

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092820\
 Data File : VX018632.D
 Acq On : 28 Sep 2020 22:08
 Operator : JC/SP
 Sample : L4135-12
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG4A5

Quant Time: Sep 29 02:40:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 02:30:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	287177	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	266849	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	129565	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	66422	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.70	69	55457	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.34	63	113671	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	4.55	46	188742	49.25	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.50%
24) Chloroform-d	5.14	84	156296	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	6.04	65	85929	4.14	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
32) Benzene-d6	6.05	84	292923	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	7.37	67	91000	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	8.70	98	273129	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
45) trans-1,3-Dichloropropene-	8.99	79	36428	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
48) 2-Hexanone-d5	9.43	63	147337	49.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.58%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	65371	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
65) 1,2-Dichlorobenzene-d4	12.36	152	102761	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

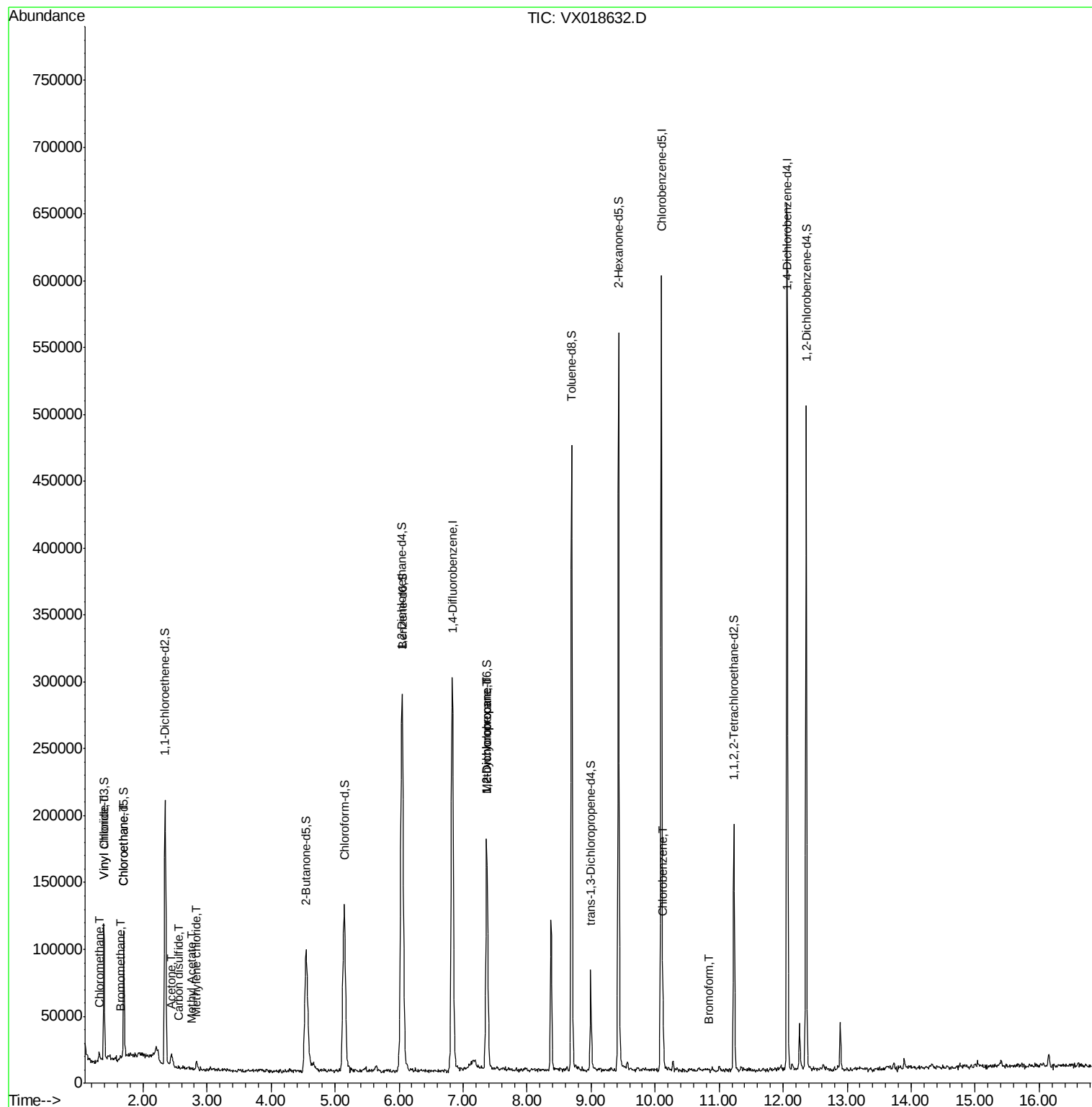
					Ovalue
3) Chloromethane	1.31	50	3205	0.216 ug/L #	65
5) Vinyl chloride	1.39	62	918	0.059 ug/L #	1
6) Bromomethane	1.65	94	1172	0.126 ug/L	99
8) Chloroethane	1.70	64	884	0.103 ug/L	89
13) Acetone	2.44	43	14259	6.723 ug/L	92
14) Carbon disulfide	2.55	76	3507	0.082 ug/L	100
15) Methyl Acetate	2.75	43	909	0.155 ug/L	92
16) Methylene chloride	2.84	84	3385	0.177 ug/L #	74
35) Methylcyclohexane	7.37	83	22252	1.075 ug/L #	16
37) 1,2-Dichloropropane	7.37	63	11181	0.814 ug/L #	89
53) Chlorobenzene	10.12	112	16251	0.443 ug/L #	92
62) Bromoform	10.84	173	941	0.136 ug/L #	64

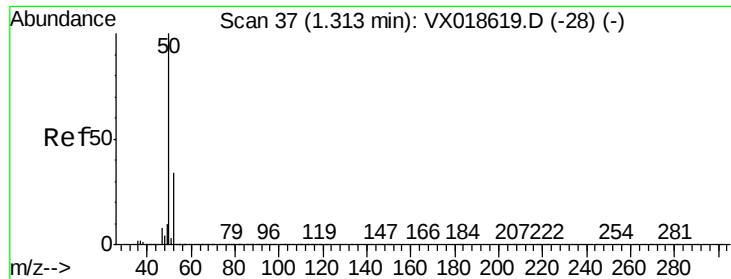
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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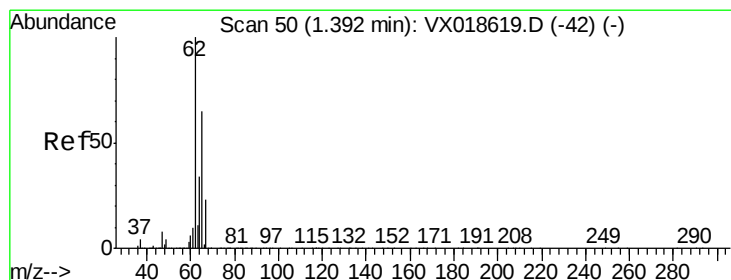
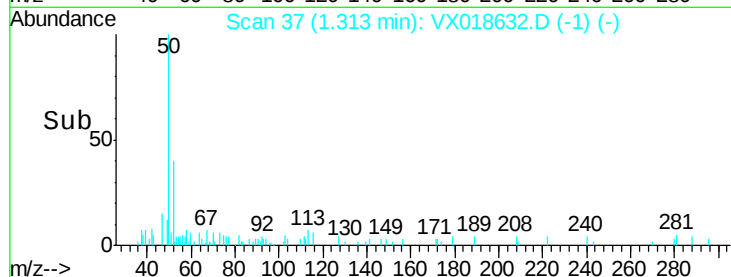
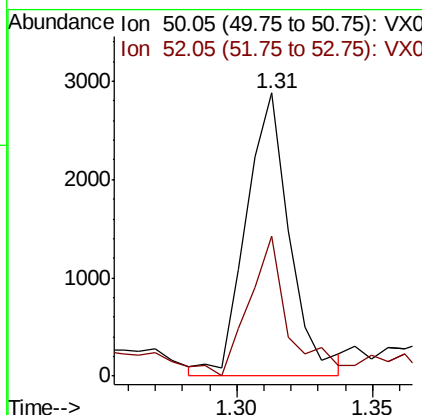
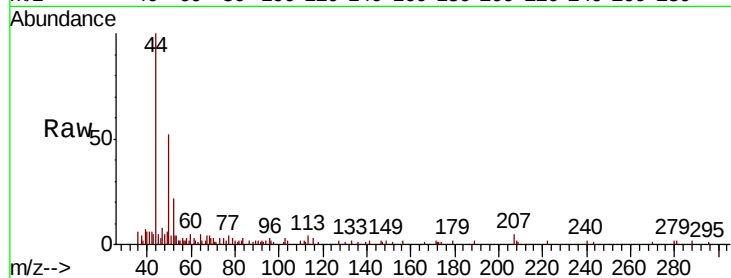




#3
Chloromethane
Concen: 0.216 ug/L
RT: 1.31 min Scan# 37
Delta R.T. 0.00 min
Lab File: VX018632.D
Acq: 28 Sep 2020 22:08

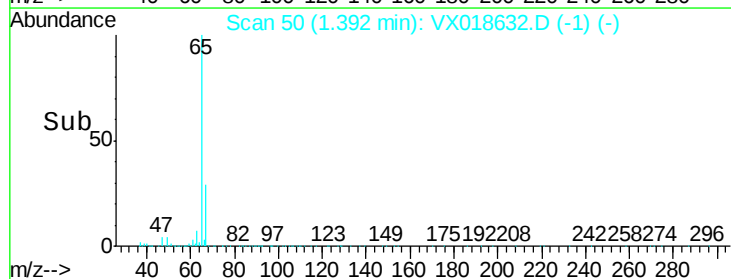
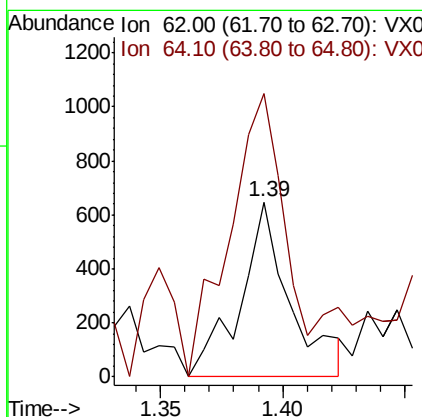
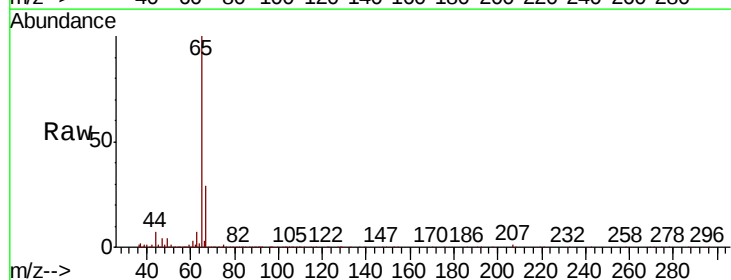
Instrument :
MSVOA_X
ClientSampleId :
BG4A5

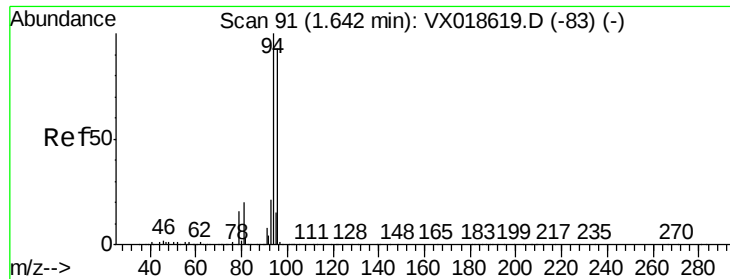
Tot Ion: 50 Resp: 3205
Ion Ratio Lower Upper
50 100
52 49.3 21.2 39.4#



#5
Vinyl chloride
Concen: 0.059 ug/L
RT: 1.39 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX018632.D
Acq: 28 Sep 2020 22:08

Tgt Ion: 62 Resp: 918
Ion Ratio Lower Upper
62 100
64 162.0 23.6 43.8#





#6

Bromomethane

Concen: 0.126 ug/L

RT: 1.65 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX018632.D

Acq: 28 Sep 2020 22:08

Instrument :

MSVOA_X

ClientSampled :

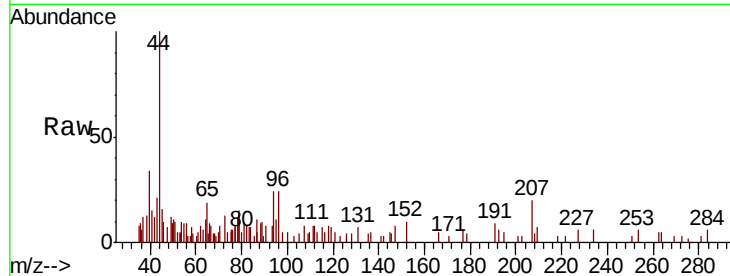
BG4A5

Tot Ion: 94 Resp: 1172

Ion Ratio Lower Upper

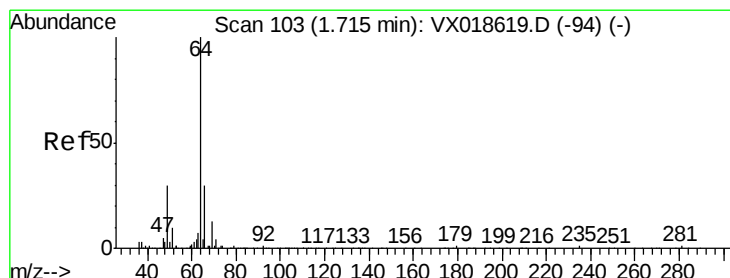
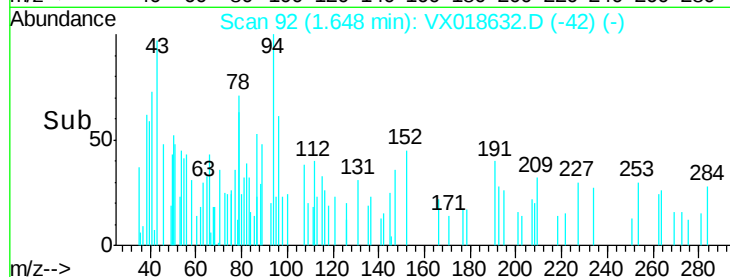
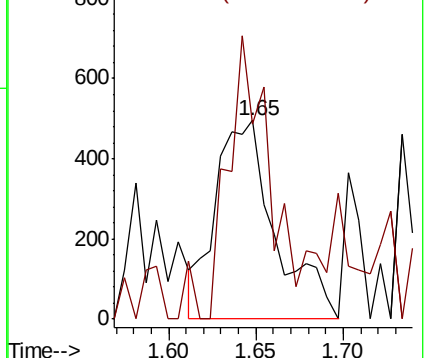
94 100

96 98.0 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#8

Chloroethane

Concen: 0.103 ug/L

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX018632.D

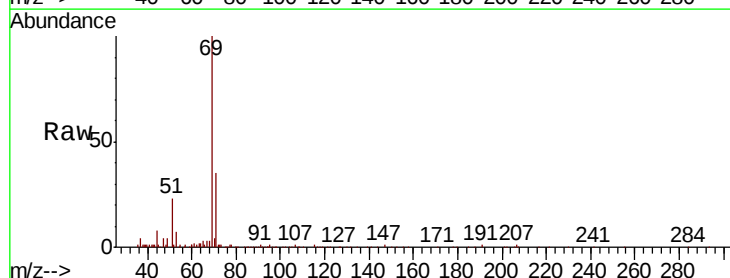
Acq: 28 Sep 2020 22:08

Tgt Ion: 64 Resp: 884

Ion Ratio Lower Upper

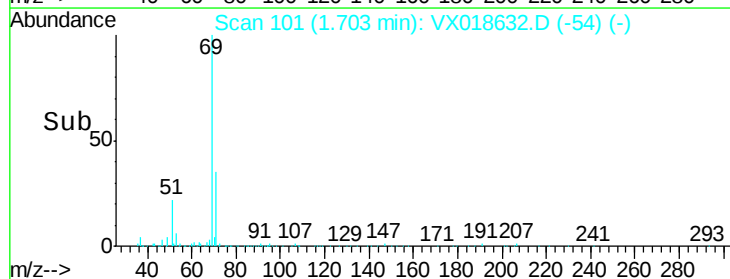
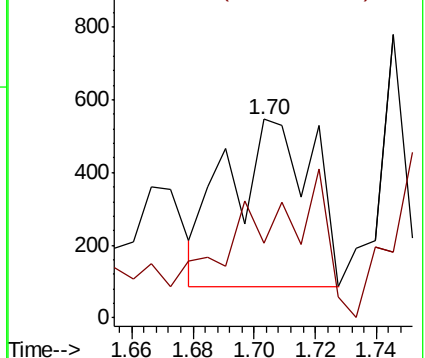
64 100

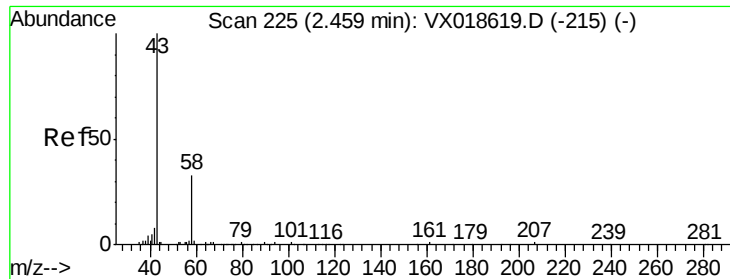
66 37.9 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0





#13

Acetone

Concen: 6.723 ug/L

RT: 2.44 min Scan# 222

Delta R.T. -0.02 min

Lab File: VX018632.D

Acq: 28 Sep 2020 22:08

Instrument :

MSVOA_X

ClientSampleId :

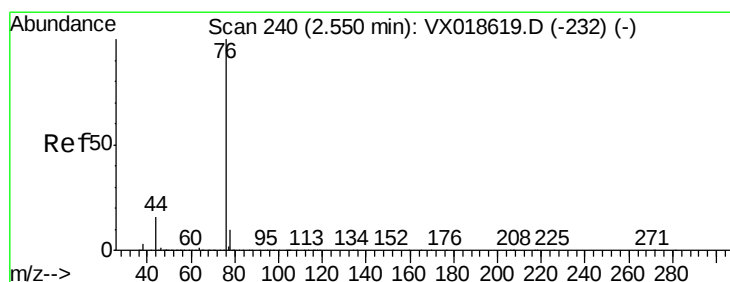
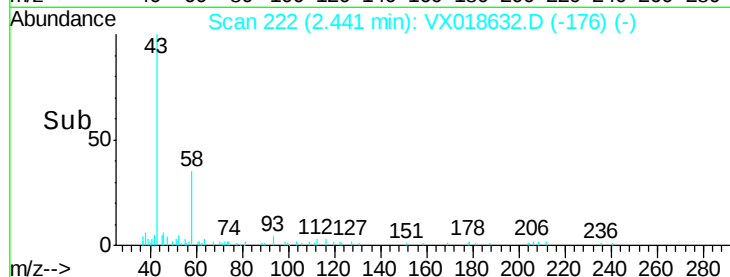
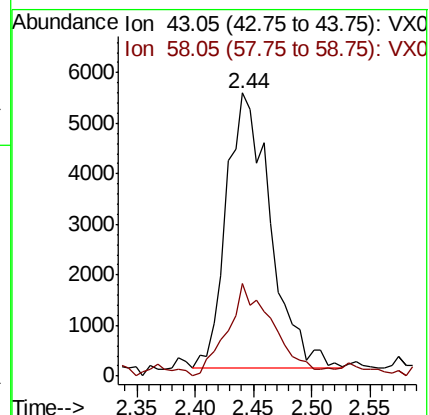
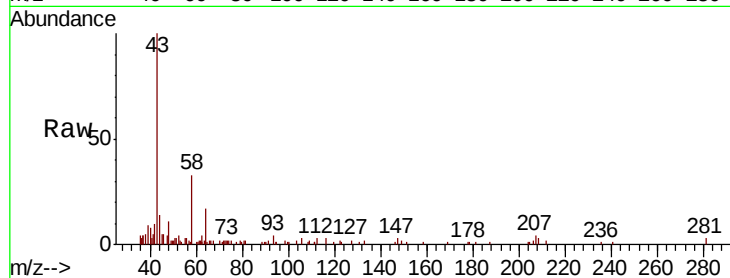
BG4A5

Tot Ion: 43 Resp: 14259

Ion Ratio Lower Upper

43 100

58 35.1 0.0 61.6



#14

Carbon disulfide

Concen: 0.082 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018632.D

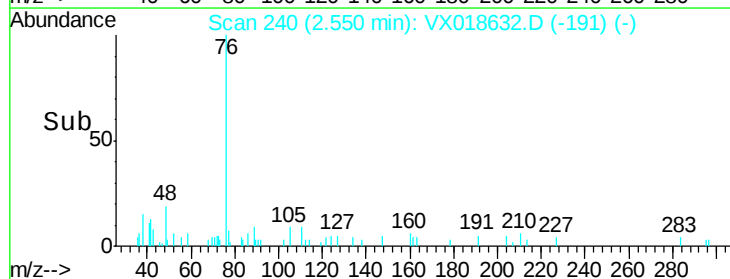
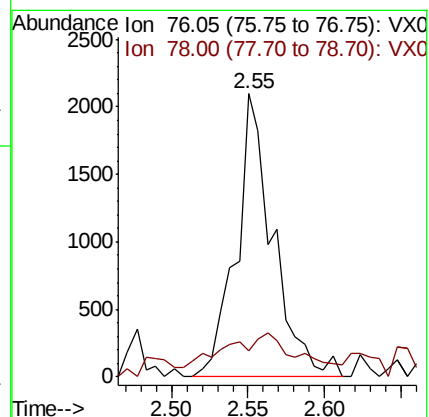
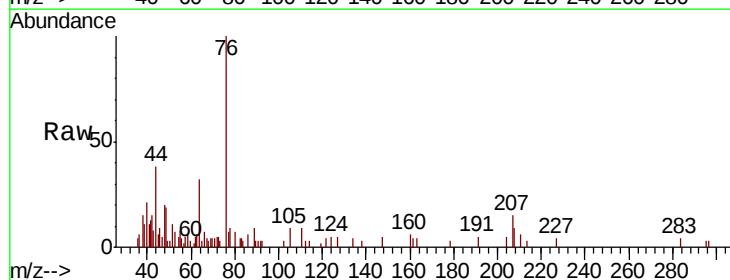
Acq: 28 Sep 2020 22:08

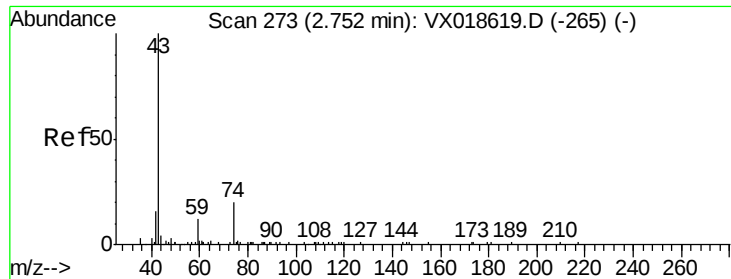
Tgt Ion: 76 Resp: 3507

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

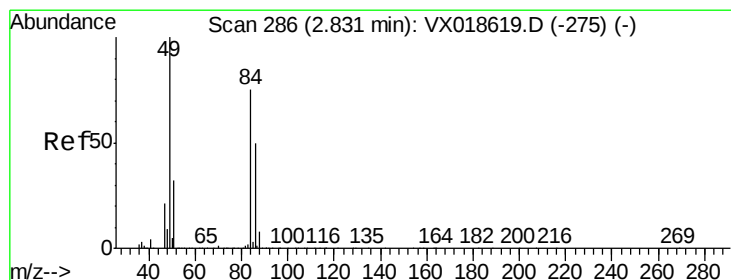
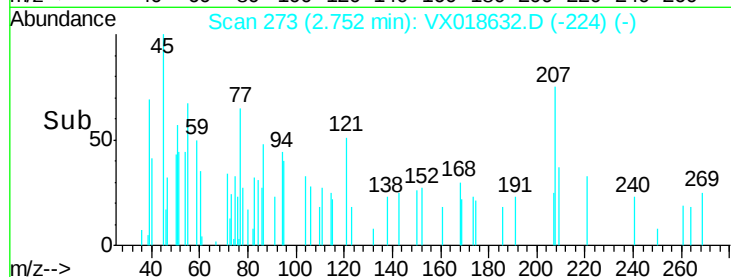
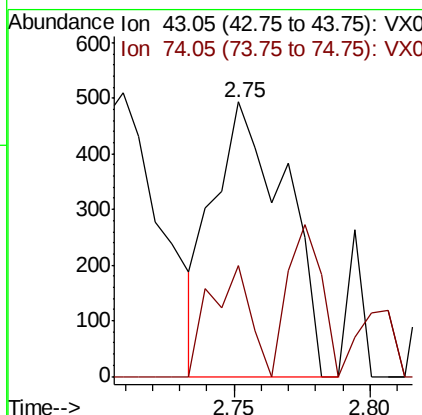
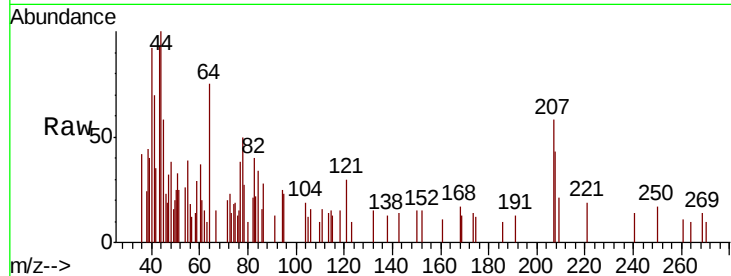




#15
Methvl Acetate
Concen: 0.155 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018632.D
Acq: 28 Sep 2020 22:08

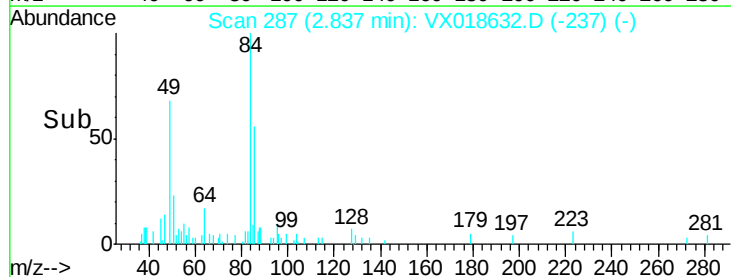
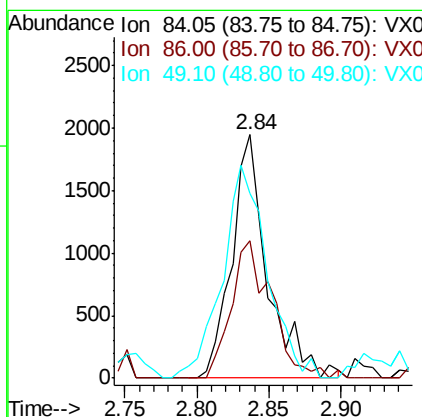
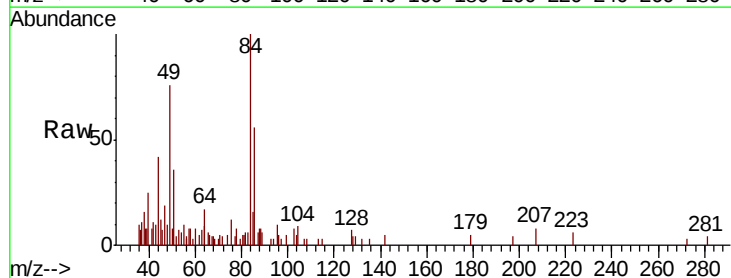
Instrument :
MSVOA_X
ClientSampled :
BG4A5

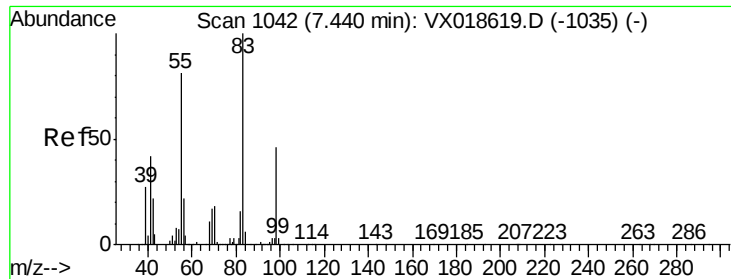
Tot Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
74 22.6 21.2 31.8



#16
Methylene chloride
Concen: 0.177 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018632.D
Acq: 28 Sep 2020 22:08

Tgt Ion: 84 Resp: 3385
Ion Ratio Lower Upper
84 100
86 56.3 41.9 77.7
49 75.8 80.8 150.2#

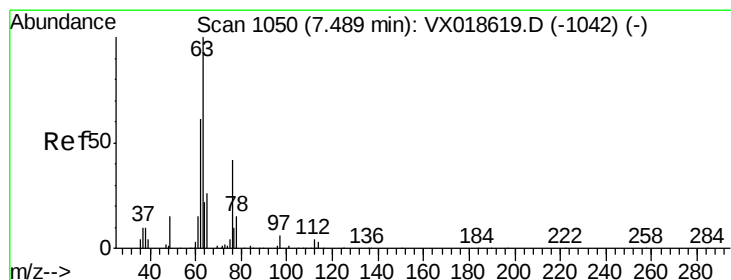
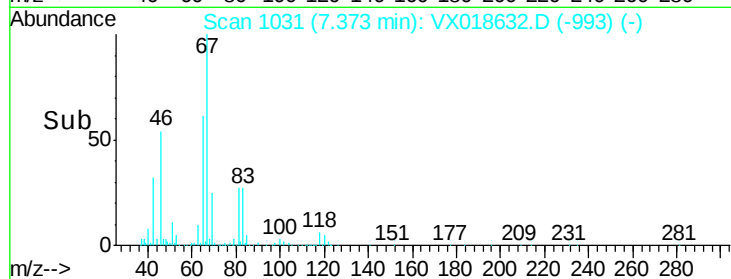
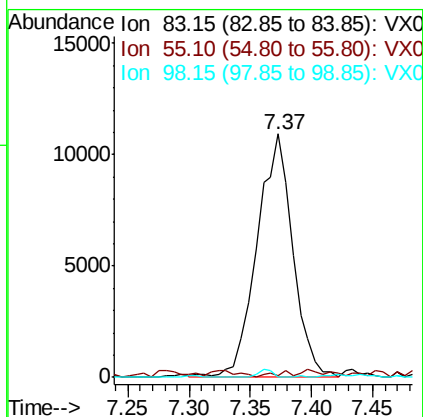
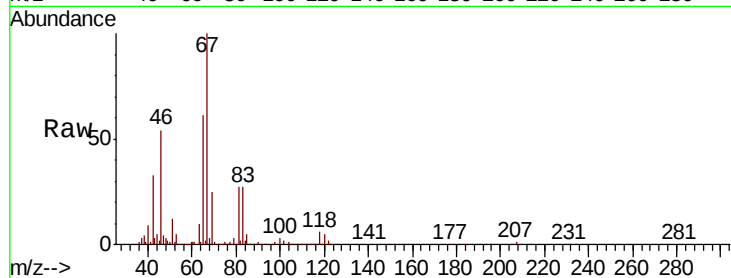




#35
Methvlcvclohexane
Concen: 1.075 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.07 min
Lab File: VX018632.D
Acq: 28 Sep 2020 22:08

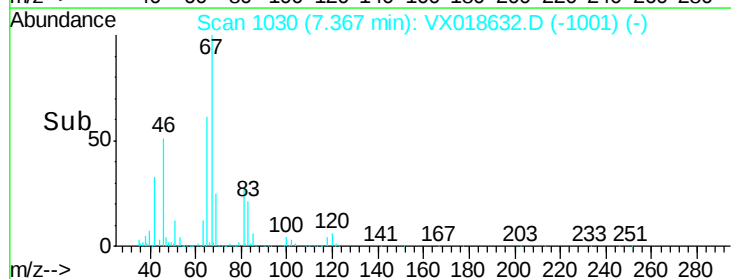
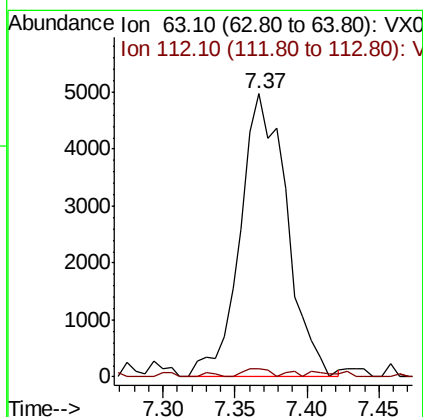
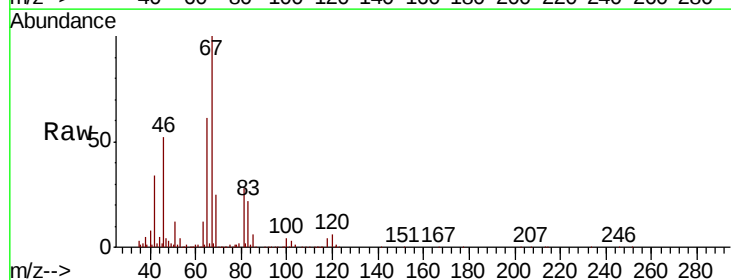
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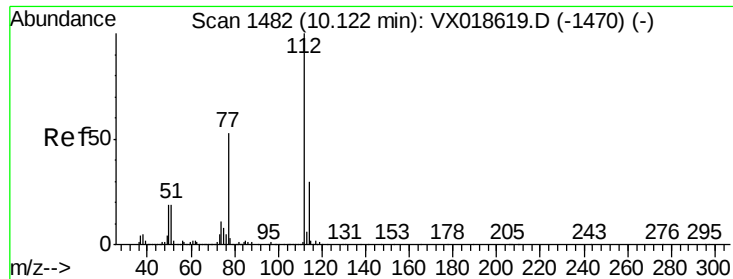
Tot Ion: 83 Resp: 22252
Ion Ratio Lower Upper
83 100
55 1.4 67.4 101.0#
98 1.3 41.1 61.7#



#37
1,2-Dichloropropane
Concen: 0.814 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VX018632.D
Acq: 28 Sep 2020 22:08

Tgt Ion: 63 Resp: 11181
Ion Ratio Lower Upper
63 100
112 1.6 4.1 6.1#





#53

Chlorobenzene

Concen: 0.443 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018632.D

Acq: 28 Sep 2020 22:08

Instrument :

MSVOA_X

ClientSampleId :

BG4A5

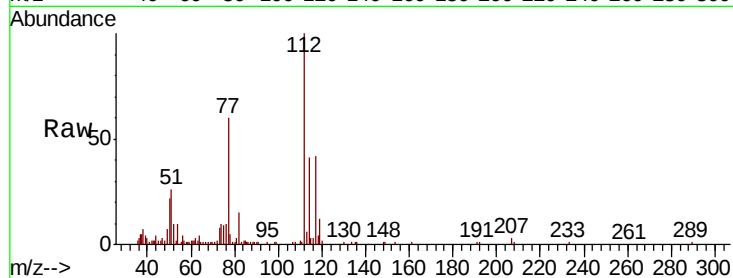
Tot Ion:112 Resp: 16251

Ion Ratio Lower Upper

112 100

114 40.7 20.6 38.4#

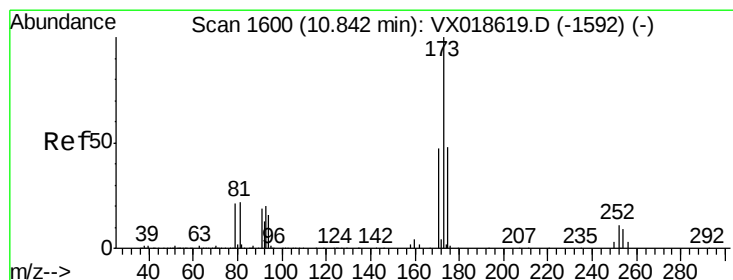
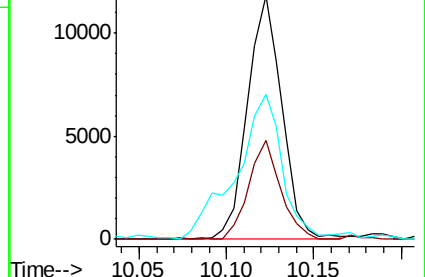
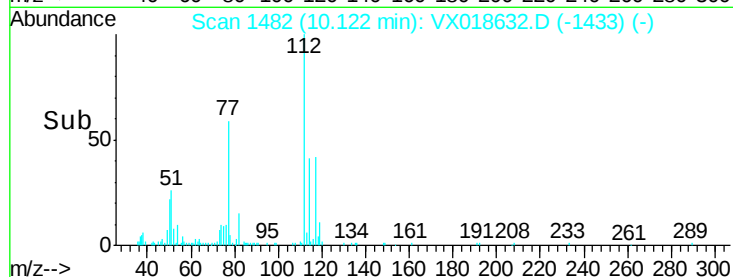
77 59.6 46.6 69.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#62

Bromoform

Concen: 0.136 ug/L

RT: 10.84 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VX018632.D

Acq: 28 Sep 2020 22:08

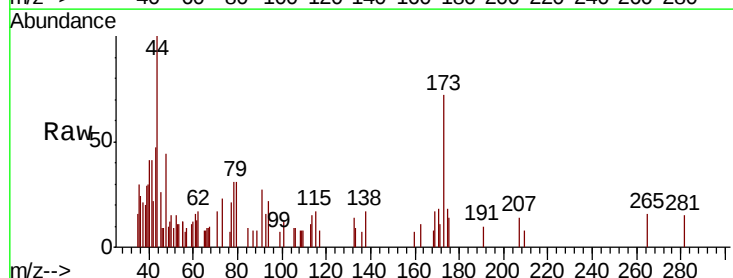
Tgt Ion:173 Resp: 941

Ion Ratio Lower Upper

173 100

175 23.7 41.6 62.4#

254 3.7 7.7 11.5#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

