

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081420\
 Data File : VX017905.D
 Acq On : 14 Aug 2020 18:02
 Operator : JC/SP
 Sample : L3697-02DL 10X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0M9DL

Quant Time: Aug 17 03:54:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 17 01:26:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	292249	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	277713	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	139798	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	87854	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.69	69	73013	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.34	63	131425	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.53	46	248260	46.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.58%
24) Chloroform-d	5.14	84	176024	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	6.03	65	97950	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	6.05	84	330319	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	7.37	67	114862	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	8.70	98	291257	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
45) trans-1,3-Dichloropropene-	8.99	79	44109	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
48) 2-Hexanone-d5	9.43	63	185210	43.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.32%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	80728	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	134970	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	17856	0.649	ug/L	87
8) Chloroethane	1.71	64	45136	2.932	ug/L	93
13) Acetone	2.42	43	19021	4.854	ug/L	94
19) 1,1-Dichloroethane	3.67	63	11345	0.250	ug/L	95
21) 2-Butanone	4.65	43	5598	0.827	ug/L	75
22) cis-1,2-Dichloroethene	4.56	96	88489	3.318	ug/L #	96
30) Cyclohexane	5.54	56	10625	0.269	ug/L #	92
33) Benzene	6.12	78	5762415	58.611	ug/L	100
35) Methylcyclohexane	7.44	83	9930	0.246	ug/L #	78
40) 4-Methyl-2-pentanone	8.62	43	10163	0.631	ug/L #	81
42) Toluene	8.77	91	7517239	70.434	ug/L	93
53) Chlorobenzene	10.12	112	881188	12.685	ug/L	98
54) Ethylbenzene	10.24	91	1571611	13.493	ug/L	99
55) m,p-xylene	10.34	106	1518739	34.150	ug/L	100
56) o-xylene	10.68	106	421674	9.779	ug/L	97
58) Isopropylbenzene	11.01	105	242350	2.100	ug/L	99
63) 1,3-Dichlorobenzene	12.01	146	6683	0.123	ug/L	84

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 17 01:26:51 2020
Response via : Initial Calibration

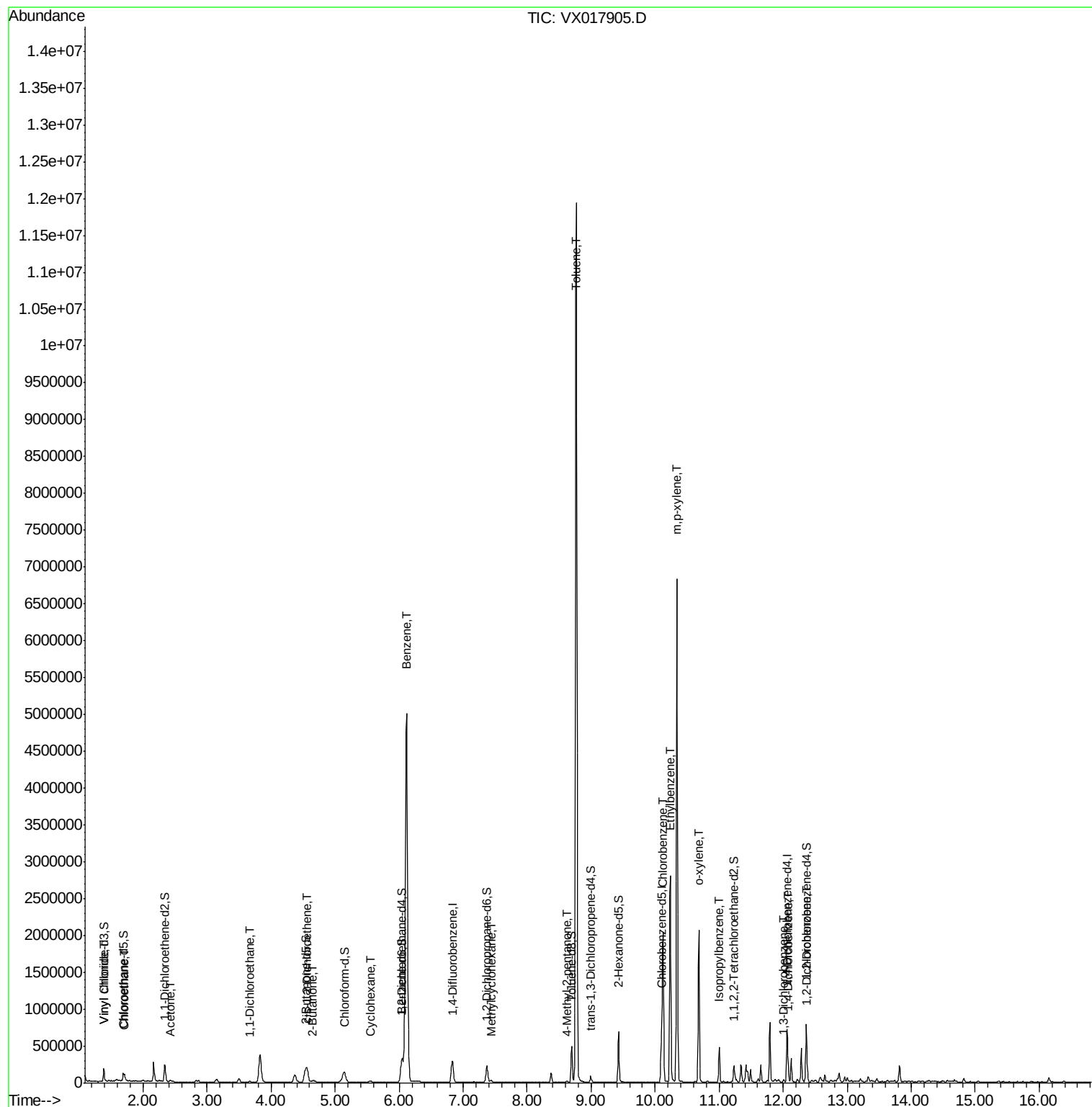
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,4-Dichlorobenzene	12.08	146	39176	0.723	ug/L	91
66) 1,2-Dichlorobenzene	12.38	146	57701	1.141	ug/L	97

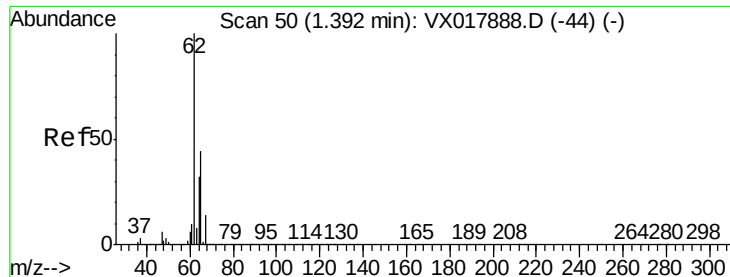
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.649 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017905.D

Acq: 14 Aug 2020 18:02

Instrument :

MSVOA_X

ClientSampleID :

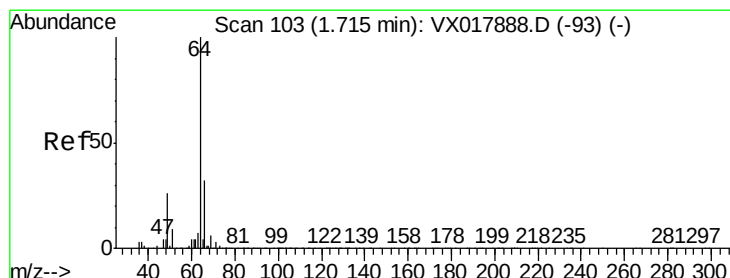
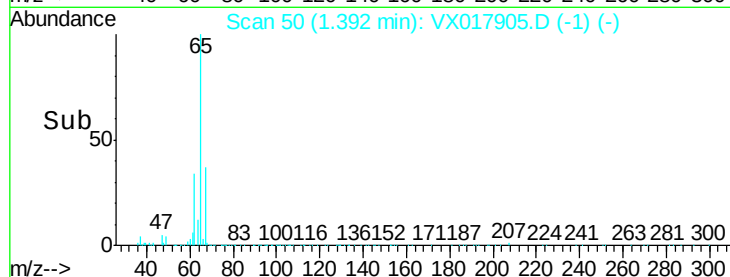
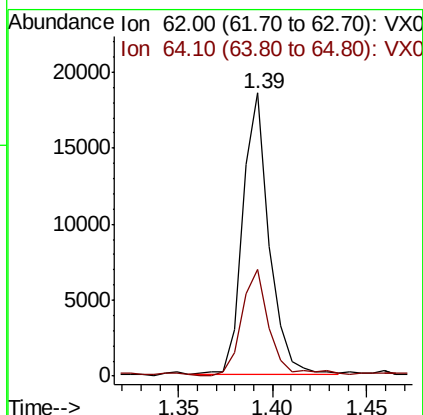
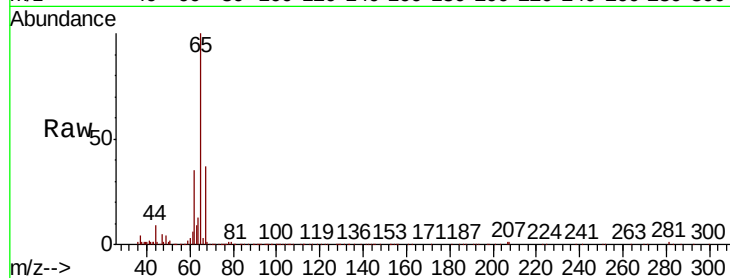
BG0M9DL

Tot Ion: 62 Resp: 17856

Ion Ratio Lower Upper

62 100

64 37.7 21.3 39.6



#8

Chloroethane

Concen: 2.932 ug/L

RT: 1.71 min Scan# 102

Delta R.T. -0.01 min

Lab File: VX017905.D

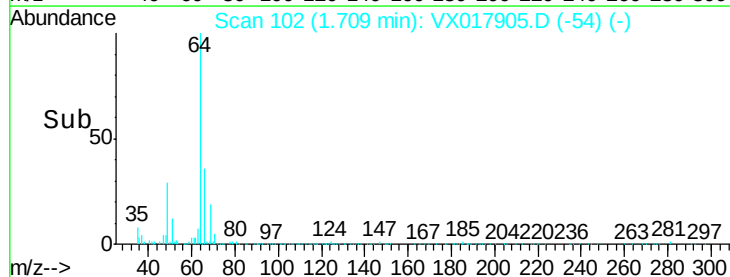
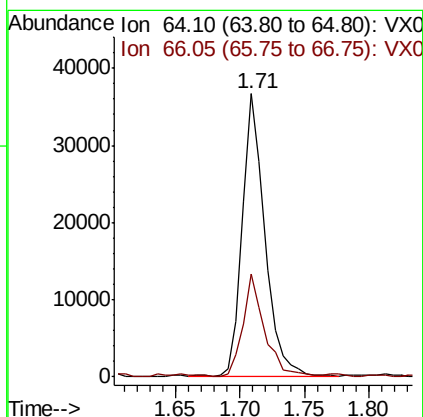
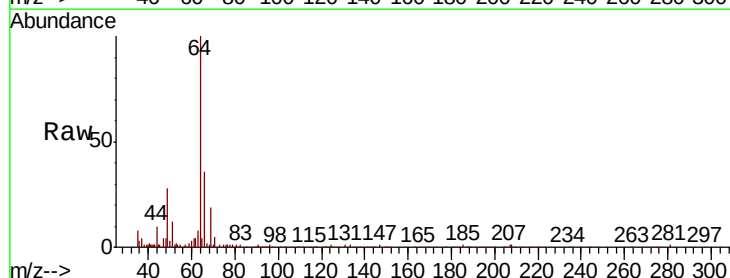
Acq: 14 Aug 2020 18:02

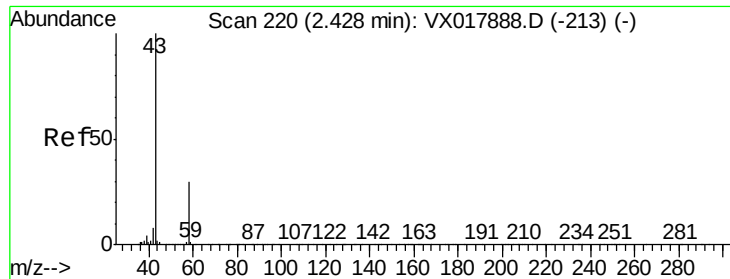
Tgt Ion: 64 Resp: 45136

Ion Ratio Lower Upper

64 100

66 36.3 22.6 42.0





#13

Acetone

Concen: 4.854 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX017905.D

Acq: 14 Aug 2020 18:02

Instrument :

MSVOA_X

ClientSampleId :

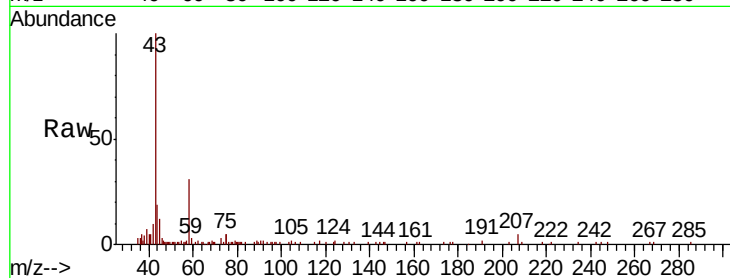
BG0M9DL

Tot Ion: 43 Resp: 19021

Ion Ratio Lower Upper

43 100

58 33.9 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

2.42

12000

10000

8000

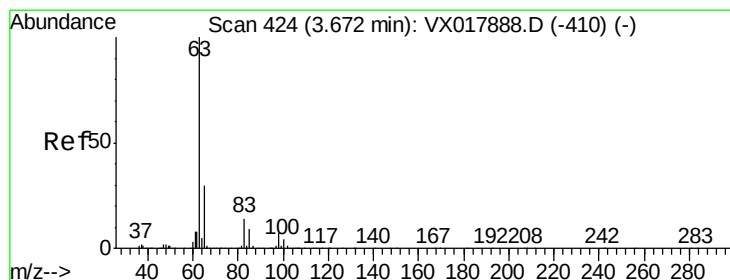
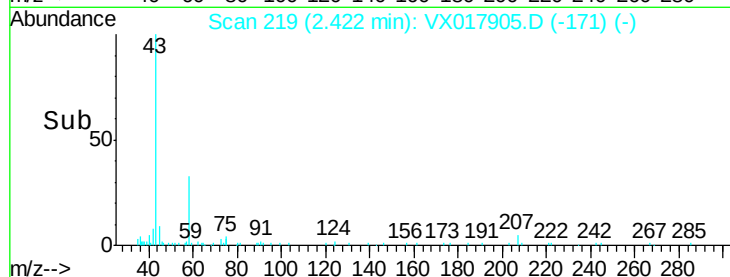
6000

4000

2000

0

Time-->



#19

1,1-Dichloroethane

Concen: 0.250 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017905.D

Acq: 14 Aug 2020 18:02

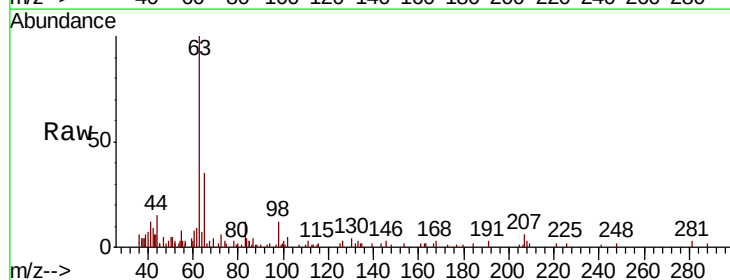
Tgt Ion: 63 Resp: 11345

Ion Ratio Lower Upper

63 100

65 35.2 22.6 42.0

83 11.7 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

6000

5000

4000

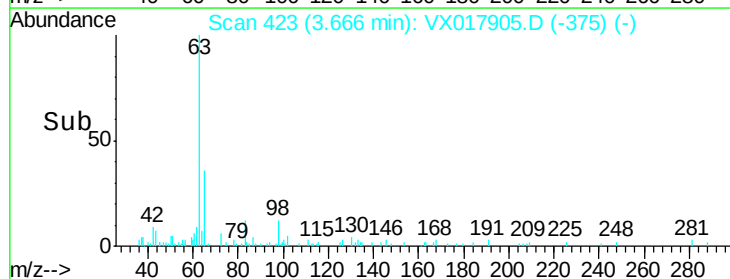
3000

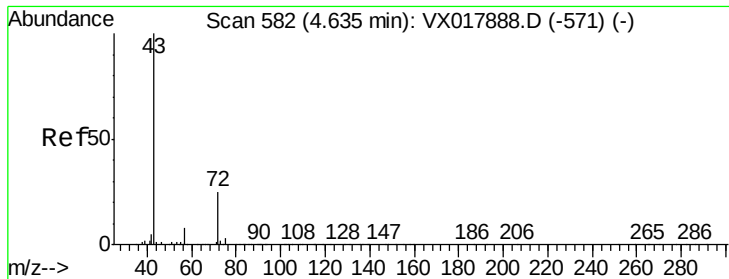
2000

1000

0

Time-->





#21

2-Butanone

Concen: 0.827 ug/L

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017905.D

Acq: 14 Aug 2020 18:02

Instrument :

MSVOA_X

ClientSampled :

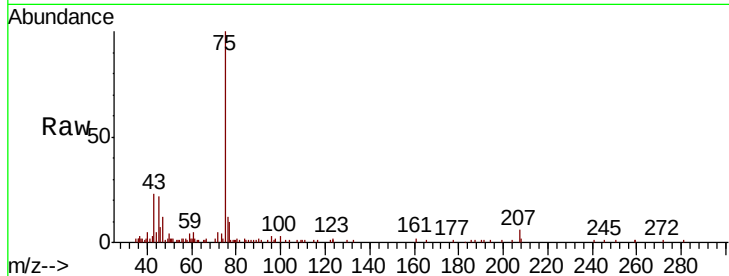
BG0M9DL

Tot Ion: 43 Resp: 5598

Ion Ratio Lower Upper

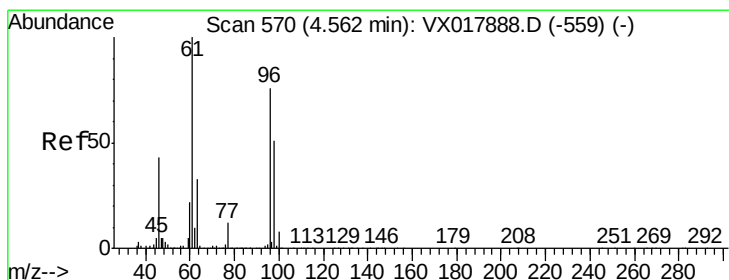
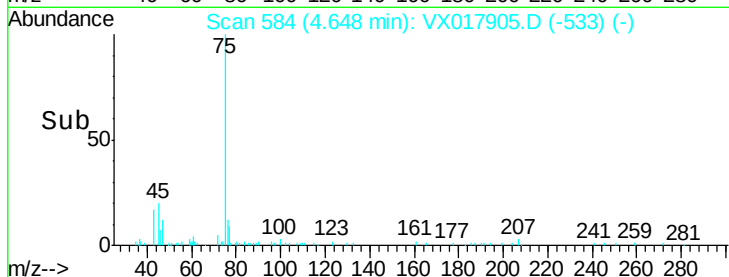
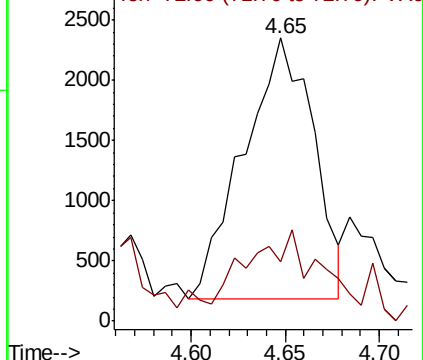
43 100

72 13.7 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 3.318 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX017905.D

Acq: 14 Aug 2020 18:02

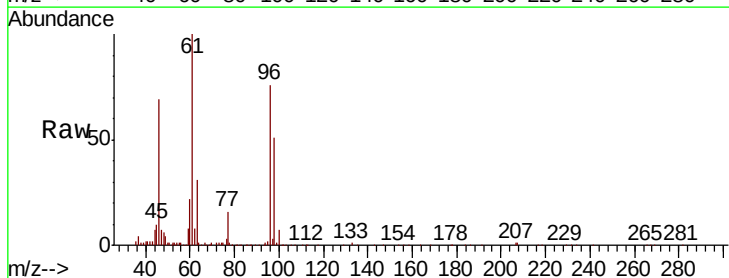
Tgt Ion: 96 Resp: 88489

Ion Ratio Lower Upper

96 100

61 131.5 88.8 165.0

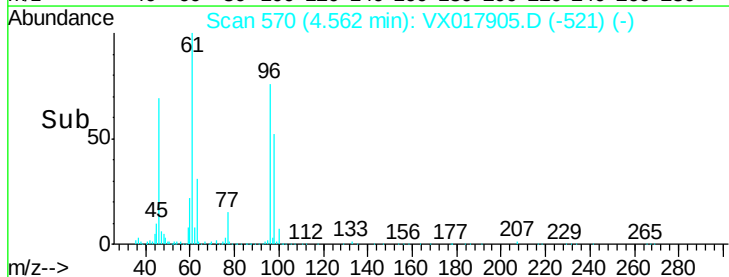
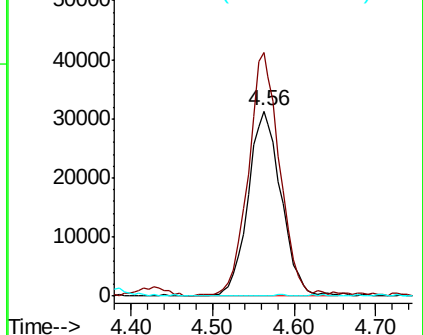
68 0.5 0.2 0.4#

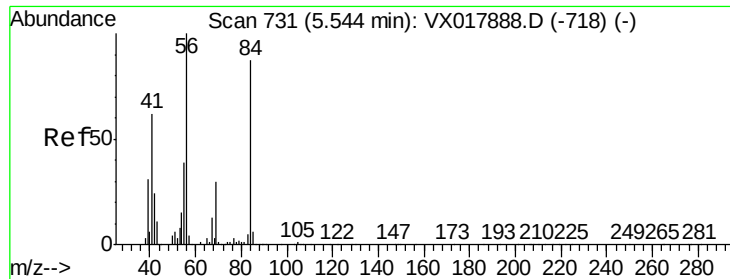


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0

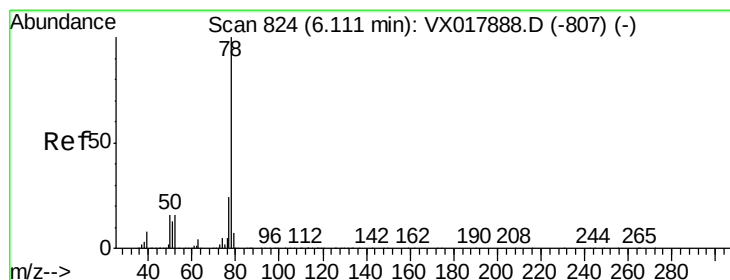
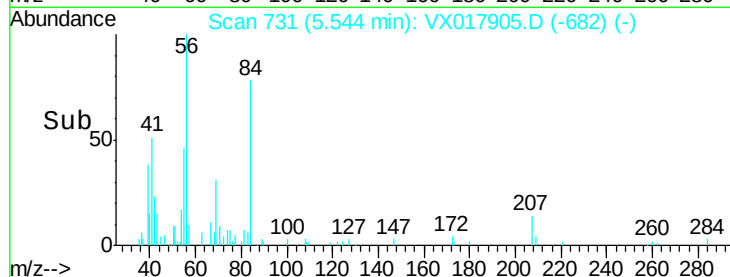
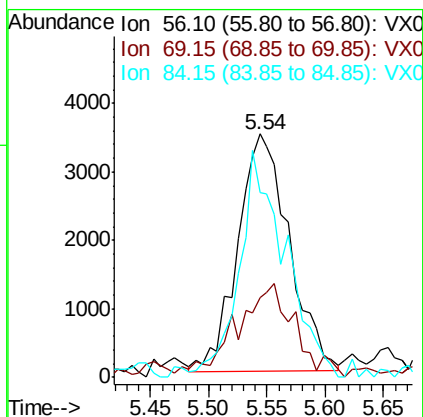
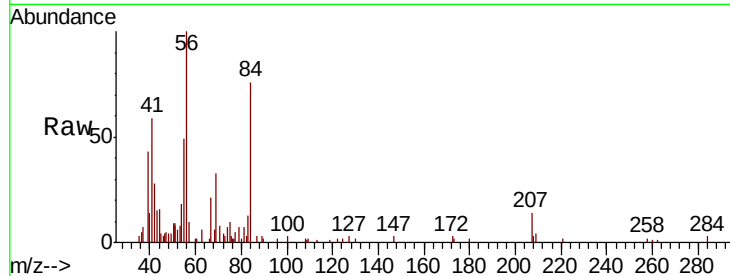




#30
Cyclohexane
Concen: 0.269 ug/L
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX017905.D
Acq: 14 Aug 2020 18:02

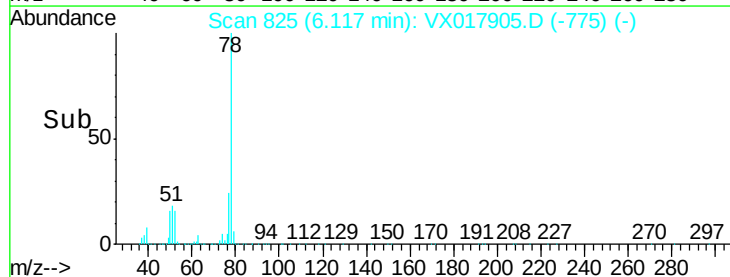
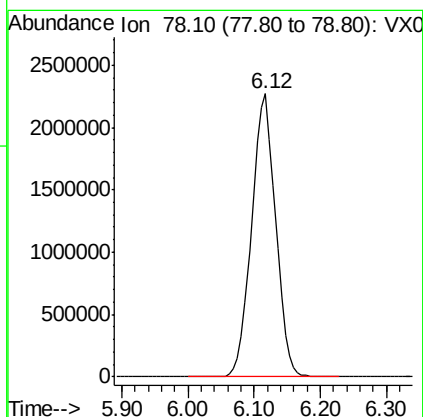
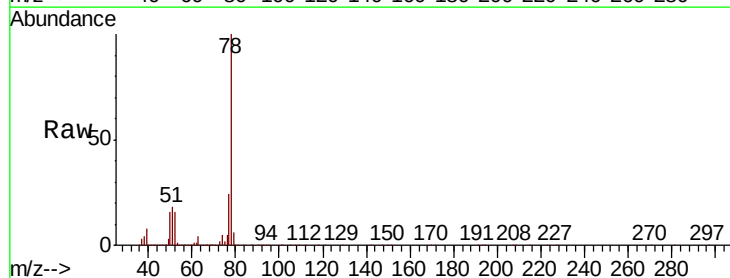
Instrument :
MSVOA_X
ClientSampleID :
BG0M9DL

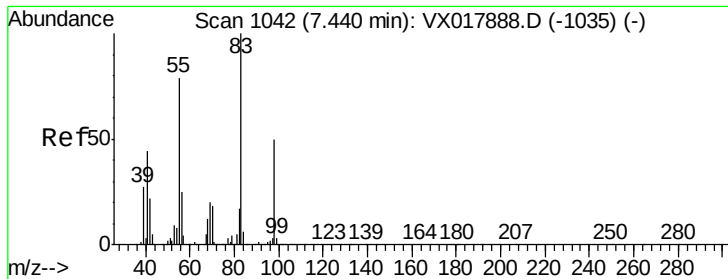
Tot Ion: 56 Resp: 10625
Ion Ratio Lower Upper
56 100
69 42.9 25.1 37.7#
84 85.6 70.7 106.1



#33
Benzene
Concen: 58.611 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017905.D
Acq: 14 Aug 2020 18:02

Tgt Ion: 78 Resp: 5762415





#35

Methylcyclohexane

Concen: 0.246 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX017905.D

Acq: 14 Aug 2020 18:02

Instrument :

MSVOA_X

ClientSampleID :

BG0M9DL

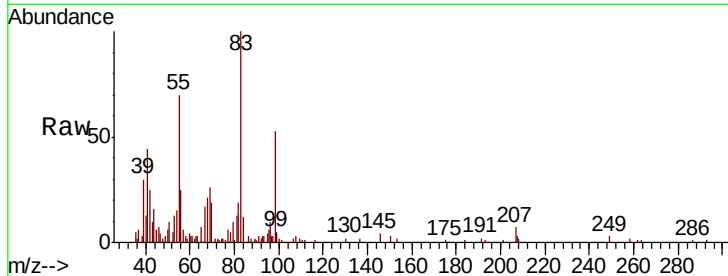
Tot Ion: 83 Resp: 9930

Ion Ratio Lower Upper

83 100

55 98.8 62.4 93.6#

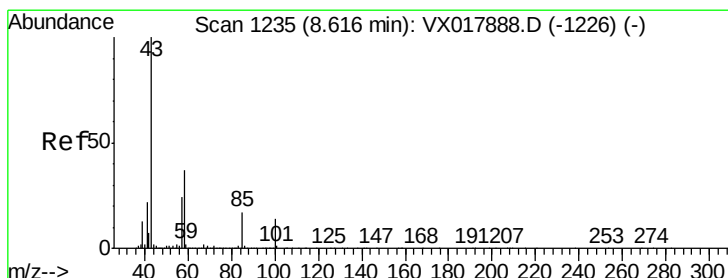
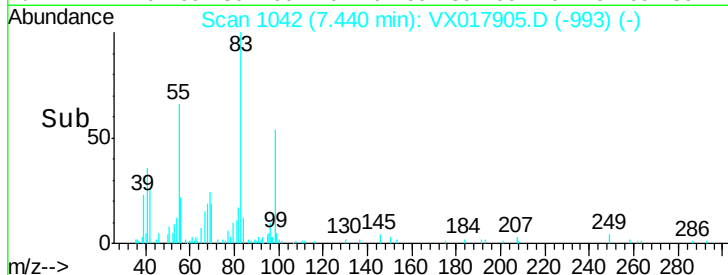
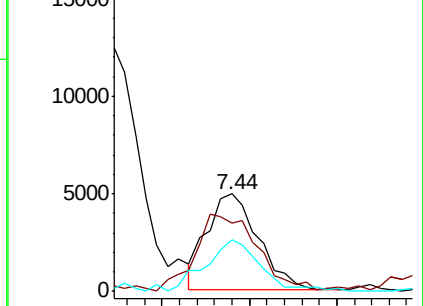
98 59.7 38.0 57.0#



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



#40

4-Methyl-2-pentanone

Concen: 0.631 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VX017905.D

Acq: 14 Aug 2020 18:02

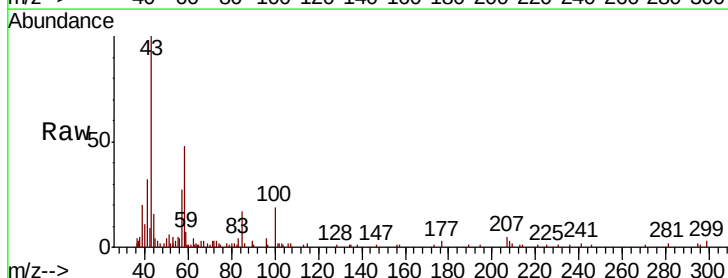
Tgt Ion: 43 Resp: 10163

Ion Ratio Lower Upper

43 100

58 46.0 31.1 46.7

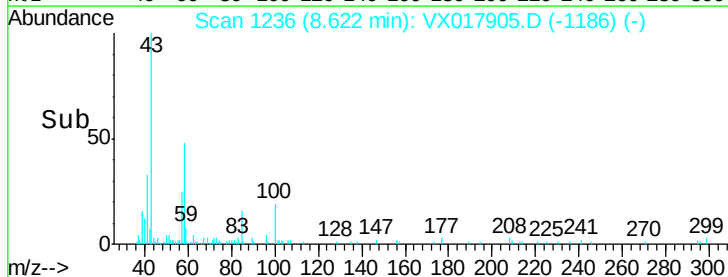
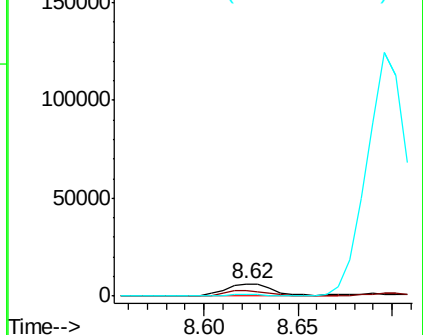
100 0.0 12.2 18.4#

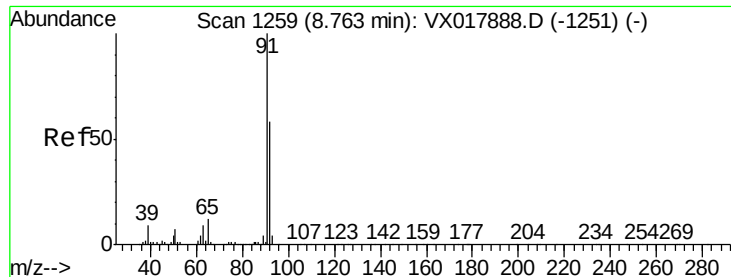


Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 100.15 (99.85 to 100.85): V





#42

Toluene

Concen: 70.434 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017905.D

Acq: 14 Aug 2020 18:02

Instrument :

MSVOA_X

ClientSampled :

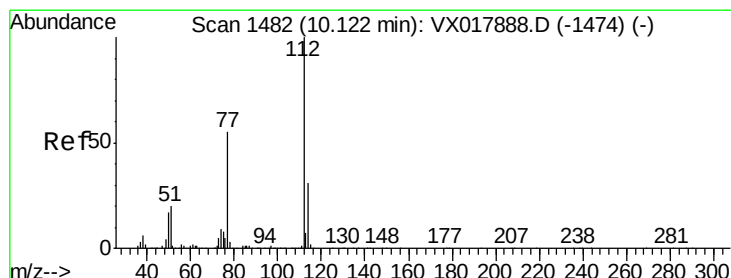
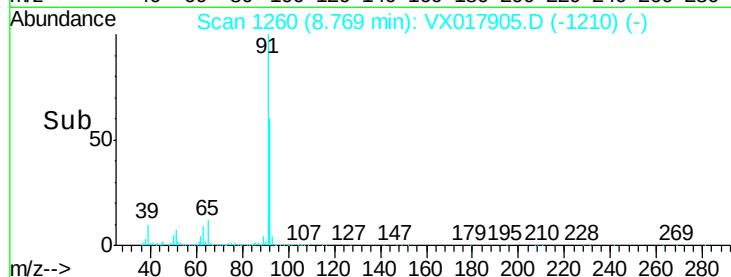
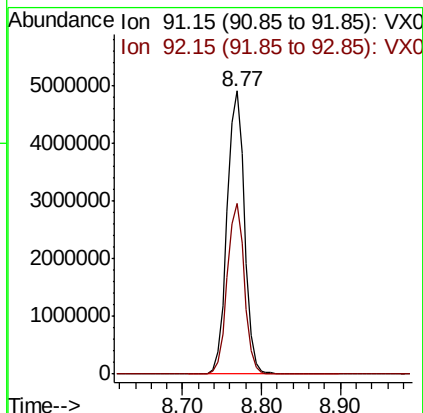
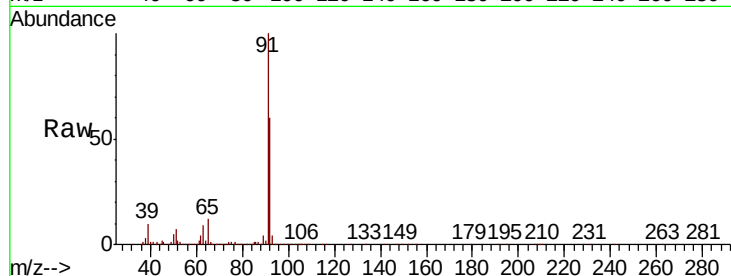
BG0M9DL

Tot Ion: 91 Resp: 7517239

Ion Ratio Lower Upper

91 100

92 60.2 38.8 72.0



#53

Chlorobenzene

Concen: 12.685 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017905.D

Acq: 14 Aug 2020 18:02

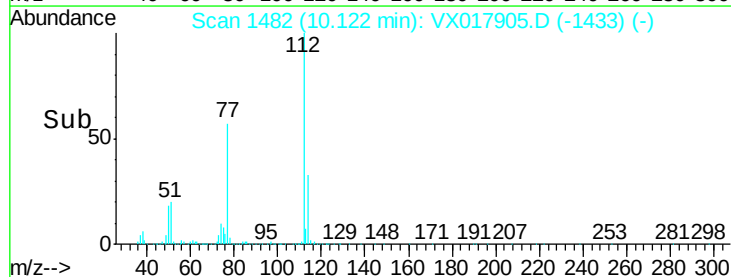
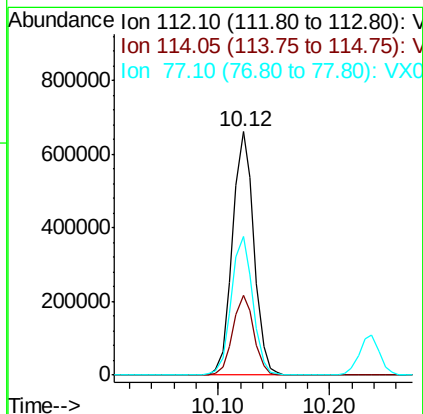
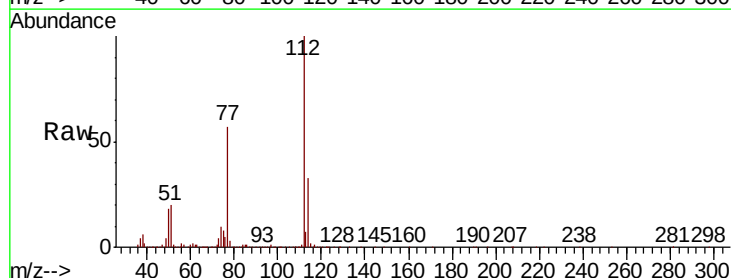
Tgt Ion: 112 Resp: 881188

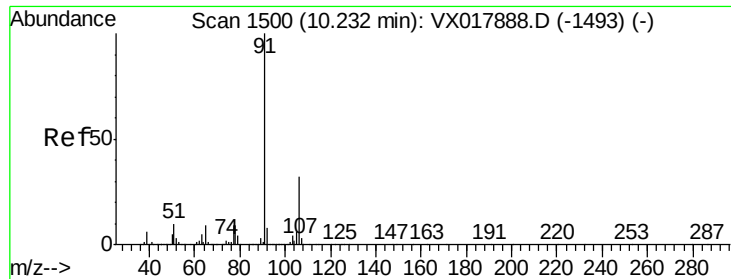
Ion Ratio Lower Upper

112 100

114 32.9 23.5 43.7

77 57.1 46.7 70.1





#54

Ethylbenzene

Concen: 13.493 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017905.D

Acq: 14 Aug 2020 18:02

Instrument :

MSVOA_X

ClientSampleId :

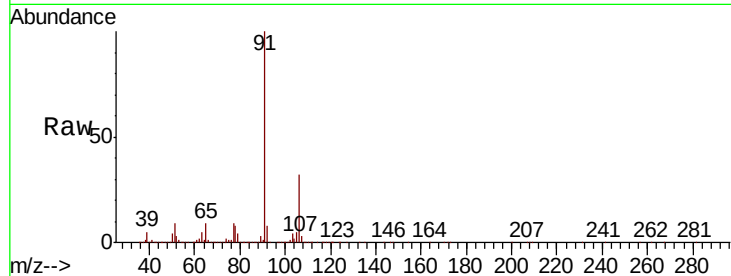
BG0M9DL

Tot Ion: 91 Resp: 1571611

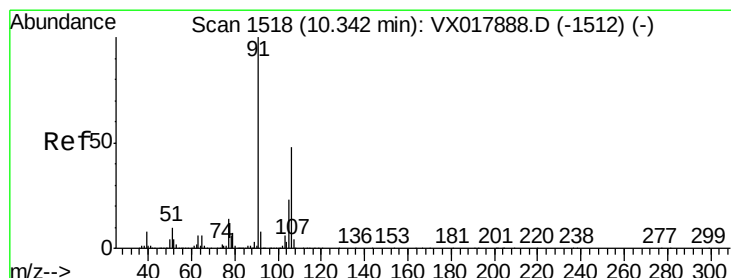
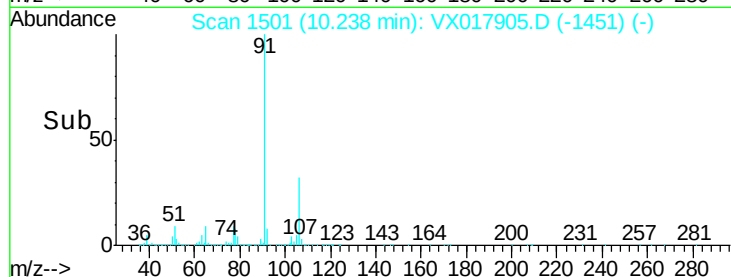
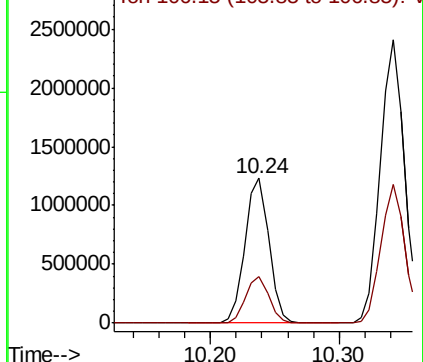
Ion Ratio Lower Upper

91 100

106 31.7 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VX017888.D (-1493) (-)



#55

m,p-xylene

Concen: 34.150 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017905.D

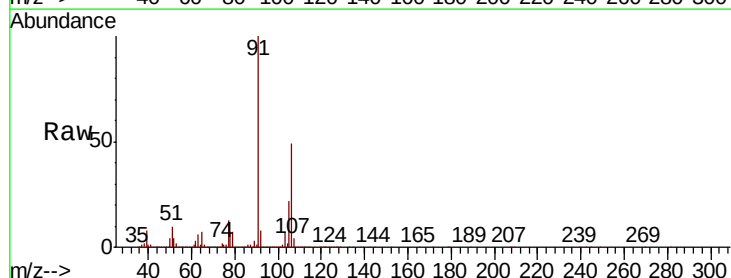
Acq: 14 Aug 2020 18:02

Tgt Ion: 106 Resp: 1518739

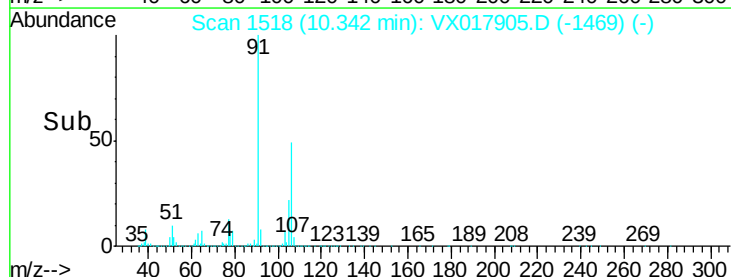
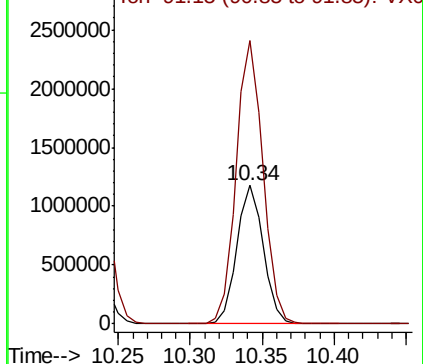
Ion Ratio Lower Upper

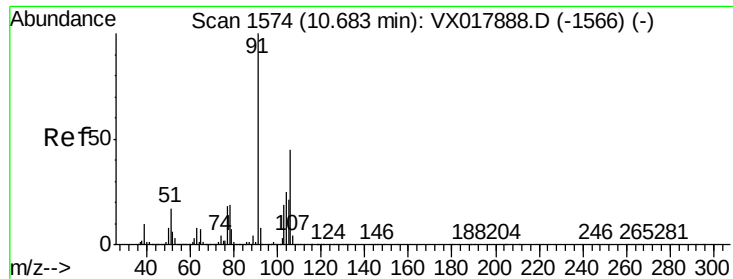
106 100

91 204.8 143.3 266.1



Abundance Ion 106.15 (105.85 to 106.85): VX017888.D (-1512) (-)

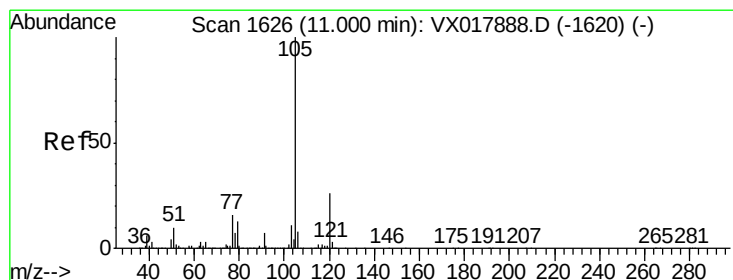
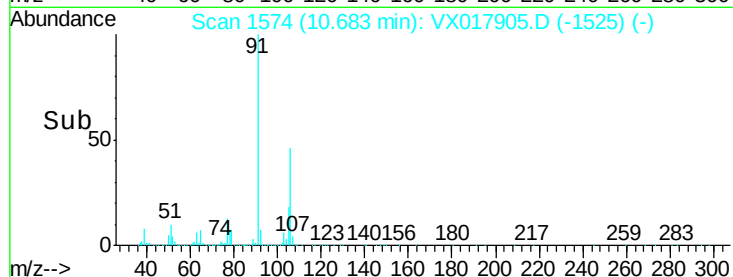
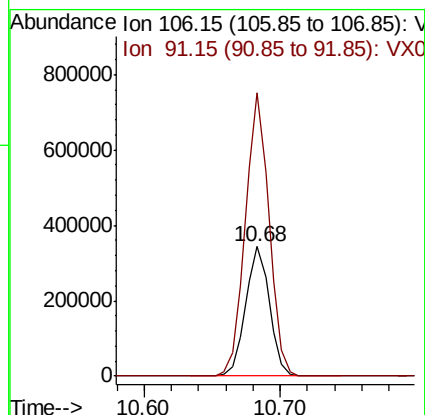
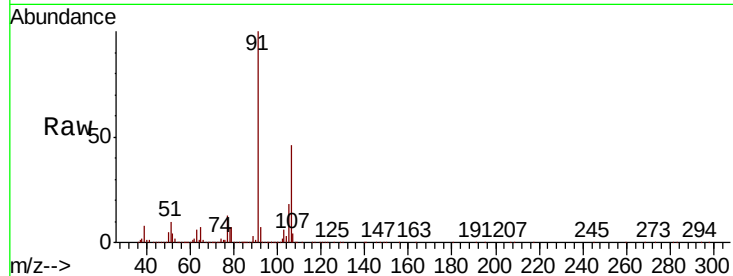




#56
o-xylene
Concen: 9.779 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017905.D
Acq: 14 Aug 2020 18:02

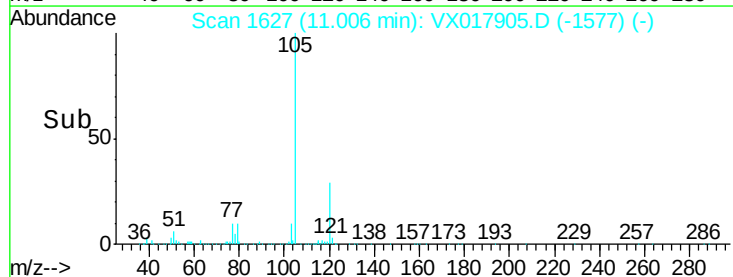
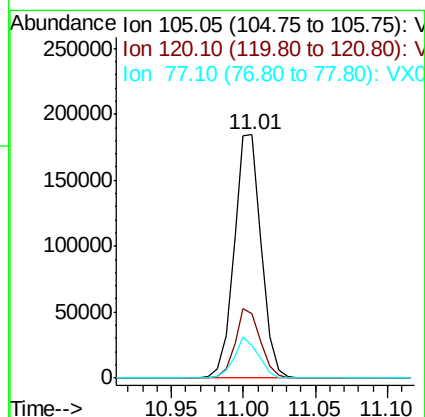
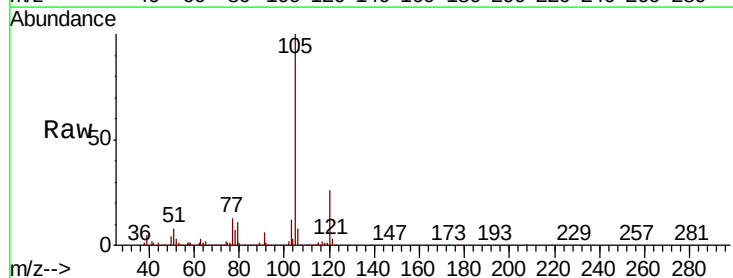
Instrument :
MSVOA_X
ClientSampleID :
BG0M9DL

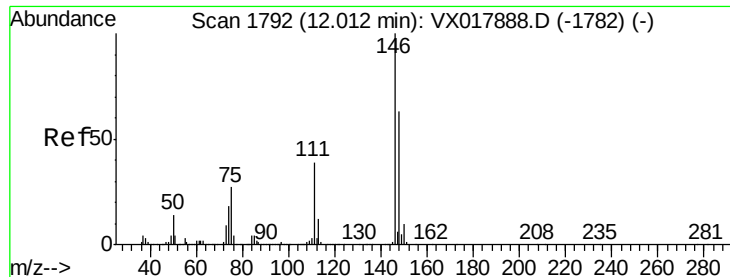
Tot Ion:106 Resp: 421674
Ion Ratio Lower Upper
106 100
91 218.5 149.8 278.2



#58
Isopropylbenzene
Concen: 2.100 ug/L
RT: 11.01 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VX017905.D
Acq: 14 Aug 2020 18:02

Tgt Ion:105 Resp: 242350
Ion Ratio Lower Upper
105 100
120 26.8 21.8 32.6
77 15.4 12.8 19.2





#63

1,3-Dichlorobenzene

Concen: 0.123 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX017905.D

Acq: 14 Aug 2020 18:02

Instrument :

MSVOA_X

ClientSampleID :

BG0M9DL

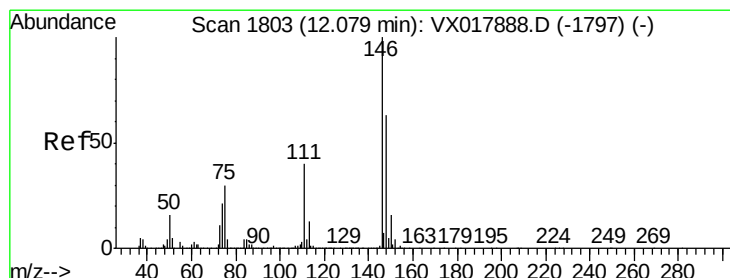
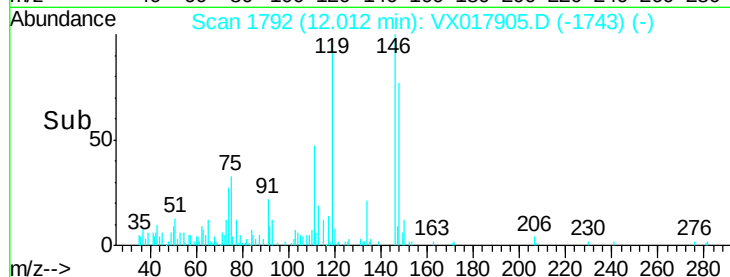
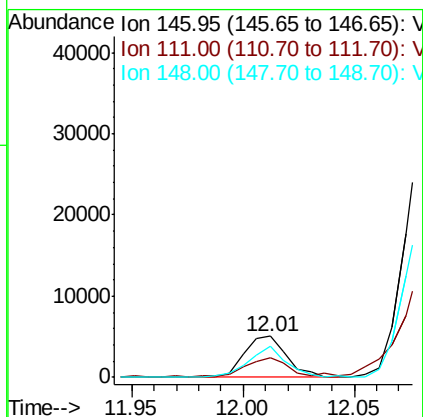
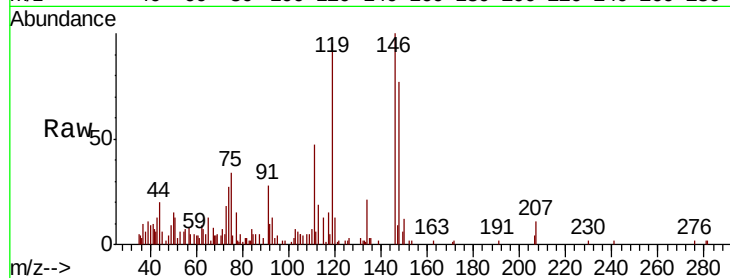
Tot Ion:146 Resp: 6683

Ion Ratio Lower Upper

146 100

111 46.7 27.6 51.4

148 77.2 43.9 81.5



#64

1,4-Dichlorobenzene

Concen: 0.723 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX017905.D

Acq: 14 Aug 2020 18:02

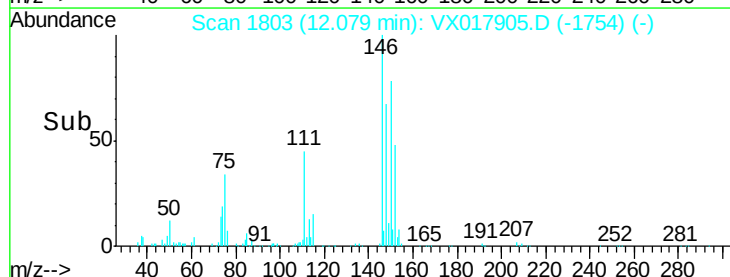
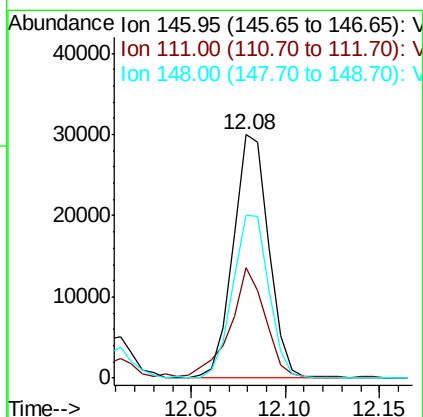
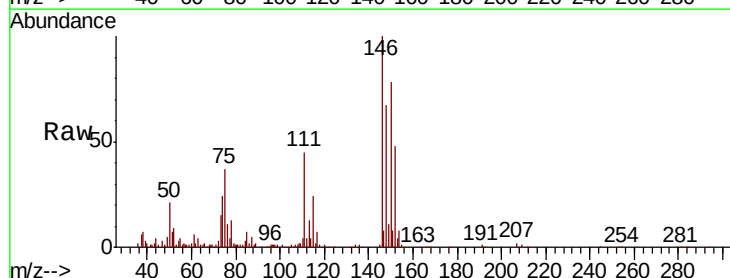
Tgt Ion:146 Resp: 39176

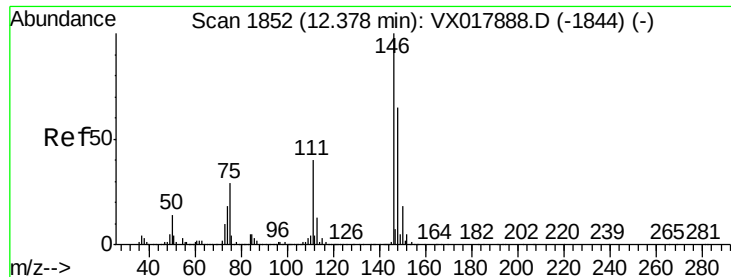
Ion Ratio Lower Upper

146 100

111 45.3 26.0 48.2

148 66.9 43.2 80.2





#66
 1,2-Dichlorobenzene
 Concen: 1.141 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017905.D
 Acq: 14 Aug 2020 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0M9DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	32.2	48.4
148	61.9	52.3	78.5

