

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092920\
 Data File : VX018664.D
 Acq On : 29 Sep 2020 17:52
 Operator : JC/SP
 Sample : L4143-09
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 30 04:58:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 04:47:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	257289	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	249415	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	113448	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	55124	4.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.80%
7) Chloroethane-d5	1.70	69	50747	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.35	63	192930	6.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	129.80%#
20) 2-Butanone-d5	4.56	46	164300	47.86	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.72%
24) Chloroform-d	5.14	84	140950	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	6.03	65	81412	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
32) Benzene-d6	6.05	84	262523	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	7.37	67	80268	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	8.70	98	230238	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
45) trans-1,3-Dichloropropene-	8.99	79	32498	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
48) 2-Hexanone-d5	9.43	63	131630	47.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.22%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	59098	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	86003	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

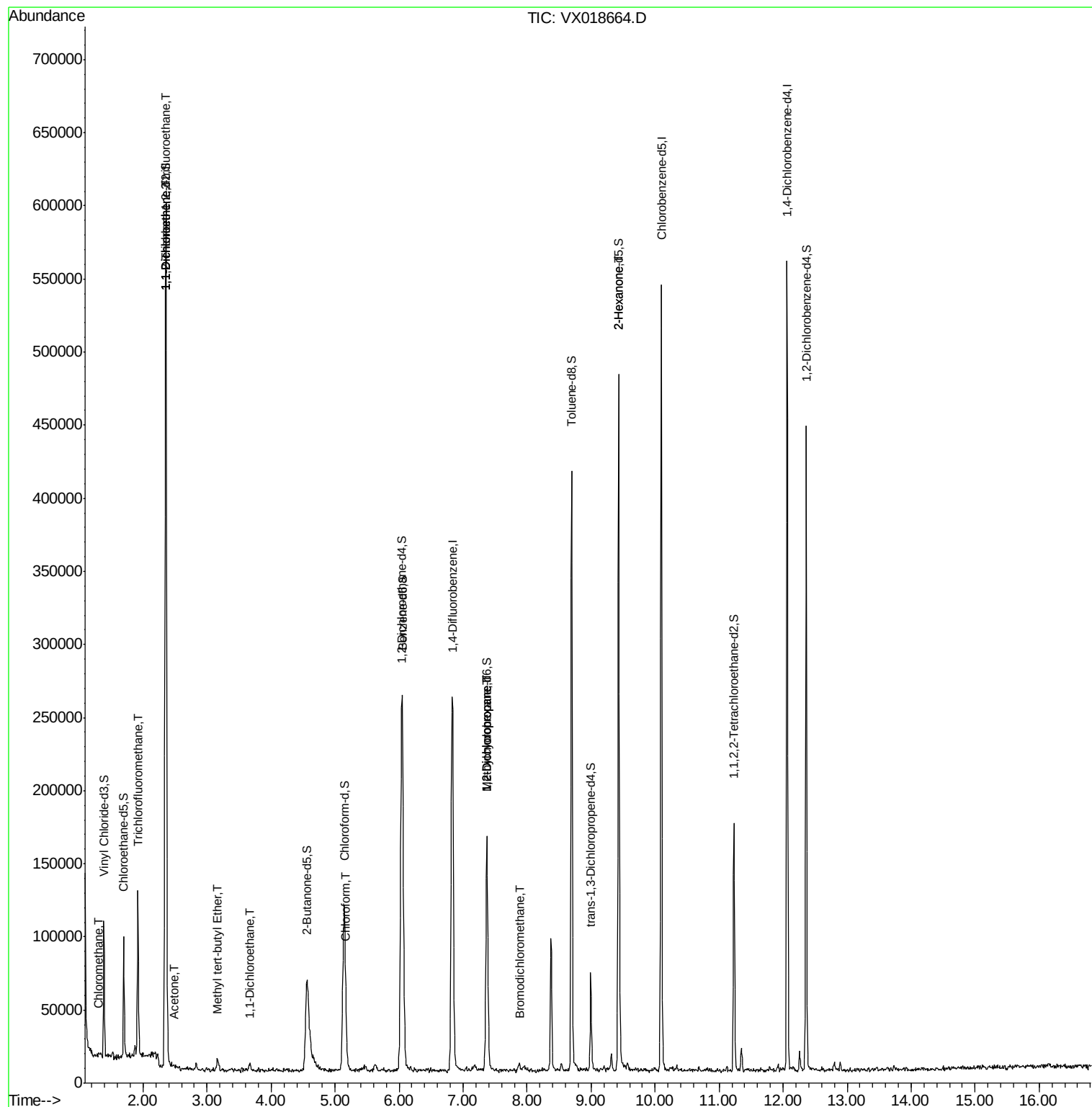
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.31	50	1354	0.102	ug/L #	47
9) Trichlorofluoromethane	1.92	101	71085	2.946	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.35	101	1880	0.142	ug/L #	40
12) 1,1-Dichloroethene	2.36	96	156286	12.442	ug/L #	78
13) Acetone	2.48	43	3201	1.685	ug/L	95
17) Methyl tert-butyl Ether	3.17	73	8749	0.313	ug/L #	84
19) 1,1-Dichloroethane	3.67	63	5192	0.231	ug/L #	84
25) Chloroform	5.17	83	9479	0.385	ug/L	97
35) Methylcyclohexane	7.37	83	21373	1.104	ug/L #	16
37) 1,2-Dichloropropane	7.37	63	9951	0.775	ug/L #	86
38) Bromodichloromethane	7.88	83	3155	0.182	ug/L	99
50) 2-Hexanone	9.43	43	17043	3.386	ug/L #	73

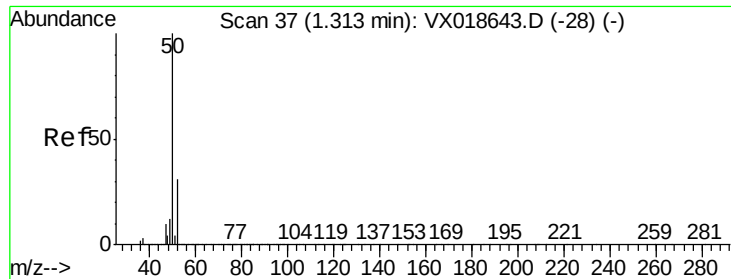
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 30 04:58:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 30 04:47:32 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.102 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018664.D

Acq: 29 Sep 2020 17:52

Instrument :

MSVOA_X

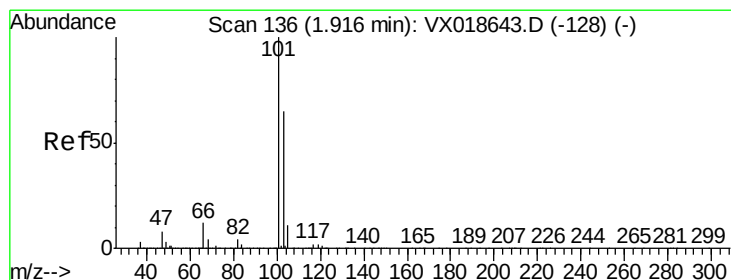
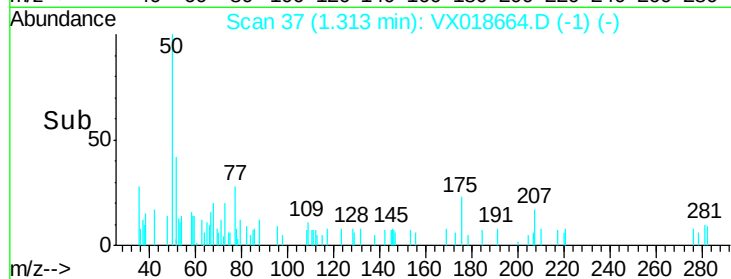
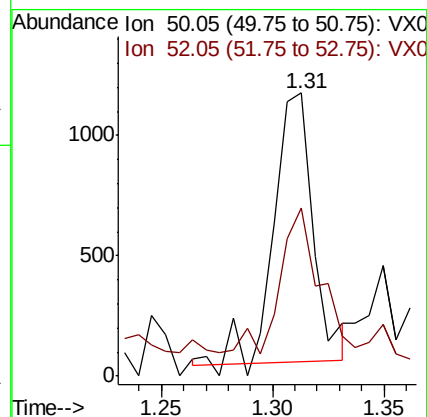
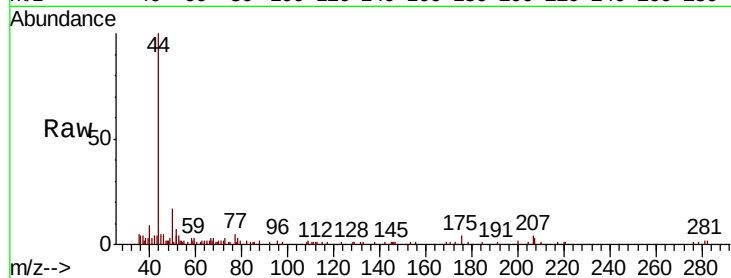
ClientSampleId :

Tot Ion: 50 Resp: 1354

Ion Ratio Lower Upper

50 100

52 59.4 21.2 39.4#



#9

Trichlorofluoromethane

Concen: 2.946 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX018664.D

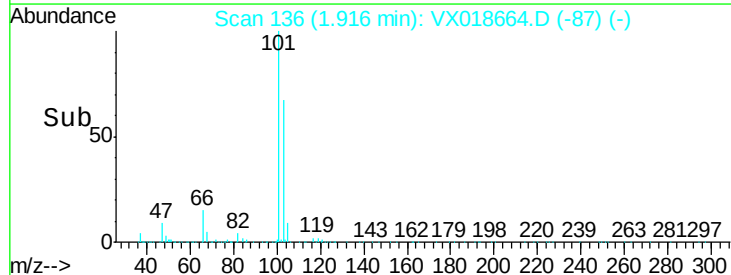
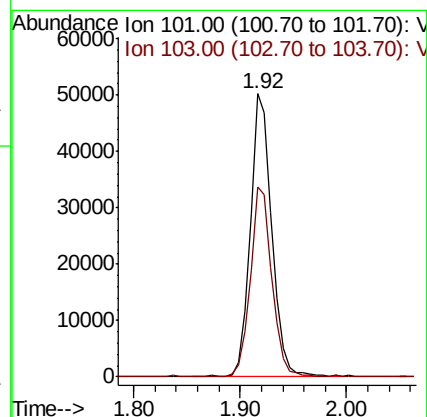
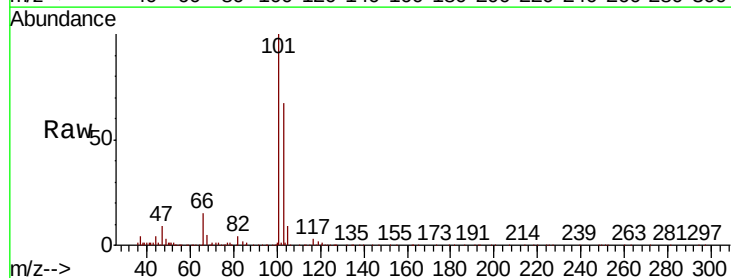
Acq: 29 Sep 2020 17:52

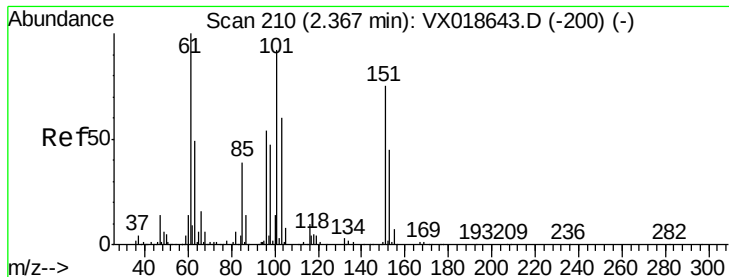
Tgt Ion: 101 Resp: 71085

Ion Ratio Lower Upper

101 100

103 67.1 49.8 74.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.142 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.02 min

Lab File: VX018664.D

Acq: 29 Sep 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

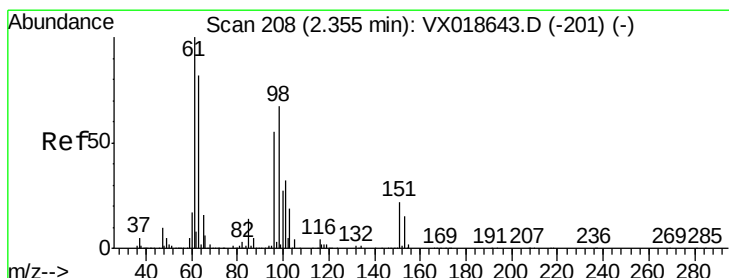
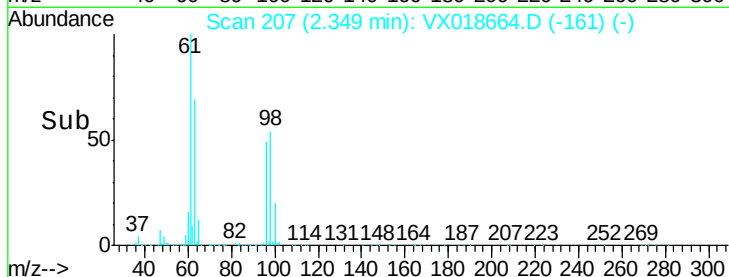
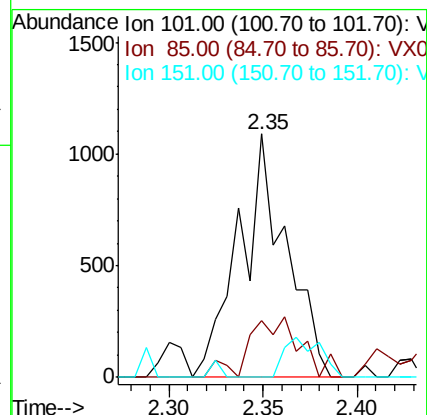
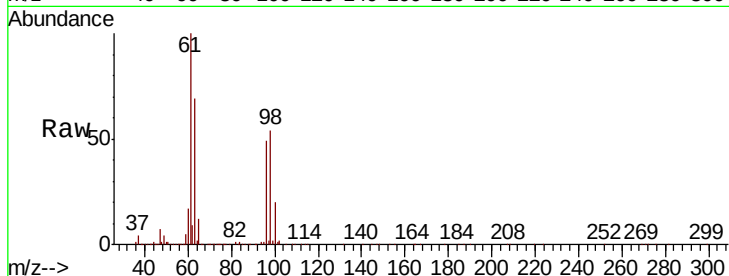
Tot Ion:101 Resp: 1880

Ion Ratio Lower Upper

101 100

85 27.6 36.1 54.1#

151 12.6 65.5 98.3#



#12

1,1-Dichloroethene

Concen: 12.442 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018664.D

Acq: 29 Sep 2020 17:52

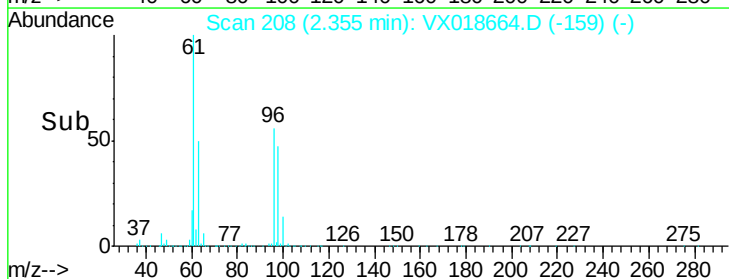
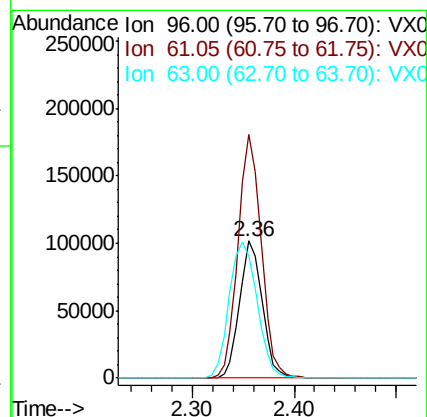
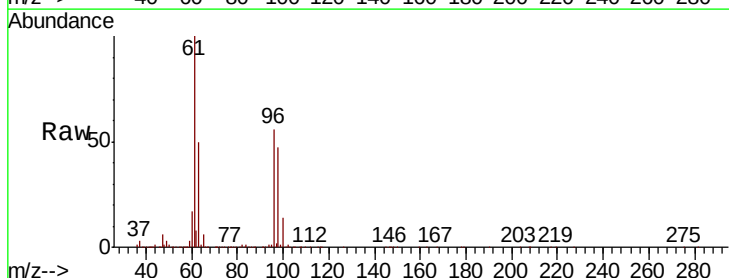
Tgt Ion: 96 Resp: 156286

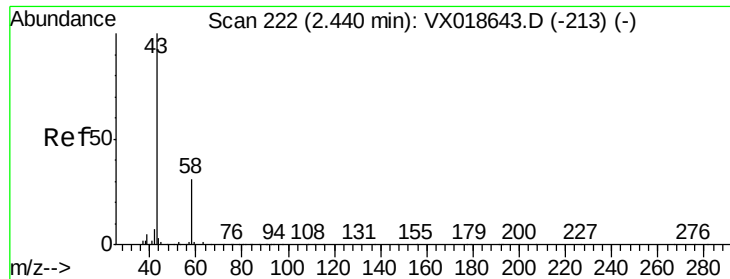
Ion Ratio Lower Upper

96 100

61 177.9 123.8 229.8

63 89.5 104.7 194.4#





#13

Acetone

Concen: 1.685 ug/L

RT: 2.48 min Scan# 228

Delta R.T. 0.04 min

Lab File: VX018664.D

Acq: 29 Sep 2020 17:52

Instrument :

MSVOA_X

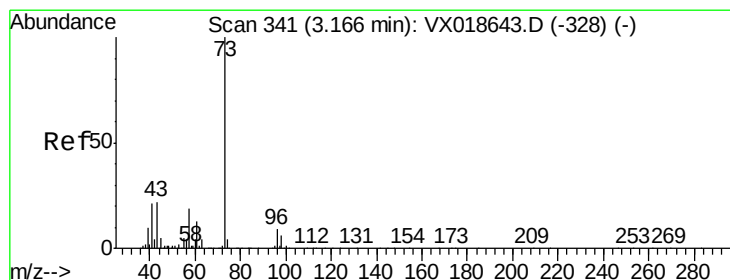
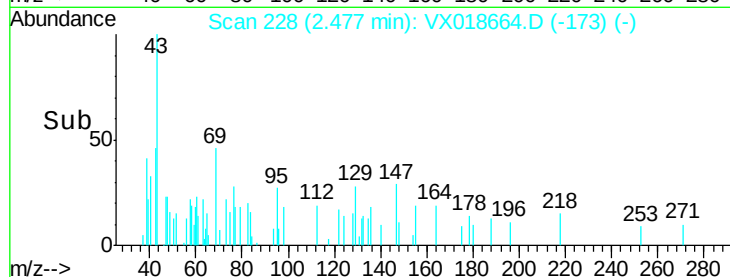
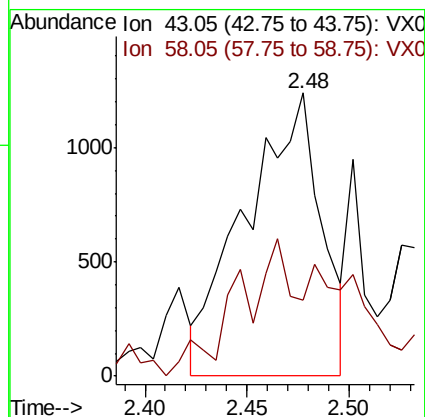
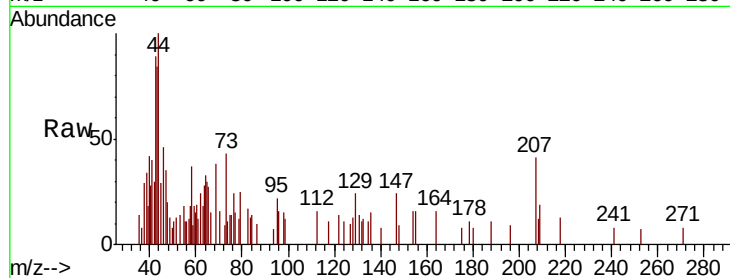
ClientSampleId :

Tot Ion: 43 Resp: 3201

Ion Ratio Lower Upper

43 100

58 28.3 0.0 61.6



#17

Methyl tert-butyl Ether

Concen: 0.313 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX018664.D

Acq: 29 Sep 2020 17:52

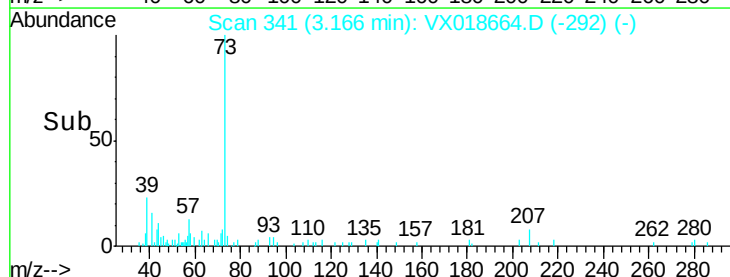
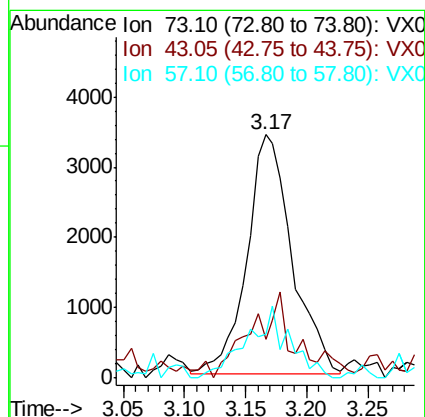
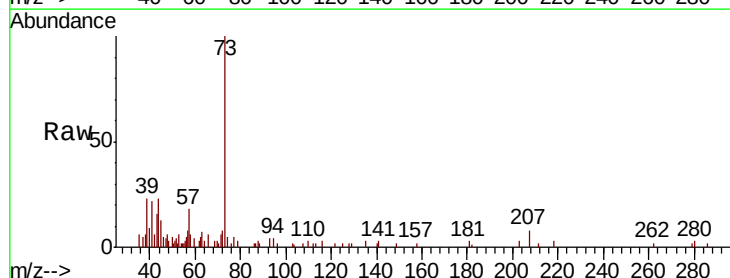
Tgt Ion: 73 Resp: 8749

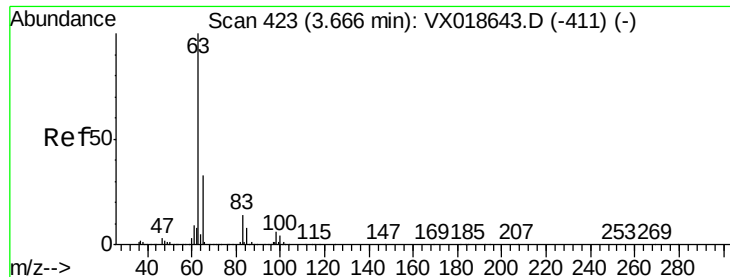
Ion Ratio Lower Upper

73 100

43 31.8 18.6 27.8#

57 28.1 17.3 25.9#





#19

1,1-Dichloroethane

Concen: 0.231 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018664.D

Acq: 29 Sep 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

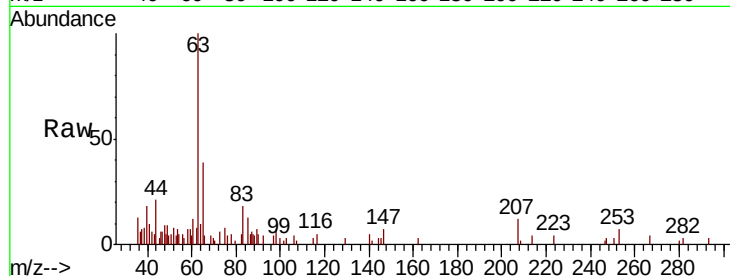
Tot Ion: 63 Resp: 5192

Ion Ratio Lower Upper

63 100

65 42.5 22.7 42.1#

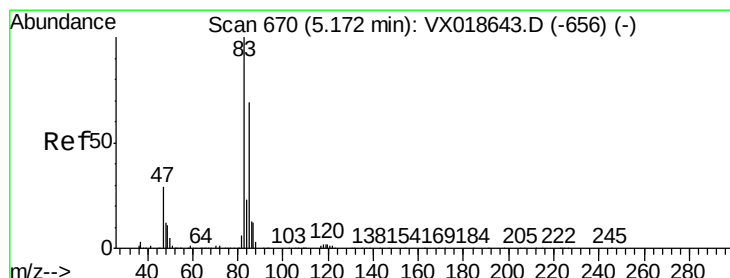
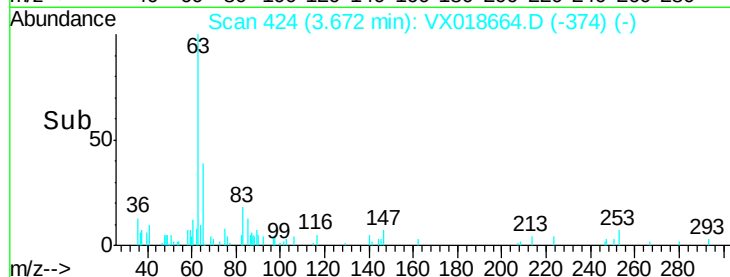
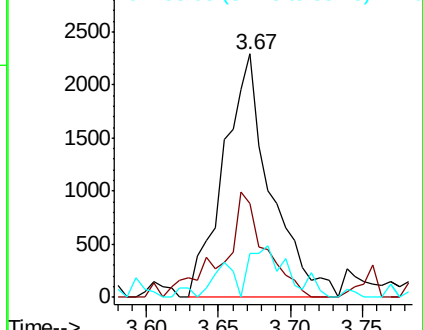
83 18.1 9.3 17.3#



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



#25

Chloroform

Concen: 0.385 ug/L

RT: 5.17 min Scan# 670

Delta R.T. 0.00 min

Lab File: VX018664.D

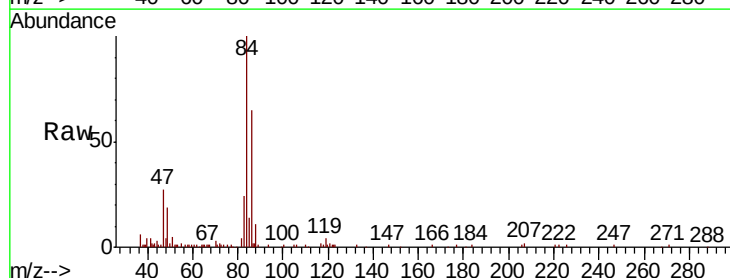
Acq: 29 Sep 2020 17:52

Tgt Ion: 83 Resp: 9479

Ion Ratio Lower Upper

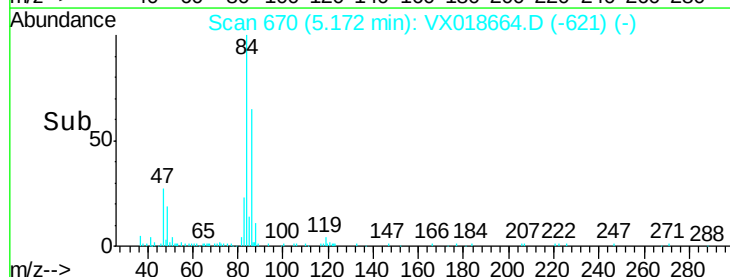
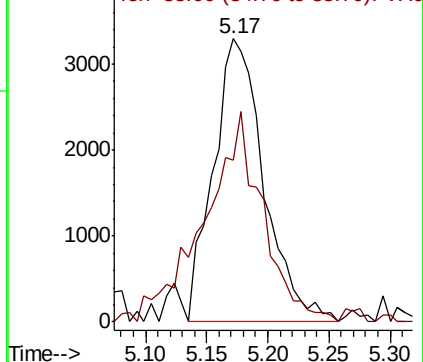
83 100

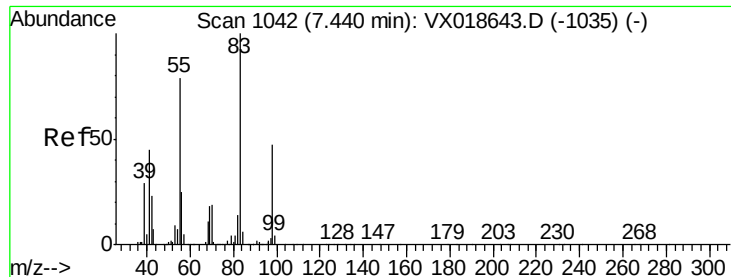
85 57.3 41.8 77.6



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0

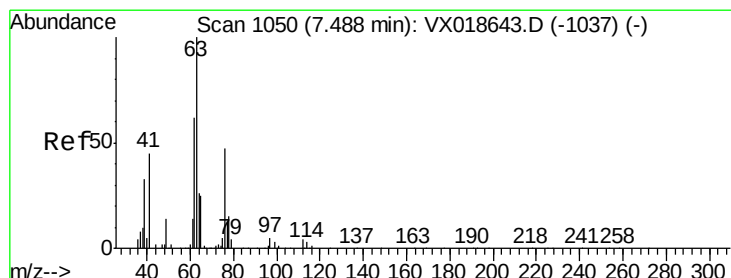
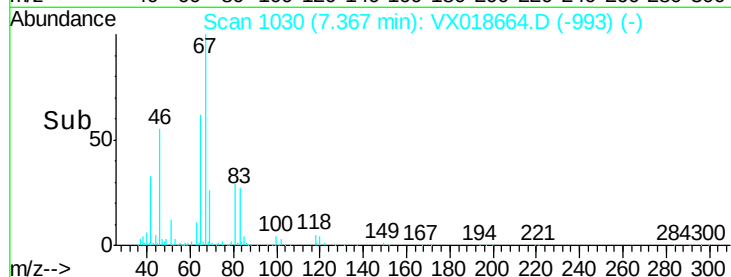
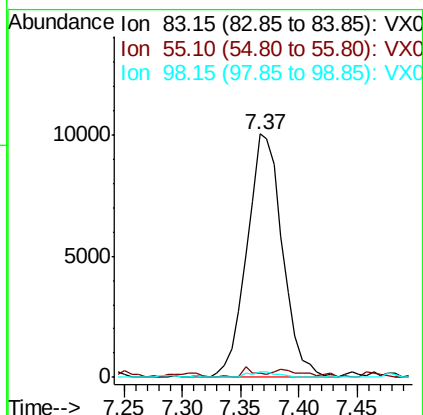
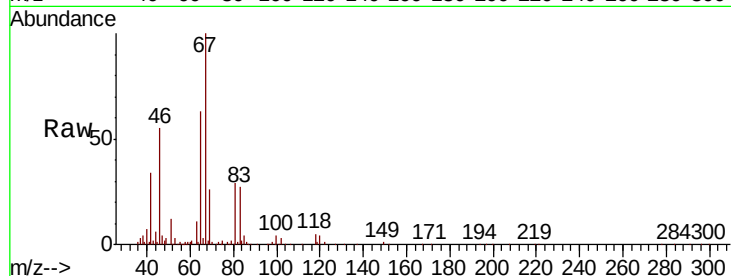




#35
Methvlcvclohexane
Concen: 1.104 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.07 min
Lab File: VX018664.D
Acq: 29 Sep 2020 17:52

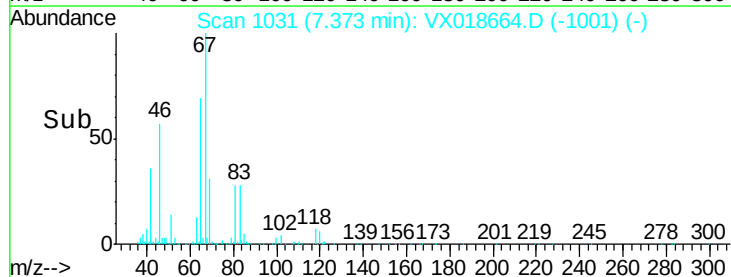
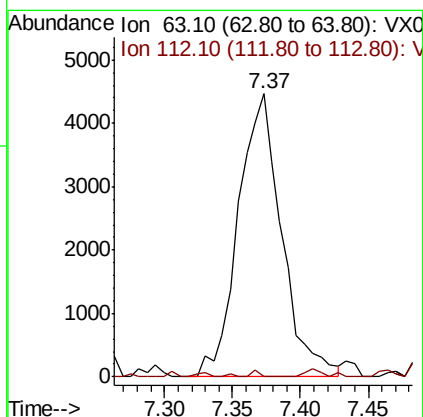
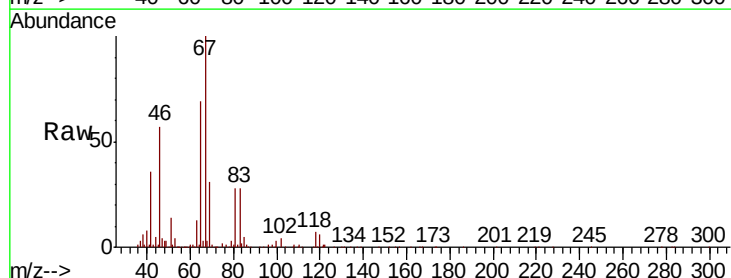
Instrument :
MSVOA_X
ClientSampled :

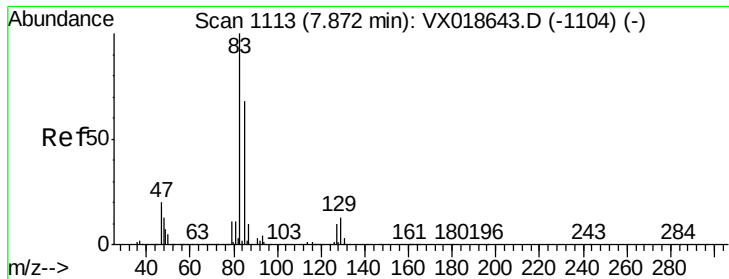
Tot Ion	Ratio	Lower	Upper
83	100		
55	1.5	67.4	101.0#
98	1.8	41.1	61.7#



#37
1,2-Dichloropropane
Concen: 0.775 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VX018664.D
Acq: 29 Sep 2020 17:52

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.4	4.1	6.1#





#38

Bromodichloromethane

Concen: 0.182 ug/L

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX018664.D

Acq: 29 Sep 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

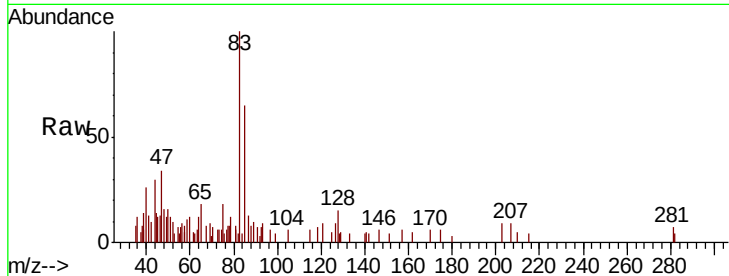
Tot Ion: 83 Resp: 3155

Ion Ratio Lower Upper

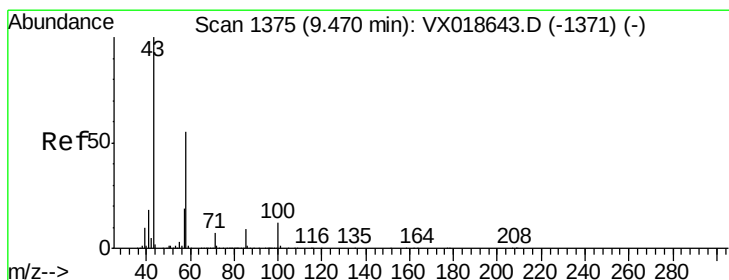
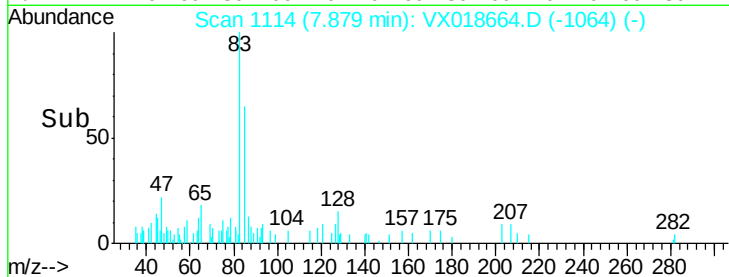
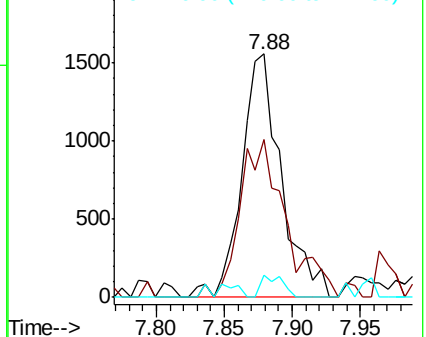
83 100

85 64.7 45.2 84.0

127 9.0 8.2 12.2



Abundance Ion 82.95 (82.65 to 83.65): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 126.90 (126.60 to 127.60): V



#50

2-Hexanone

Concen: 3.386 ug/L

RT: 9.43 min Scan# 1369

Delta R.T. -0.04 min

Lab File: VX018664.D

Acq: 29 Sep 2020 17:52

Tgt Ion: 43 Resp: 17043

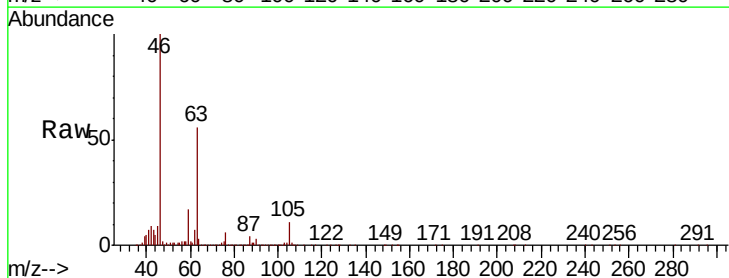
Ion Ratio Lower Upper

43 100

58 33.7 42.5 63.7#

57 31.4 15.9 23.9#

100 1.8 9.4 14.0#



Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

