

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081820\
 Data File : VX017958.D
 Acq On : 18 Aug 2020 12:45
 Operator : JC/SP
 Sample : L3697-06
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0N3

Quant Time: Aug 19 01:31:36 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	250994	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	253144	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	110912	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	68784	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.69	69	65659	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.34	63	107501	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	4.53	46	286451	62.19	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.38%
24) Chloroform-d	5.14	84	179950	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	6.03	65	105048	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	6.05	84	311141	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	7.37	67	106992	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	8.70	98	251106	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.00%
45) trans-1,3-Dichloropropene-	8.99	79	42166	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
48) 2-Hexanone-d5	9.43	63	206801	53.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.96%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	87685	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	111240	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.31	50	3806	0.160	ug/L	95
8) Chloroethane	1.72	64	43360	3.279	ug/L	100
13) Acetone	2.42	43	7350	2.184	ug/L	90
15) Methyl Acetate	2.73	43	865	0.087	ug/L #	65
17) Methyl tert-butyl Ether	3.17	73	13445	0.261	ug/L #	72
19) 1,1-Dichloroethane	3.67	63	51142	1.313	ug/L	95
22) cis-1,2-Dichloroethene	4.56	96	5179	0.226	ug/L #	92
25) Chloroform	5.18	83	16492	0.393	ug/L	95
29) 1,1,1-Trichloroethane	5.46	97	5393	0.130	ug/L #	79
33) Benzene	6.11	78	82851	0.924	ug/L	100
35) Methylcyclohexane	7.37	83	28069	0.763	ug/L #	19
42) Toluene	8.76	91	103379	1.063	ug/L	92
49) Tetrachloroethene	9.32	164	3586	0.171	ug/L	90
53) Chlorobenzene	10.12	112	14185	0.224	ug/L	93
54) Ethylbenzene	10.24	91	14852	0.140	ug/L	94
55) m,p-xylene	10.34	106	15749	0.388	ug/L	99
56) o-xylene	10.68	106	6074	0.155	ug/L	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081820\
Data File : VX017958.D
Acq On : 18 Aug 2020 12:45
Operator : JC/SP
Sample : L3697-06
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BG0N3

Quant Time: Aug 19 01:31:36 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

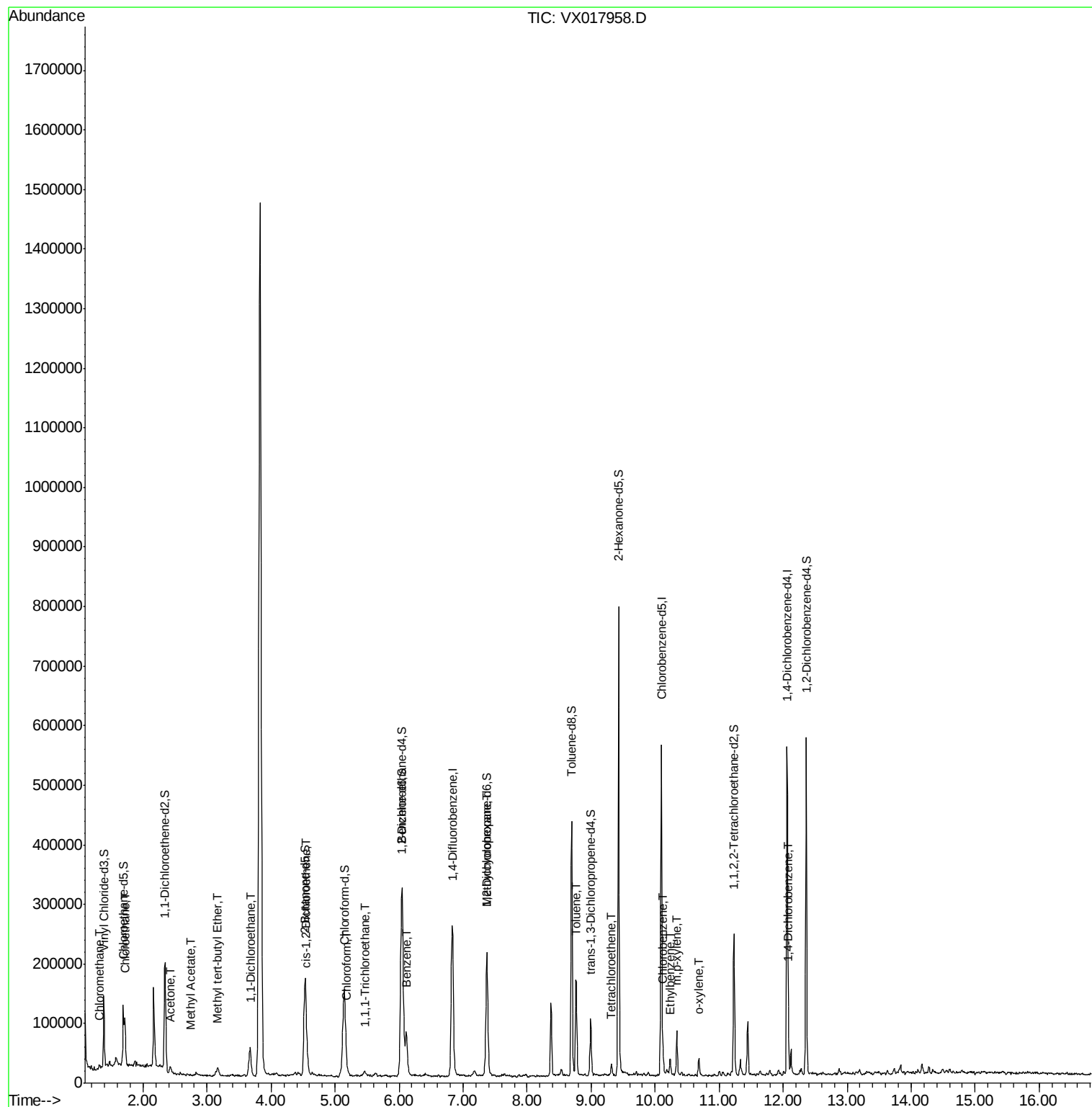
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,4-Dichlorobenzene	12.09	146	17091	0.398	ug/L	95

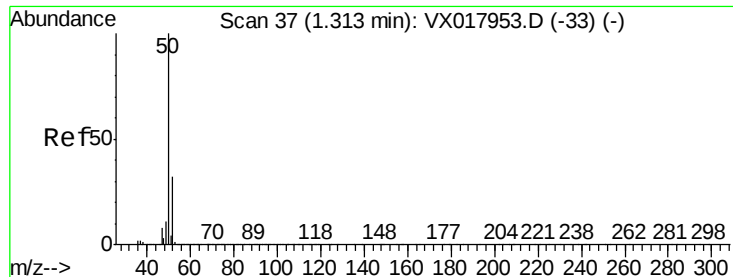
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081820\
Data File : VX017958.D
Acq On : 18 Aug 2020 12:45
Operator : JC/SP
Sample : L3697-06
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BG0N3

Quant Time: Aug 19 01:31:36 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

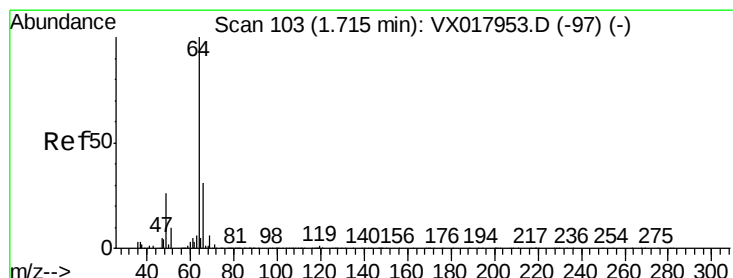
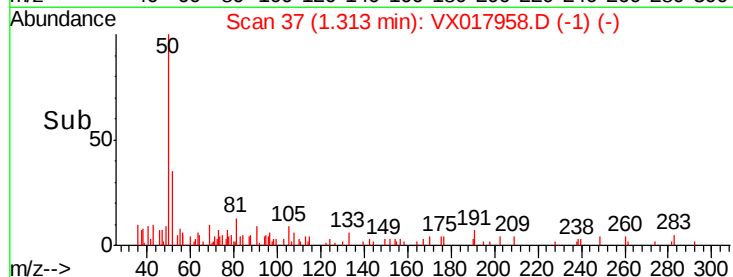
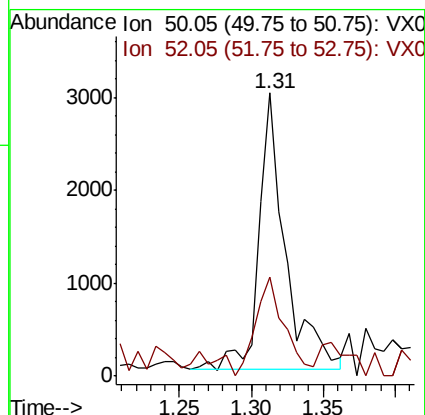
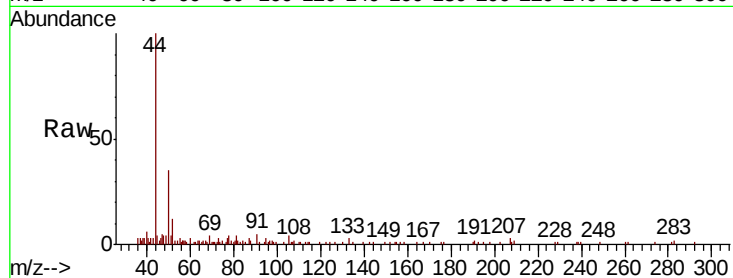




#3
Chloromethane
Concen: 0.160 ug/L
RT: 1.31 min Scan# 37
Delta R.T. 0.00 min
Lab File: VX017958.D
Acq: 18 Aug 2020 12:45

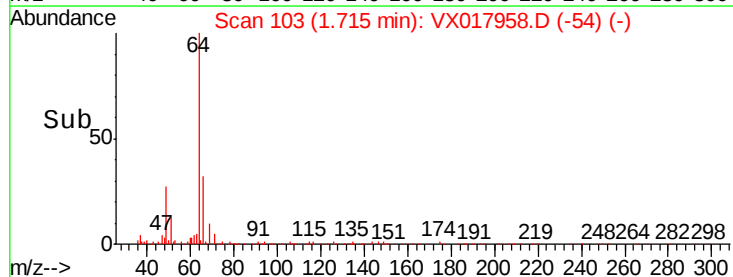
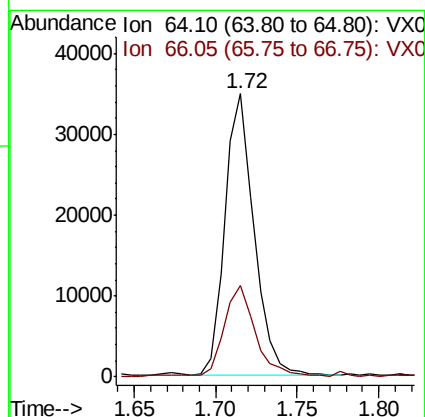
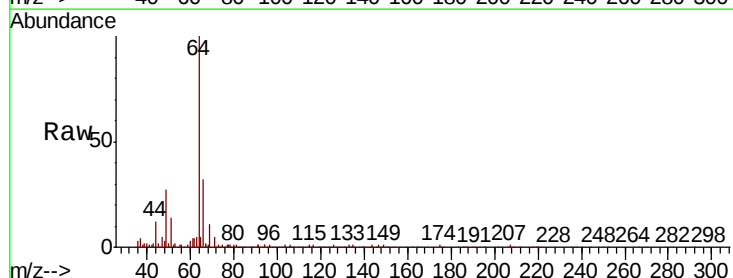
Instrument :
MSVOA_X
ClientSampleId :
BG0N3

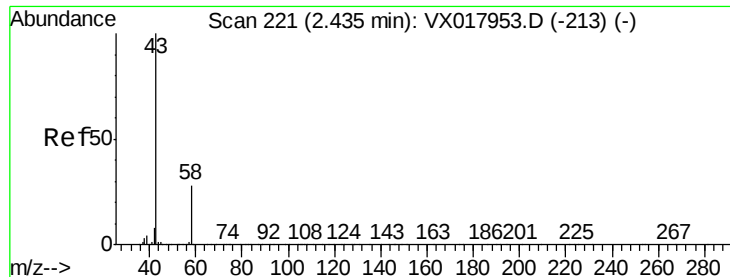
Tot Ion: 50 Resp: 3806
Ion Ratio Lower Upper
50 100
52 35.0 22.5 41.9



#8
Chloroethane
Concen: 3.279 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX017958.D
Acq: 18 Aug 2020 12:45

Tgt Ion: 64 Resp: 43360
Ion Ratio Lower Upper
64 100
66 32.5 22.6 42.0





#13

Acetone

Concen: 2.184 ug/L

RT: 2.42 min Scan# 218

Delta R.T. -0.02 min

Lab File: VX017958.D

Acq: 18 Aug 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

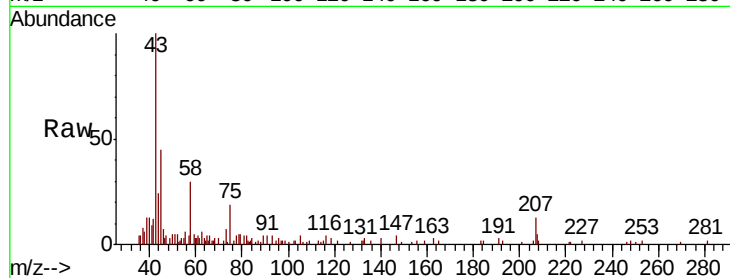
BG0N3

Tot Ion: 43 Resp: 7350

Ion Ratio Lower Upper

43 100

58 36.0 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

4000

3000

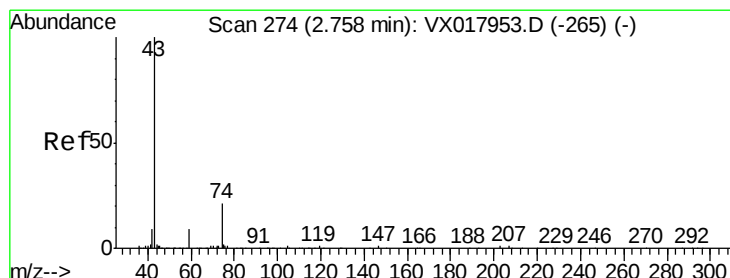
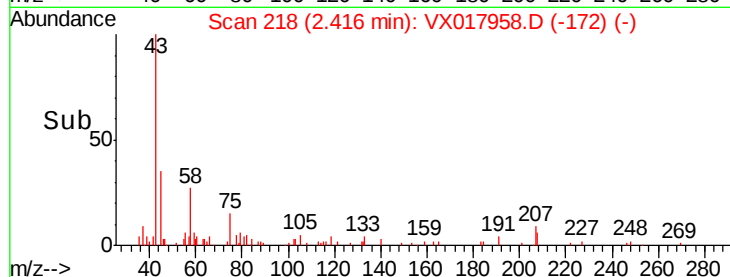
2000

1000

0

2.35 2.40 2.45 2.50

Time-->



#15

Methyl Acetate

Concen: 0.087 ug/L

RT: 2.73 min Scan# 270

Delta R.T. -0.02 min

Lab File: VX017958.D

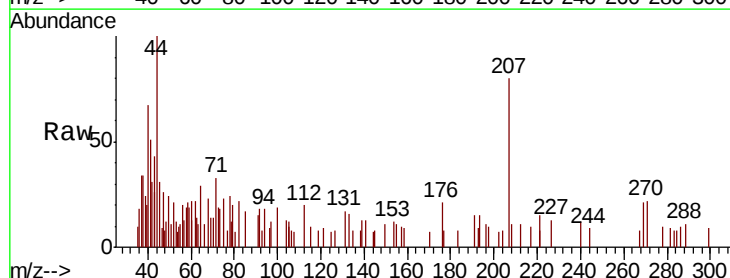
Acq: 18 Aug 2020 12:45

Tgt Ion: 43 Resp: 865

Ion Ratio Lower Upper

43 100

74 7.7 20.4 30.6#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

2.73

600

500

400

300

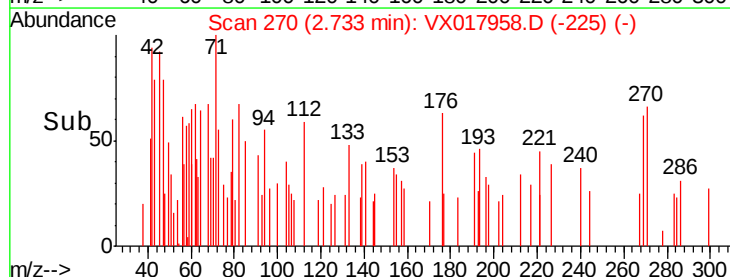
200

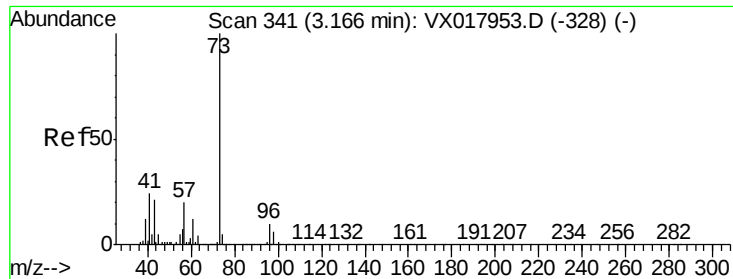
100

0

2.70 2.75 2.80

Time-->

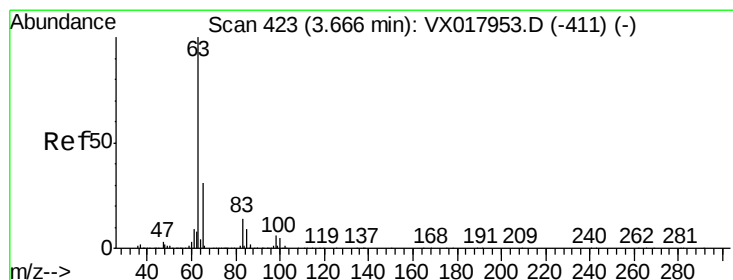
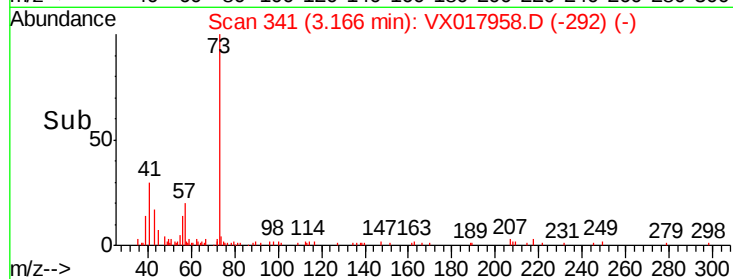
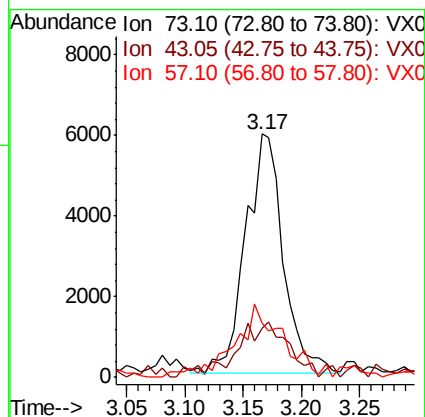
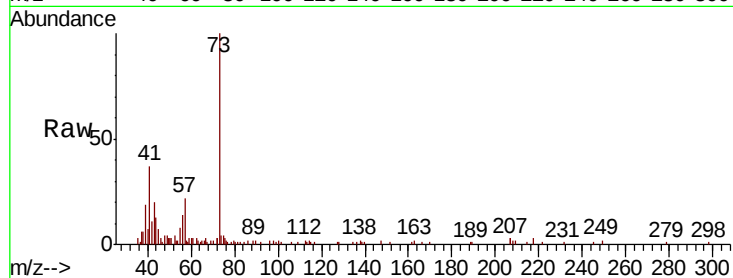




#17
Methvl tert-butvl Ether
Concen: 0.261 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX017958.D
Acq: 18 Aug 2020 12:45

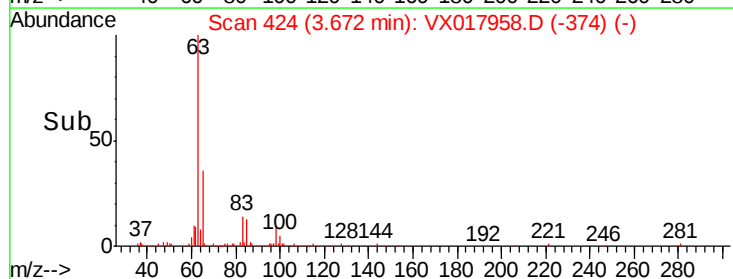
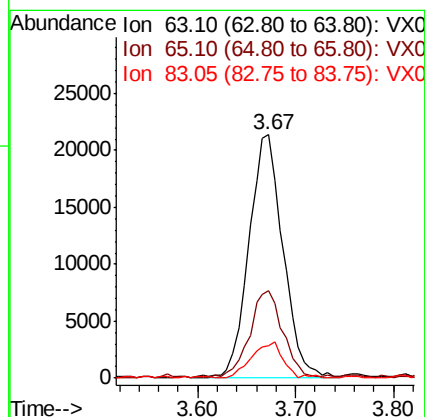
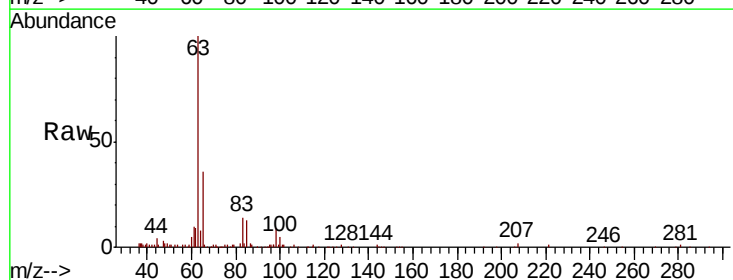
Instrument :
MSVOA_X
ClientSampleId :
BG0N3

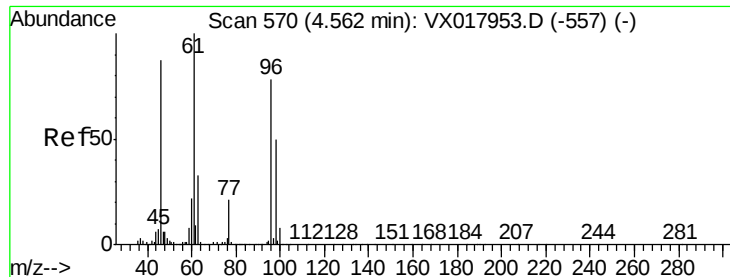
Tot Ion: 73 Resp: 13445
Ion Ratio Lower Upper
73 100
43 32.2 17.7 26.5#
57 37.8 17.0 25.6#



#19
1,1-Dichloroethane
Concen: 1.313 ug/L
RT: 3.67 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX017958.D
Acq: 18 Aug 2020 12:45

Tgt Ion: 63 Resp: 51142
Ion Ratio Lower Upper
63 100
65 35.9 22.6 42.0
83 13.6 9.5 17.7





#22

cis-1,2-Dichloroethene

Concen: 0.226 ug/L

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX017958.D

Acq: 18 Aug 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

BG0N3

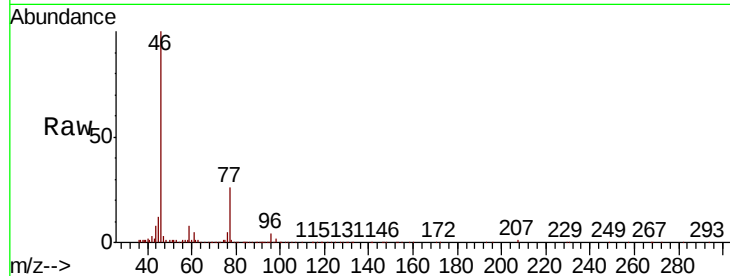
Tot Ion: 96 Resp: 5179

Ion Ratio Lower Upper

96 100

61 117.3 88.8 165.0

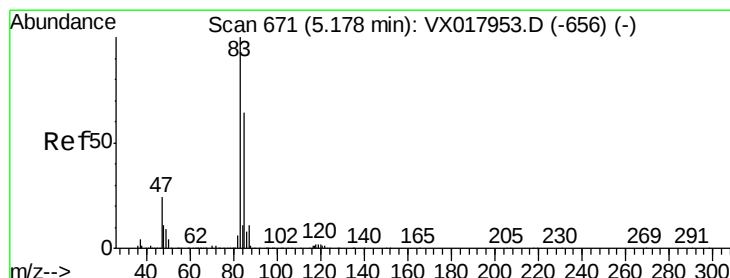
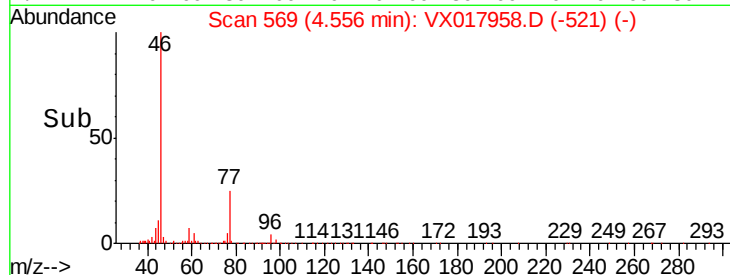
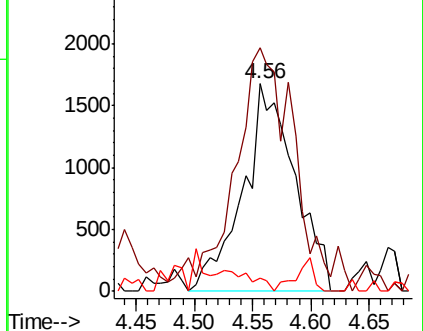
68 6.4 0.2 0.4#



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



#25

Chloroform

Concen: 0.393 ug/L

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX017958.D

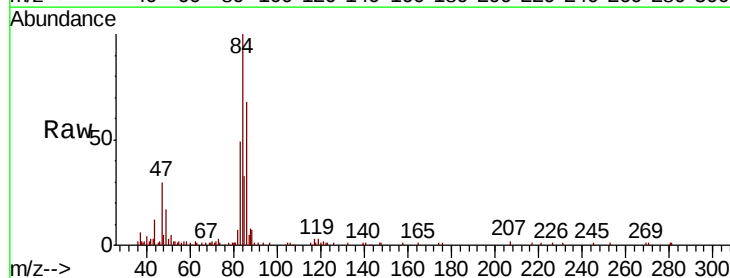
Acq: 18 Aug 2020 12:45

Tgt Ion: 83 Resp: 16492

Ion Ratio Lower Upper

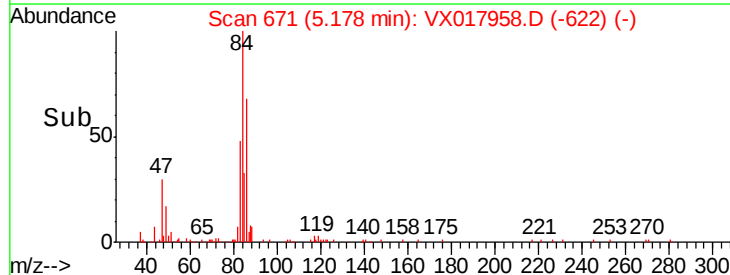
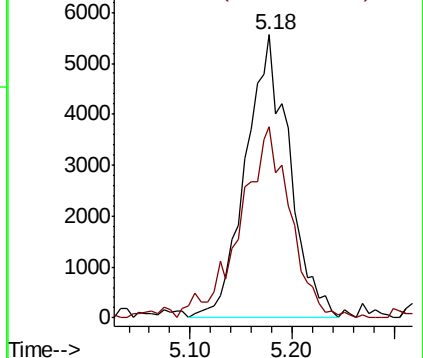
83 100

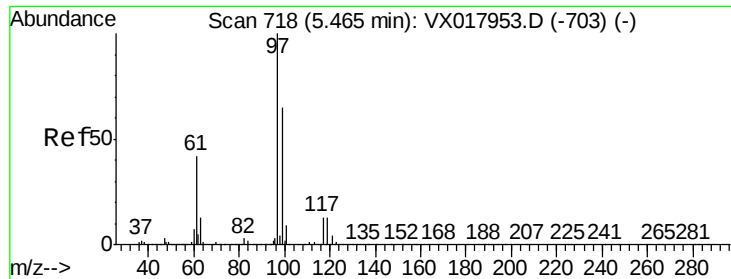
85 67.5 44.7 83.1



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0

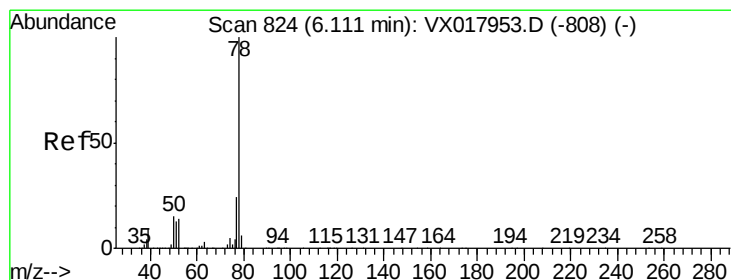
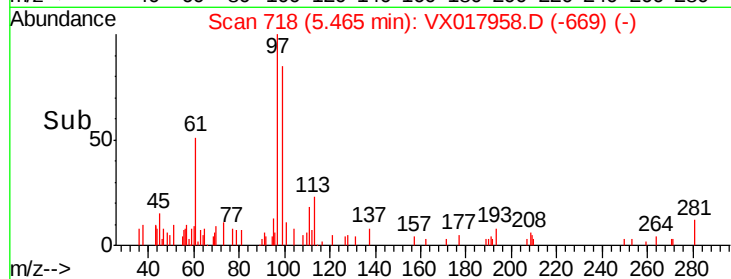
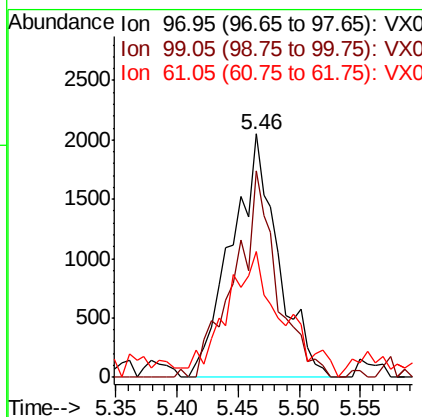
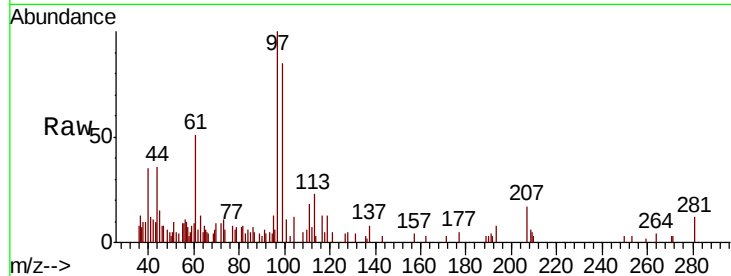




#29
 1,1,1-Trichloroethane
 Concen: 0.130 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX017958.D
 Acq: 18 Aug 2020 12:45

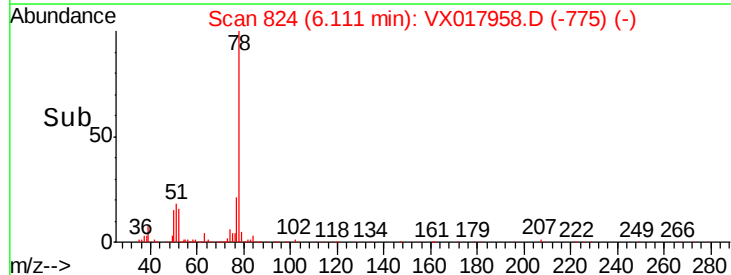
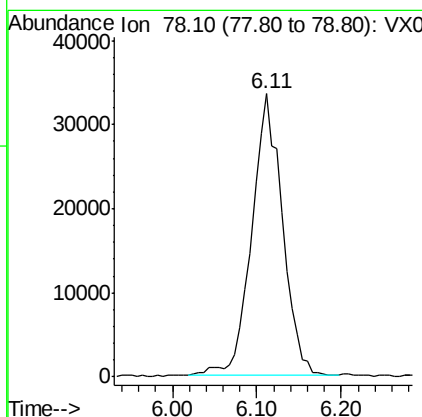
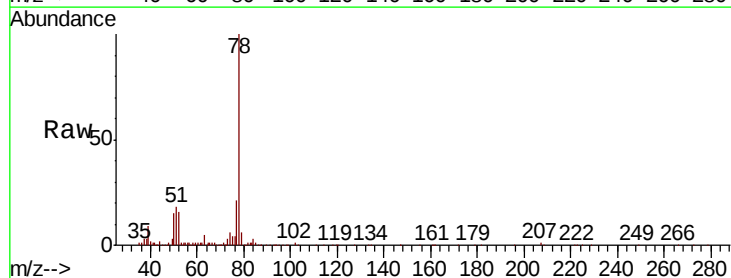
Instrument :
 MSVOA_X
 ClientSampled :
 BG0N3

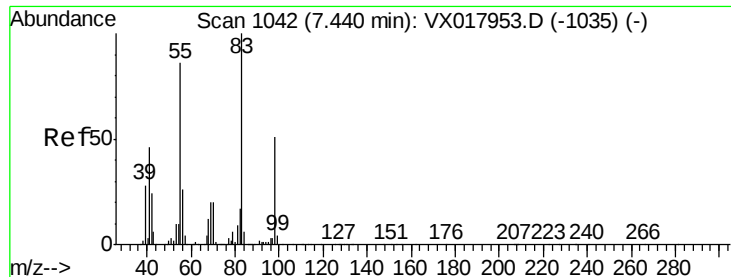
Tot Ion: 97 Resp: 5393
 Ion Ratio Lower Upper
 97 100
 99 76.8 52.2 78.2
 61 62.0 33.8 50.6#



#33
 Benzene
 Concen: 0.924 ug/L
 RT: 6.11 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VX017958.D
 Acq: 18 Aug 2020 12:45

Tgt Ion: 78 Resp: 82851

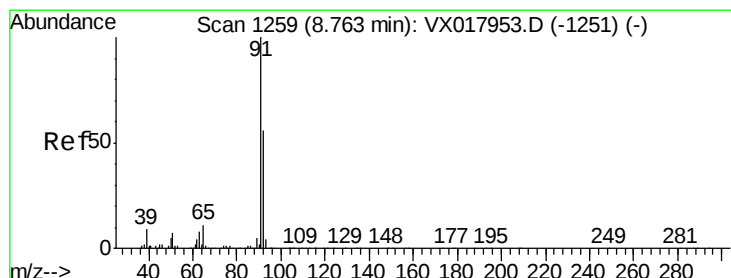
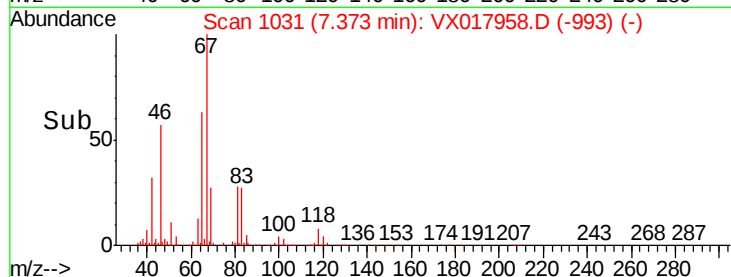
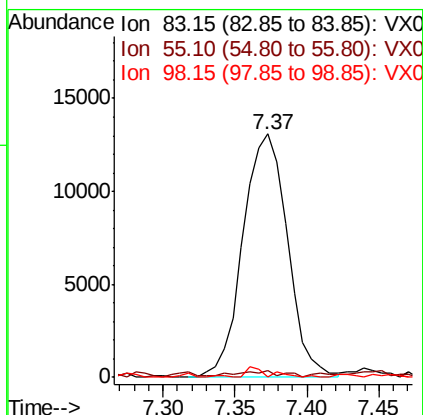
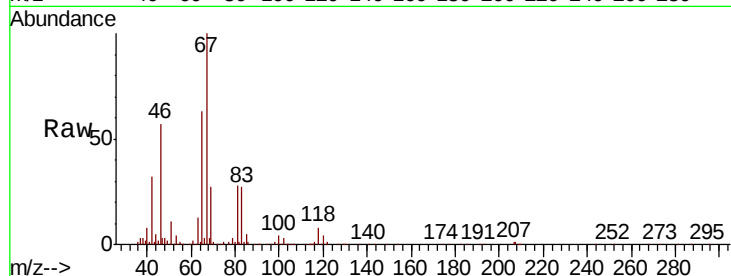




#35
Methvlcvclohexane
Concen: 0.763 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.07 min
Lab File: VX017958.D
Acq: 18 Aug 2020 12:45

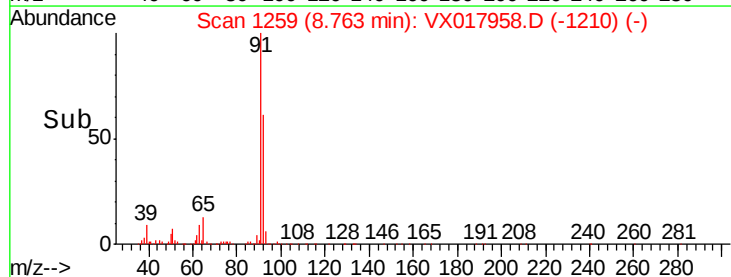
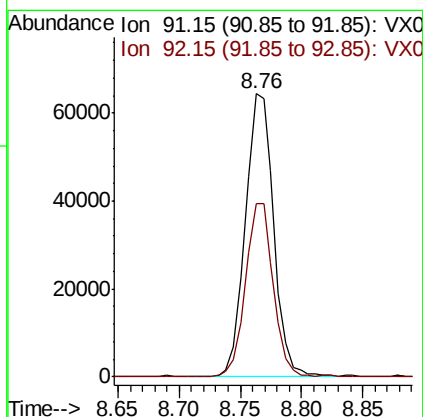
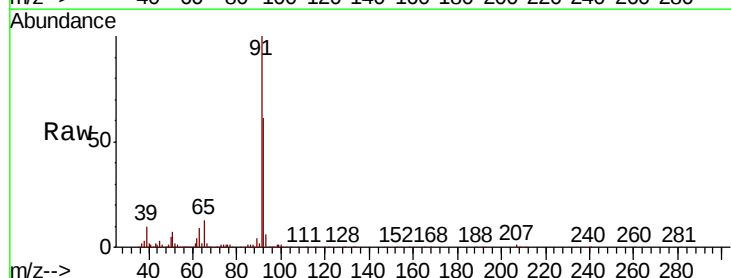
Instrument :
MSVOA_X
ClientSampleId :
BG0N3

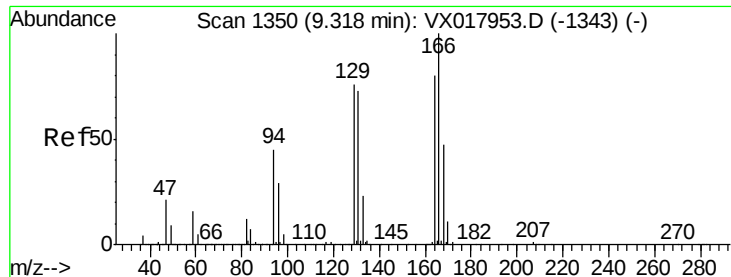
Tot Ion: 83 Resp: 28069
Ion Ratio Lower Upper
83 100
55 1.7 62.4 93.6#
98 1.3 38.0 57.0#



#42
Toluene
Concen: 1.063 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX017958.D
Acq: 18 Aug 2020 12:45

Tgt Ion: 91 Resp: 103379
Ion Ratio Lower Upper
91 100
92 61.3 38.8 72.0





#49

Tetrachloroethene

Concen: 0.171 ug/L

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX017958.D

Acq: 18 Aug 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

BG0N3

Tot Ion:164 Resp: 3586

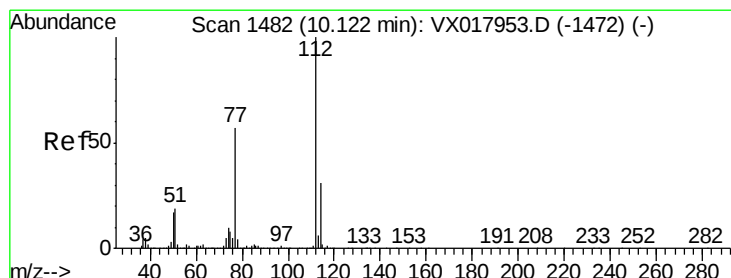
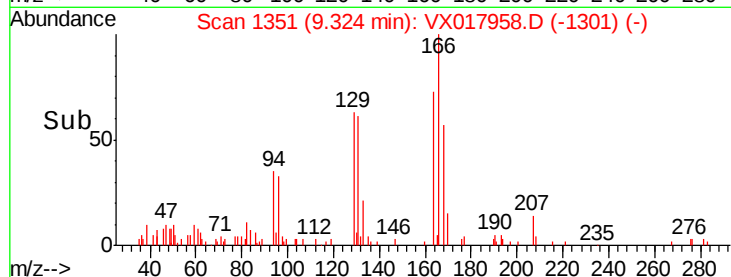
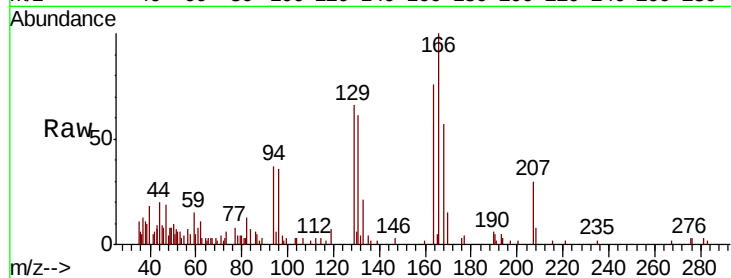
Ion Ratio Lower Upper

164 100

129 87.0 67.4 125.2

131 80.7 65.3 121.3

166 132.2 87.2 161.9



#53

Chlorobenzene

Concen: 0.224 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017958.D

Acq: 18 Aug 2020 12:45

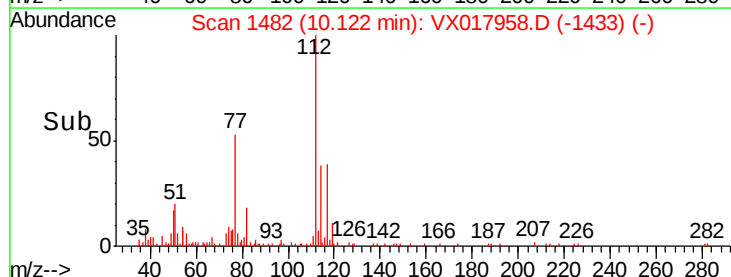
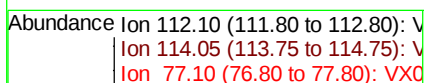
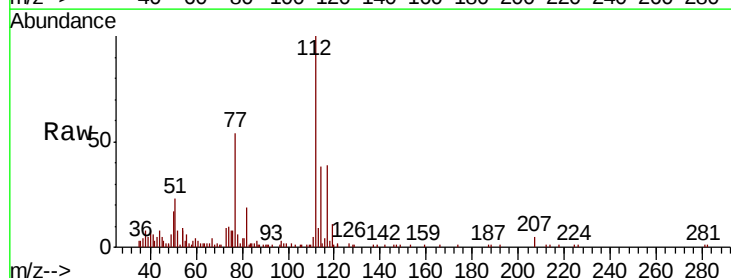
Tgt Ion:112 Resp: 14185

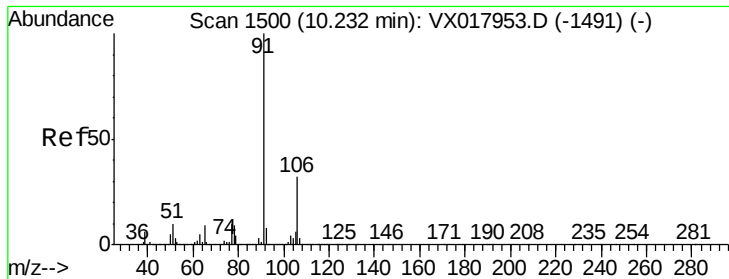
Ion Ratio Lower Upper

112 100

114 37.5 23.5 43.7

77 53.6 46.7 70.1





#54

Ethylbenzene

Concen: 0.140 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017958.D

Acq: 18 Aug 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

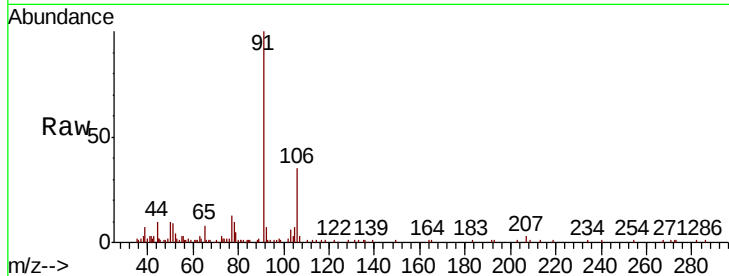
BG0N3

Tot Ion: 91 Resp: 14852

Ion Ratio Lower Upper

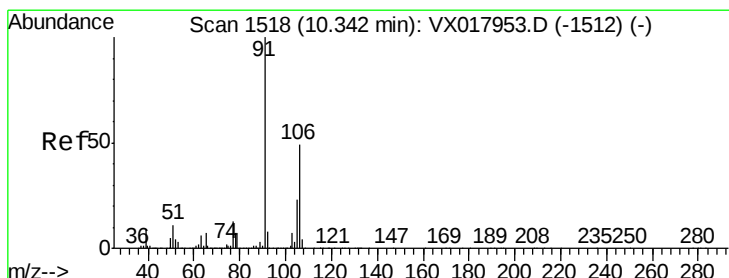
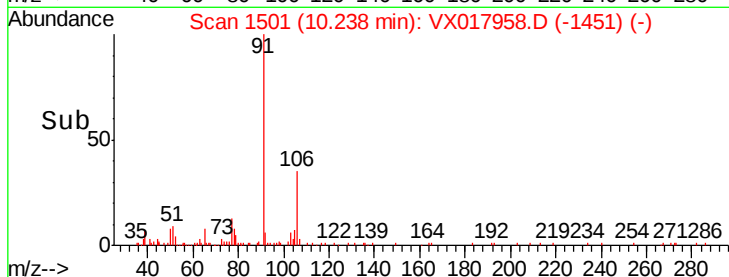
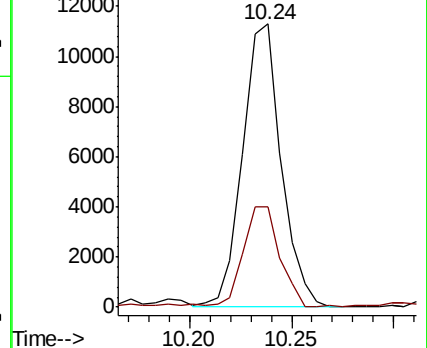
91 100

106 35.3 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: 0.388 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017958.D

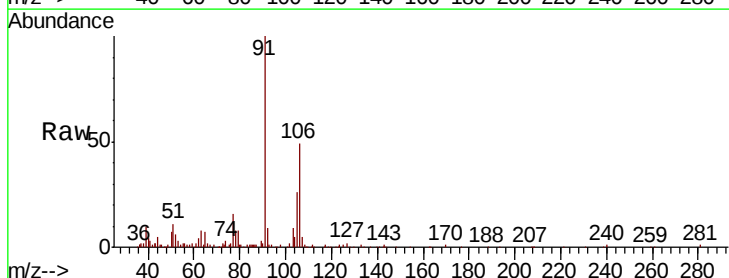
Acq: 18 Aug 2020 12:45

Tgt Ion: 106 Resp: 15749

Ion Ratio Lower Upper

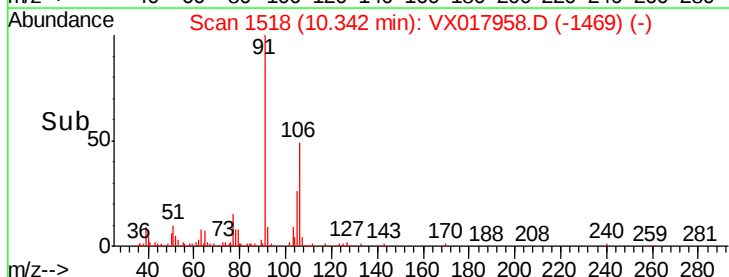
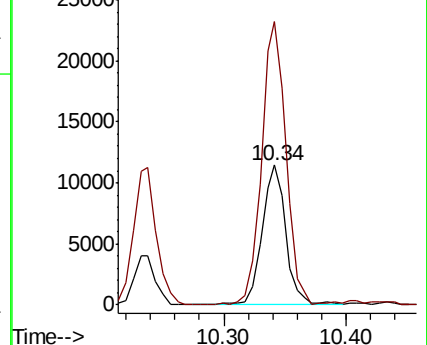
106 100

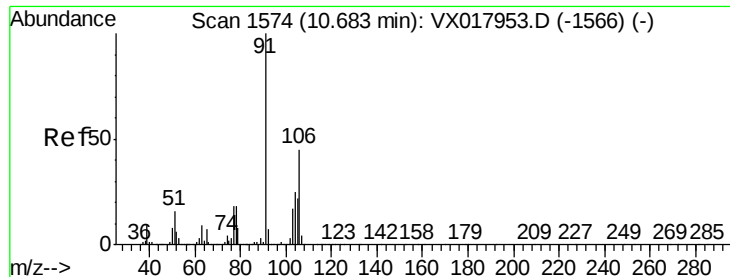
91 202.9 143.3 266.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#56

o-xylene

Concen: 0.155 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017958.D

Acq: 18 Aug 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

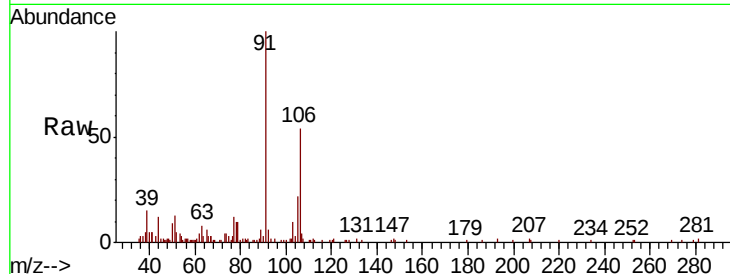
BG0N3

Tot Ion:106 Resp: 6074

Ion Ratio Lower Upper

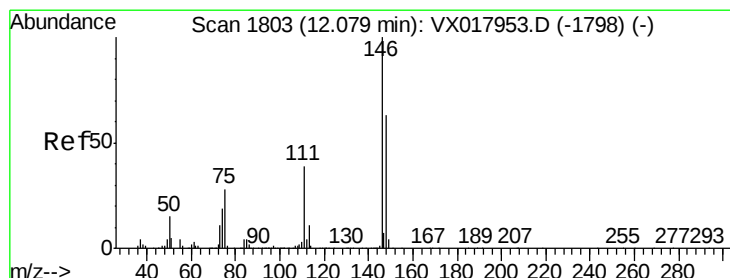
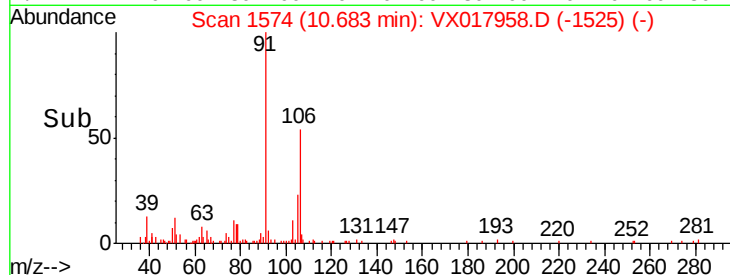
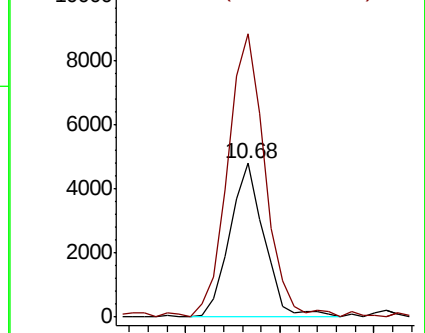
106 100

91 184.4 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#64

1,4-Dichlorobenzene

Concen: 0.398 ug/L

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX017958.D

Acq: 18 Aug 2020 12:45

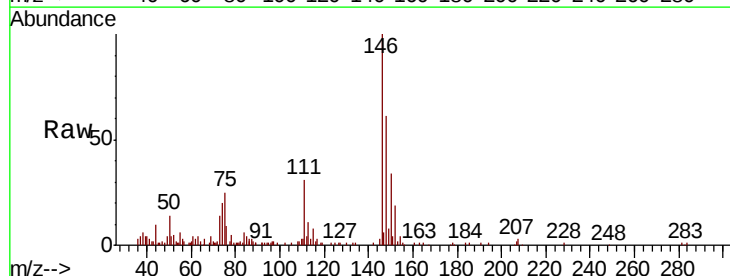
Tgt Ion:146 Resp: 17091

Ion Ratio Lower Upper

146 100

111 30.7 26.0 48.2

148 60.8 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

