

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081220\
 Data File : VX017863.D
 Acq On : 12 Aug 2020 15:50
 Operator : JC/SP
 Sample : L3675-17
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GAYB8

Quant Time: Aug 13 01:21:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 13 01:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	292244	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	277317	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	135216	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	104255	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.69	69	77143	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.34	63	149077	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.54	46	259995	48.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.96%
24) Chloroform-d	5.14	84	153493	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.80%
26) 1,2-Dichloroethane-d4	6.03	65	106480	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	6.05	84	350203	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	7.37	67	110318	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	8.70	98	318273	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
45) trans-1,3-Dichloropropene-	8.99	79	47579	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
48) 2-Hexanone-d5	9.43	63	205753	48.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.14%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	79887	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	123036	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

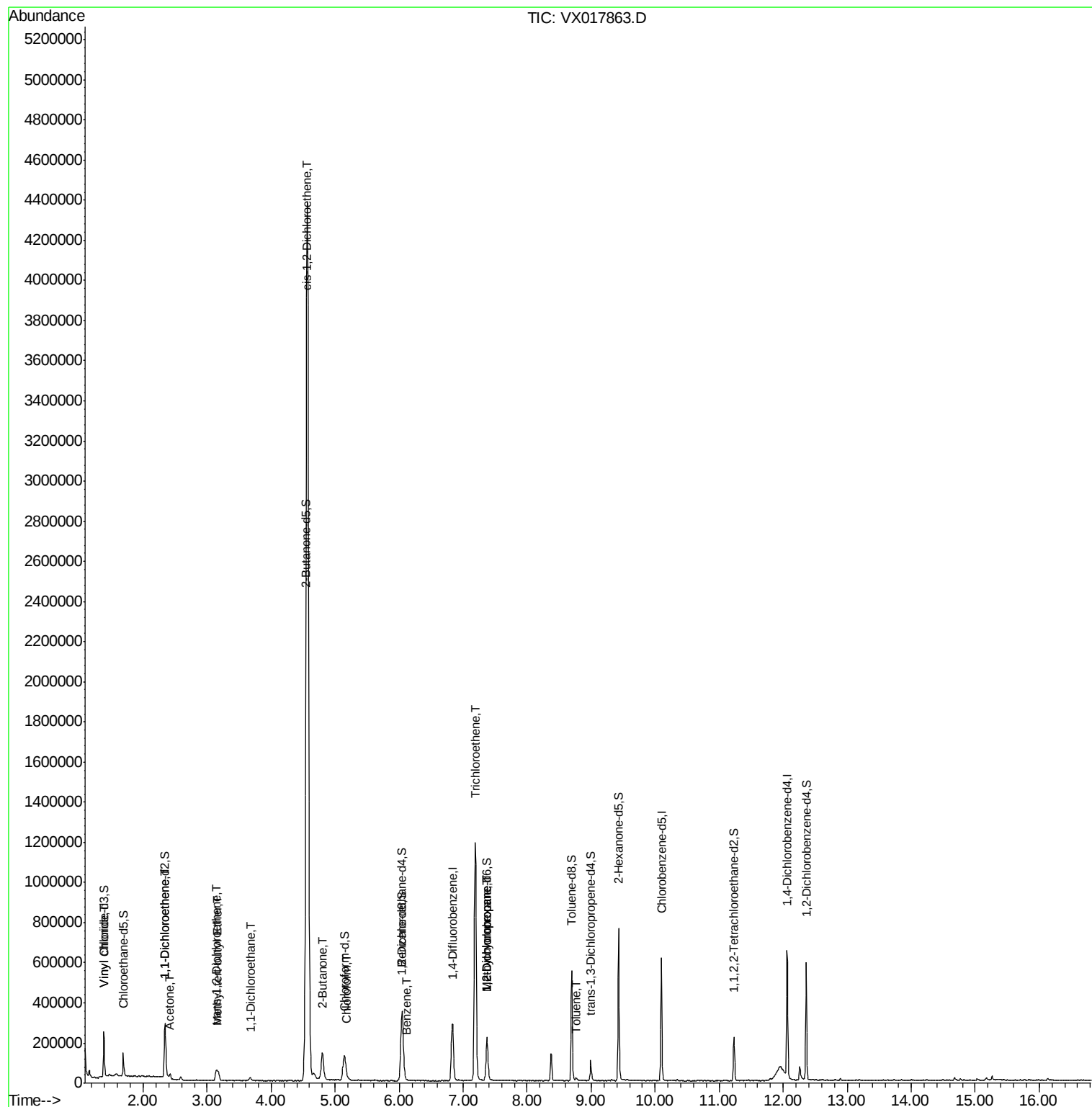
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	36837	1.338	ug/L	88
12) 1,1-Dichloroethene	2.35	96	12460	0.556	ug/L #	1
13) Acetone	2.42	43	14187	3.621	ug/L	95
17) Methyl tert-butyl Ether	3.17	73	48811	0.814	ug/L	96
18) trans-1,2-Dichloroethene	3.14	96	19112	0.752	ug/L	100
19) 1,1-Dichloroethane	3.67	63	18323	0.404	ug/L	94
21) 2-Butanone	4.80	43	231003	34.135	ug/L #	50
22) cis-1,2-Dichloroethene	4.56	96	2806358	105.221	ug/L #	100
25) Chloroform	5.18	83	29417	0.602	ug/L	90
33) Benzene	6.12	78	5049	0.051	ug/L	100
34) Trichloroethene	7.19	95	451179	15.743	ug/L	95
35) Methylcyclohexane	7.37	83	27683	0.687	ug/L #	20
37) 1,2-Dichloropropane	7.37	63	12552	0.508	ug/L #	90
42) Toluene	8.76	91	8106	0.076	ug/L	94

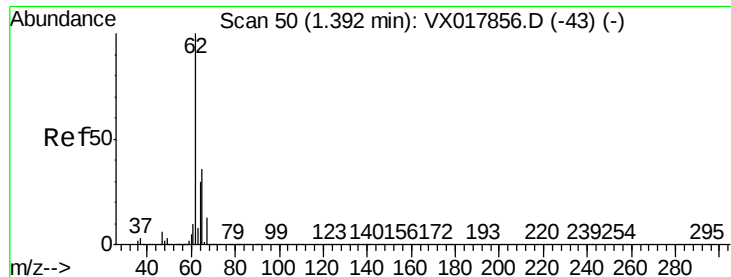
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 13 01:19:50 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.338 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017863.D

Acq: 12 Aug 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

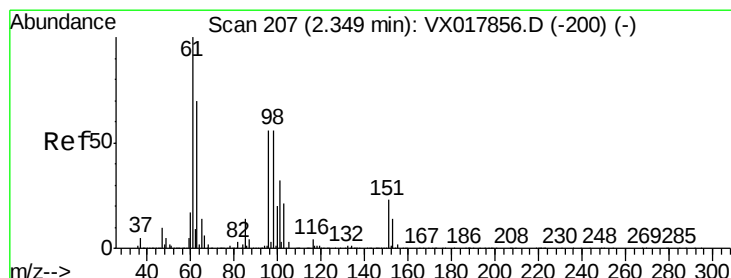
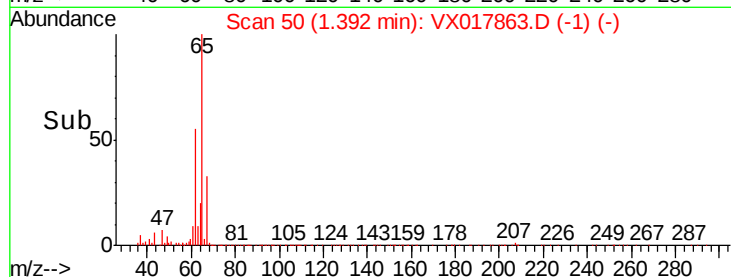
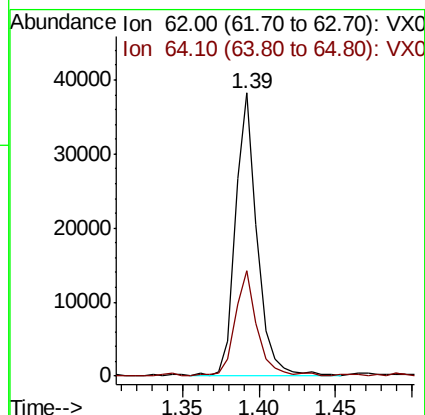
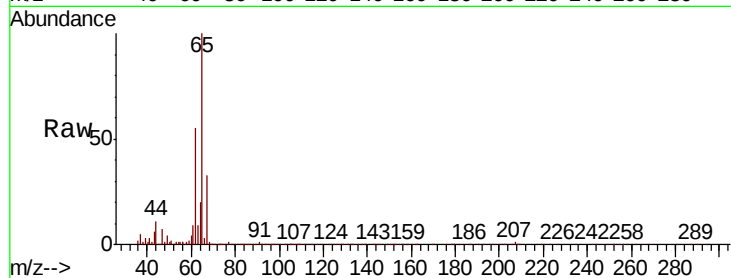
GAYB8

Tot Ion: 62 Resp: 36837

Ion Ratio Lower Upper

62 100

64 37.3 21.3 39.6



#12

1,1-Dichloroethene

Concen: 0.556 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.00 min

Lab File: VX017863.D

Acq: 12 Aug 2020 15:50

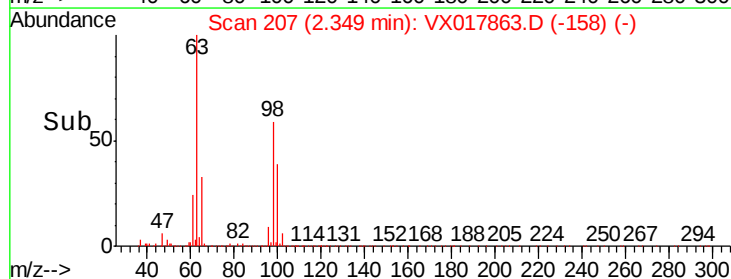
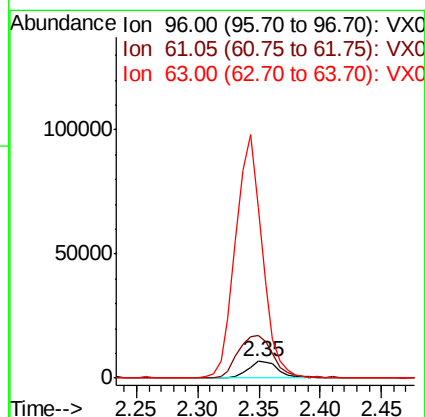
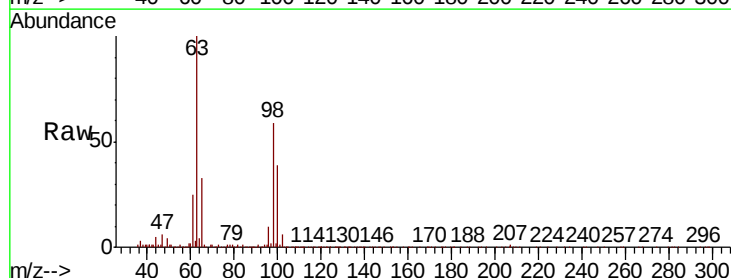
Tgt Ion: 96 Resp: 12460

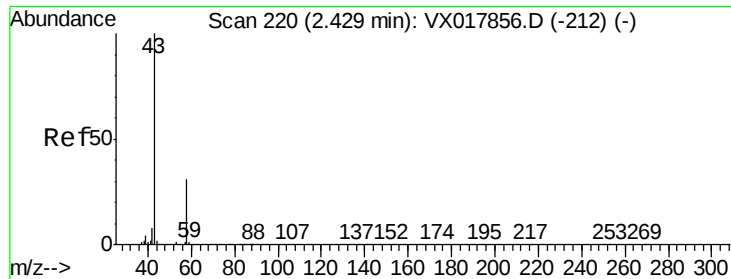
Ion Ratio Lower Upper

96 100

61 256.6 123.5 229.3#

63 1036.2 67.0 124.4#





#13

Acetone

Concen: 3.621 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX017863.D

Acq: 12 Aug 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

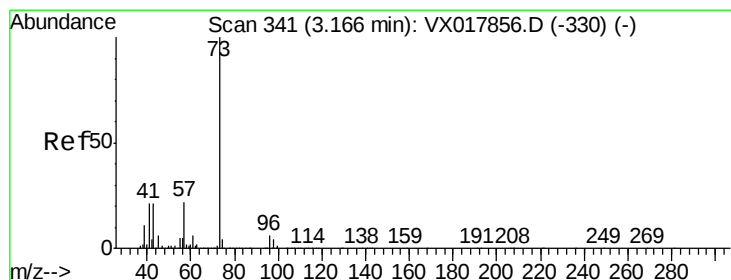
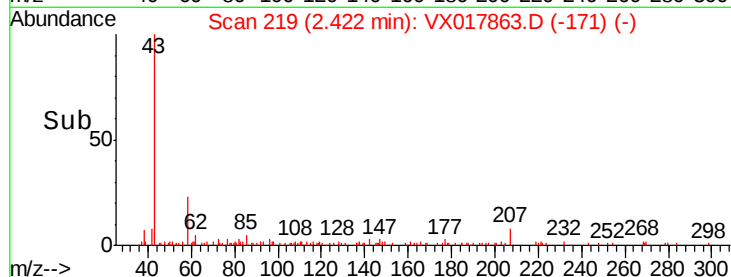
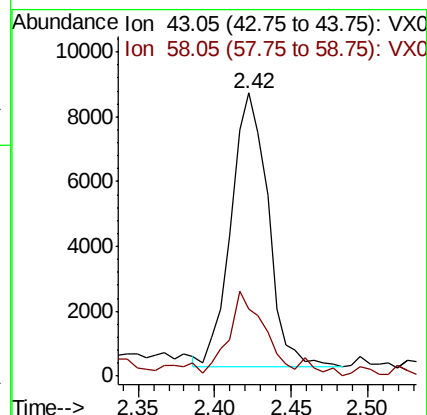
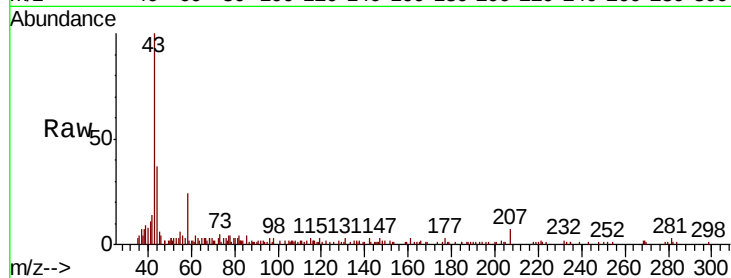
GAYB8

Tot Ion: 43 Resp: 14187

Ion Ratio Lower Upper

43 100

58 27.9 0.0 60.8



#17

Methyl tert-butyl Ether

Concen: 0.814 ug/L

RT: 3.17 min Scan# 342

Delta R.T. 0.01 min

Lab File: VX017863.D

Acq: 12 Aug 2020 15:50

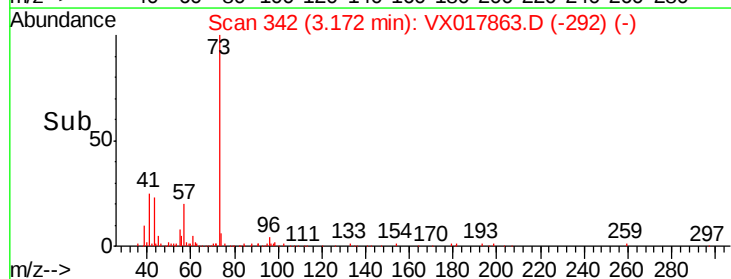
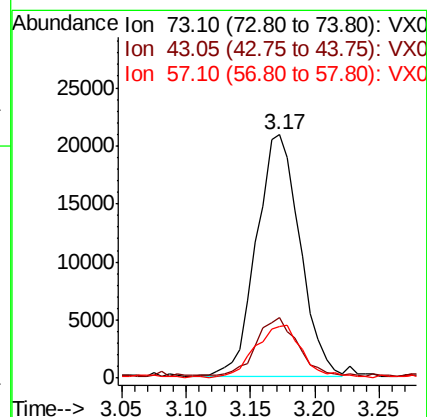
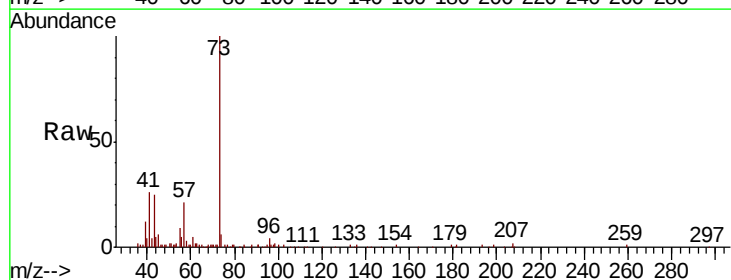
Tgt Ion: 73 Resp: 48811

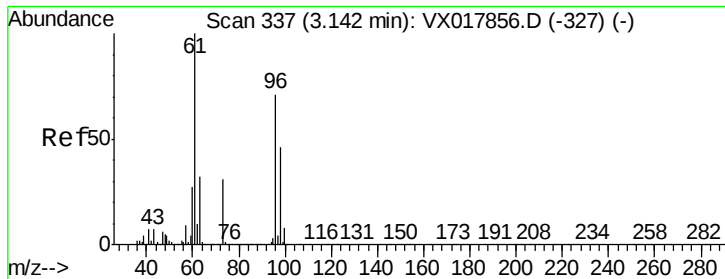
Ion Ratio Lower Upper

73 100

43 23.6 17.7 26.5

57 23.9 17.0 25.6





#18

trans-1,2-Dichloroethene

Concen: 0.752 ug/L

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017863.D

Acq: 12 Aug 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

GAYB8

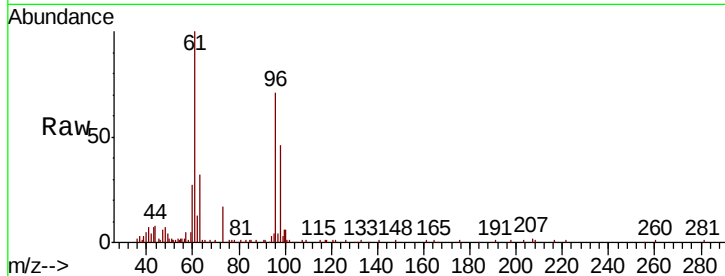
Tot Ion: 96 Resp: 19112

Ion Ratio Lower Upper

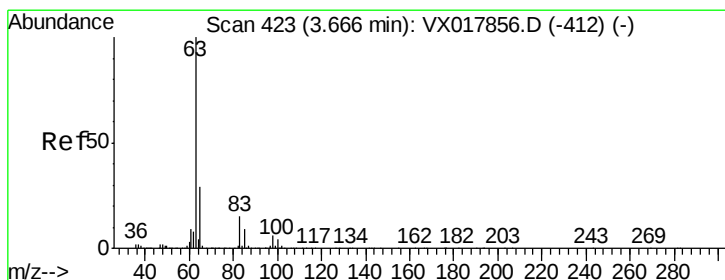
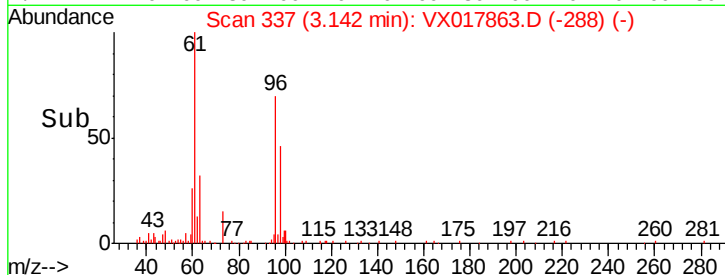
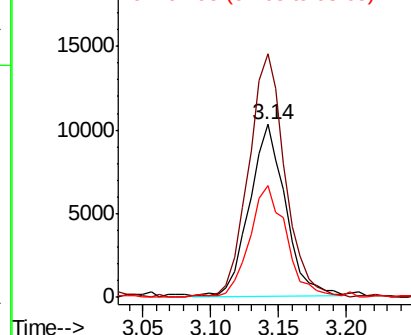
96 100

61 140.7 98.4 182.8

98 64.6 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 97.95 (97.65 to 98.65): VX0



#19

1,1-Dichloroethane

Concen: 0.404 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX017863.D

Acq: 12 Aug 2020 15:50

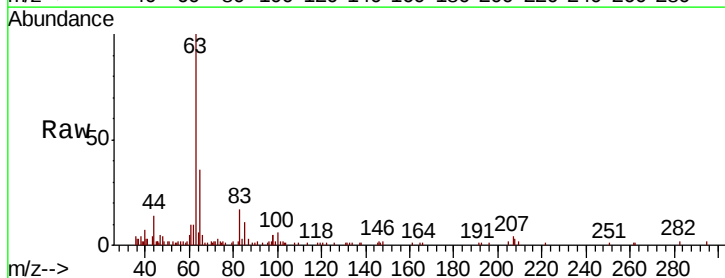
Tgt Ion: 63 Resp: 18323

Ion Ratio Lower Upper

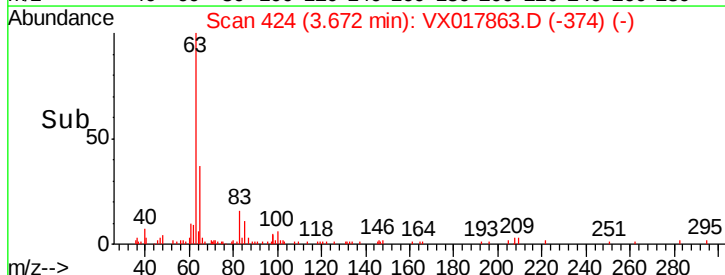
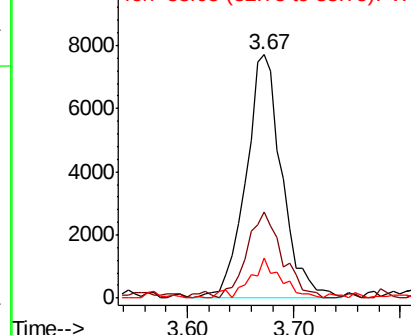
63 100

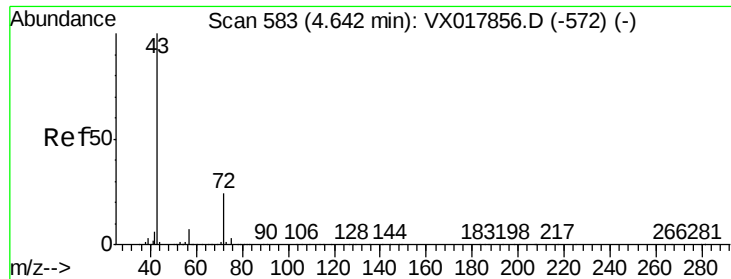
65 35.5 22.6 42.0

83 16.6 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

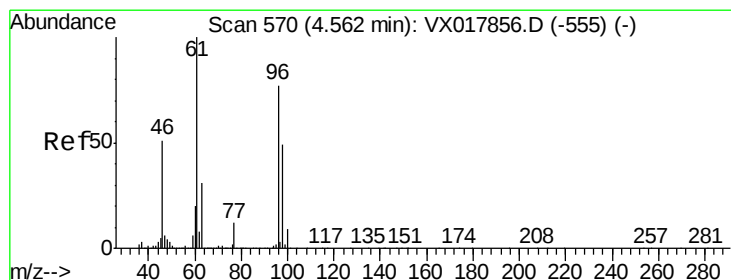
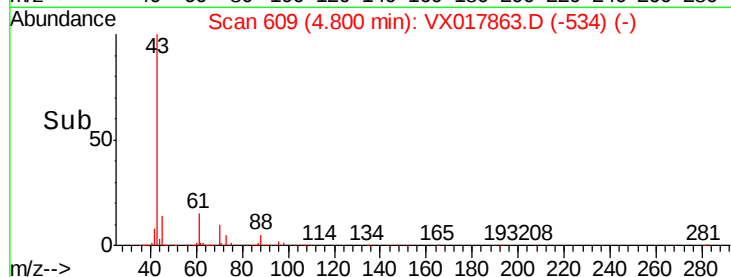
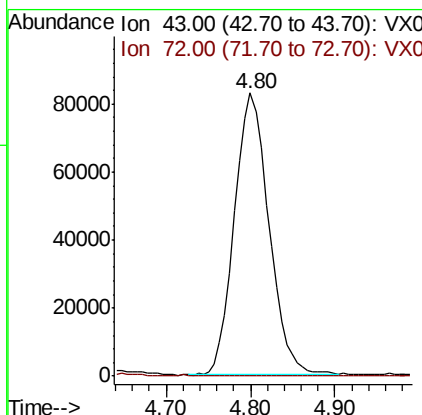
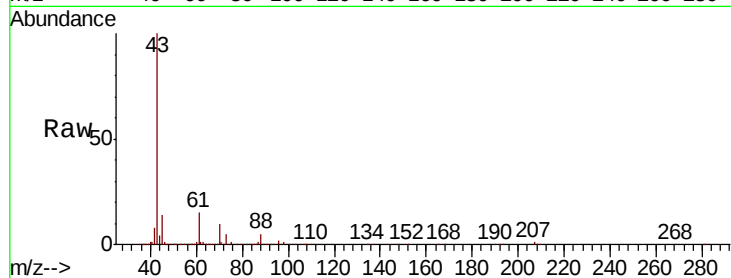




#21
2-Butanone
Concen: 34.135 ug/L
RT: 4.80 min Scan# 609
Delta R.T. 0.16 min
Lab File: VX017863.D
Acq: 12 Aug 2020 15:50

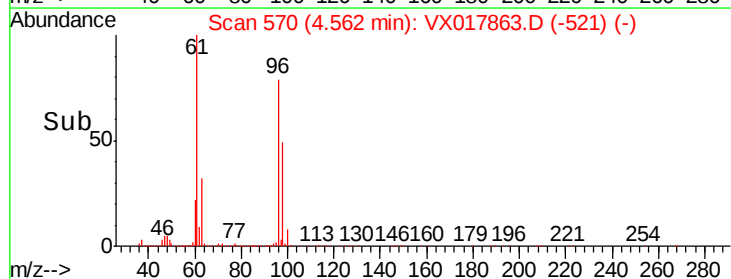
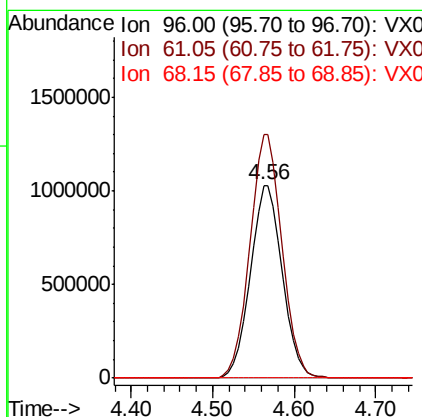
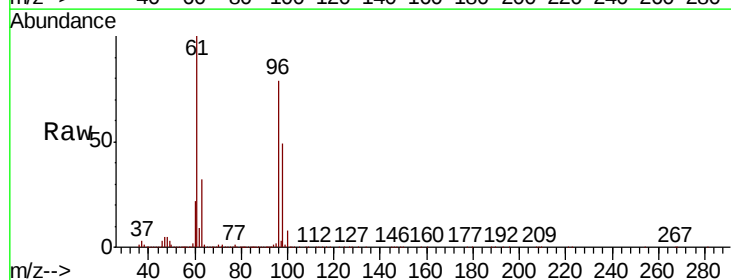
Instrument :
MSVOA_X
ClientSampleId :
GAYB8

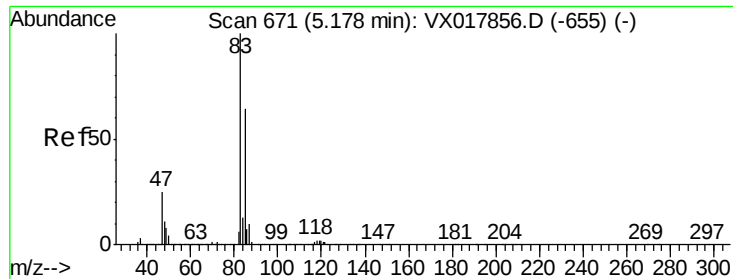
Tot Ion: 43 Resp: 231003
Ion Ratio Lower Upper
43 100
72 0.8 13.2 39.6#



#22
cis-1,2-Dichloroethene
Concen: 105.221 ug/L
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX017863.D
Acq: 12 Aug 2020 15:50

Tgt Ion: 96 Resp: 2806358
Ion Ratio Lower Upper
96 100
61 126.4 88.8 165.0
68 0.0 0.2 0.4#





#25

Chloroform

Concen: 0.602 ug/L

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX017863.D

Acq: 12 Aug 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

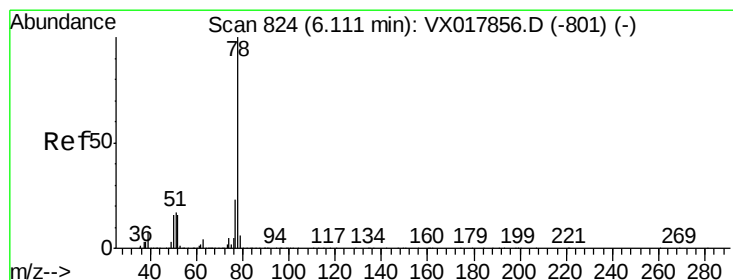
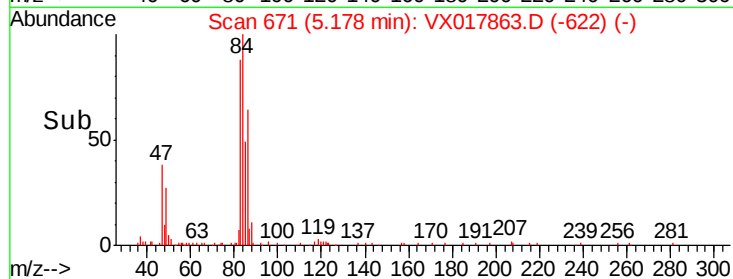
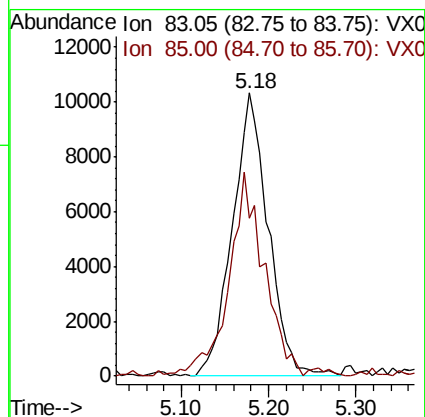
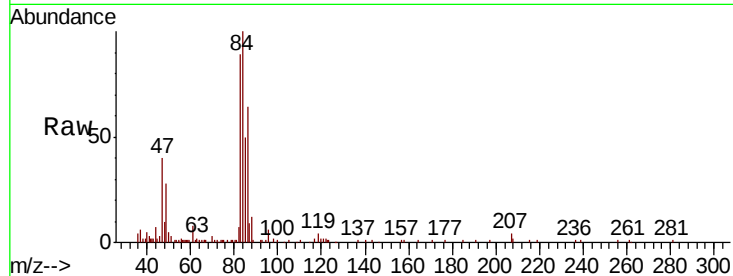
GAYB8

Tot Ion: 83 Resp: 29417

Ion Ratio Lower Upper

83 100

85 56.0 44.7 83.1



#33

Benzene

Concen: 0.051 ug/L

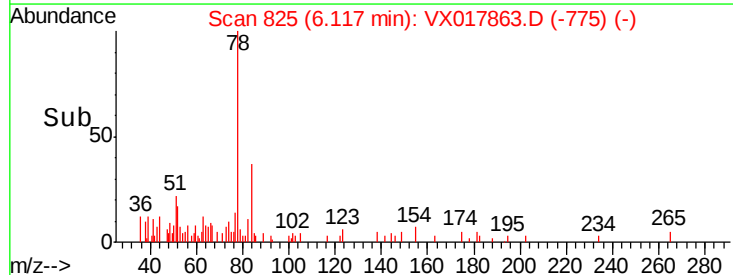
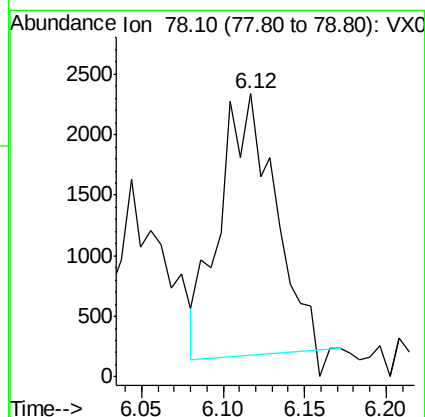
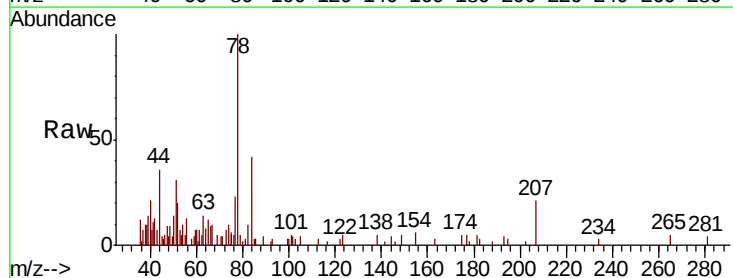
RT: 6.12 min Scan# 825

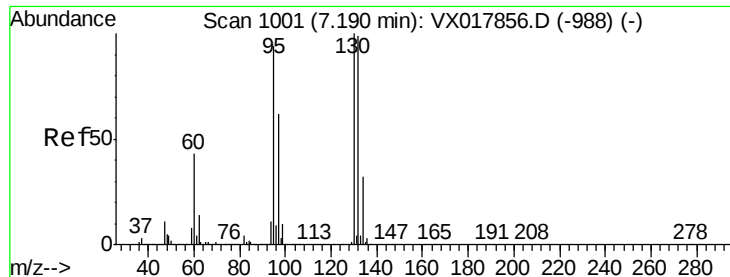
Delta R.T. 0.01 min

Lab File: VX017863.D

Acq: 12 Aug 2020 15:50

Tgt Ion: 78 Resp: 5049

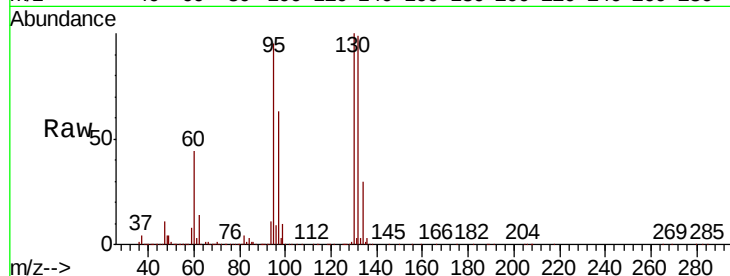




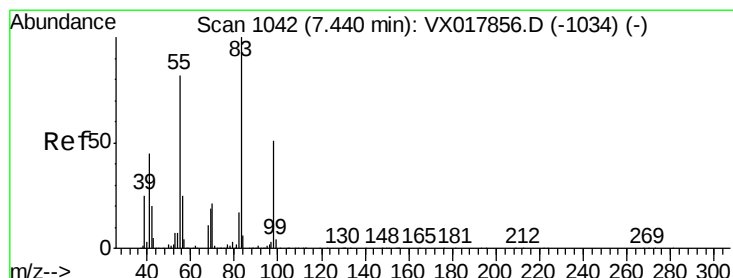
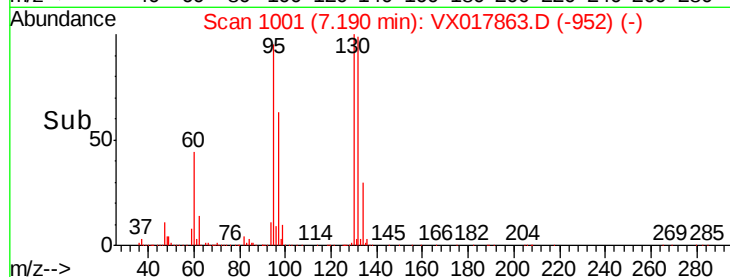
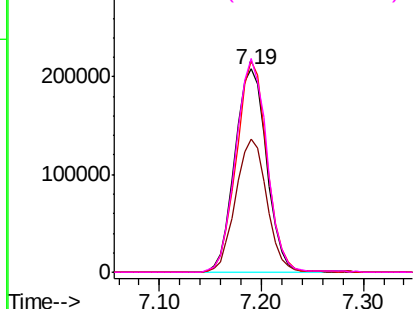
#34
 Trichloroethene
 Concen: 15.743 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX017863.D
 Acq: 12 Aug 2020 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 GAYB8

Tot Ion: 95 Resp: 451179
 Ion Ratio Lower Upper
 95 100
 97 65.8 46.1 85.5
 132 103.9 66.0 122.6
 130 105.1 71.7 133.1

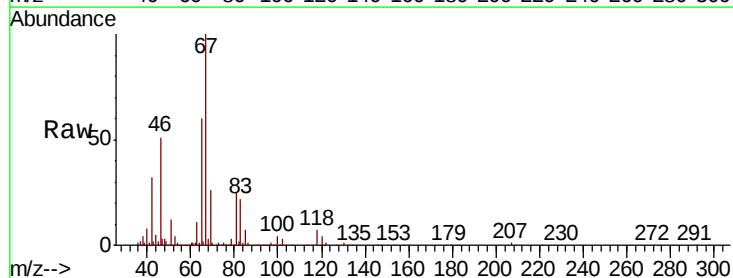


Abundance Ion 95.00 (94.70 to 95.70): VX0
 Ion 96.95 (96.65 to 97.65): VX0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

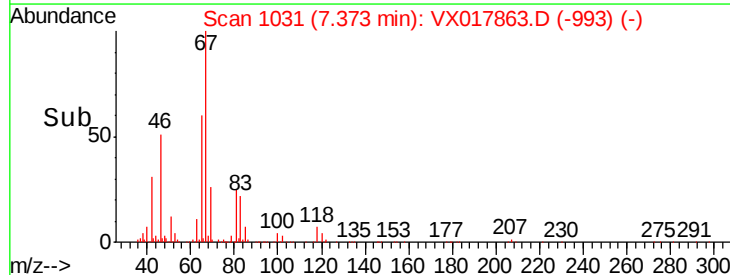
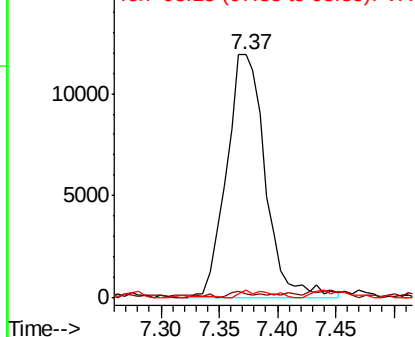


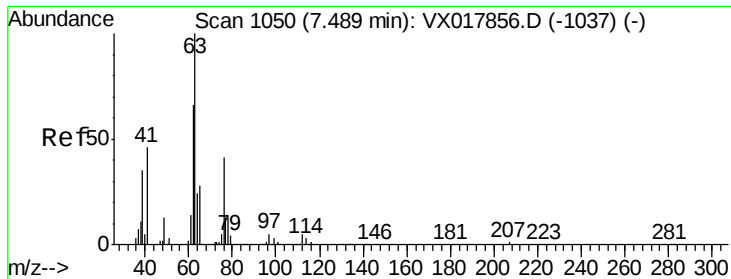
#35
 Methylcyclohexane
 Concen: 0.687 ug/L
 RT: 7.37 min Scan# 1031
 Delta R.T. -0.07 min
 Lab File: VX017863.D
 Acq: 12 Aug 2020 15:50

Tgt Ion: 83 Resp: 27683
 Ion Ratio Lower Upper
 83 100
 55 1.9 62.4 93.6#
 98 2.5 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

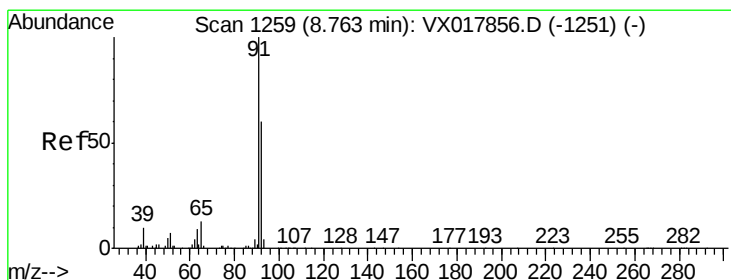
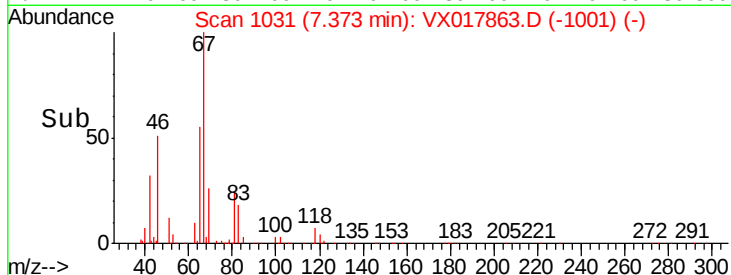
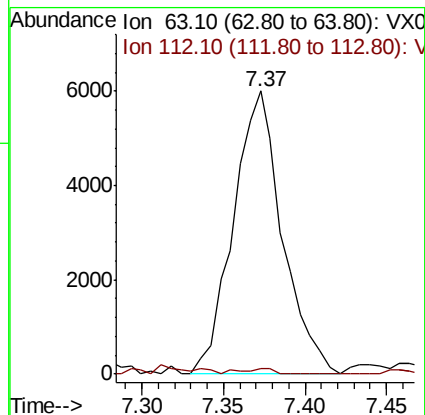
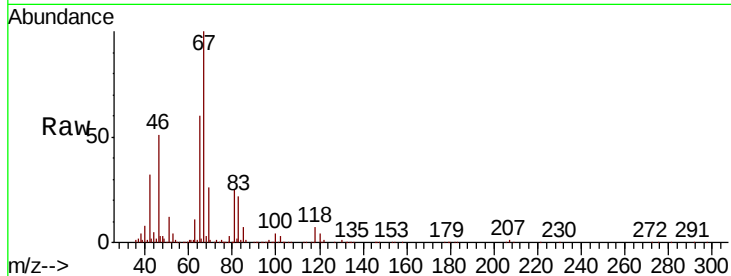




#37
 1,2-Dichloropropane
 Concen: 0.508 ug/L
 RT: 7.37 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VX017863.D
 Acq: 12 Aug 2020 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 GAYB8

Tot Ion: 63 Resp: 12552
 Ion Ratio Lower Upper
 63 100
 112 1.3 3.6 5.4#



#42
 Toluene
 Concen: 0.076 ug/L
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VX017863.D
 Acq: 12 Aug 2020 15:50

Tgt Ion: 91 Resp: 8106
 Ion Ratio Lower Upper
 91 100
 92 59.8 38.8 72.0

