

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092820\
 Data File : VX018633.D
 Acq On : 28 Sep 2020 22:33
 Operator : JC/SP
 Sample : L4135-13
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG4A8

Quant Time: Sep 29 05:35:22 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	302643	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	281641	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	144129	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	63344	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.70	69	57727	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.34	63	117086	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	4.56	46	180949	44.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.62%
24) Chloroform-d	5.14	84	158469	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	6.03	65	84451	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
32) Benzene-d6	6.05	84	288912	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	7.37	67	91720	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	8.70	98	279426	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
45) trans-1,3-Dichloropropene-	8.99	79	38169	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
48) 2-Hexanone-d5	9.43	63	160336	50.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.64%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	71614	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	113269	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.31	50	2127	0.136	ug/L	99
8) Chloroethane	1.72	64	317817	35.269	ug/L	100
14) Carbon disulfide	2.55	76	6917	0.154	ug/L	96
16) Methylene chloride	2.84	84	5650	0.280	ug/L	92
18) trans-1,2-Dichloroethene	3.14	96	4451	0.301	ug/L	90
30) Cyclohexane	5.54	56	78540	3.680	ug/L	94
33) Benzene	6.12	78	7486765	137.874	ug/L	100
35) Methylcyclohexane	7.44	83	39563	1.810	ug/L #	84
42) Toluene	8.76	91	65630	1.119	ug/L	97
53) Chlorobenzene	10.12	112	20015861	516.587	ug/L #	46
54) Ethylbenzene	10.24	91	154618	2.420	ug/L	98
55) m,p-xylene	10.34	106	123854	5.070	ug/L	94
56) o-xylene	10.68	106	481531	20.861	ug/L	88
58) Isopropylbenzene	11.00	105	3602977	58.215	ug/L	99
63) 1,3-Dichlorobenzene	12.01	146	67581	2.157	ug/L	94
64) 1,4-Dichlorobenzene	12.08	146	473063	14.947	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	188314	6.451	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 02:30:52 2020
Response via : Initial Calibration

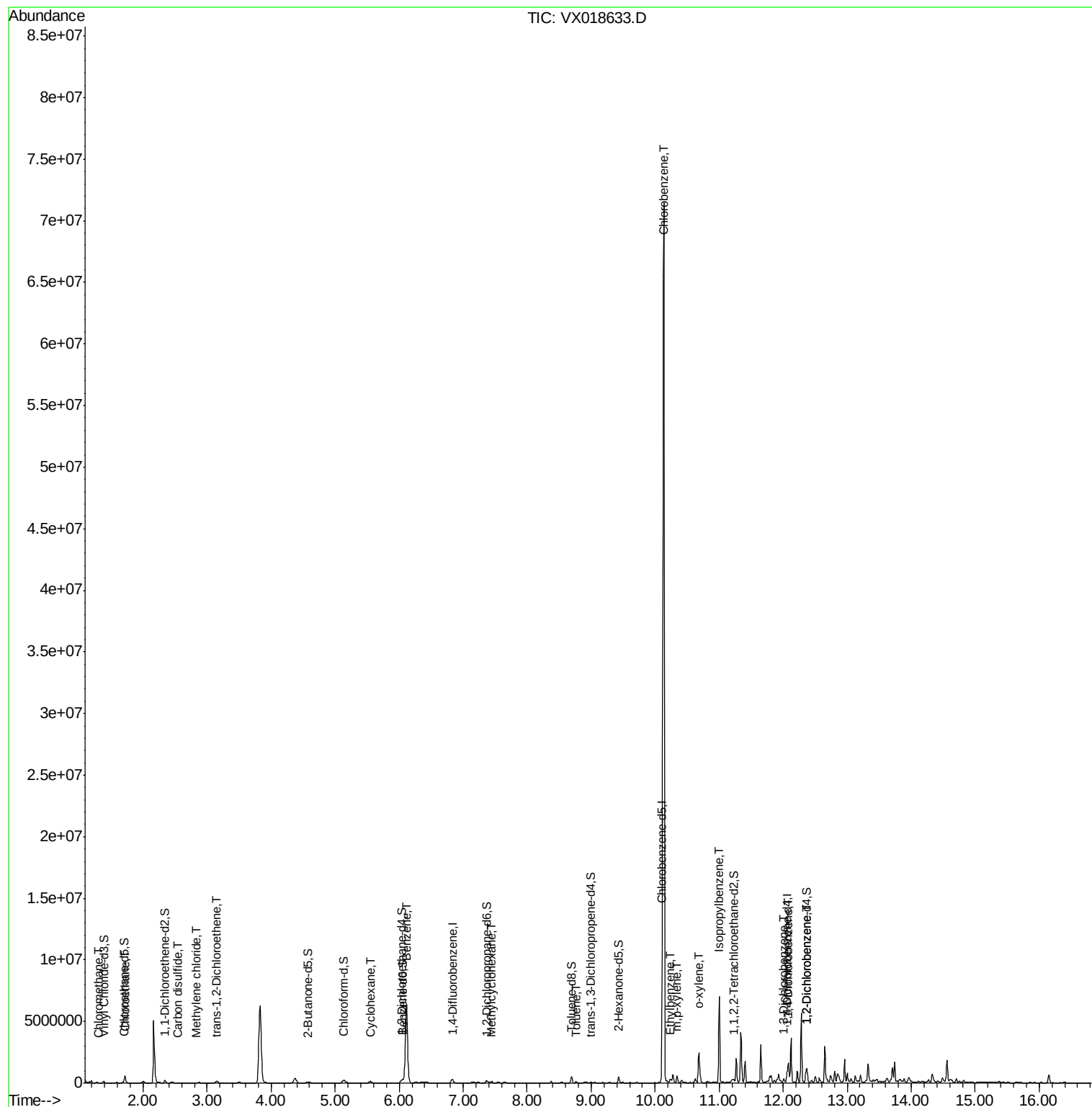
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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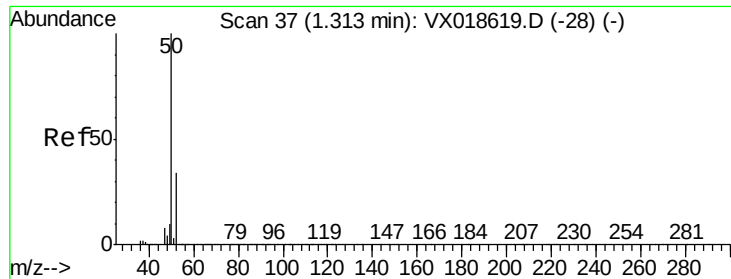
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.136 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.01 min

Lab File: VX018633.D

Acq: 28 Sep 2020 22:33

Instrument :

MSVOA_X

ClientSampleId :

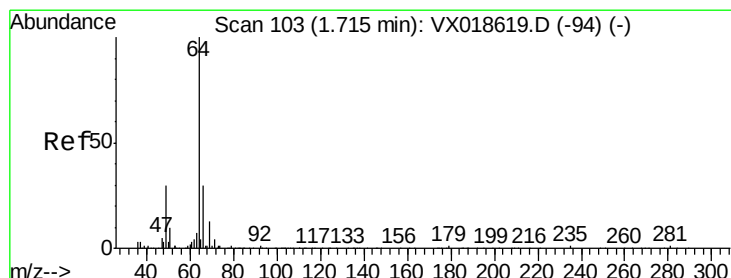
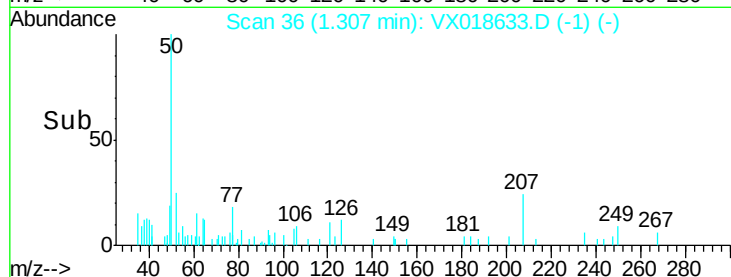
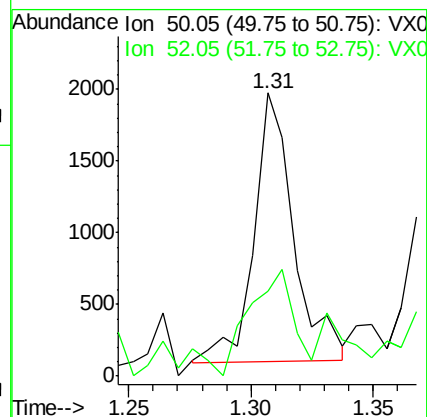
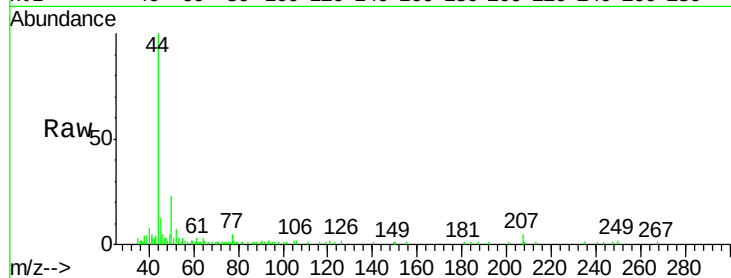
BG4A8

Tot Ion: 50 Resp: 2127

Ion Ratio Lower Upper

50 100

52 30.0 21.2 39.4



#8

Chloroethane

Concen: 35.269 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018633.D

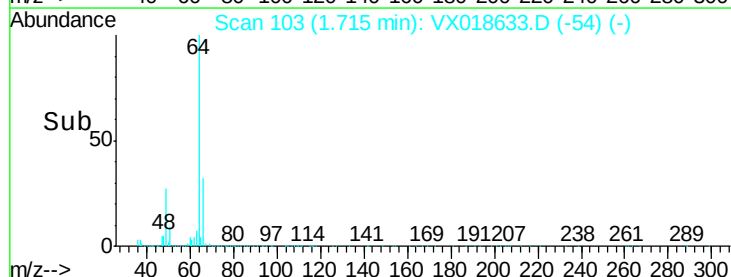
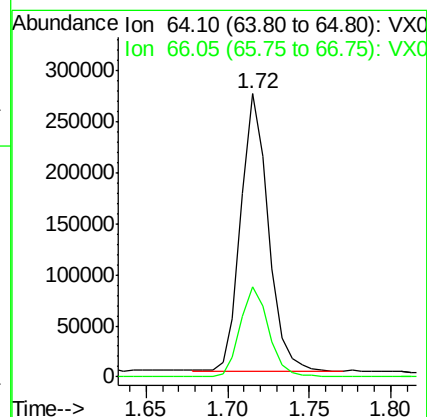
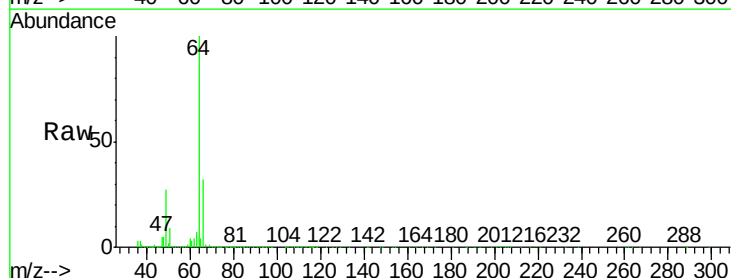
Acq: 28 Sep 2020 22:33

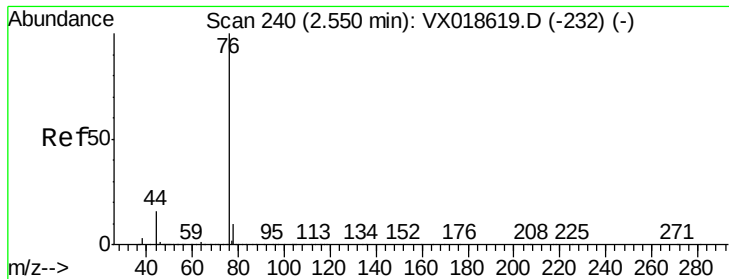
Tgt Ion: 64 Resp: 317817

Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.3





#14

Carbon disulfide

Concen: 0.154 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018633.D

Acq: 28 Sep 2020 22:33

Instrument :

MSVOA_X

ClientSampled :

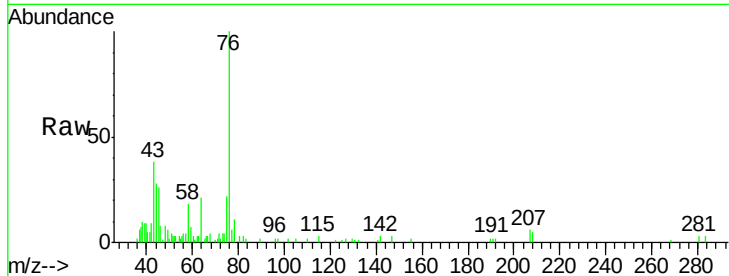
BG4A8

Tot Ion: 76 Resp: 6917

Ion Ratio Lower Upper

76 100

78 10.5 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

2.55

4000

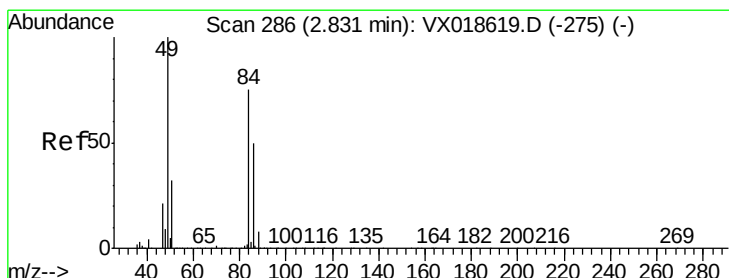
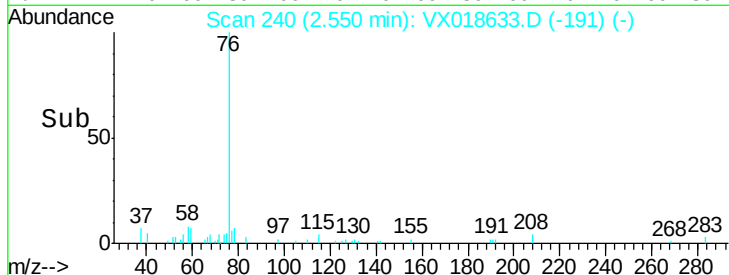
3000

2000

1000

0

Time-->



#16

Methylene chloride

Concen: 0.280 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018633.D

Acq: 28 Sep 2020 22:33

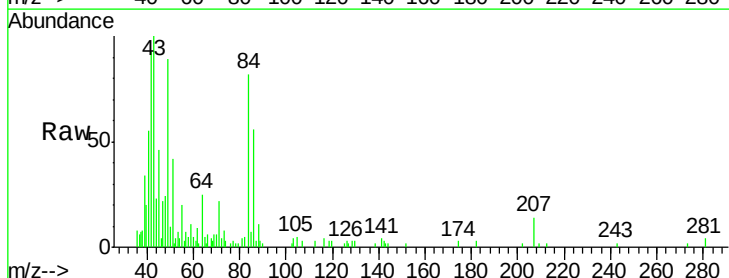
Tgt Ion: 84 Resp: 5650

Ion Ratio Lower Upper

84 100

86 67.3 41.9 77.7

49 107.5 80.8 150.2



Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

4000

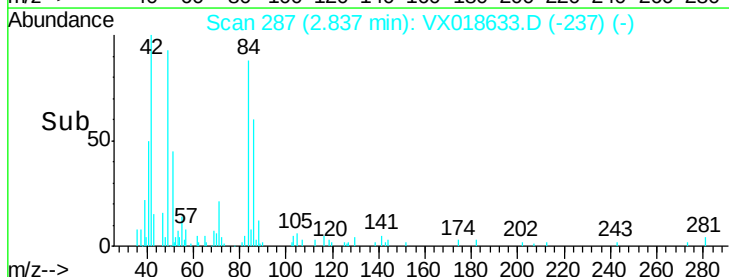
3000

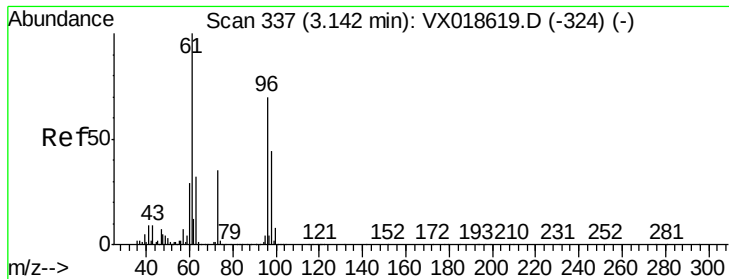
2000

1000

0

Time-->

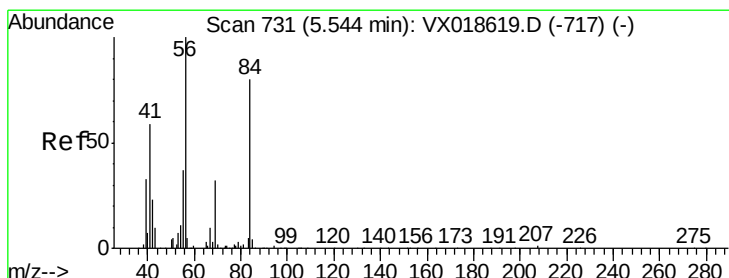
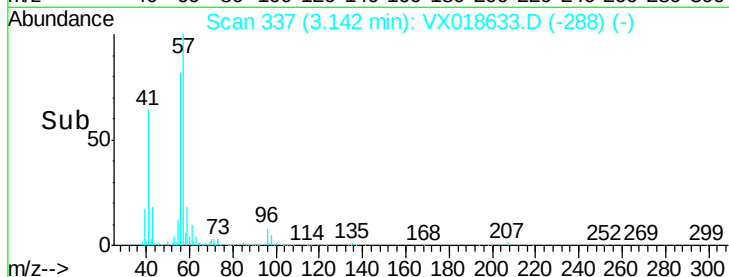
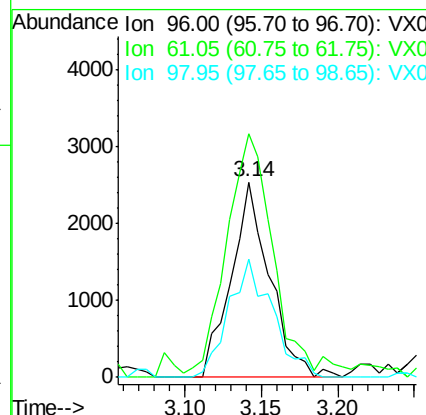
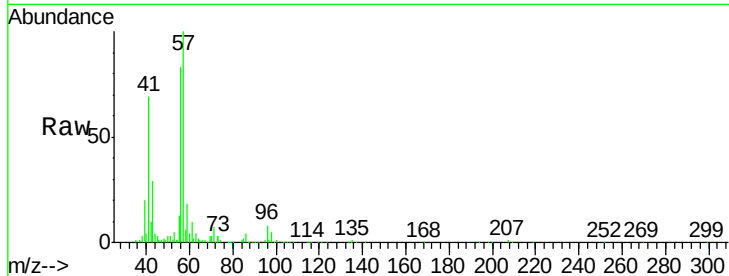




#18
trans-1,2-Dichloroethene
Concen: 0.301 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX018633.D
Acq: 28 Sep 2020 22:33

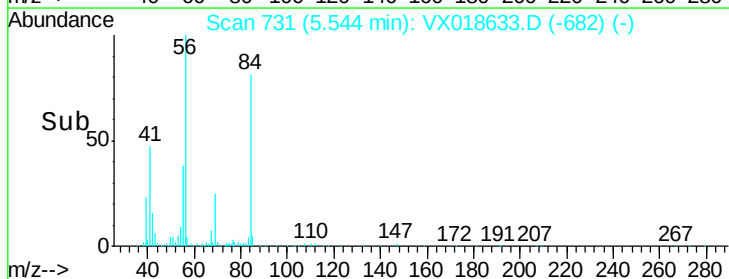
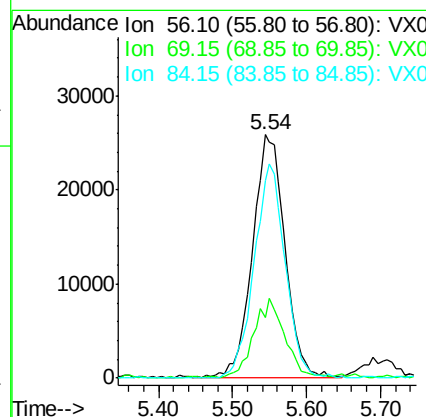
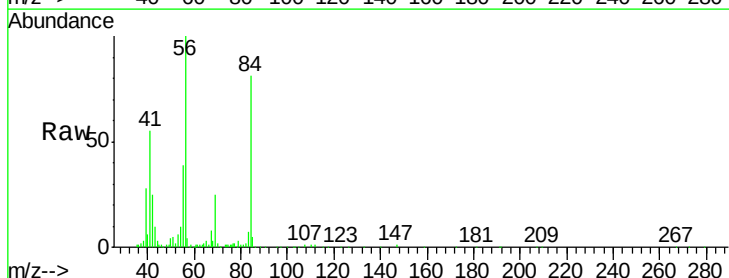
Instrument :
MSVOA_X
ClientSampleId :
BG4A8

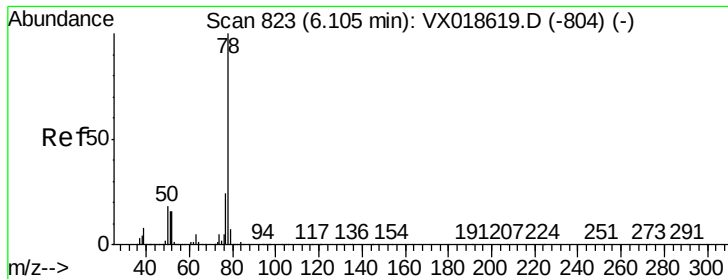
Tot Ion: 96 Resp: 4451
Ion Ratio Lower Upper
96 100
61 124.8 97.3 180.7
98 60.7 46.6 86.6



#30
Cyclohexane
Concen: 3.680 ug/L
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX018633.D
Acq: 28 Sep 2020 22:33

Tgt Ion: 56 Resp: 78540
Ion Ratio Lower Upper
56 100
69 31.0 26.4 39.6
84 84.5 72.7 109.1





#33

Benzene

Concen: 137.874 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018633.D

Acq: 28 Sep 2020 22:33

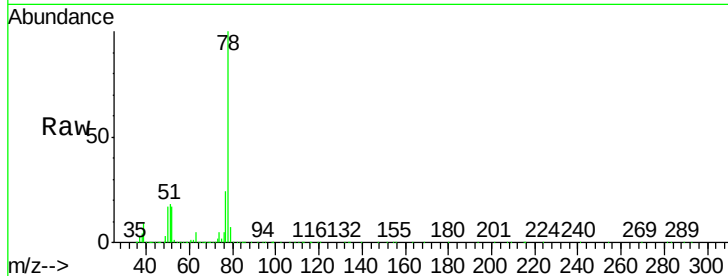
Instrument :

MSVOA_X

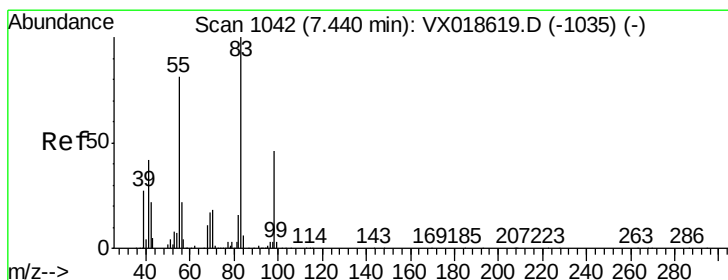
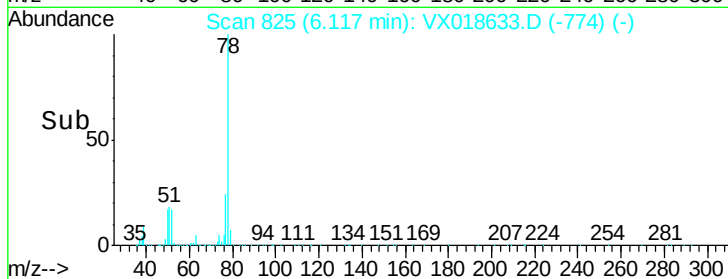
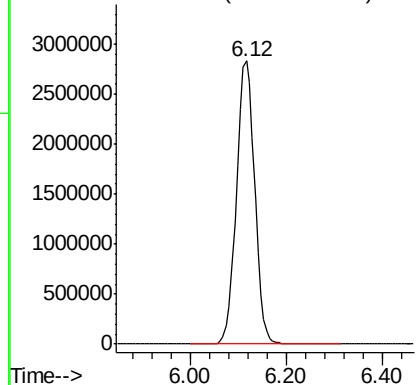
ClientSampleId :

BG4A8

Tgt Ion: 78 Resp: 7486765



Abundance Ion 78.10 (77.80 to 78.80): VX0



#35

Methylcyclohexane

Concen: 1.810 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX018633.D

Acq: 28 Sep 2020 22:33

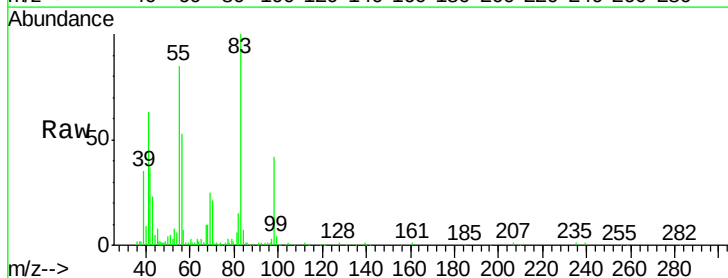
Tgt Ion: 83 Resp: 39563

Ion Ratio Lower Upper

83 100

55 105.3 67.4 101.0#

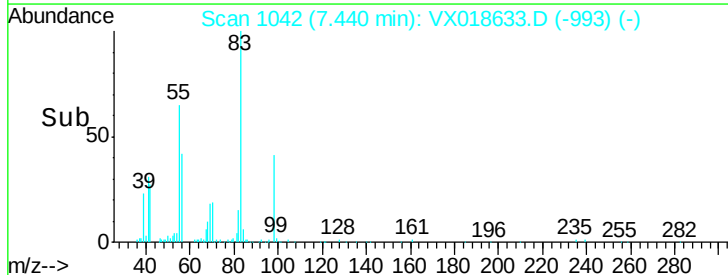
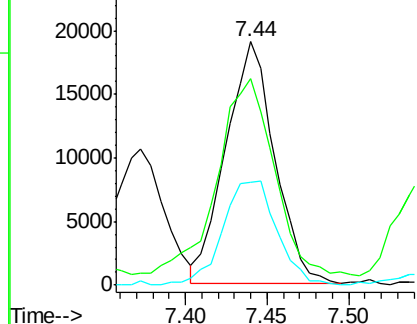
98 47.9 41.1 61.7

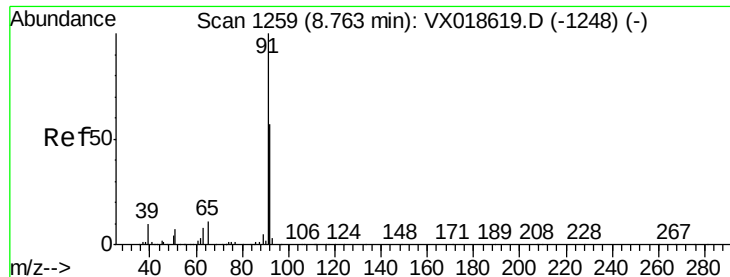


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#42

Toluene

Concen: 1.119 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018633.D

Acq: 28 Sep 2020 22:33

Instrument :

MSVOA_X

ClientSampleId :

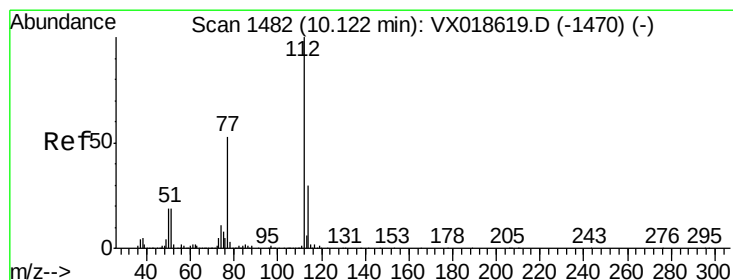
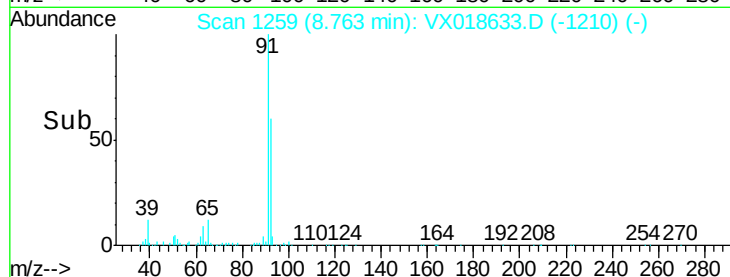
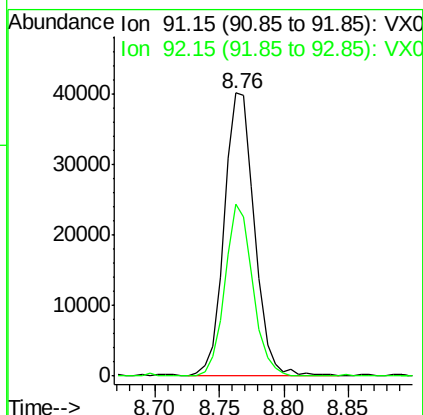
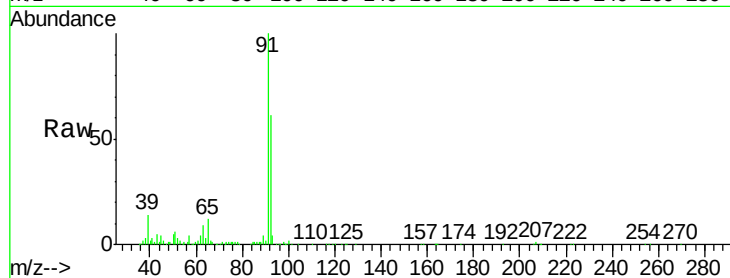
BG4A8

Tot Ion: 91 Resp: 65630

Ion Ratio Lower Upper

91 100

92 60.6 41.1 76.3



#53

Chlorobenzene

Concen: 516.587 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018633.D

Acq: 28 Sep 2020 22:33

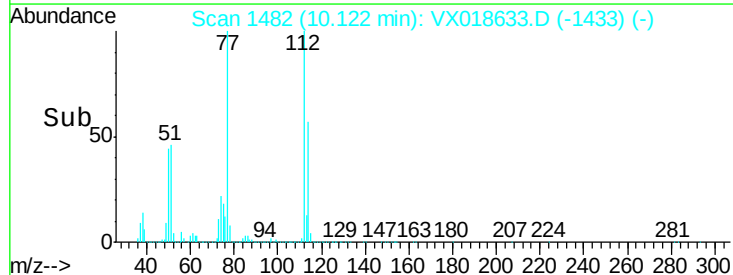
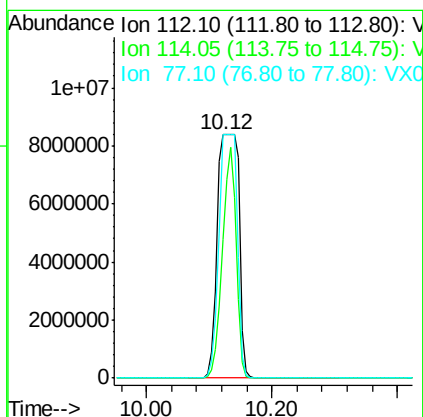
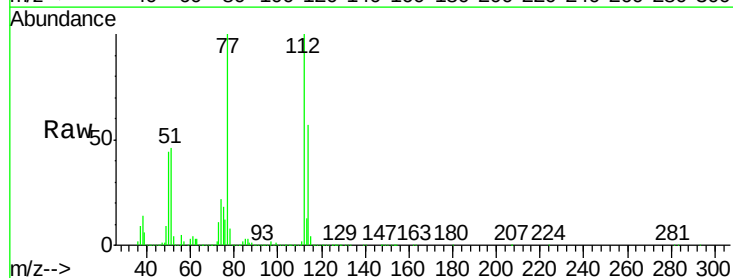
Tgt Ion: 112 Resp: 20015861

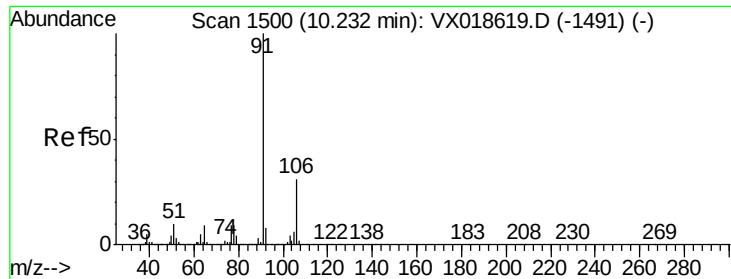
Ion Ratio Lower Upper

112 100

114 57.0 20.6 38.4#

77 100.0 46.6 69.8#





#54

Ethylbenzene

Concen: 2.420 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018633.D

Acq: 28 Sep 2020 22:33

Instrument :

MSVOA_X

ClientSampleId :

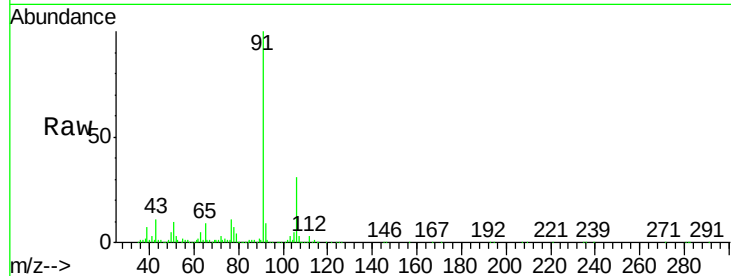
BG4A8

Tot Ion: 91 Resp: 154618

Ion Ratio Lower Upper

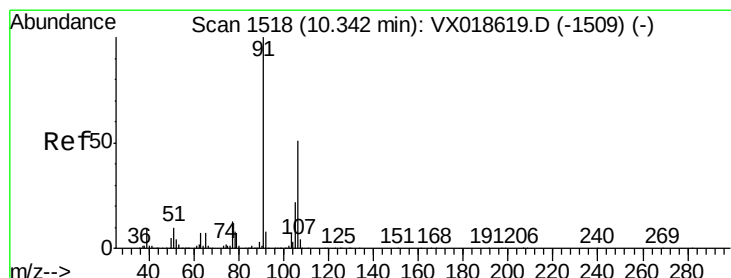
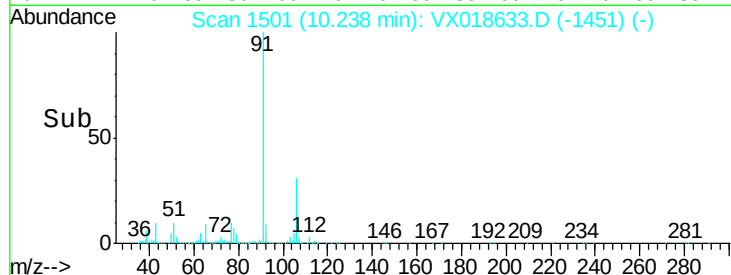
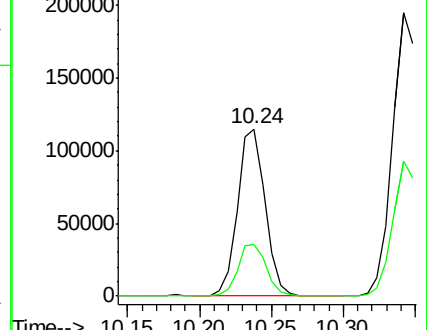
91 100

106 31.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V



#55

m,p-xylene

Concen: 5.070 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018633.D

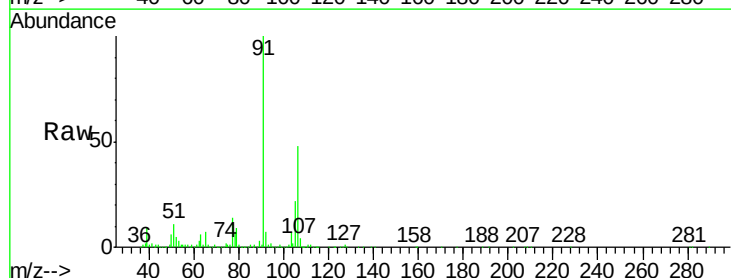
Acq: 28 Sep 2020 22:33

Tgt Ion: 106 Resp: 123854

Ion Ratio Lower Upper

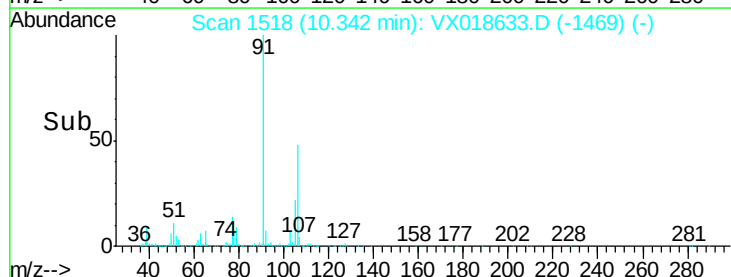
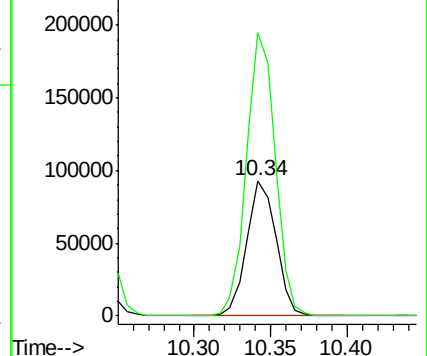
106 100

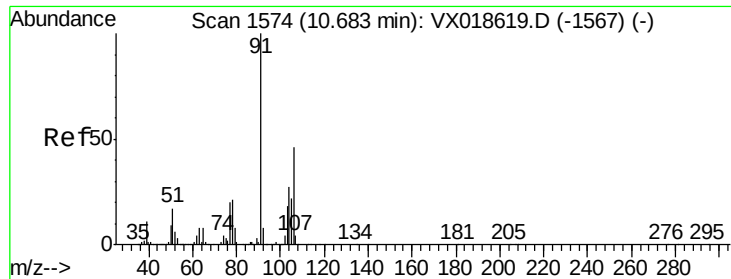
91 209.5 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

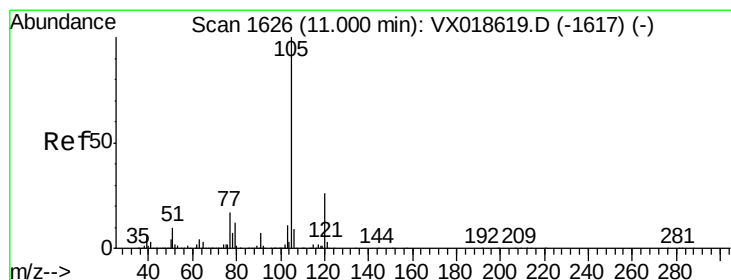
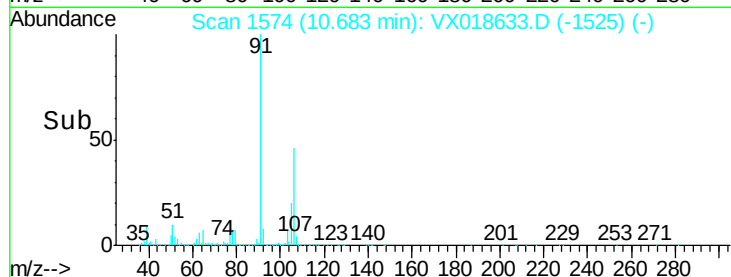
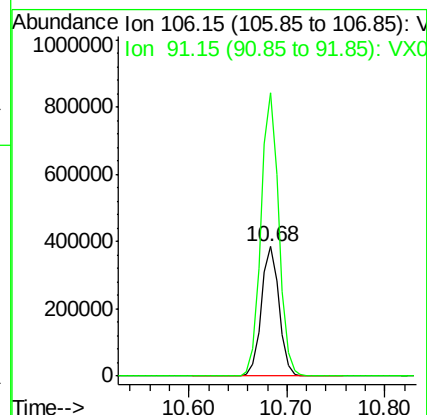
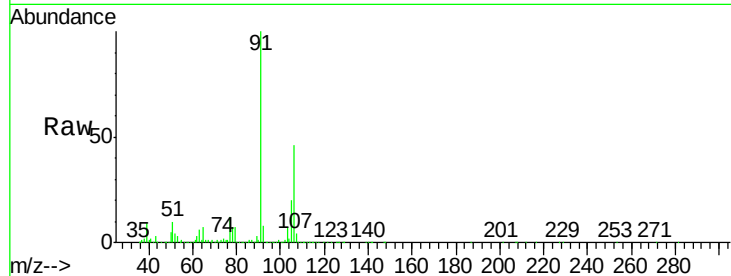




#56
o-xylene
Concen: 20.861 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018633.D
Acq: 28 Sep 2020 22:33

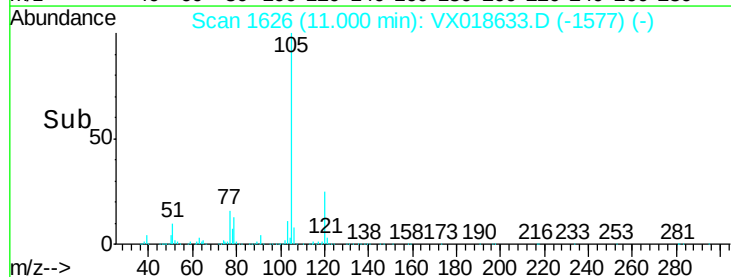
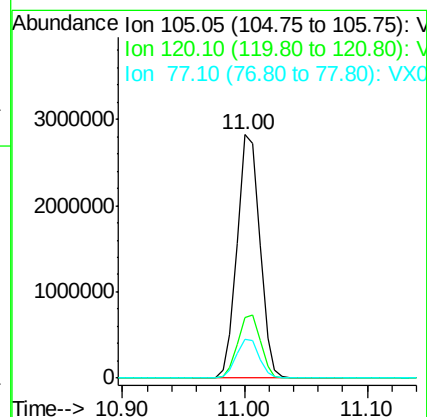
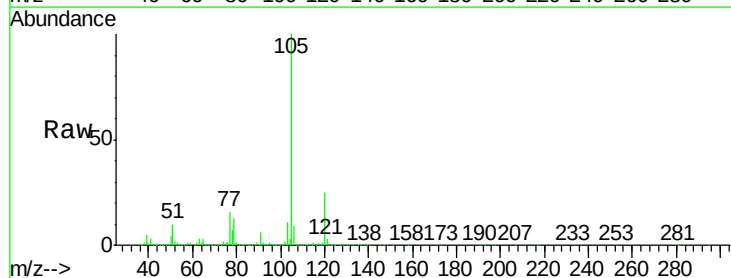
Instrument :
MSVOA_X
ClientSampleId :
BG4A8

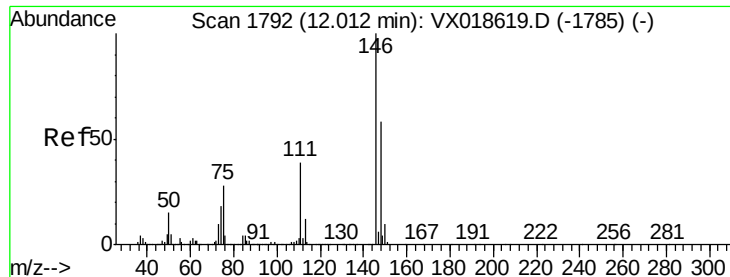
Tot Ion:106 Resp: 481531
Ion Ratio Lower Upper
106 100
91 218.7 167.5 311.1



#58
Isopropylbenzene
Concen: 58.215 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX018633.D
Acq: 28 Sep 2020 22:33

Tgt Ion:105 Resp: 3602977
Ion Ratio Lower Upper
105 100
120 26.1 21.2 31.8
77 16.1 13.3 19.9





#63

1,3-Dichlorobenzene

Concen: 2.157 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX018633.D

Acq: 28 Sep 2020 22:33

Instrument :

MSVOA_X

ClientSampled :

BG4A8

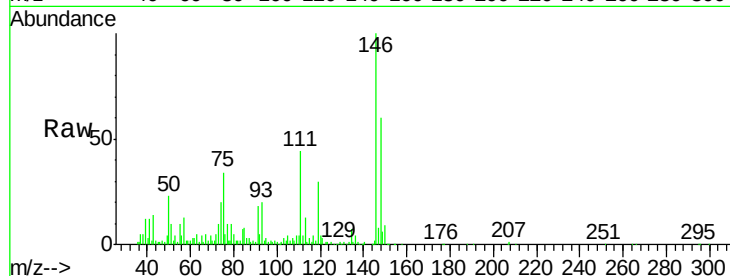
Tot Ion:146 Resp: 67581

Ion Ratio Lower Upper

146 100

111 43.8 26.7 49.7

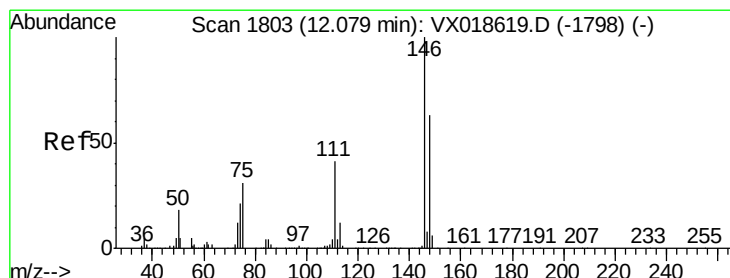
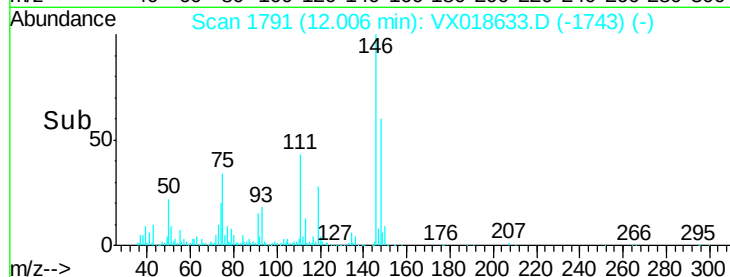
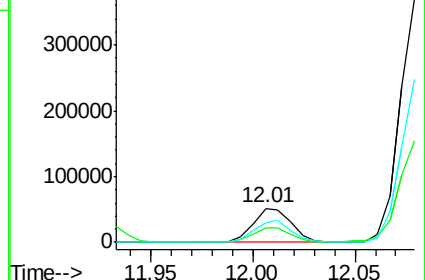
148 59.8 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 14.947 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018633.D

Acq: 28 Sep 2020 22:33

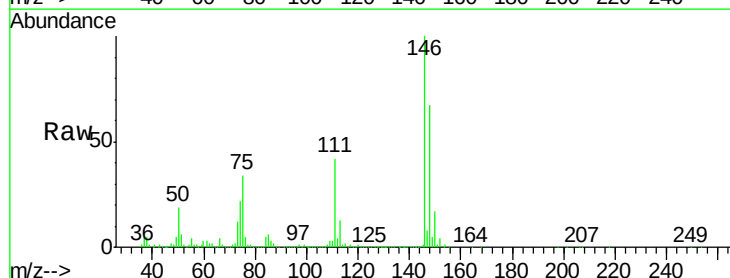
Tgt Ion:146 Resp: 473063

Ion Ratio Lower Upper

146 100

111 41.8 28.8 53.4

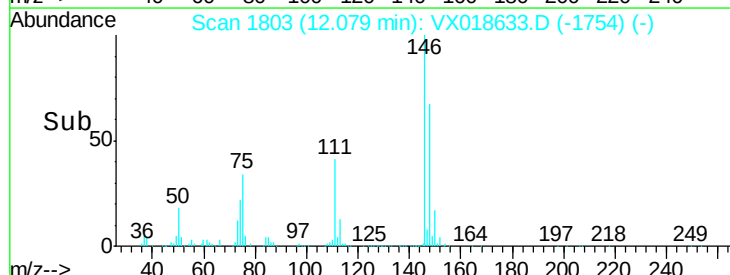
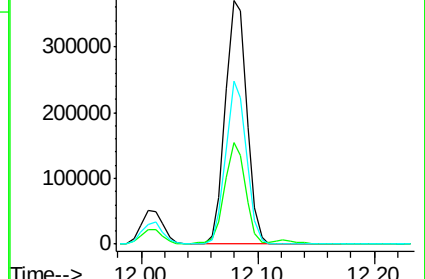
148 67.0 44.9 83.3

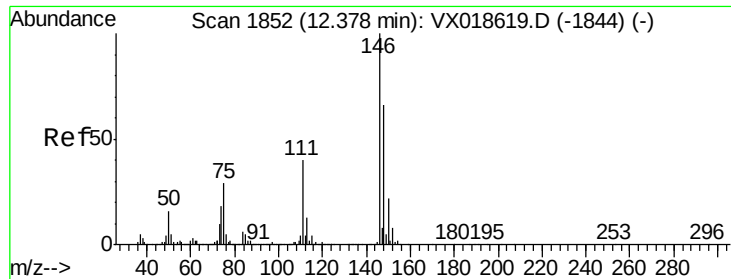


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66
 1,2-Dichlorobenzene
 Concen: 6.451 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018633.D
 Acq: 28 Sep 2020 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 BG4A8

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	33.6	50.4
148	69.5	53.4	80.2

