

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092820\
 Data File : VX018625.D
 Acq On : 28 Sep 2020 19:19
 Operator : JC/SP
 Sample : L4135-05
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG4A9

Quant Time: Sep 29 02:39:16 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	250736	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	239267	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	109658	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57976	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.70	69	50740	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.34	63	105462	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	4.54	46	164102	49.05	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.10%
24) Chloroform-d	5.14	84	140594	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	6.03	65	77276	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
32) Benzene-d6	6.05	84	258686	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	7.37	67	80629	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	8.70	98	236876	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
45) trans-1,3-Dichloropropene-	8.99	79	33539	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
48) 2-Hexanone-d5	9.43	63	126925	47.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.70%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	58513	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	88811	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

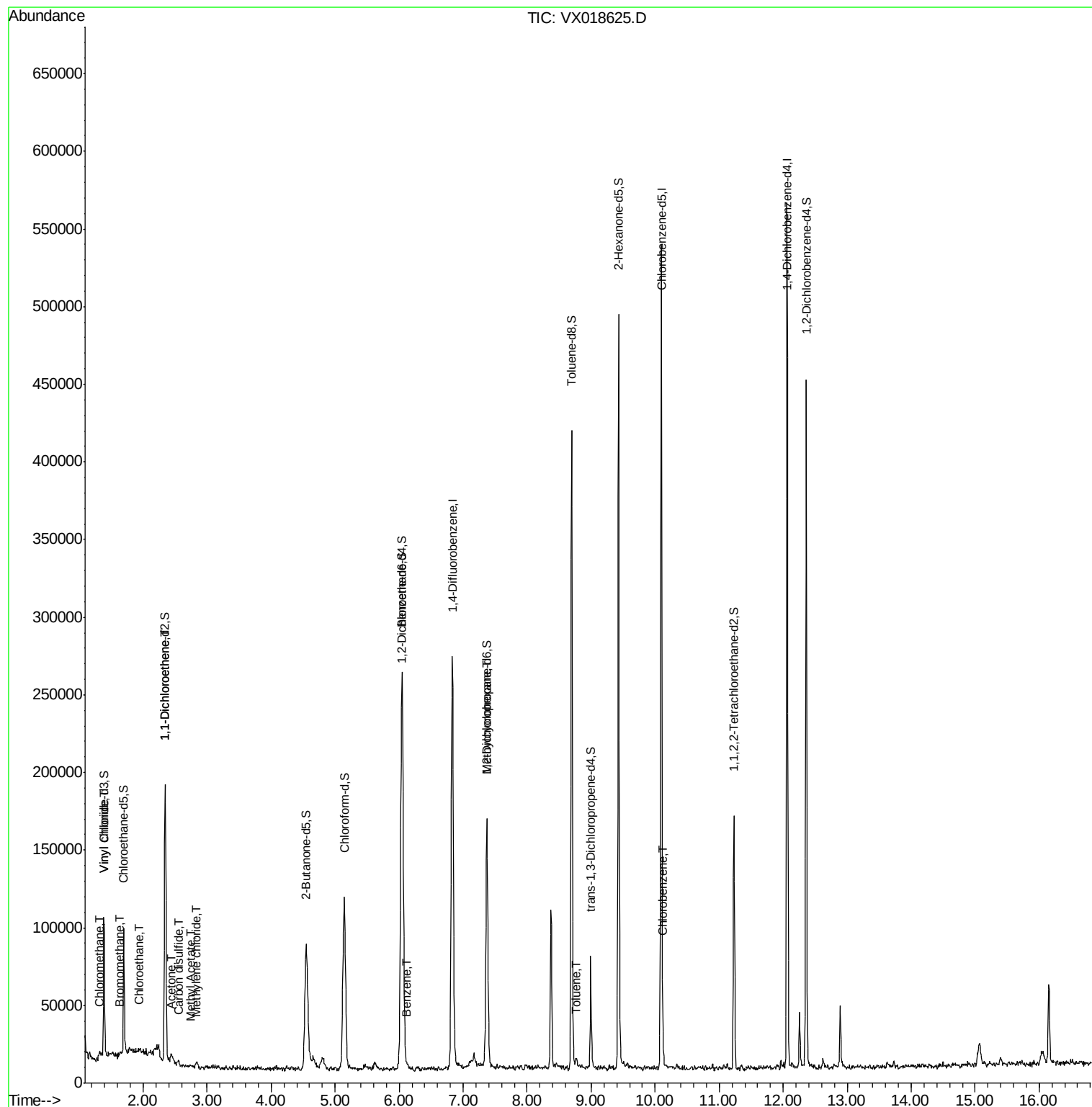
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.31	50	1725	0.133	ug/L #	61
5) Vinyl chloride	1.39	62	996	0.073	ug/L #	1
6) Bromomethane	1.64	94	1393	0.172	ug/L	78
8) Chloroethane	1.94	64	673	0.090	ug/L	86
12) 1,1-Dichloroethene	2.35	96	1386	0.113	ug/L #	1
13) Acetone	2.45	43	12337	6.662	ug/L	84
14) Carbon disulfide	2.55	76	4738	0.127	ug/L #	79
15) Methyl Acetate	2.75	43	432	0.084	ug/L	91
16) Methylene chloride	2.84	84	2265	0.135	ug/L	96
33) Benzene	6.12	78	2357	0.051	ug/L	100
35) Methylcyclohexane	7.37	83	19855	1.069	ug/L #	17
42) Toluene	8.77	91	3621	0.073	ug/L	90
53) Chlorobenzene	10.12	112	4783	0.145	ug/L	91

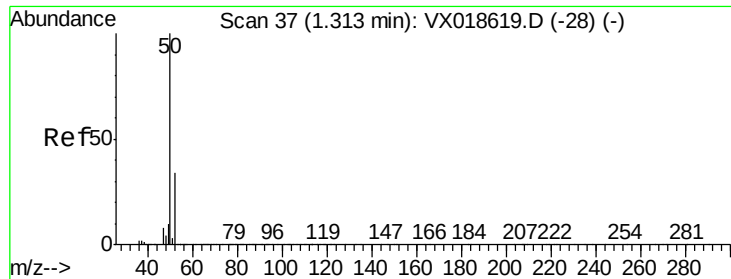
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.133 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018625.D

Acq: 28 Sep 2020 19:19

Instrument :

MSVOA_X

ClientSampled :

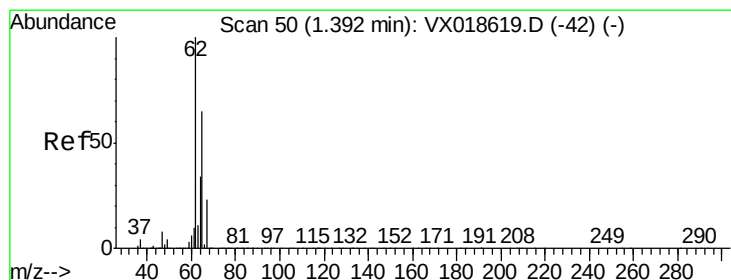
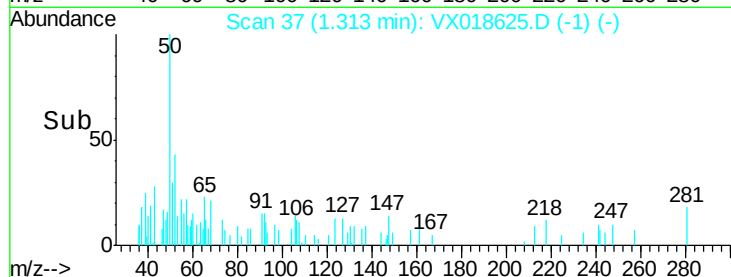
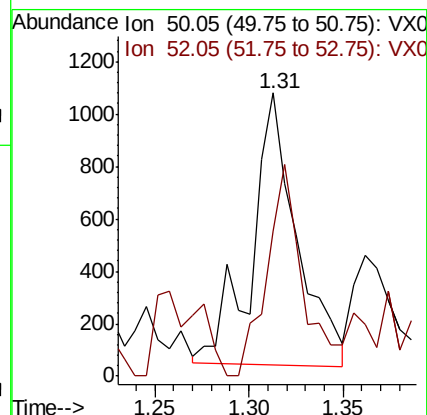
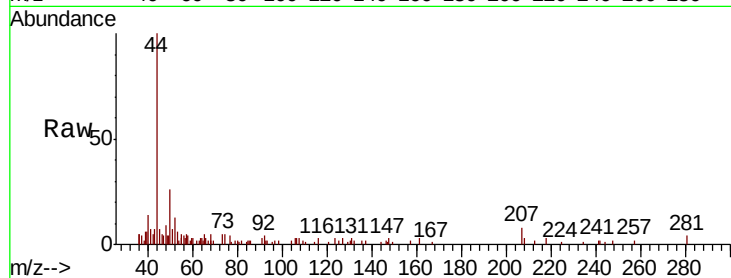
BG4A9

Tot Ion: 50 Resp: 1725

Ion Ratio Lower Upper

50 100

52 51.5 21.2 39.4#



#5

Vinyl chloride

Concen: 0.073 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018625.D

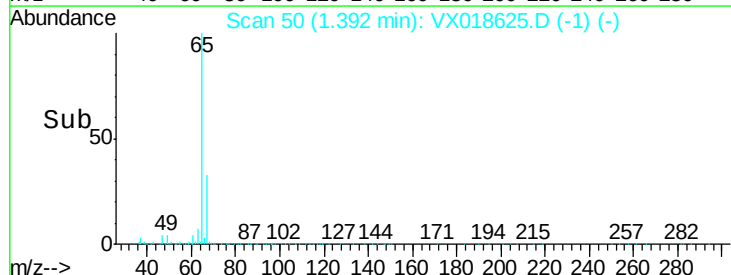
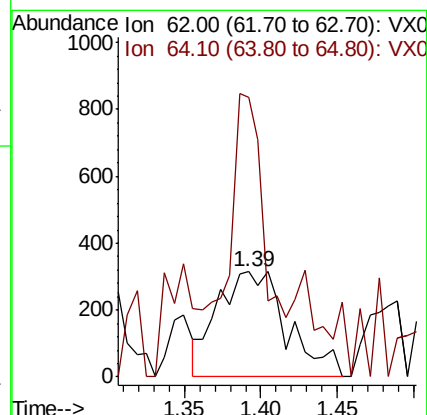
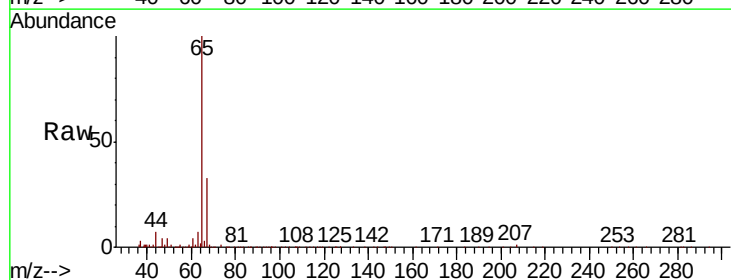
Acq: 28 Sep 2020 19:19

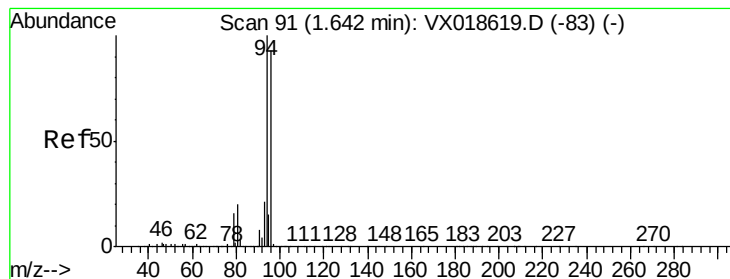
Tgt Ion: 62 Resp: 996

Ion Ratio Lower Upper

62 100

64 266.2 23.6 43.8#





#6

Bromomethane

Concen: 0.172 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX018625.D

Acq: 28 Sep 2020 19:19

Instrument :

MSVOA_X

ClientSampled :

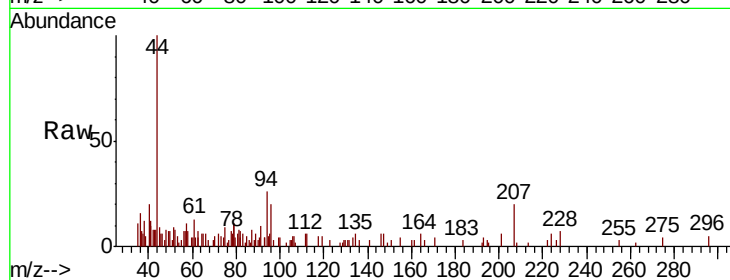
BG4A9

Tot Ion: 94 Resp: 1393

Ion Ratio Lower Upper

94 100

96 75.0 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

800

600

400

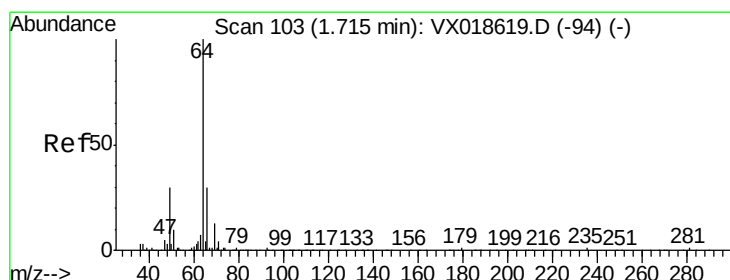
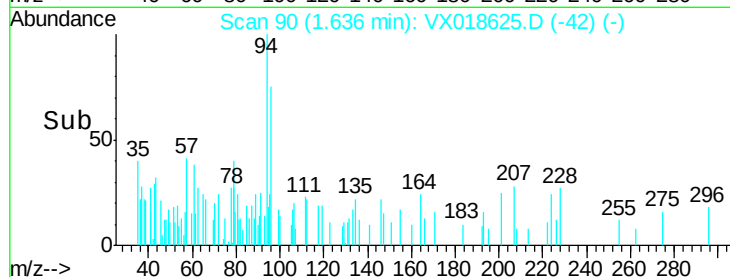
200

0

1.64

1.65

Time-->



#8

Chloroethane

Concen: 0.090 ug/L

RT: 1.94 min Scan# 140

Delta R.T. 0.23 min

Lab File: VX018625.D

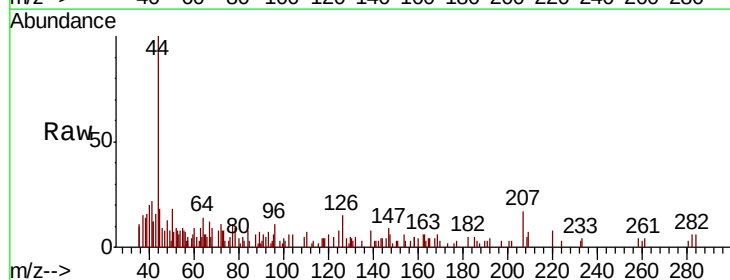
Acq: 28 Sep 2020 19:19

Tgt Ion: 64 Resp: 673

Ion Ratio Lower Upper

64 100

66 24.1 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0

600

400

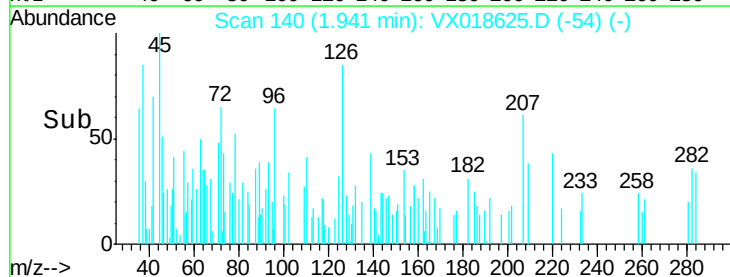
200

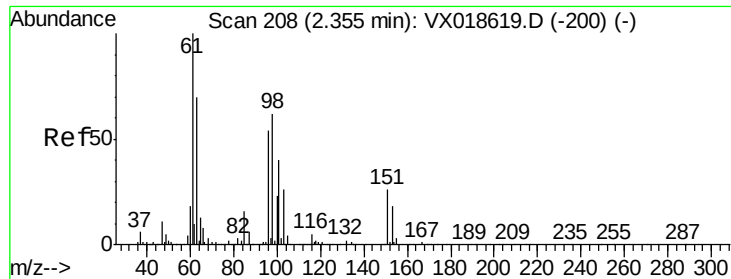
0

1.94

1.96

Time-->

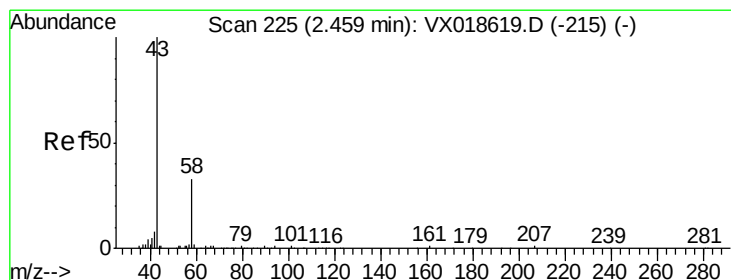
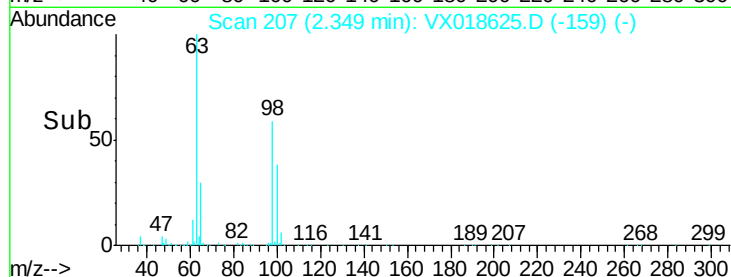
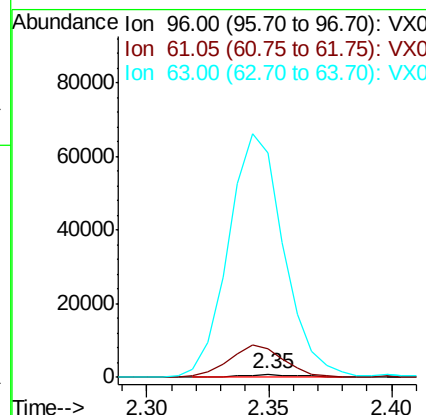
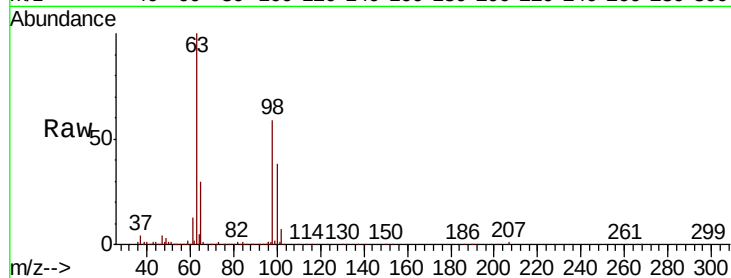




#12
 1,1-Dichloroethene
 Concen: 0.113 ug/L
 RT: 2.35 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VX018625.D
 Acq: 28 Sep 2020 19:19

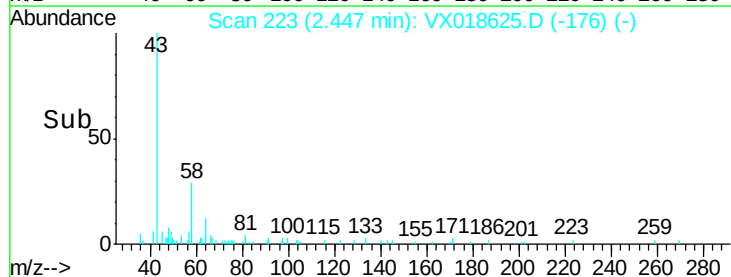
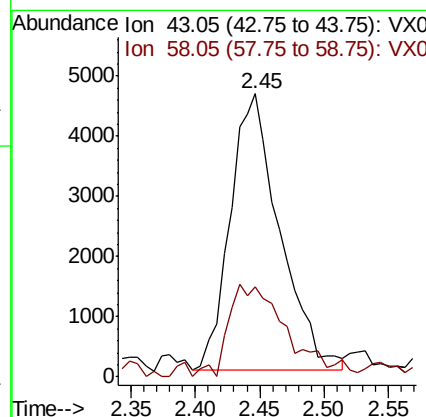
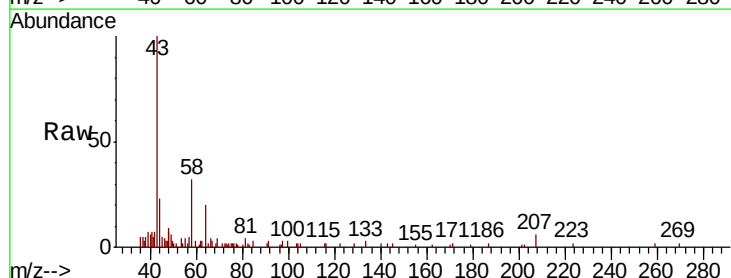
Instrument :
 MSVOA_X
 ClientSampleId :
 BG4A9

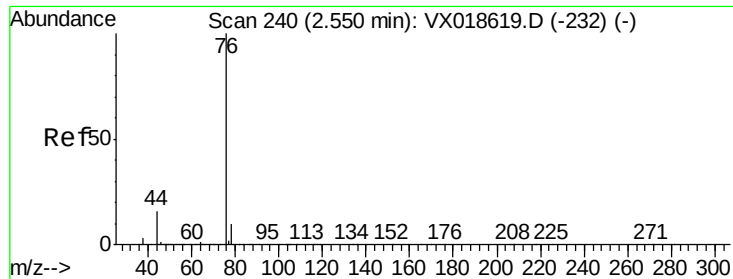
Tot Ion: 96 Resp: 1386
 Ion Ratio Lower Upper
 96 100
 61 873.7 123.8 229.8#
 63 6955.5 104.7 194.4#



#13
 Acetone
 Concen: 6.662 ug/L
 RT: 2.45 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VX018625.D
 Acq: 28 Sep 2020 19:19

Tgt Ion: 43 Resp: 12337
 Ion Ratio Lower Upper
 43 100
 58 39.7 0.0 61.6





#14

Carbon disulfide

Concen: 0.127 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018625.D

Acq: 28 Sep 2020 19:19

Instrument :

MSVOA_X

ClientSampleId :

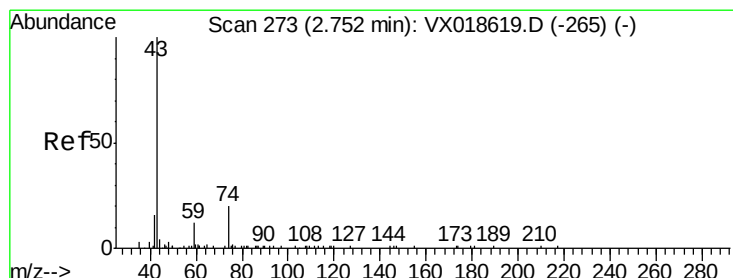
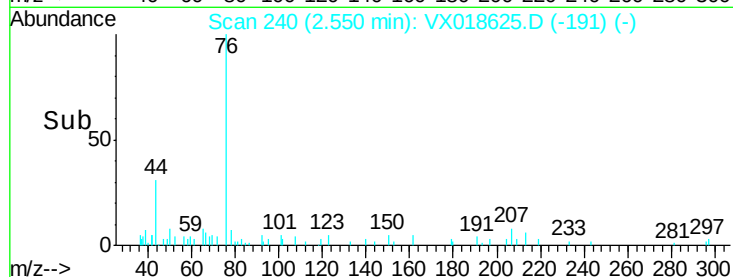
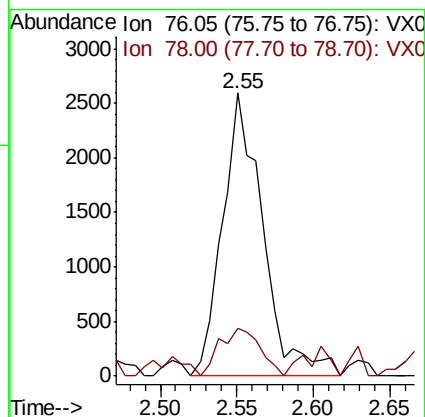
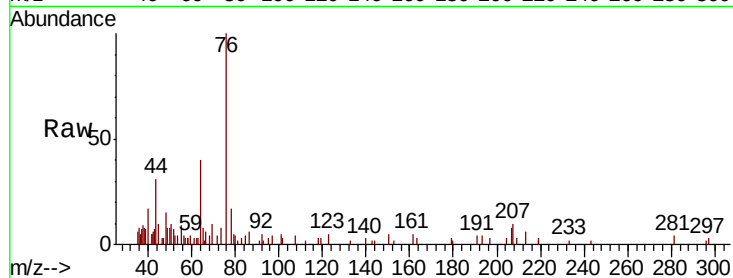
BG4A9

Tot Ion: 76 Resp: 4738

Ion Ratio Lower Upper

76 100

78 16.7 7.4 11.0#



#15

Methyl Acetate

Concen: 0.084 ug/L

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX018625.D

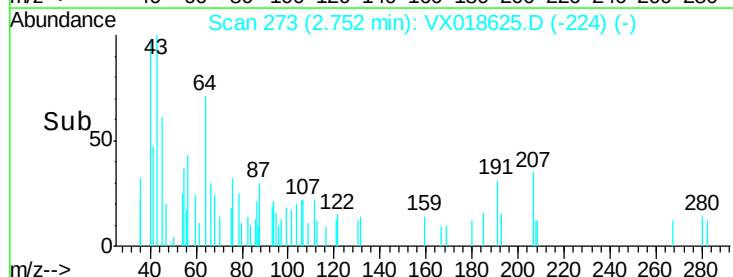
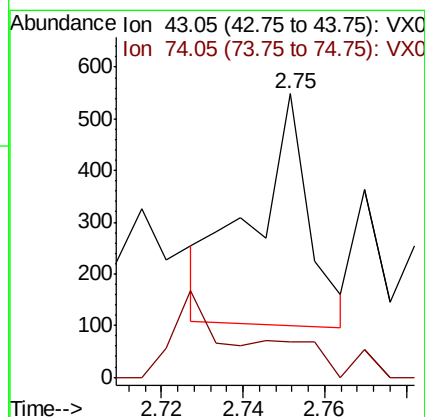
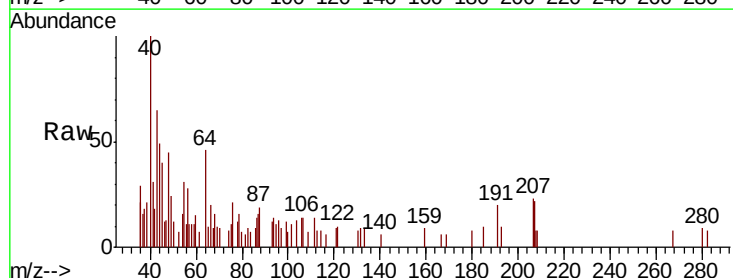
Acq: 28 Sep 2020 19:19

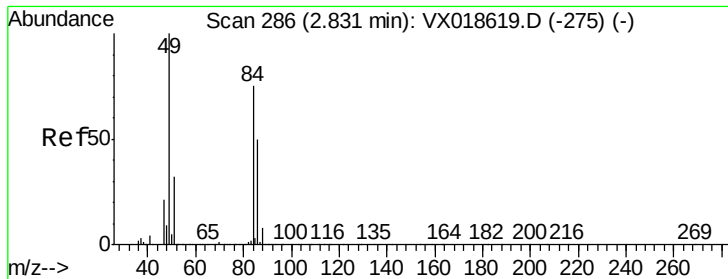
Tgt Ion: 43 Resp: 432

Ion Ratio Lower Upper

43 100

74 22.0 21.2 31.8

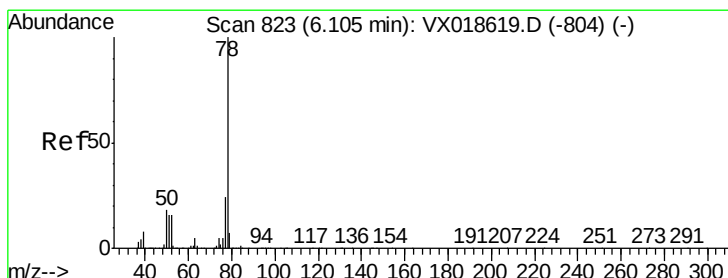
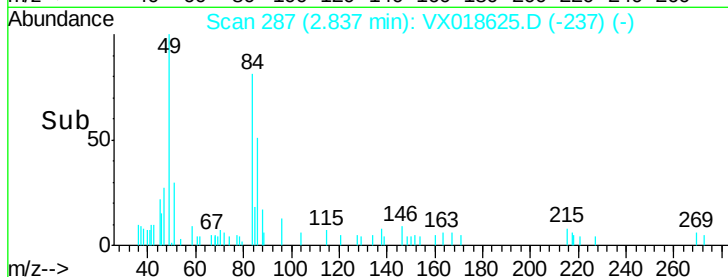
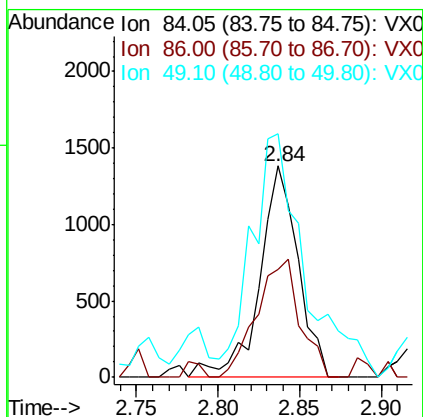
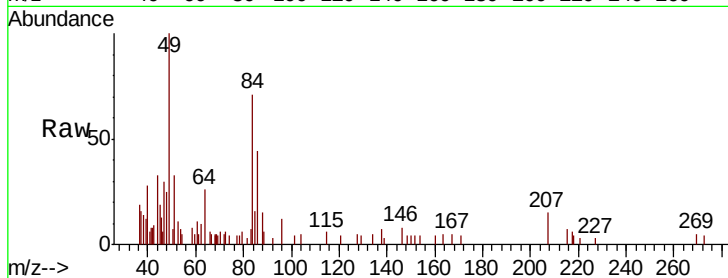




#16
Methylene chloride
Concen: 0.135 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018625.D
Acq: 28 Sep 2020 19:19

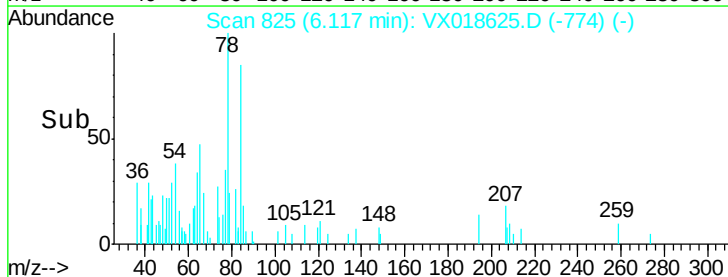
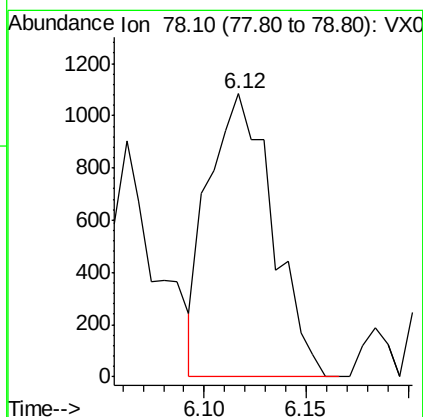
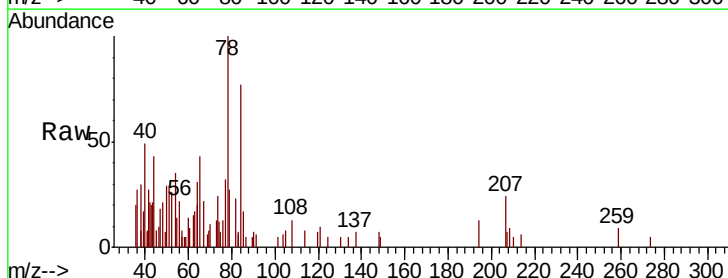
Instrument :
MSVOA_X
ClientSampled :
BG4A9

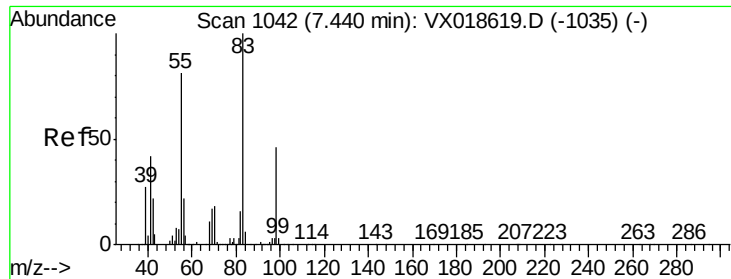
Tot Ion: 84 Resp: 2265
Ion Ratio Lower Upper
84 100
86 51.2 41.9 77.7
49 115.3 80.8 150.2



#33
Benzene
Concen: 0.051 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX018625.D
Acq: 28 Sep 2020 19:19

Tgt Ion: 78 Resp: 2357

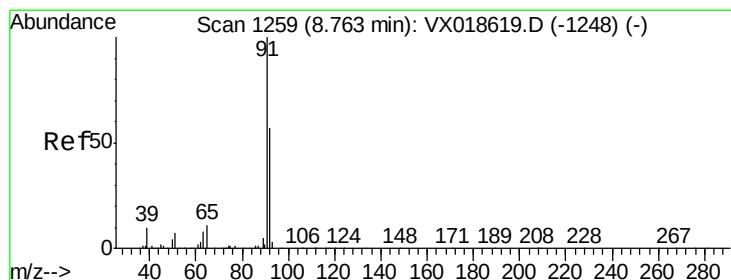
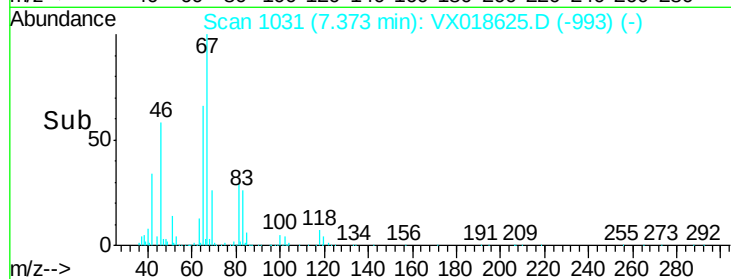
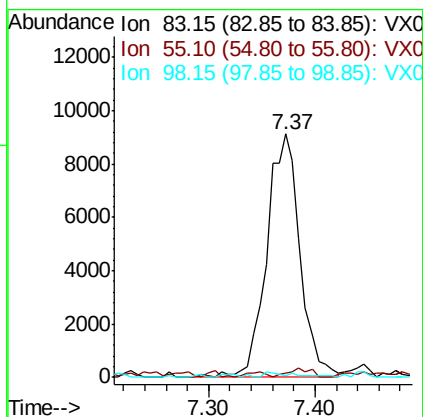
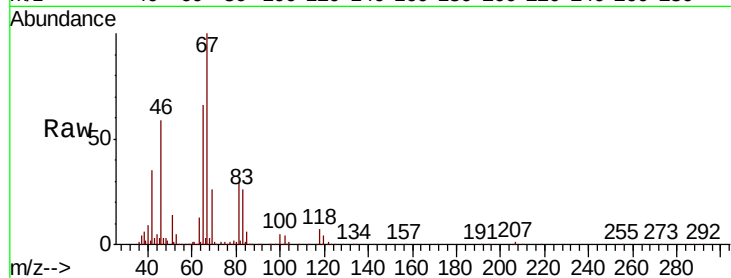




#35
Methylvlcyclohexane
Concen: 1.069 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.07 min
Lab File: VX018625.D
Acq: 28 Sep 2020 19:19

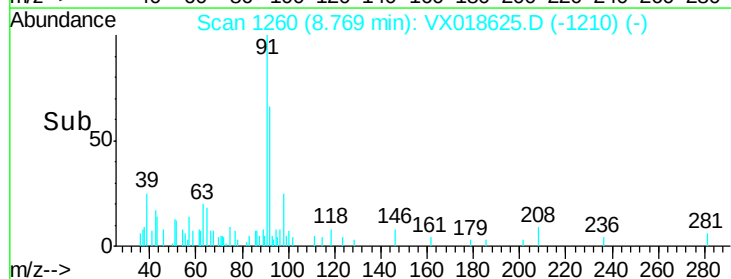
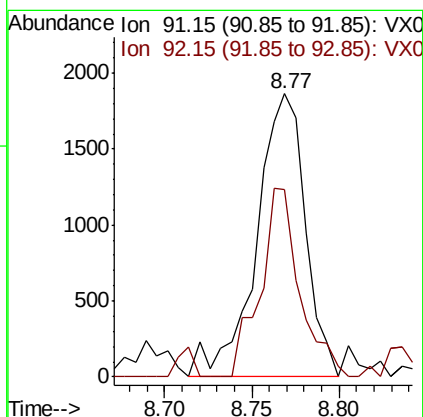
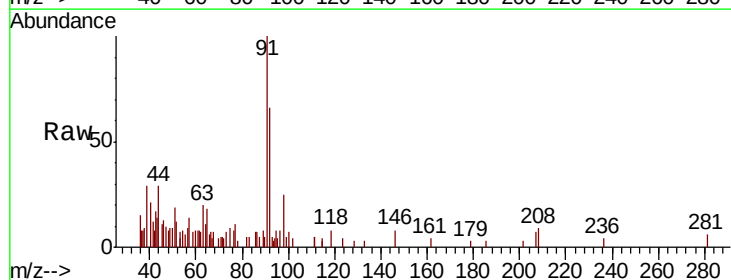
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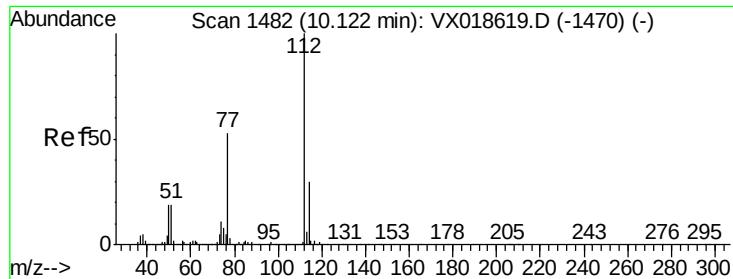
Tot Ion	Ratio	Lower	Upper
83	100		
55	2.5	67.4	101.0#
98	0.7	41.1	61.7#



#42
Toluene
Concen: 0.073 ug/L
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX018625.D
Acq: 28 Sep 2020 19:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.0	41.1	76.3





#53

Chlorobenzene

Concen: 0.145 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018625.D

Acq: 28 Sep 2020 19:19

Instrument :

MSVOA_X

ClientSampleId :

BG4A9

Tot Ion:112 Resp: 4783

Ion Ratio Lower Upper

112 100

114 31.5 20.6 38.4

77 66.4 46.6 69.8

