

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081820\
 Data File : VX017956.D
 Acq On : 18 Aug 2020 11:55
 Operator : JC/SP
 Sample : L3697-02DL 100X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0M9DL2

Quant Time: Aug 19 01:31:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 19 01:29:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	260947	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	259892	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	111314	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	67758	3.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.20%
7) Chloroethane-d5	1.69	69	64177	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.34	63	105153	2.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.60%#
20) 2-Butanone-d5	4.54	46	267194	55.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.60%
24) Chloroform-d	5.14	84	179156	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	6.03	65	100100	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	6.05	84	308421	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	7.37	67	105626	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	8.70	98	247077	3.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.80%
45) trans-1,3-Dichloropropene-	8.99	79	42400	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
48) 2-Hexanone-d5	9.43	63	206356	51.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.96%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	85461	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	110431	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Ovalue
8) Chloroethane	1.72	64	4234	0.308 ug/L	85
13) Acetone	2.43	43	3540	1.012 ug/L	52
16) Methylene chloride	2.83	84	10745	0.389 ug/L	97
22) cis-1,2-Dichloroethene	4.57	96	8496	0.357 ug/L #	67
25) Chloroform	5.17	83	6776	0.155 ug/L	96
33) Benzene	6.11	78	549533	5.973 ug/L	100
35) Methylcyclohexane	7.37	83	26129	0.692 ug/L #	18
37) 1,2-Dichloropropane	7.37	63	12922	0.559 ug/L #	87
42) Toluene	8.77	91	675981	6.768 ug/L	98
43) 1,3,5-Trimethylbenzene	11.49	105	5176	0.057 ug/L	98
44) 1,2,4-Trimethylbenzene	11.79	105	18038	0.194 ug/L	97
53) Chlorobenzene	10.12	112	80703	1.241 ug/L	98
54) Ethylbenzene	10.24	91	111564	1.024 ug/L	96
55) m,p-xylene	10.34	106	105885	2.544 ug/L	93
56) o-xylene	10.68	106	28637	0.710 ug/L	97
58) Isopropylbenzene	11.00	105	17378	0.161 ug/L #	96
64) 1,4-Dichlorobenzene	12.08	146	3458	0.080 ug/L #	81

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 19 01:29:32 2020
Response via : Initial Calibration

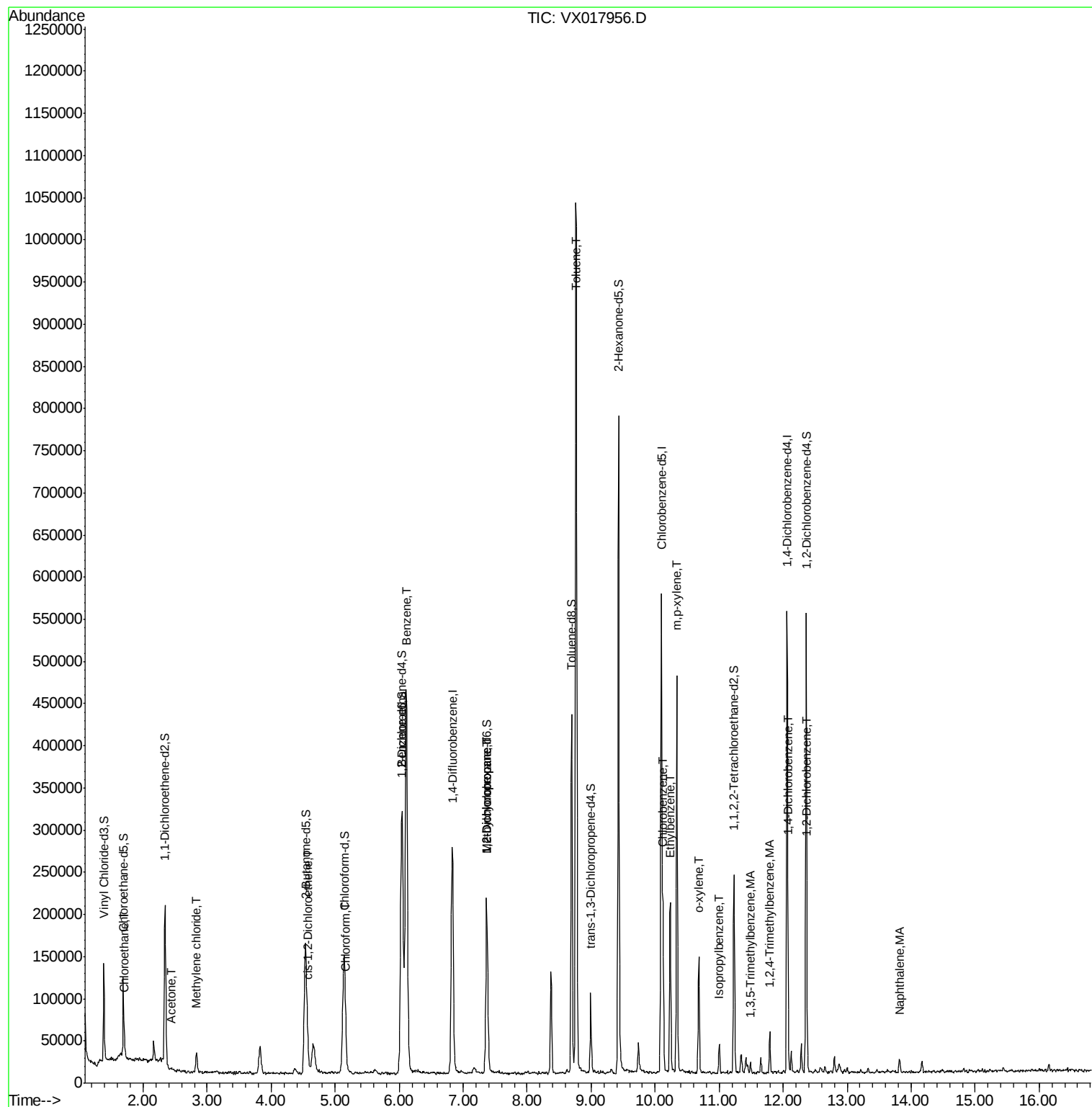
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dichlorobenzene	12.38	146	4866	0.121	ug/L #	90
70) Naphthalene	13.82	128	9791	0.188	ug/L #	92

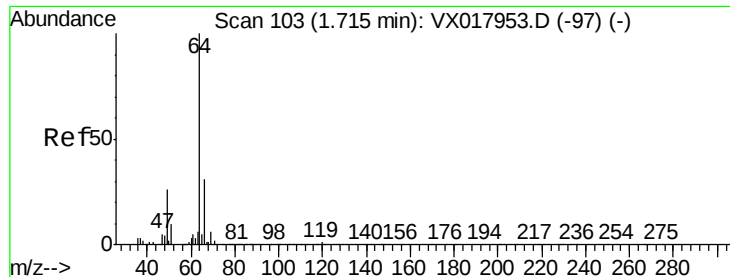
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.308 ug/L

RT: 1.72 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX017956.D

Acq: 18 Aug 2020 11:55

Instrument :

MSVOA_X

ClientSampleId :

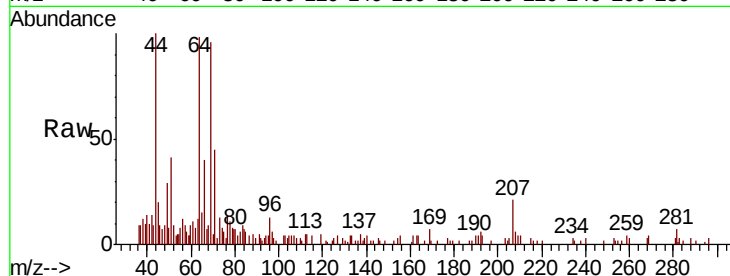
BG0M9DL2

Tot Ion: 64 Resp: 4234

Ion Ratio Lower Upper

64 100

66 40.8 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0

1.72

4000

3000

2000

1000

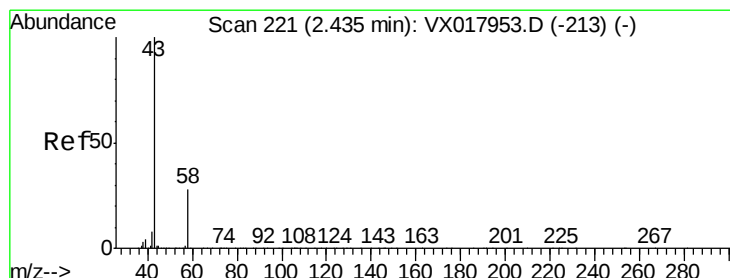
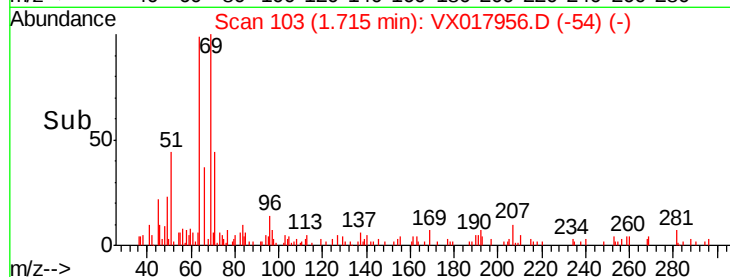
0

1.65

1.70

1.75

Time-->



#13

Acetone

Concen: 1.012 ug/L

RT: 2.43 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX017956.D

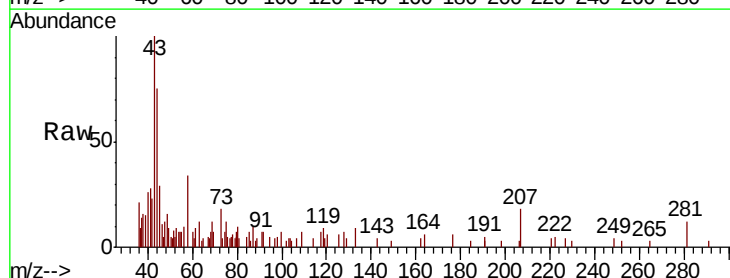
Acq: 18 Aug 2020 11:55

Tgt Ion: 43 Resp: 3540

Ion Ratio Lower Upper

43 100

58 56.8 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

2.43

2000

1500

1000

500

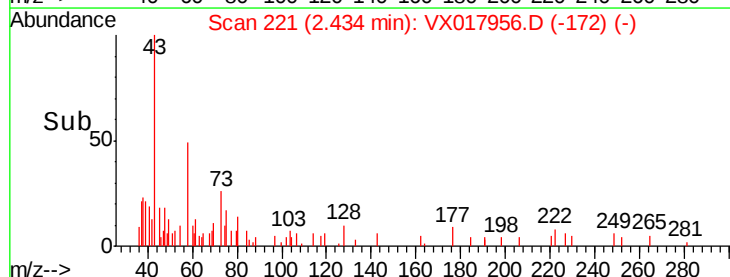
0

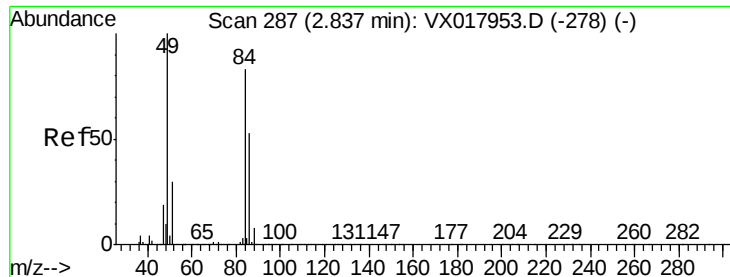
2.40

2.45

2.50

Time-->

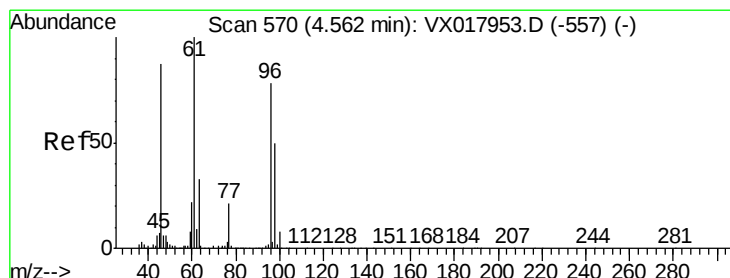
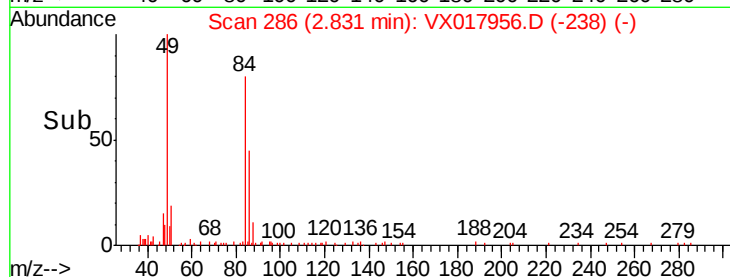
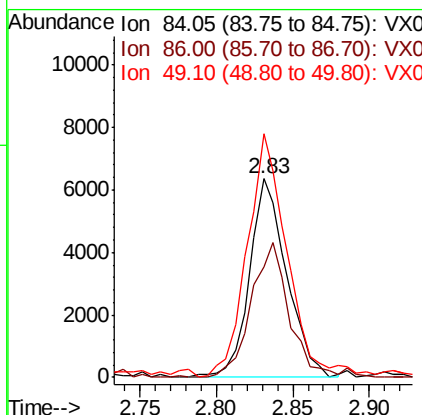
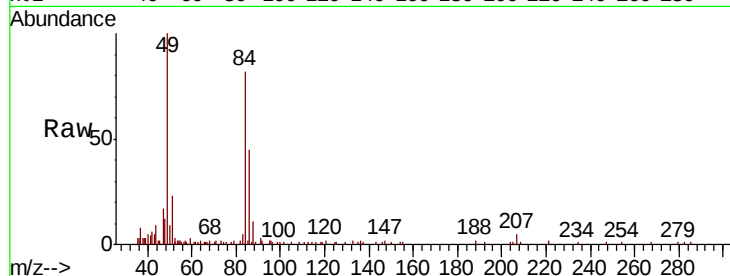




#16
Methvlene chloride
Concen: 0.389 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017956.D
Acq: 18 Aug 2020 11:55

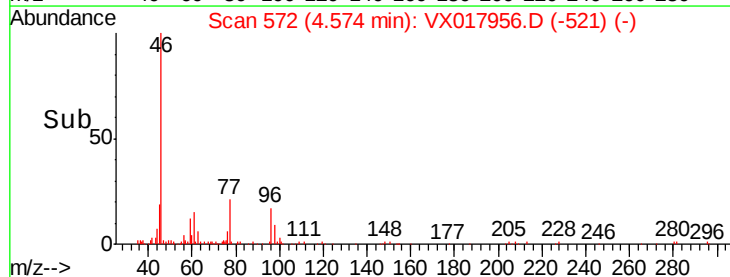
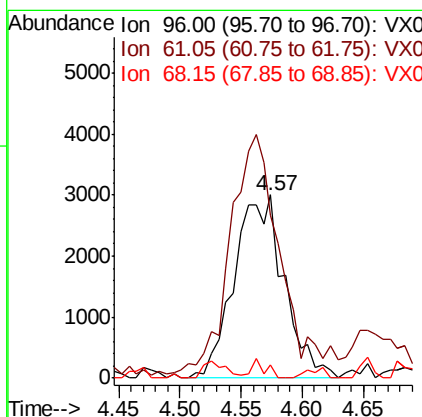
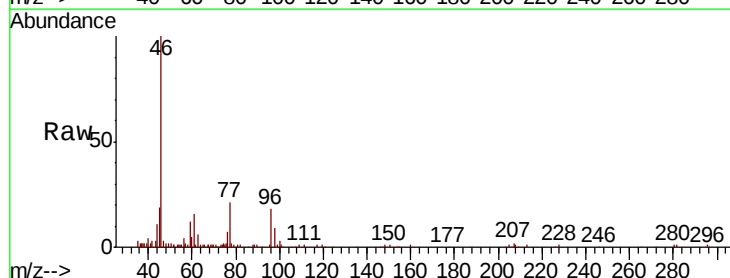
Instrument :
MSVOA_X
ClientSampleId :
BG0M9DL2

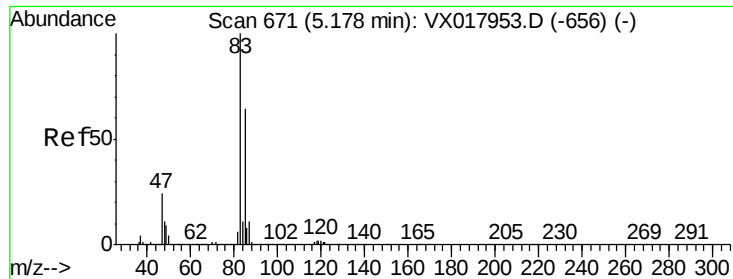
Tot Ion: 84 Resp: 10745
Ion Ratio Lower Upper
84 100
86 55.6 43.0 80.0
49 122.7 86.9 161.3



#22
cis-1,2-Dichloroethene
Concen: 0.357 ug/L
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX017956.D
Acq: 18 Aug 2020 11:55

Tgt Ion: 96 Resp: 8496
Ion Ratio Lower Upper
96 100
61 89.3 88.8 165.0
68 7.0 0.2 0.4#

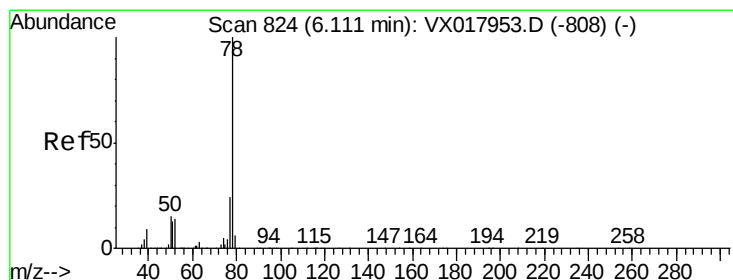
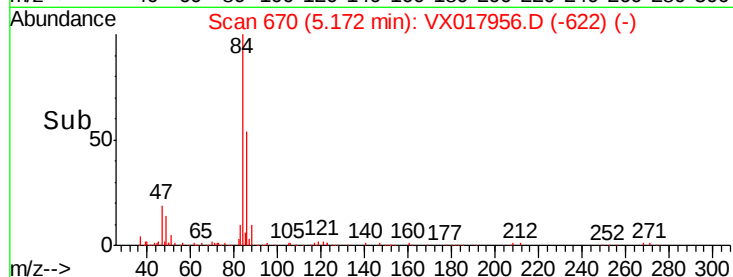
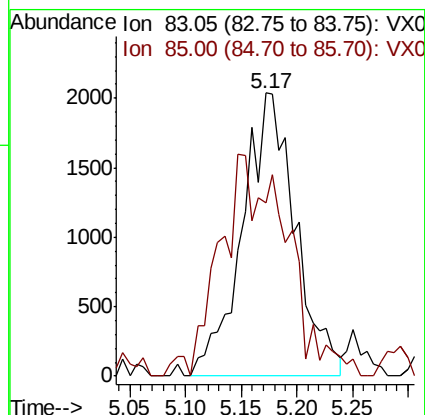
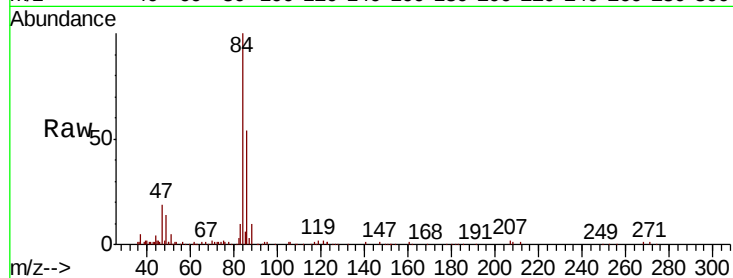




#25
Chloroform
Concen: 0.155 ug/L
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX017956.D
Acq: 18 Aug 2020 11:55

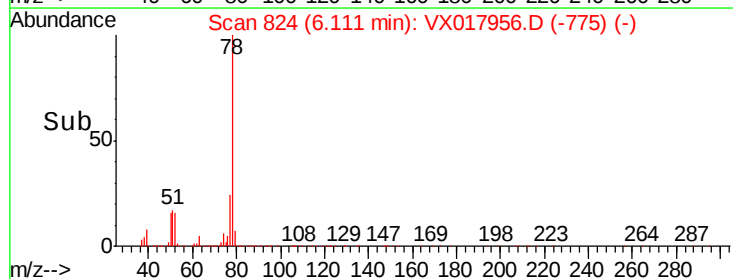
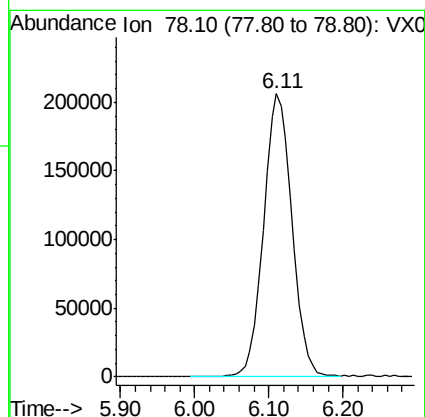
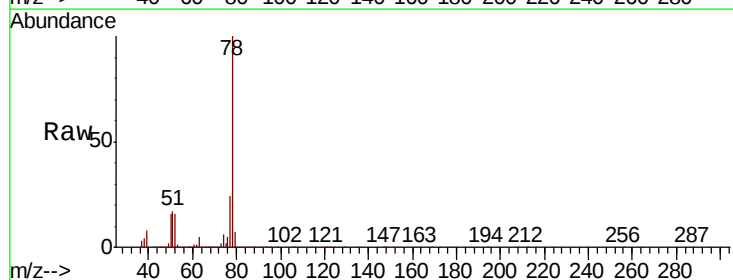
Instrument :
MSVOA_X
ClientSampled :
BG0M9DL2

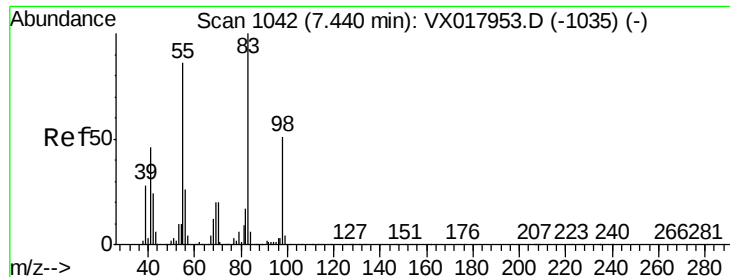
Tot Ion: 83 Resp: 6776
Ion Ratio Lower Upper
83 100
85 61.1 44.7 83.1



#33
Benzene
Concen: 5.973 ug/L
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX017956.D
Acq: 18 Aug 2020 11:55

Tgt Ion: 78 Resp: 549533





#35

Methylcyclohexane

Concen: 0.692 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.07 min

Lab File: VX017956.D

Acq: 18 Aug 2020 11:55

Instrument :

MSVOA_X

ClientSampleId :

BG0M9DL2

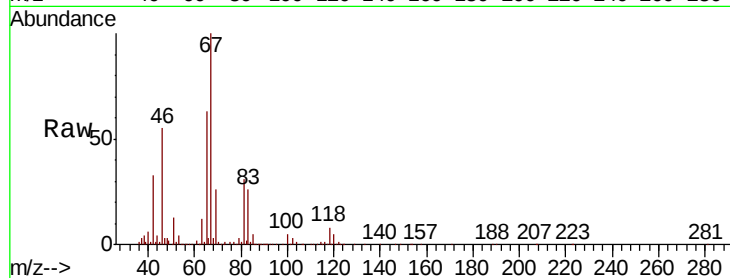
Tot Ion: 83 Resp: 26129

Ion Ratio Lower Upper

83 100

55 0.0 62.4 93.6#

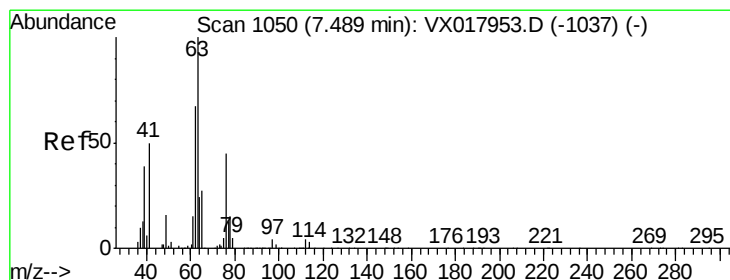
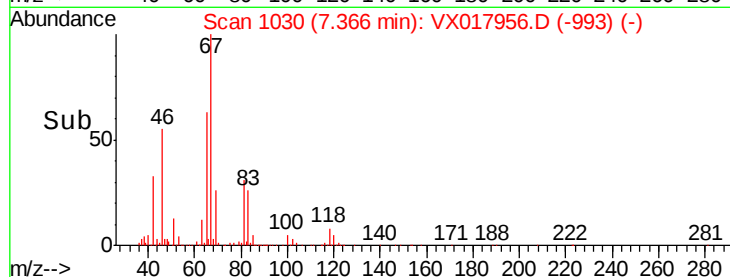
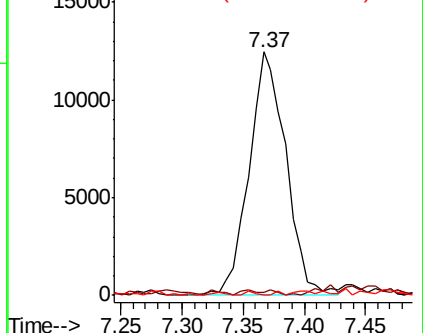
98 0.3 38.0 57.0#



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



#37

1,2-Dichloropropane

Concen: 0.559 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VX017956.D

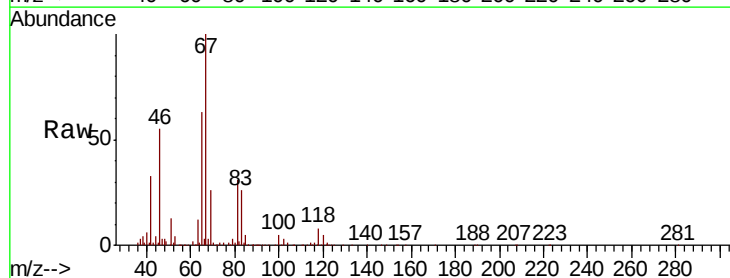
Acq: 18 Aug 2020 11:55

Tgt Ion: 63 Resp: 12922

Ion Ratio Lower Upper

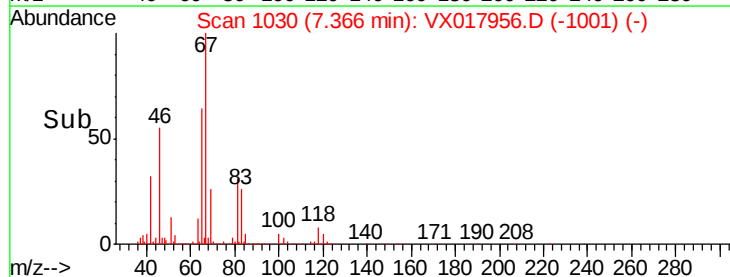
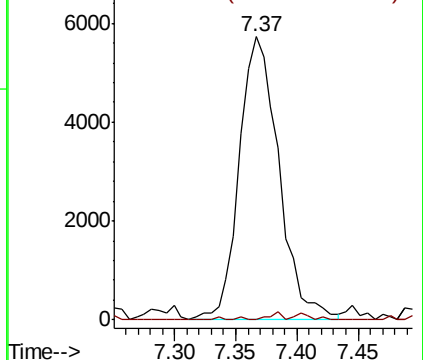
63 100

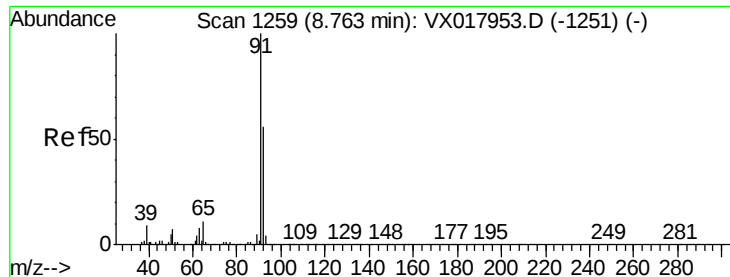
112 0.2 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 6.768 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017956.D

Acq: 18 Aug 2020 11:55

Instrument :

MSVOA_X

ClientSampleId :

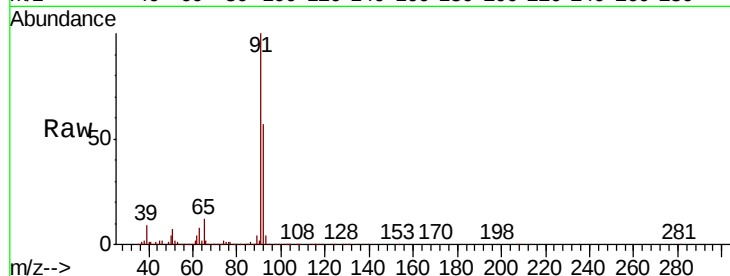
BG0M9DL2

Tot Ion: 91 Resp: 675981

Ion Ratio Lower Upper

91 100

92 56.7 38.8 72.0



Abundance Ion 91.15 (90.85 to 91.85): VX017953.D (-1251) (-)

Ion 92.15 (91.85 to 92.85): VX017956.D (-1210) (-)

8.77

500000

400000

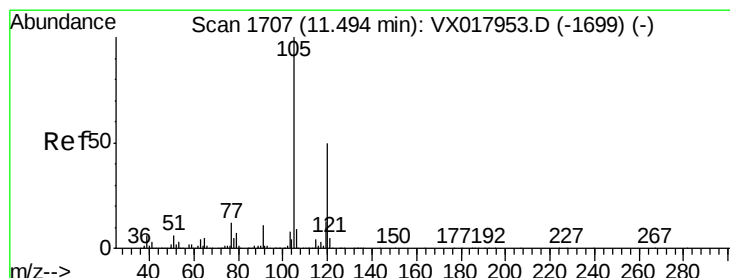
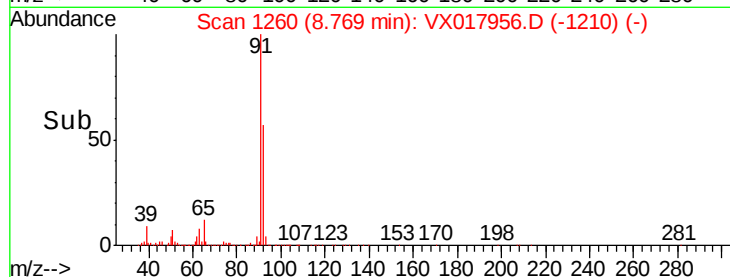
300000

200000

100000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 0.057 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017956.D

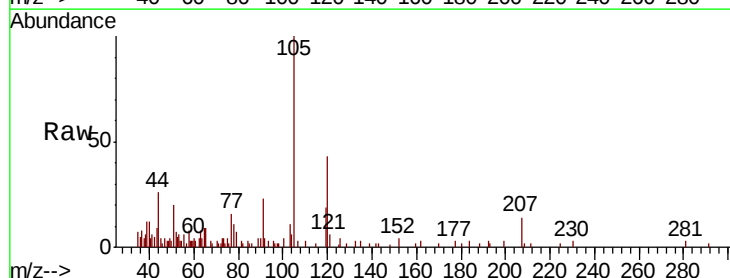
Acq: 18 Aug 2020 11:55

Tgt Ion:105 Resp: 5176

Ion Ratio Lower Upper

105 100

120 49.0 38.1 57.1



Abundance Ion 105.00 (104.70 to 105.70): VX017953.D (-1699) (-)

Ion 120.00 (119.70 to 120.70): VX017956.D (-1379) (-)

11.49

6000

5000

4000

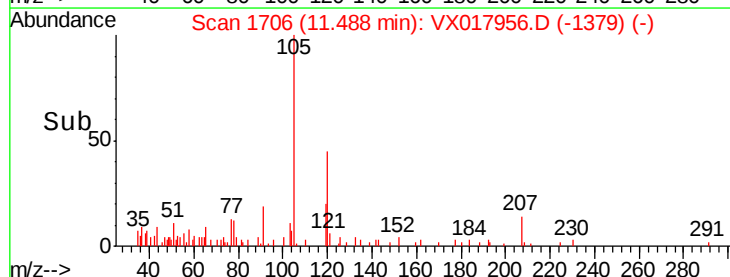
3000

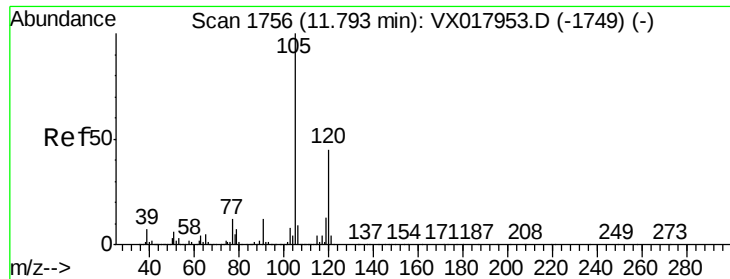
2000

1000

0

Time-->





#44

1,2,4-Trimethylbenzene

Concen: 0.194 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017956.D

Acq: 18 Aug 2020 11:55

Instrument :

MSVOA_X

ClientSampleId :

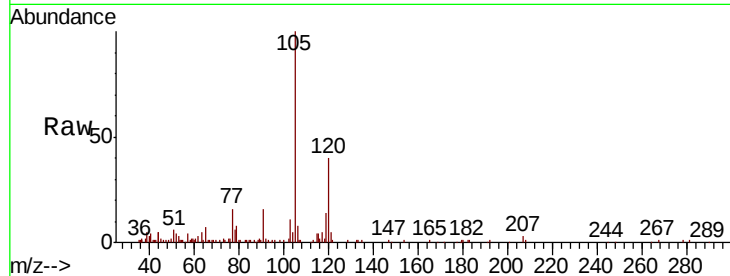
BG0M9DL2

Tot Ion:105 Resp: 18038

Ion Ratio Lower Upper

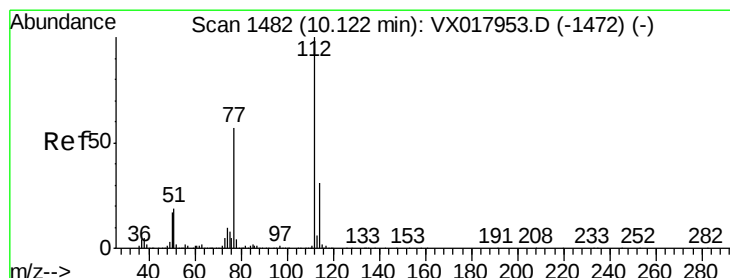
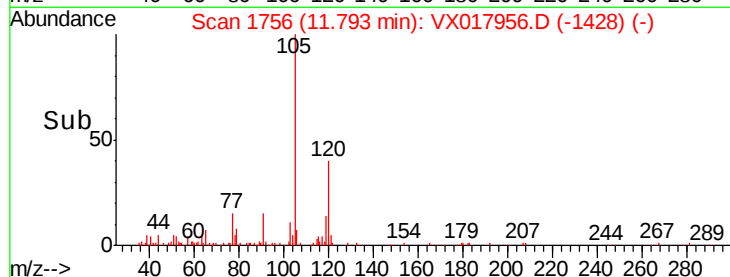
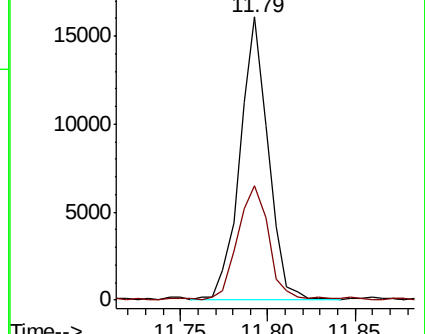
105 100

120 43.1 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#53

Chlorobenzene

Concen: 1.241 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017956.D

Acq: 18 Aug 2020 11:55

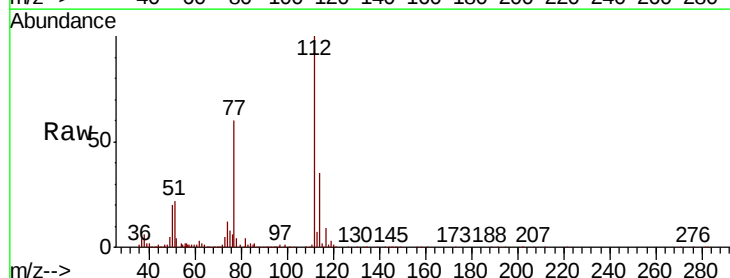
Tgt Ion:112 Resp: 80703

Ion Ratio Lower Upper

112 100

114 35.4 23.5 43.7

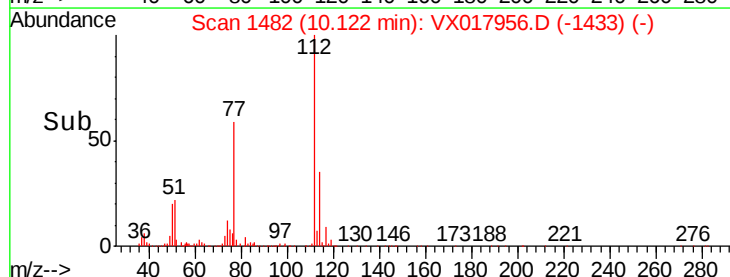
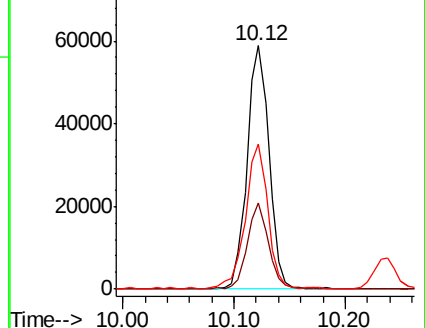
77 59.6 46.7 70.1

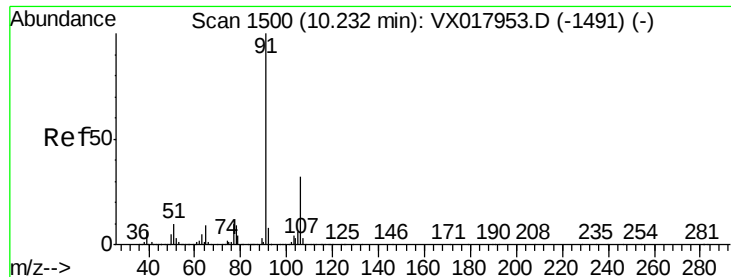


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 1.024 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017956.D

Acq: 18 Aug 2020 11:55

Instrument :

MSVOA_X

ClientSampled :

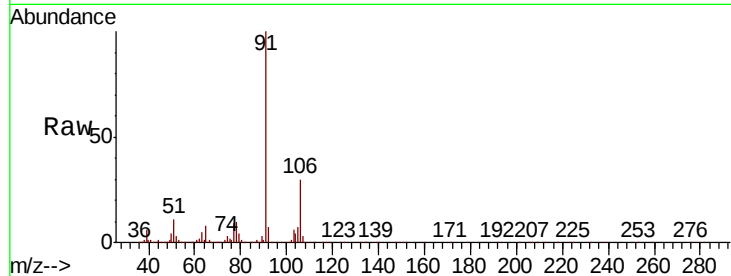
BG0M9DL2

Tot Ion: 91 Resp: 111564

Ion Ratio Lower Upper

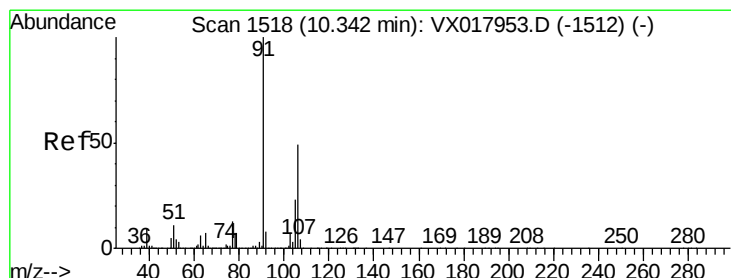
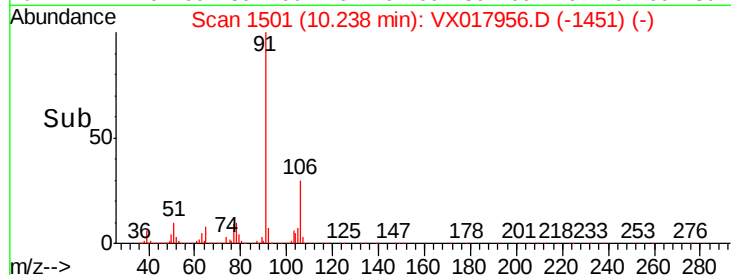
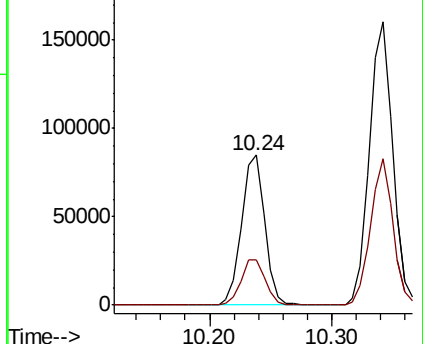
91 100

106 30.2 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V



#55

m,p-xylene

Concen: 2.544 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017956.D

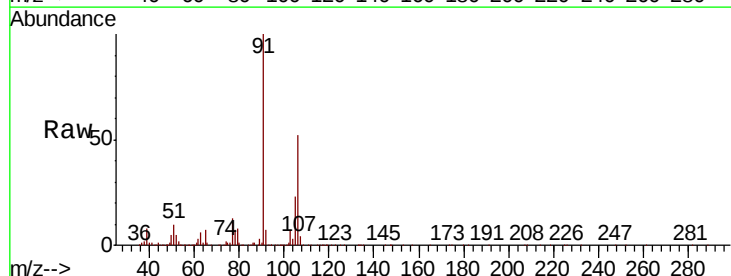
Acq: 18 Aug 2020 11:55

Tgt Ion: 106 Resp: 105885

Ion Ratio Lower Upper

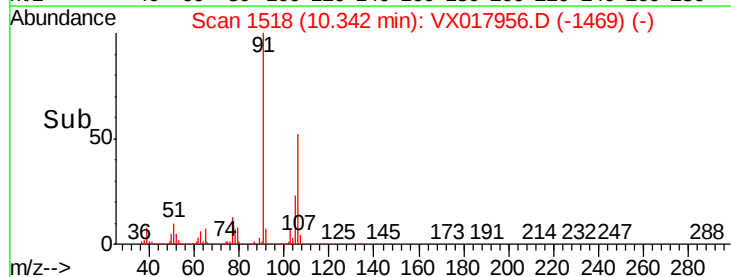
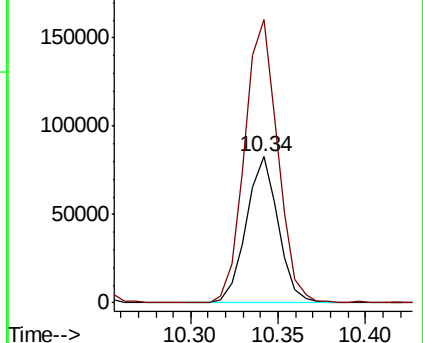
106 100

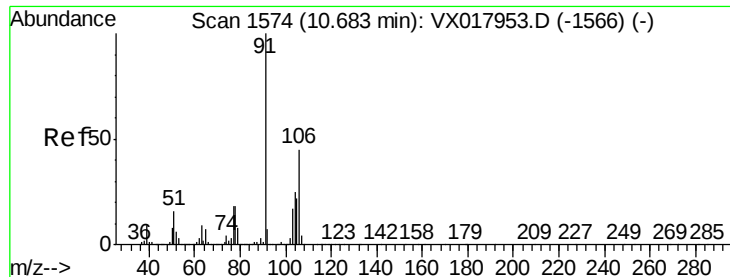
91 193.5 143.3 266.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

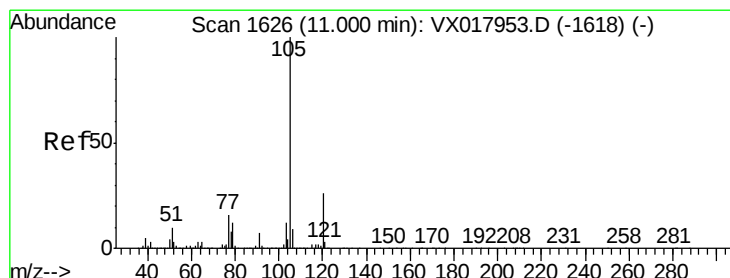
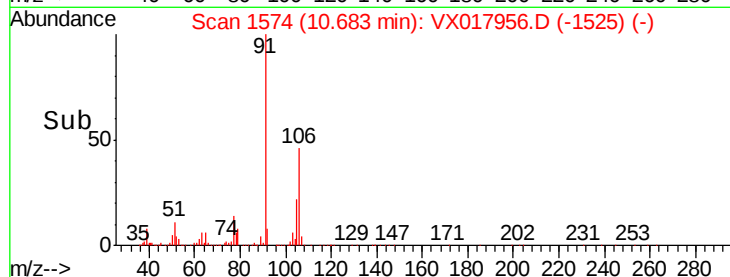
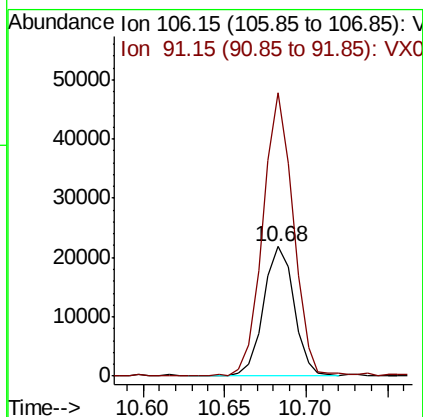
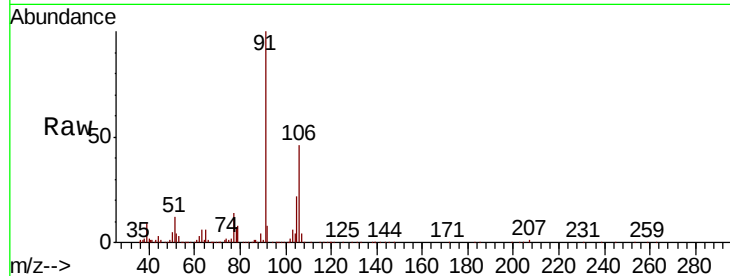




#56
o-xylene
Concen: 0.710 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017956.D
Acq: 18 Aug 2020 11:55

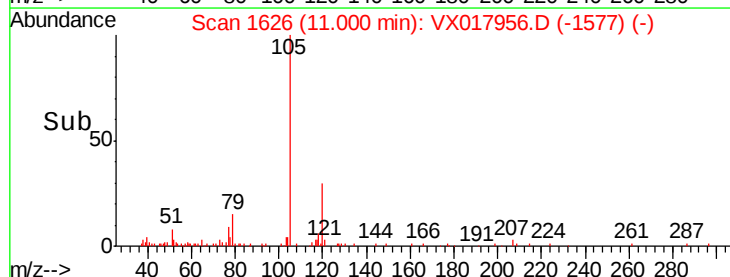
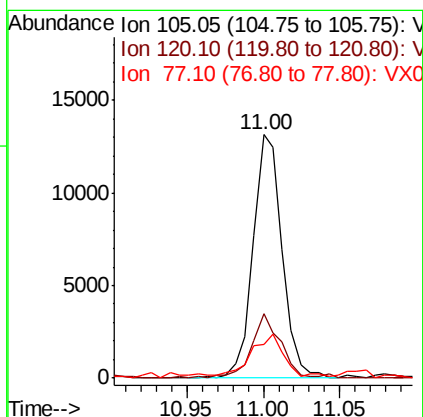
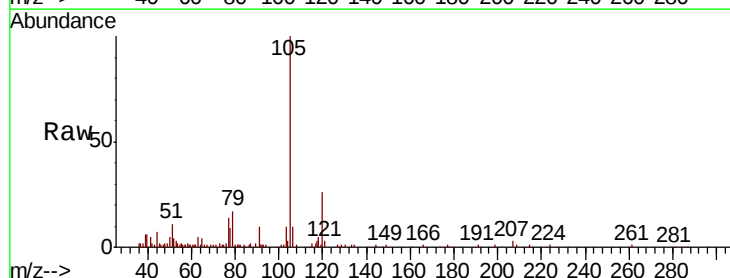
Instrument :
MSVOA_X
ClientSampled :
BG0M9DL2

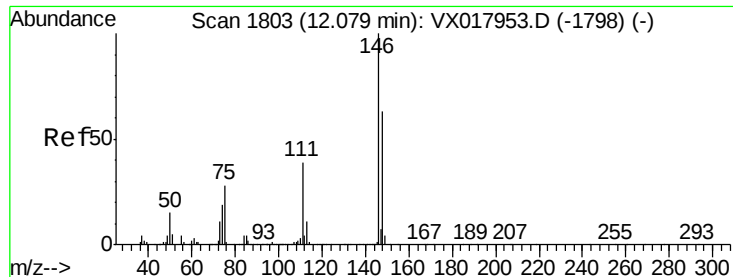
Tot Ion:106 Resp: 28637
Ion Ratio Lower Upper
106 100
91 219.1 149.8 278.2



#58
Isopropylbenzene
Concen: 0.161 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX017956.D
Acq: 18 Aug 2020 11:55

Tgt Ion:105 Resp: 17378
Ion Ratio Lower Upper
105 100
120 26.8 21.8 32.6
77 20.2 12.8 19.2#





#64

1,4-Dichlorobenzene

Concen: 0.080 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX017956.D

Acq: 18 Aug 2020 11:55

Instrument :

MSVOA_X

ClientSampleId :

BG0M9DL2

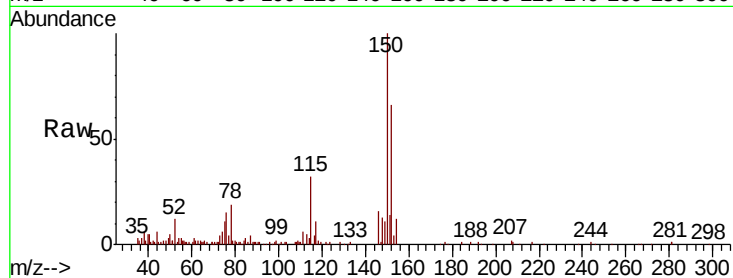
Tot Ion:146 Resp: 3458

Ion Ratio Lower Upper

146 100

111 35.2 26.0 48.2

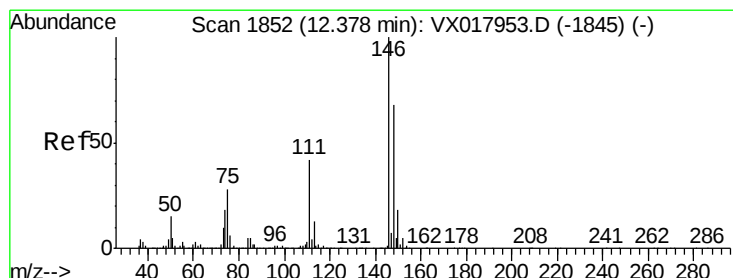
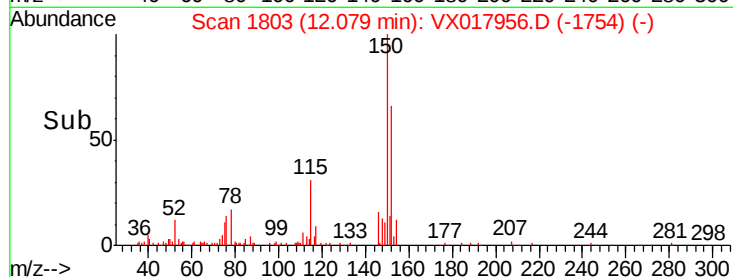
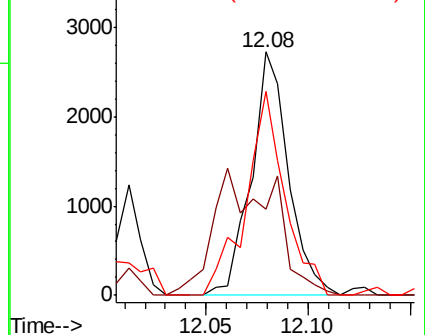
148 83.8 43.2 80.2#



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: 0.121 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX017956.D

Acq: 18 Aug 2020 11:55

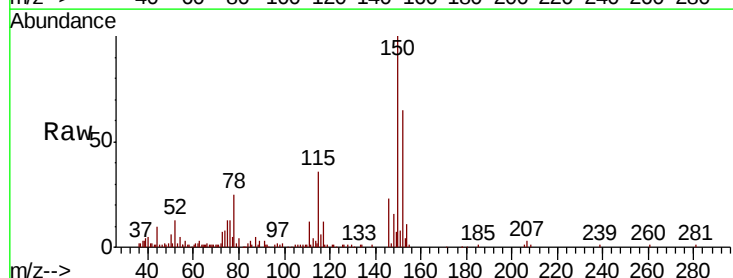
Tgt Ion:146 Resp: 4866

Ion Ratio Lower Upper

146 100

111 50.6 32.2 48.4#

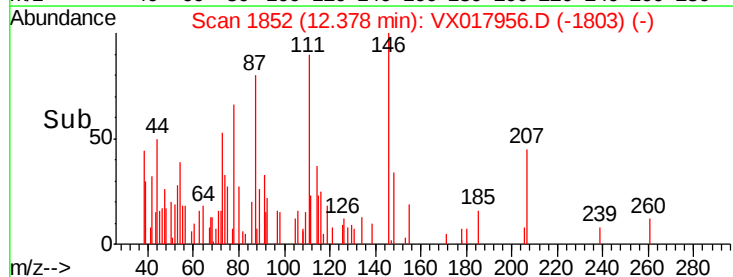
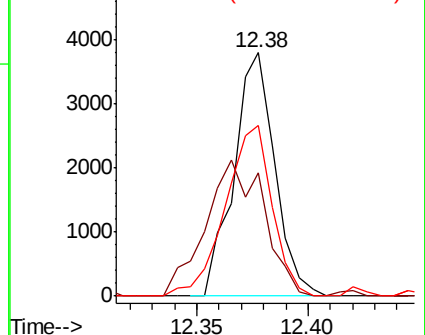
148 69.9 52.3 78.5

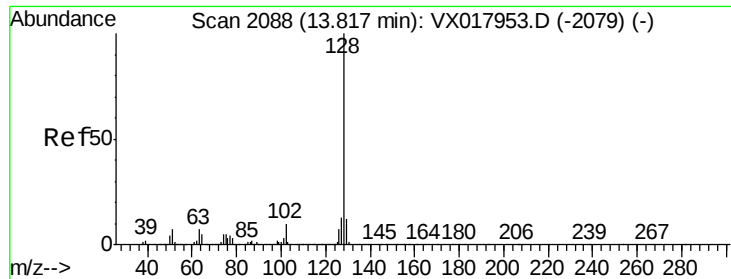


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#70

Naphthalene

Concen: 0.188 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017956.D

Acq: 18 Aug 2020 11:55

Instrument :

MSVOA_X

ClientSampleId :

BG0M9DL2

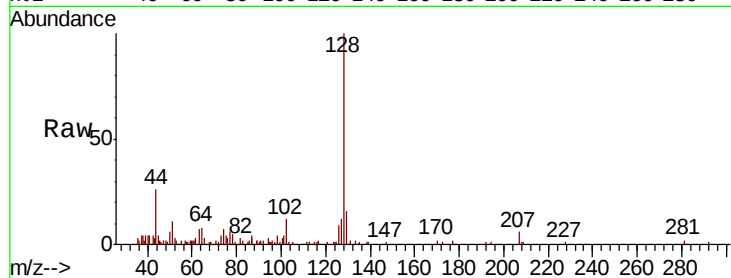
Tot Ion:128 Resp: 9791

Ion Ratio Lower Upper

128 100

129 13.7 8.4 12.6#

127 17.1 11.0 16.4#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

