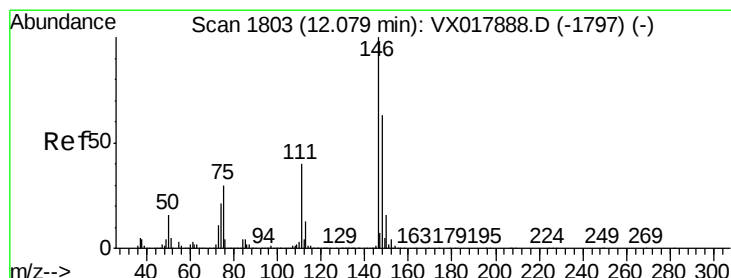
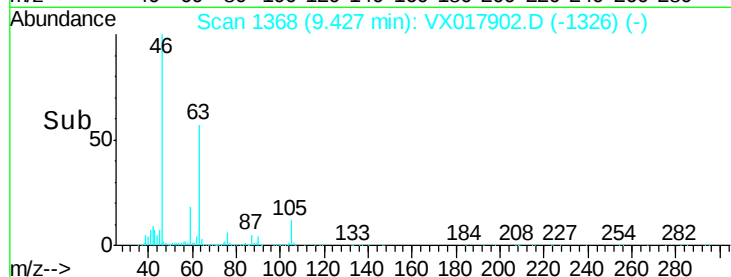
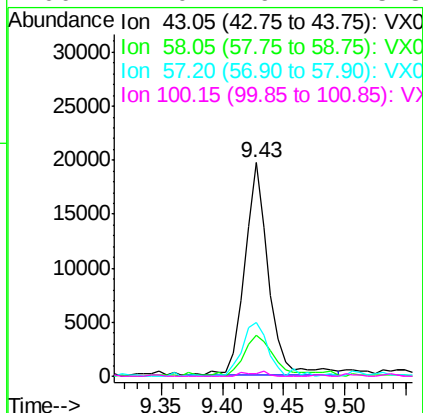
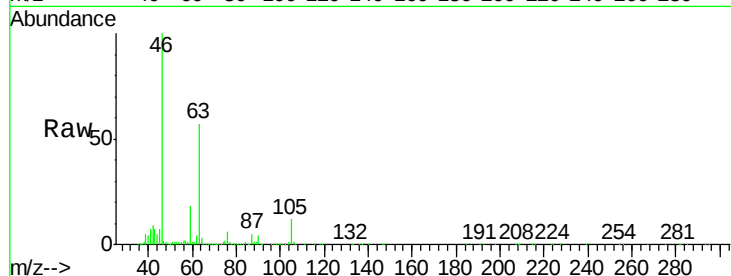




#50
2-Hexanone
Concen: 2.391 ug/L
RT: 9.43 min Scan# 1368
Delta R.T. -0.04 min
Lab File: VX017902.D
Acq: 14 Aug 2020 16:07

Instrument :
MSVOA_X
ClientSampleId :
BG0N4

Tgt Ion:	43	Resp:	26061
Ion	Ratio	Lower	Upper
43	100		
58	23.5	43.0	64.6#
57	27.3	15.0	22.4#
100	2.0	9.2	13.8#



#64
1,4-Dichlorobenzene
Concen: 0.141 ug/L
RT: 12.08 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VX017902.D
Acq: 14 Aug 2020 16:07

Tgt Ion:	146	Resp:	6275
Ion	Ratio	Lower	Upper
146	100		
111	43.3	26.0	48.2
148	73.7	43.2	80.2

