

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081420\
 Data File : VX017899.D
 Acq On : 14 Aug 2020 14:53
 Operator : JC/SP
 Sample : L3697-04
 Misc : 25.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0N1

Quant Time: Aug 17 01:30:51 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	305958	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	283078	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.07	152	148383	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	99588	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.69	69	79865	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.34	63	147794	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.53	46	278806	49.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.32%
24) Chloroform-d	5.15	84	200784	4.68	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	6.04	65	110293	4.68	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	6.06	84	375207	4.83	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	7.37	67	122512	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	8.70	98	341952	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
45) trans-1,3-Dichloropropene-	8.99	79	46275	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
48) 2-Hexanone-d5	9.43	63	219355	50.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.46%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	87459	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	144509	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	3731	0.128 ug/L #	75
5) Vinyl chloride	1.39	62	61314	2.128 ug/L	100
8) Chloroethane	1.71	64	172407	10.696 ug/L	95
12) 1,1-Dichloroethene	2.34	96	2822	0.120 ug/L #	1
13) Acetone	2.42	43	74467	18.153 ug/L	98
15) Methyl Acetate	2.87	43	32939	2.724 ug/L #	52
17) Methyl tert-butyl Ether	3.17	73	22177	0.353 ug/L #	1
18) trans-1,2-Dichloroethene	3.14	96	4034	0.152 ug/L	90
19) 1,1-Dichloroethane	3.67	63	38870	0.819 ug/L	95
21) 2-Butanone	4.64	43	23210	3.276 ug/L	93
22) cis-1,2-Dichloroethene	4.57	96	345910	12.388 ug/L #	96
25) Chloroform	5.18	83	11727	0.229 ug/L	94
27) 1,2-Dichloroethane	6.12	62	222734	6.792 ug/L #	77
30) Cyclohexane	5.54	56	29584	0.734 ug/L	99
33) Benzene	6.12	78	22682924	226.341 ug/L	100
35) Methylcyclohexane	7.44	83	25855	0.629 ug/L	99
37) 1,2-Dichloropropane	7.37	63	14910	0.592 ug/L #	91

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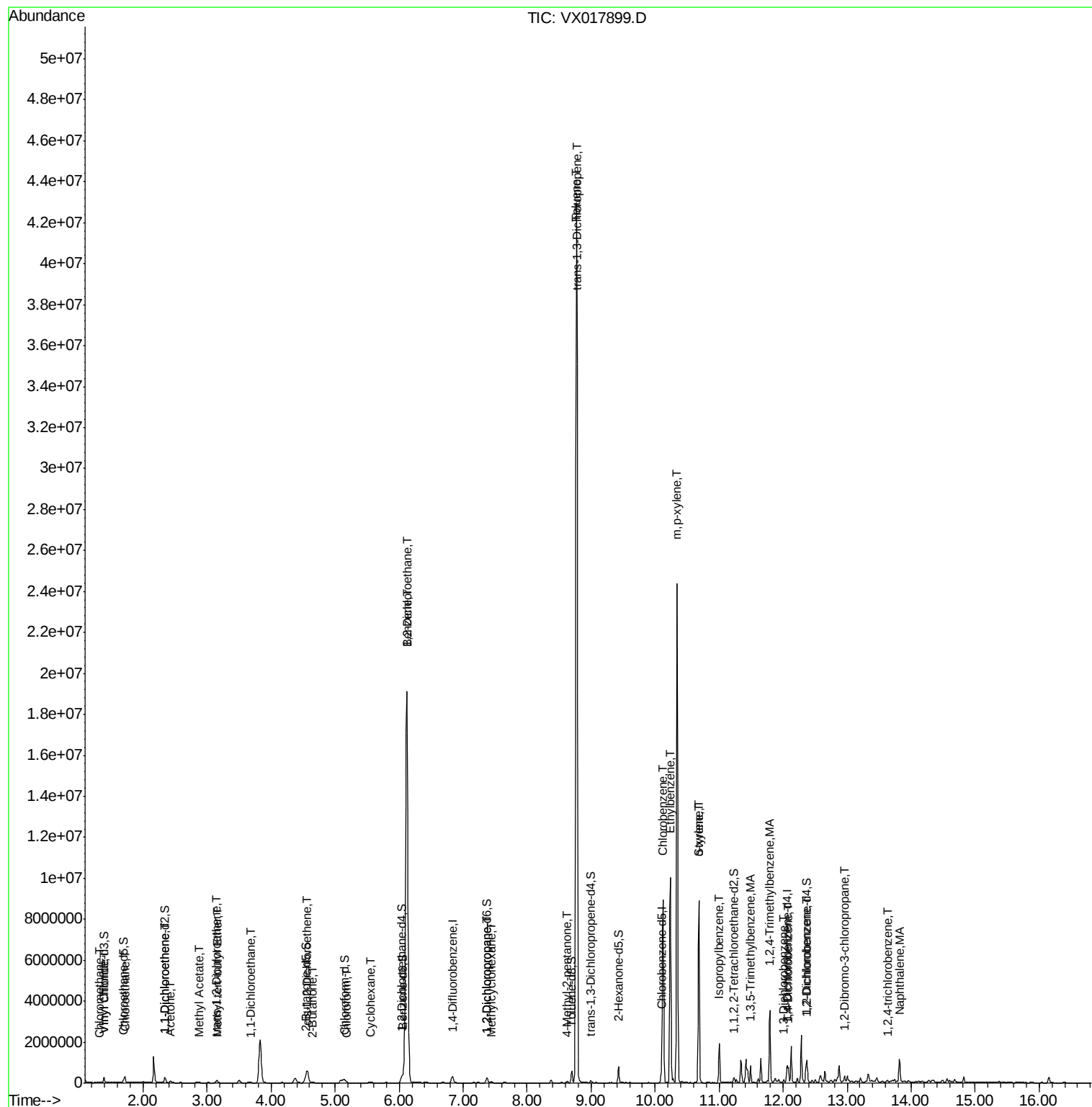
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 4-Methyl-2-pentanone	8.62	43	44300	2.700	ug/L	99
42) Toluene	8.76	91	20205016	185.726	ug/L #	63
43) 1,3,5-Trimethylbenzene	11.49	105	343504	3.459	ug/L	96
44) 1,2,4-Trimethylbenzene	11.79	105	1497599	14.810	ug/L	99
46) trans-1,3-Dichloropropene	8.77	75	256638	7.415	ug/L #	1
53) Chlorobenzene	10.12	112	3827453	54.052	ug/L	99
54) Ethylbenzene	10.24	91	5687681	47.907	ug/L	99
55) m,p-xylene	10.35	106	5846859	128.979	ug/L	89
56) o-xylene	10.68	106	1849862	42.088	ug/L	98
57) Styrene	10.68	104	96854	1.303	ug/L #	1
58) Isopropylbenzene	11.01	105	1010564	8.590	ug/L	100
63) 1,3-Dichlorobenzene	12.01	146	34718	0.601	ug/L	94
64) 1,4-Dichlorobenzene	12.08	146	209024	3.636	ug/L	99
66) 1,2-Dichlorobenzene	12.38	146	234256	4.364	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.96	75	1775	0.381	ug/L #	4
69) 1,2,4-trichlorobenzene	13.63	180	2998	0.079	ug/L #	69
70) Naphthalene	13.82	128	667477	9.617	ug/L	98

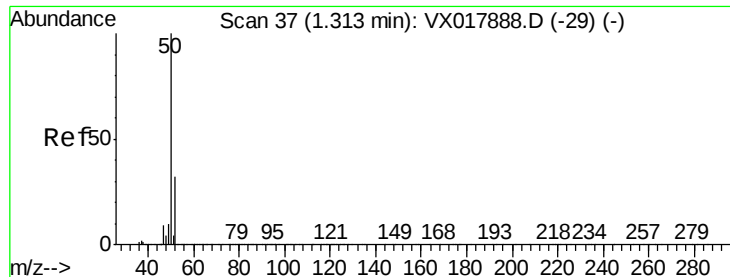
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.128 ug/L

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017899.D

Acq: 14 Aug 2020 14:53

Instrument :

MSVOA_X

ClientSampled :

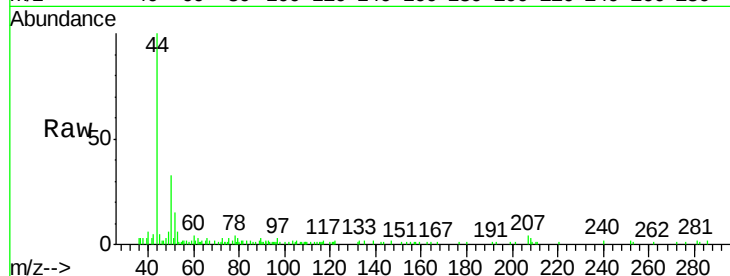
BG0N1

Tgt Ion: 50 Resp: 3731

Ion Ratio Lower Upper

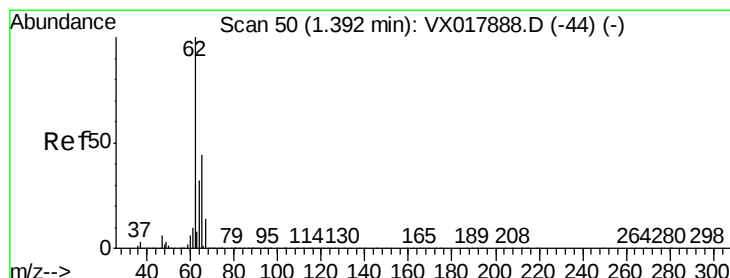
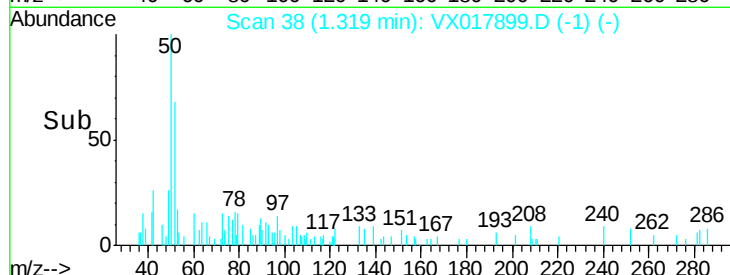
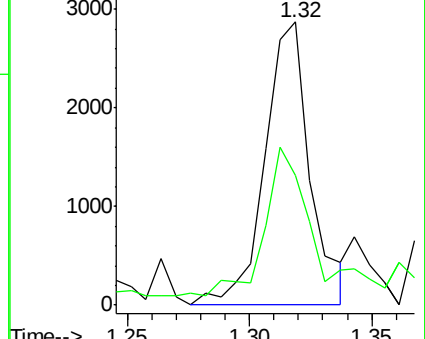
50 100

52 46.1 22.5 41.9#



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0



#5

Vinyl chloride

Concen: 2.128 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017899.D

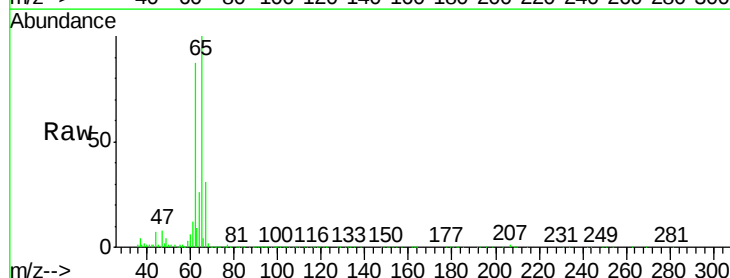
Acq: 14 Aug 2020 14:53

Tgt Ion: 62 Resp: 61314

Ion Ratio Lower Upper

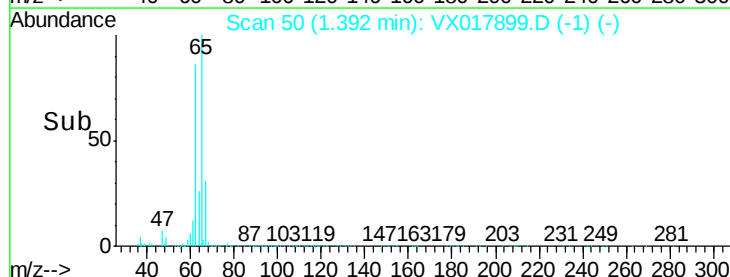
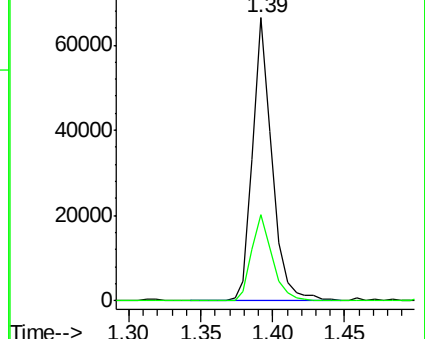
62 100

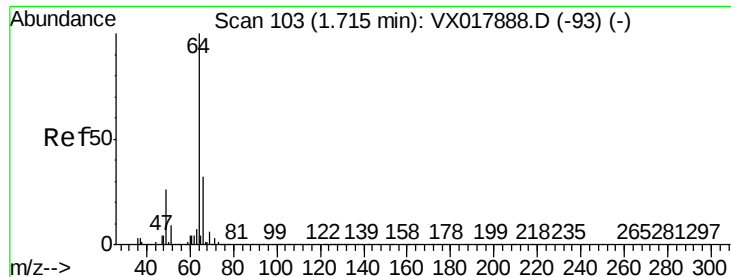
64 30.4 21.3 39.6



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0

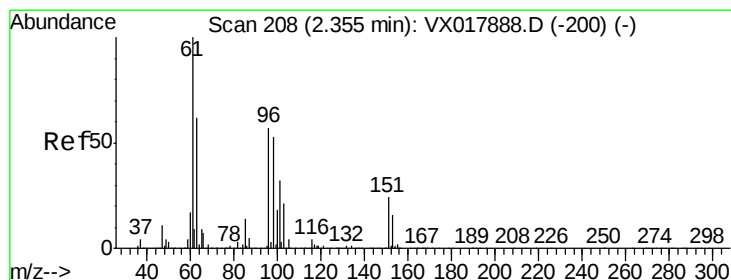
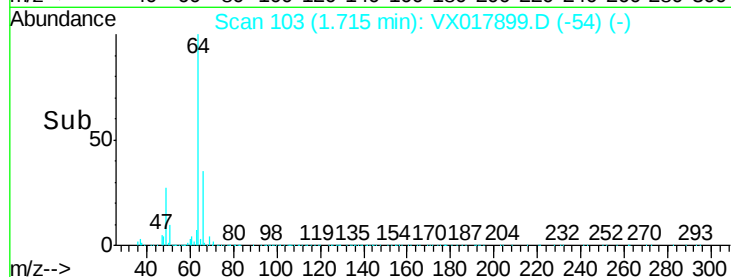
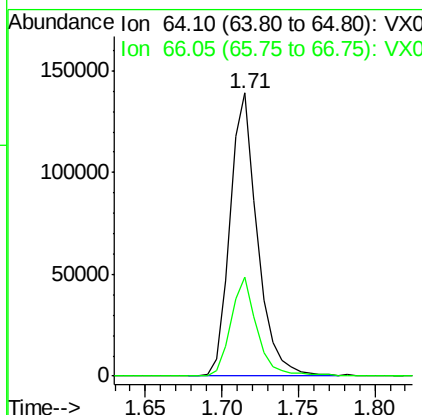
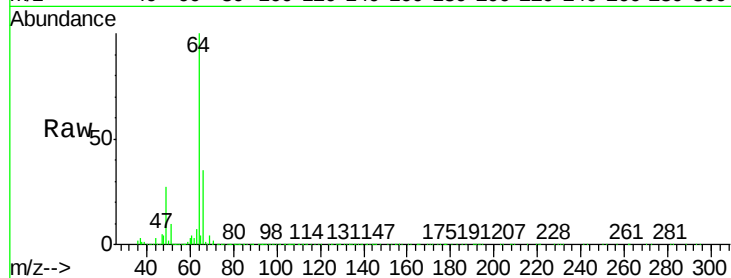




#8
Chloroethane
Concen: 10.696 ug/L
RT: 1.71 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX017899.D
Acq: 14 Aug 2020 14:53

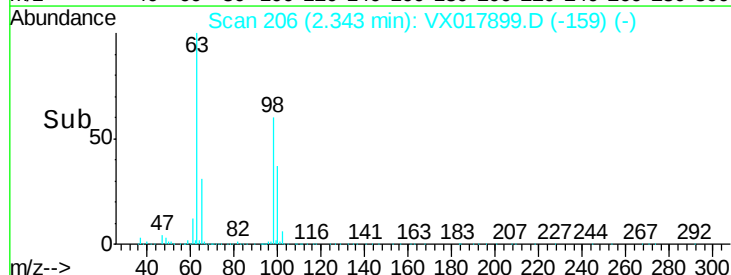
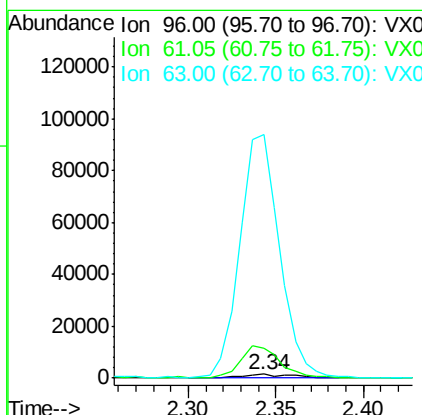
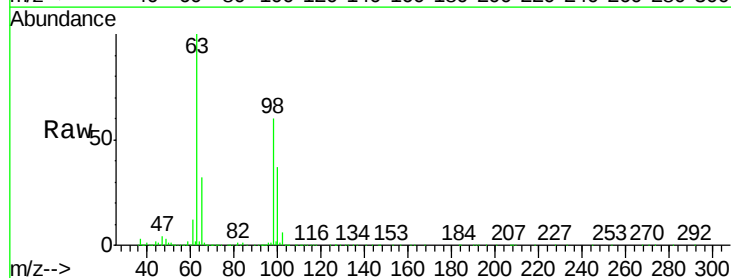
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BG0N1

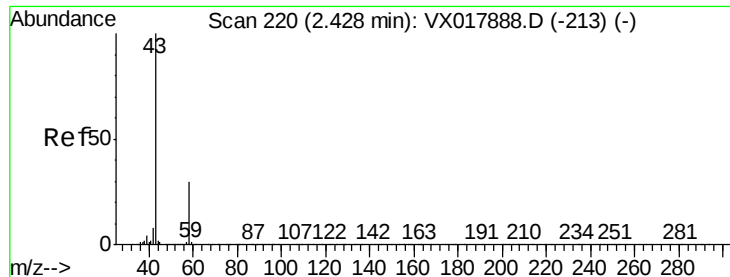
Tgt Ion: 64 Resp: 172407
Ion Ratio Lower Upper
64 100
66 35.2 22.6 42.0



#12
1,1-Dichloroethene
Concen: 0.120 ug/L
RT: 2.34 min Scan# 206
Delta R.T. -0.01 min
Lab File: VX017899.D
Acq: 14 Aug 2020 14:53

Tgt Ion: 96 Resp: 2822
Ion Ratio Lower Upper
96 100
61 816.8 123.5 229.3#
63 6689.5 67.0 124.4#





#13

Acetone

Concen: 18.153 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX017899.D

Acq: 14 Aug 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

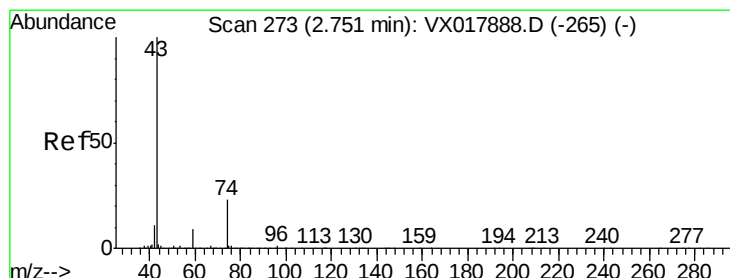
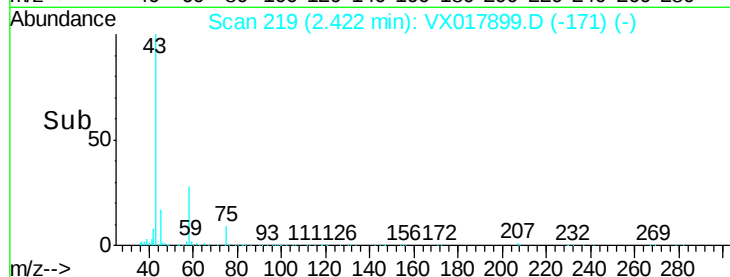
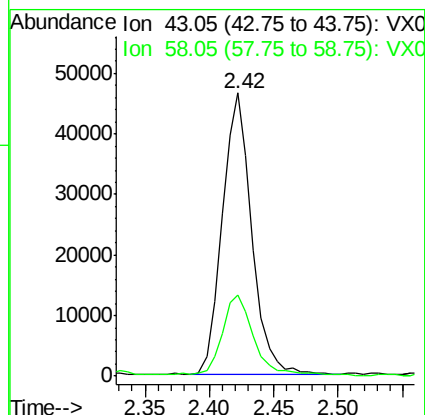
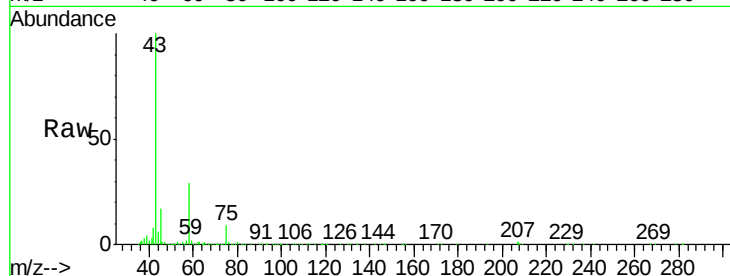
BG0N1

Tgt Ion: 43 Resp: 74467

Ion Ratio Lower Upper

43 100

58 31.4 0.0 60.8



#15

Methyl Acetate

Concen: 2.724 ug/L

RT: 2.87 min Scan# 293

Delta R.T. 0.12 min

Lab File: VX017899.D

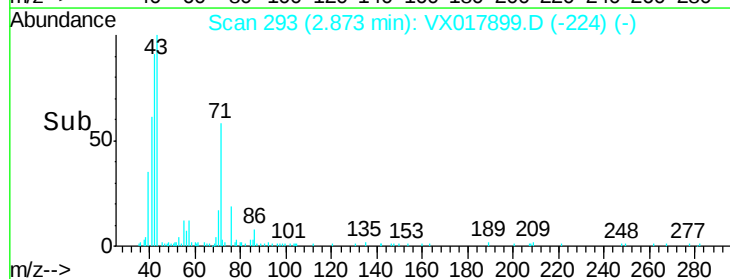
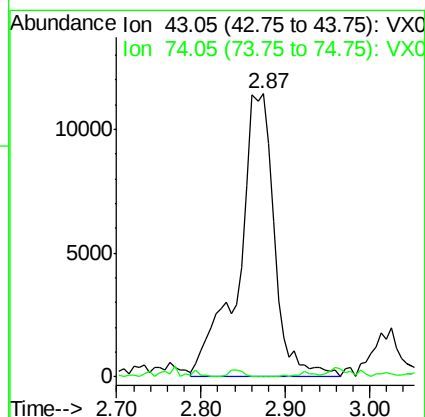
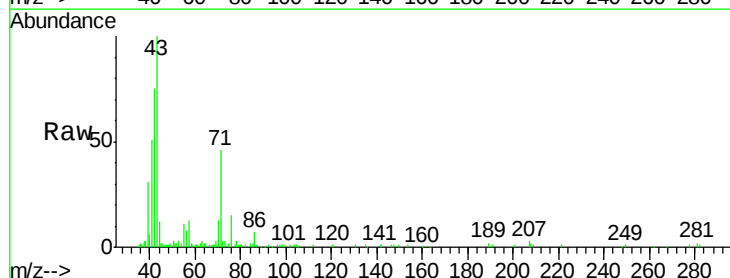
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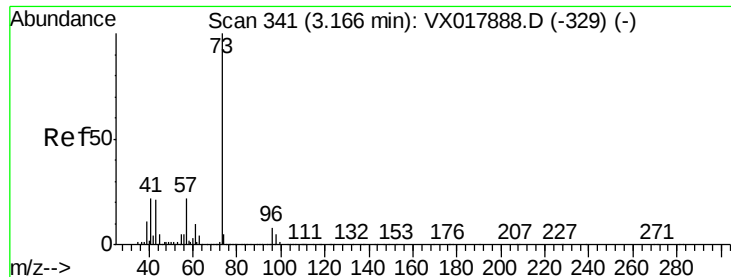
Tgt Ion: 43 Resp: 32939

Ion Ratio Lower Upper

43 100

74 1.0 20.4 30.6#



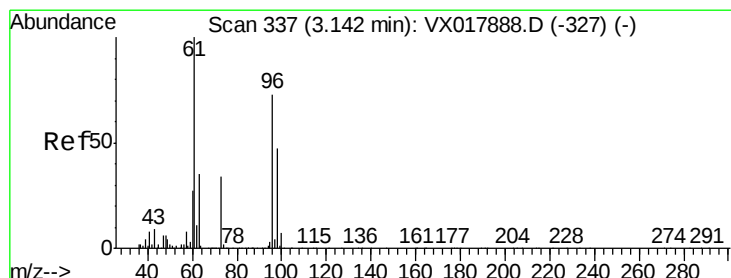
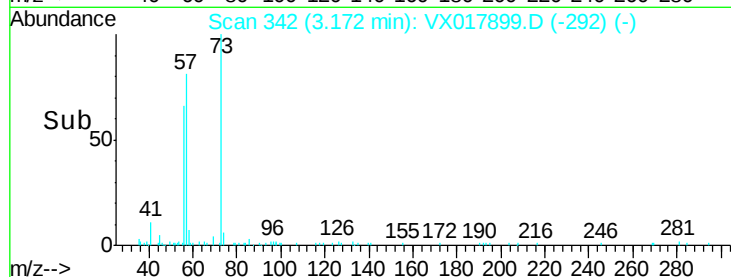
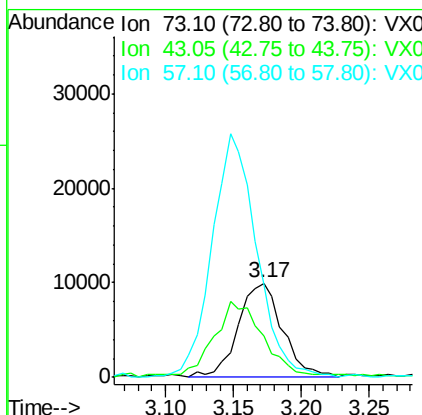
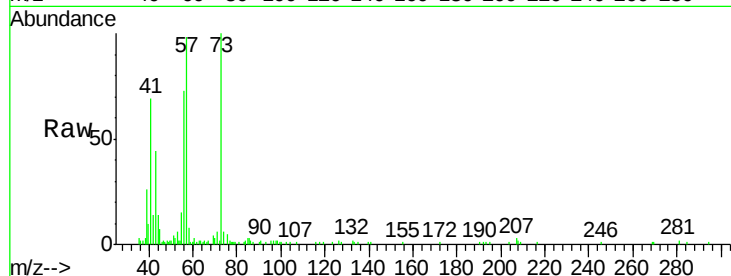


#17

Methyl tert-butyl Ether
 Concen: 0.353 ug/L
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX017899.D
 Acq: 14 Aug 2020 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0N1

Tgt Ion: 73 Resp: 22177
 Ion Ratio Lower Upper
 73 100
 43 89.0 17.7 26.5#
 57 266.5 17.0 25.6#



#18

trans-1,2-Dichloroethene
 Concen: 0.152 ug/L
 RT: 3.14 min Scan# 337
 Delta R.T. -0.00 min
 Lab File: VX017899.D
 Acq: 14 Aug 2020 14:53

Tgt Ion: 96 Resp: 4034
 Ion Ratio Lower Upper
 96 100
 61 123.9 98.4 182.8
 98 63.3 44.9 83.5

