

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO081420\
 Data File : VX017898.D
 Acq On : 14 Aug 2020 14:28
 Operator : JC/SP
 Sample : L3697-03
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0N0

Quant Time: Aug 17 05:21:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 17 04:16:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	279977	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	251469	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	131152	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	94877	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.69	69	78877	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.34	63	144632	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.53	46	230464	44.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.72%
24) Chloroform-d	5.14	84	178687	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	6.04	65	104015	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	6.04	84	348797	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	7.37	67	111136	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	8.70	98	297693	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
45) trans-1,3-Dichloropropene-	8.99	79	46095	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
48) 2-Hexanone-d5	9.43	63	183921	47.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.76%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	79340	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	126827	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
8) Chloroethane	1.71	64	20753	1.407	ug/L	97
13) Acetone	2.42	43	4555	1.213	ug/L	86
14) Carbon disulfide	2.55	76	5649	0.073	ug/L #	72
17) Methyl tert-butyl Ether	3.17	73	33939	0.591	ug/L #	1
25) Chloroform	5.17	83	17108	0.366	ug/L	88
30) Cyclohexane	5.56	56	4523	0.126	ug/L #	91
33) Benzene	6.12	78	921330	10.349	ug/L	100
42) Toluene	8.77	91	60144	0.622	ug/L	96
53) Chlorobenzene	10.12	112	323839	5.148	ug/L	98
54) Ethylbenzene	10.24	91	187880	1.781	ug/L	100
55) m,p-xylene	10.34	106	49014	1.217	ug/L	98
56) o-xylene	10.68	106	374363	9.588	ug/L	94
58) Isopropylbenzene	11.01	105	192204	1.839	ug/L	99
63) 1,3-Dichlorobenzene	12.01	146	5260	0.103	ug/L	97
64) 1,4-Dichlorobenzene	12.08	146	46153	0.908	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	30734	0.648	ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 17 04:16:10 2020
Response via : Initial Calibration

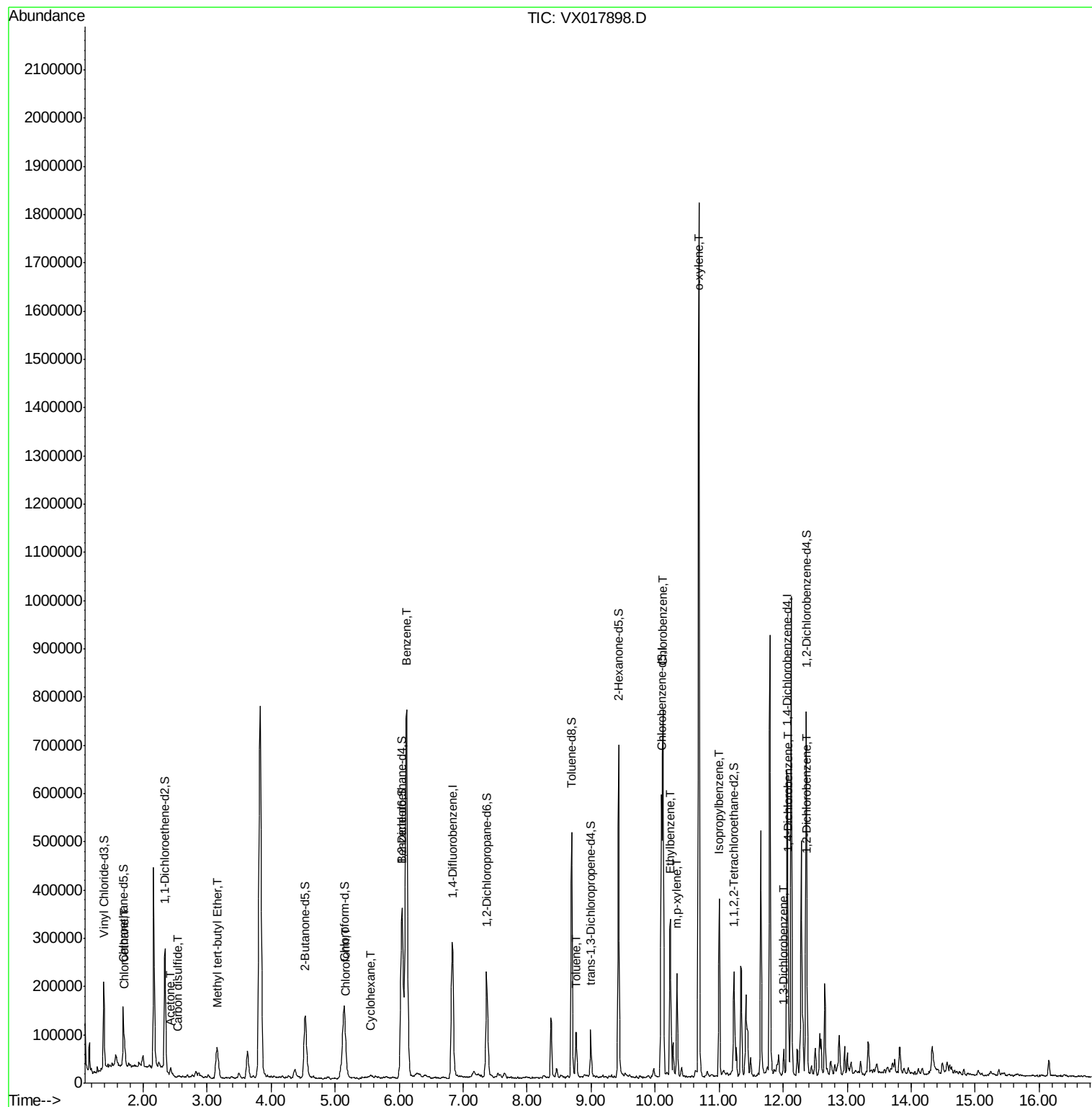
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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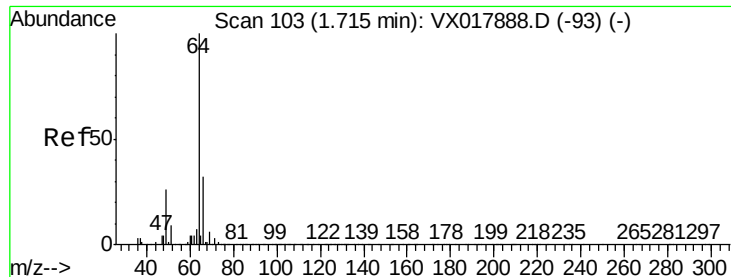
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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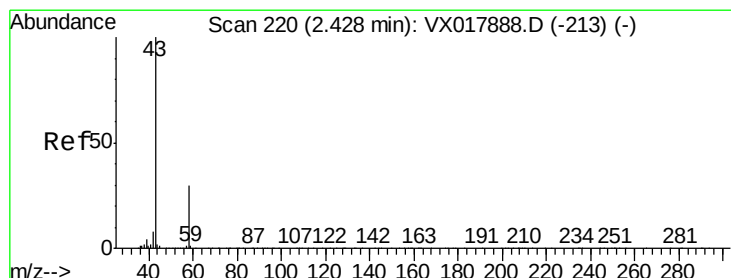
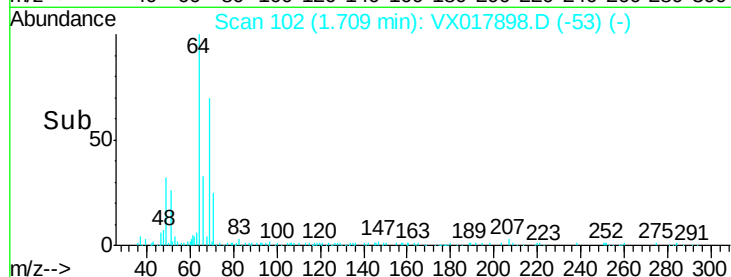
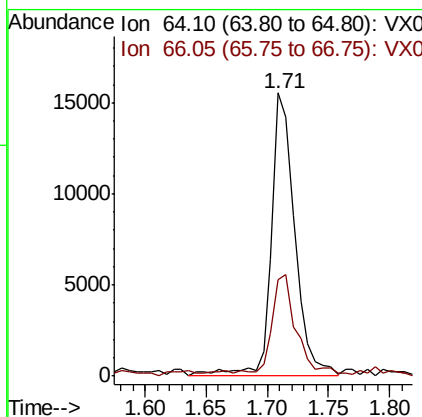
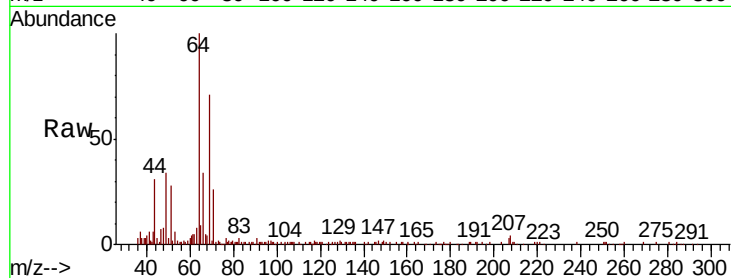




#8
Chloroethane
Concen: 1.407 ug/L
RT: 1.71 min Scan# 102
Delta R.T. -0.00 min
Lab File: VX017898.D
Acq: 14 Aug 2020 14:28

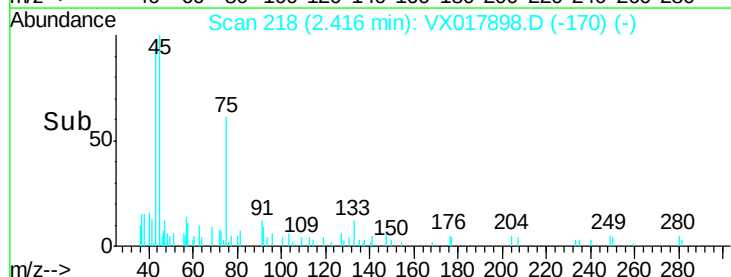
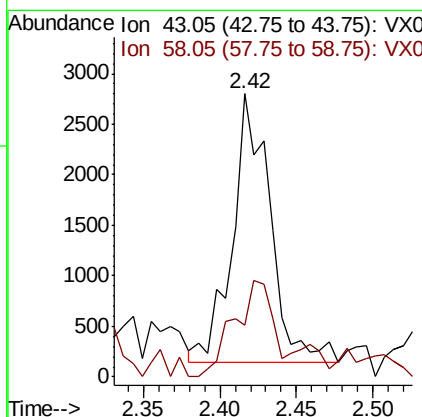
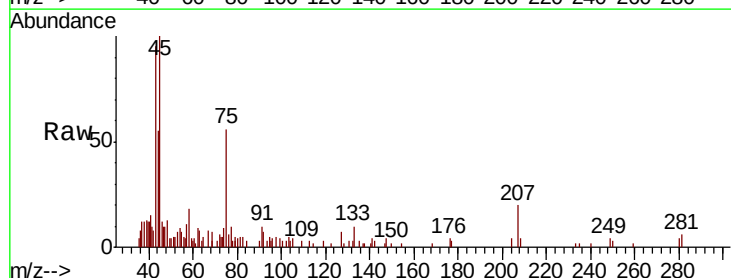
Instrument :
MSVOA_X
ClientSampleId :
BG0N0

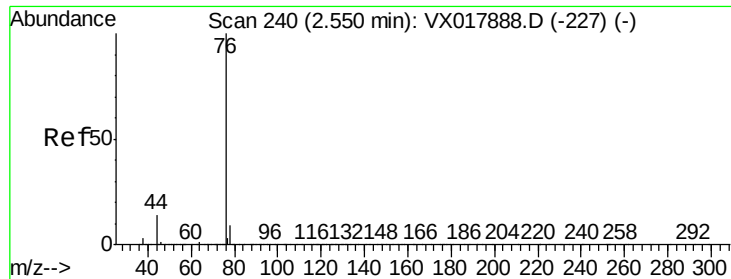
Tot Ion: 64 Resp: 20753
Ion Ratio Lower Upper
64 100
66 34.2 22.6 42.0



#13
Acetone
Concen: 1.213 ug/L
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017898.D
Acq: 14 Aug 2020 14:28

Tgt Ion: 43 Resp: 4555
Ion Ratio Lower Upper
43 100
58 38.1 0.0 60.8

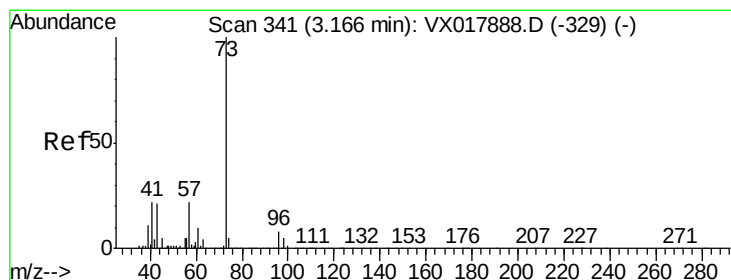
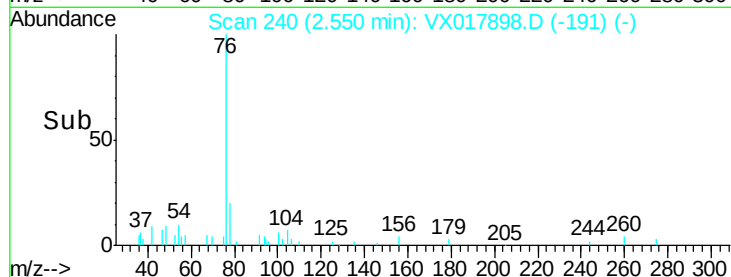
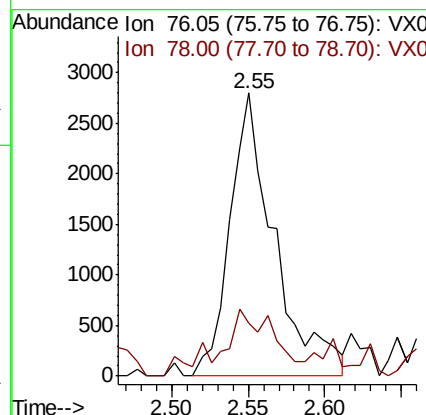
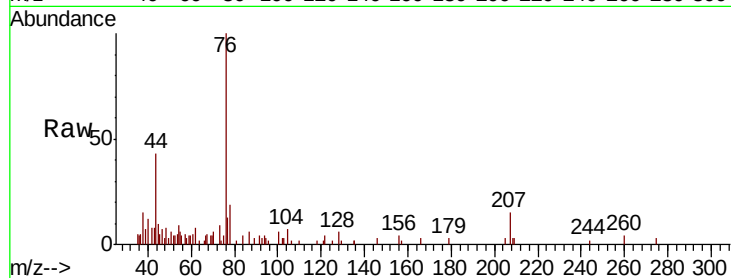




#14
Carbon disulfide
Concen: 0.073 ug/L
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX017898.D
Acq: 14 Aug 2020 14:28

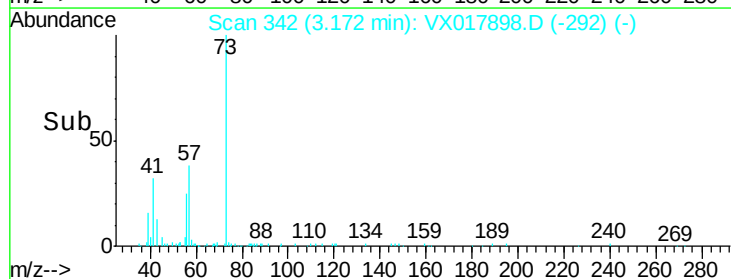
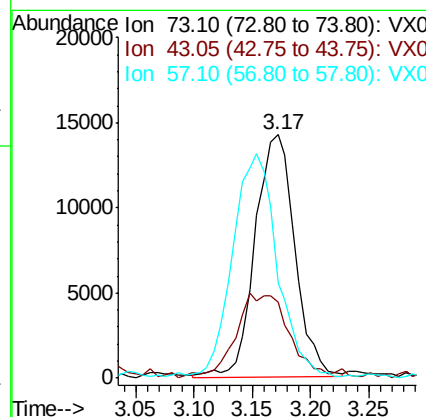
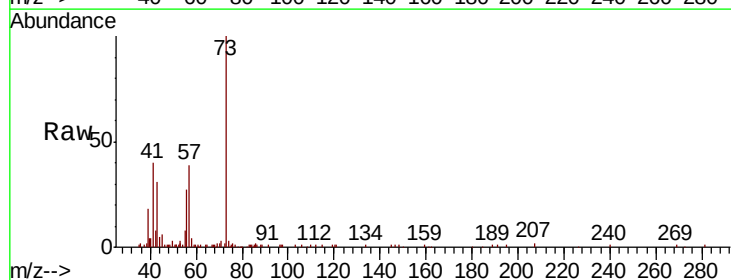
Instrument :
MSVOA_X
ClientSampled :
BG0N0

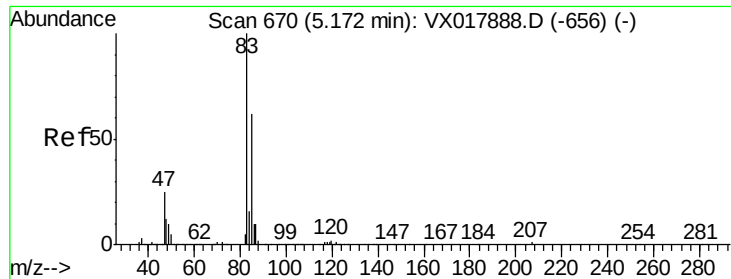
Tot Ion: 76 Resp: 5649
Ion Ratio Lower Upper
76 100
78 18.8 7.0 10.4#



#17
Methyl tert-butyl Ether
Concen: 0.591 ug/L
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX017898.D
Acq: 14 Aug 2020 14:28

Tgt Ion: 73 Resp: 33939
Ion Ratio Lower Upper
73 100
43 46.2 17.7 26.5#
57 103.0 17.0 25.6#

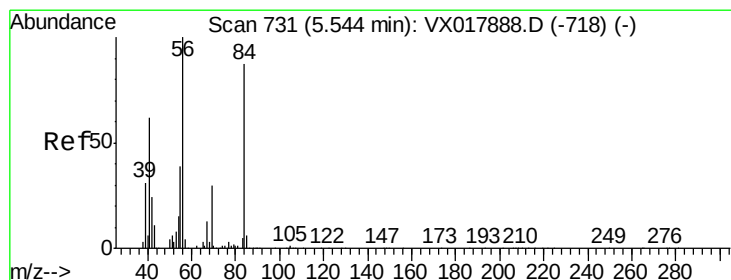
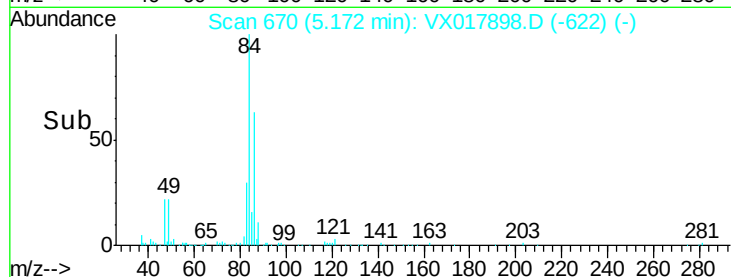
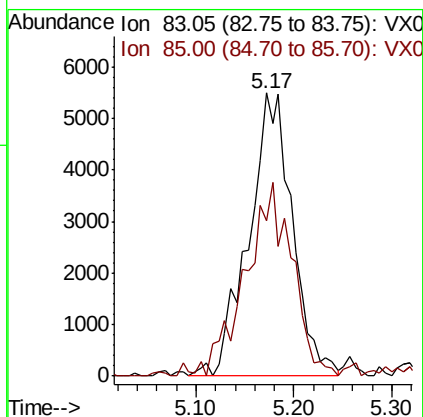
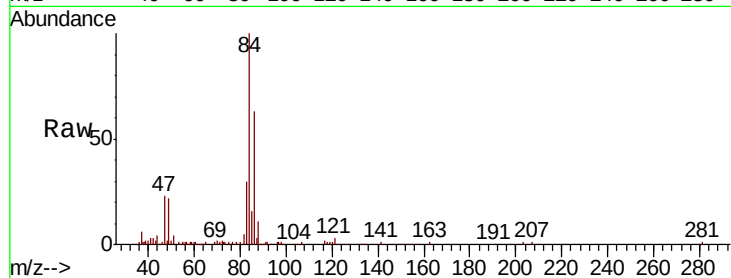




#25
Chloroform
Concen: 0.366 ug/L
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX017898.D
Acq: 14 Aug 2020 14:28

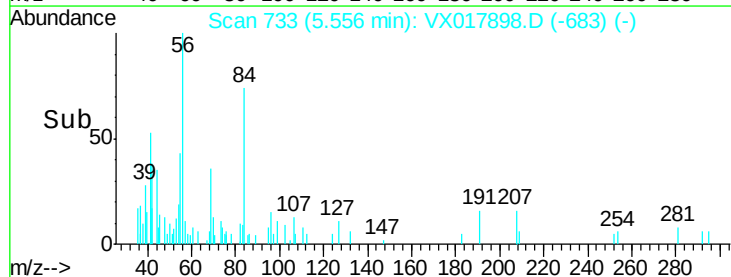
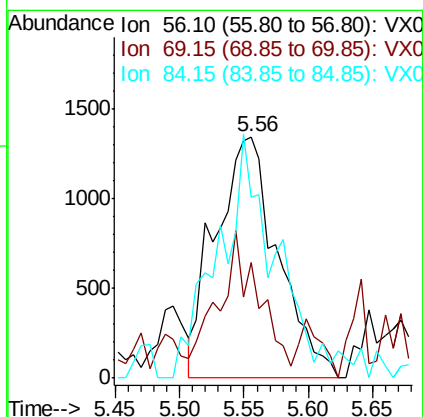
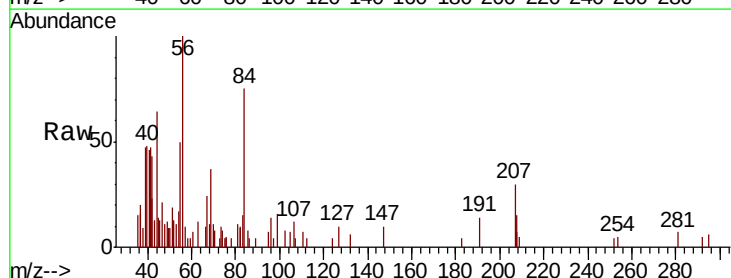
Instrument :
MSVOA_X
ClientSampled :
BG0N0

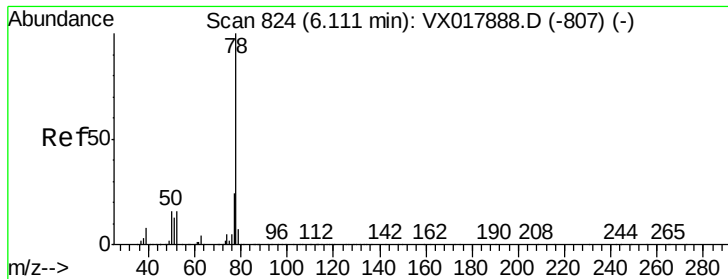
Tot Ion: 83 Resp: 17108
Ion Ratio Lower Upper
83 100
85 54.9 44.7 83.1



#30
Cyclohexane
Concen: 0.126 ug/L
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX017898.D
Acq: 14 Aug 2020 14:28

Tgt Ion: 56 Resp: 4523
Ion Ratio Lower Upper
56 100
69 40.5 25.1 37.7#
84 93.9 70.7 106.1





#33

Benzene

Concen: 10.349 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX017898.D

Acq: 14 Aug 2020 14:28

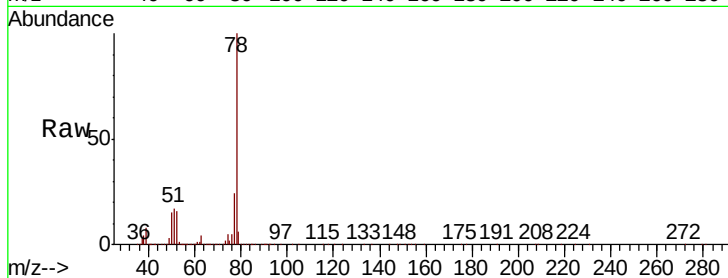
Instrument :

MSVOA_X

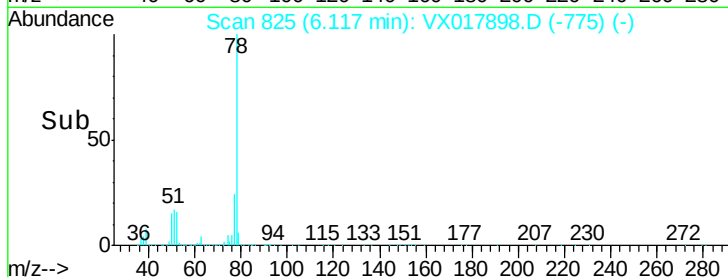
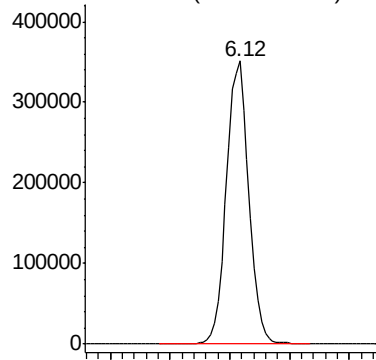
ClientSampleId :

BG0N0

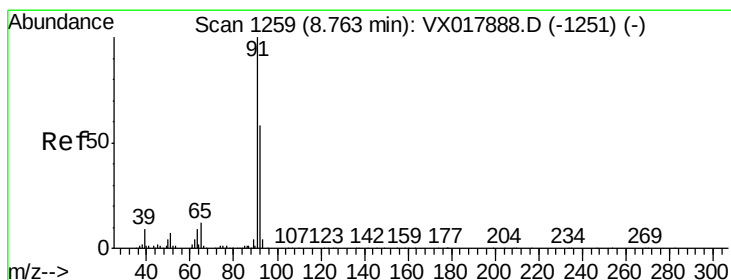
Tgt Ion: 78 Resp: 921330



Abundance Ion 78.10 (77.80 to 78.80): VX0



Time-->



#42

Toluene

Concen: 0.622 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX017898.D

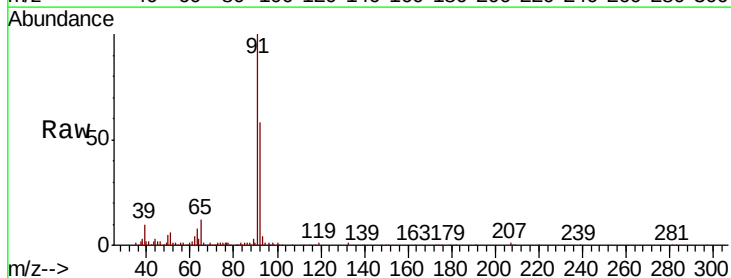
Acq: 14 Aug 2020 14:28

Tgt Ion: 91 Resp: 60144

Ion Ratio Lower Upper

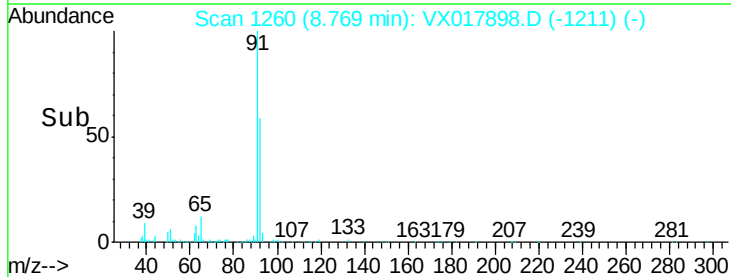
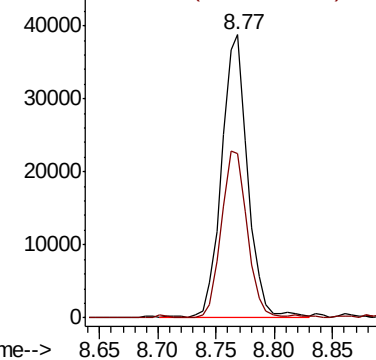
91 100

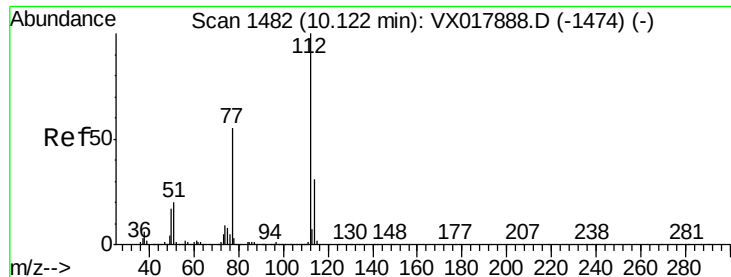
92 58.2 38.8 72.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0

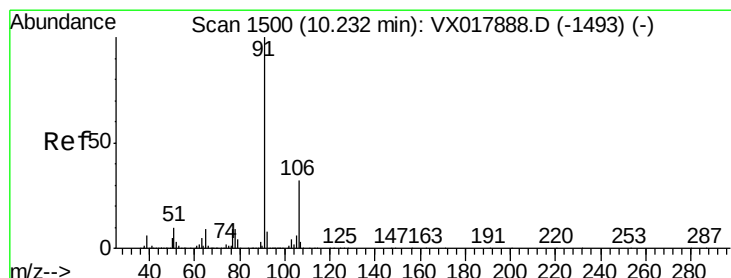
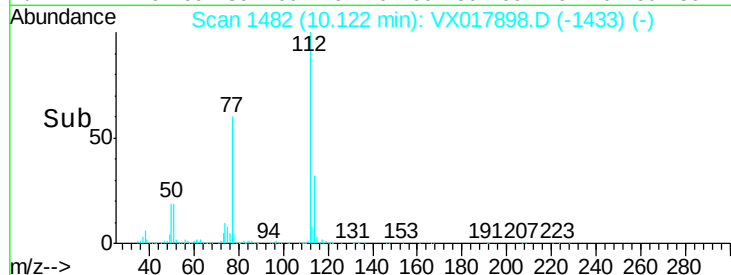
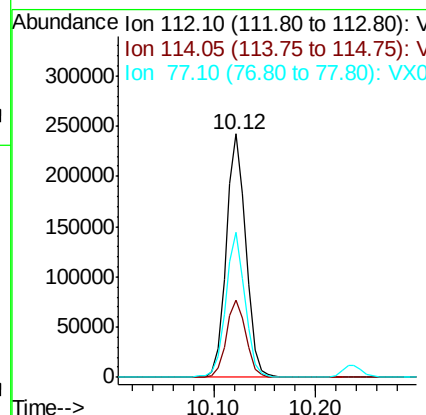
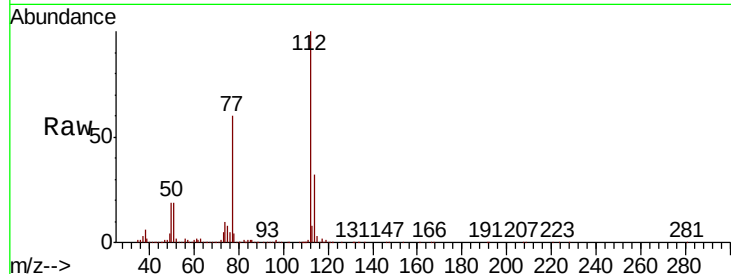




#53
Chlorobenzene
Concen: 5.148 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017898.D
Acq: 14 Aug 2020 14:28

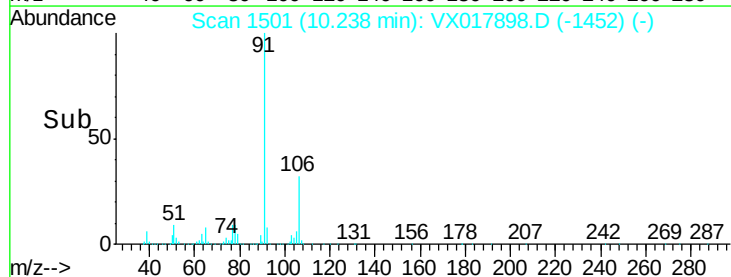
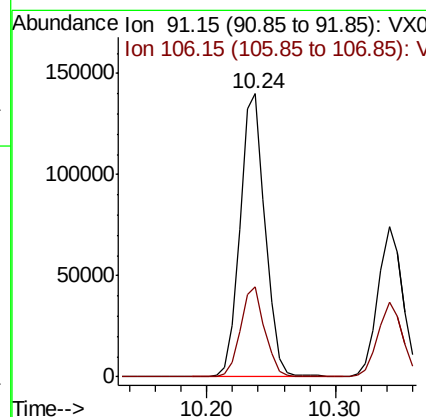
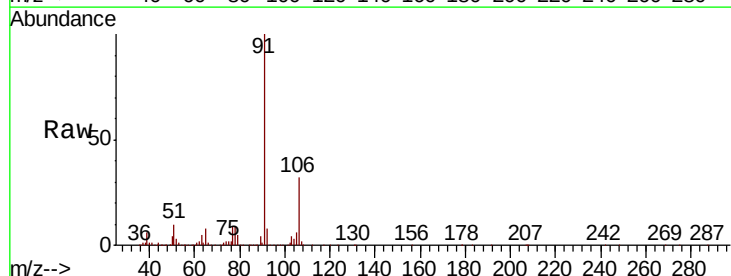
Instrument :
MSVOA_X
ClientSampleId :
BG0N0

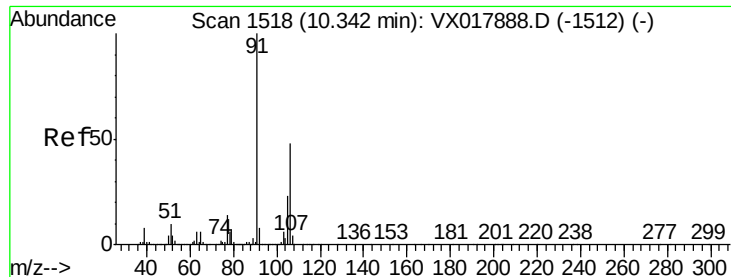
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	23.5	43.7
77	59.6	46.7	70.1



#54
Ethylbenzene
Concen: 1.781 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX017898.D
Acq: 14 Aug 2020 14:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	22.5	41.9





#55

m,p-xylene

Concen: 1.217 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017898.D

Acq: 14 Aug 2020 14:28

Instrument :

MSVOA_X

ClientSampleId :

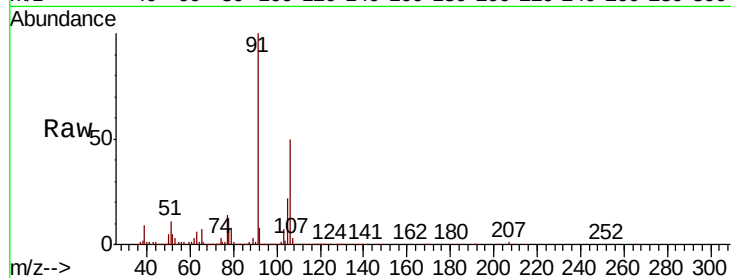
BG0N0

Tot Ion:106 Resp: 49014

Ion Ratio Lower Upper

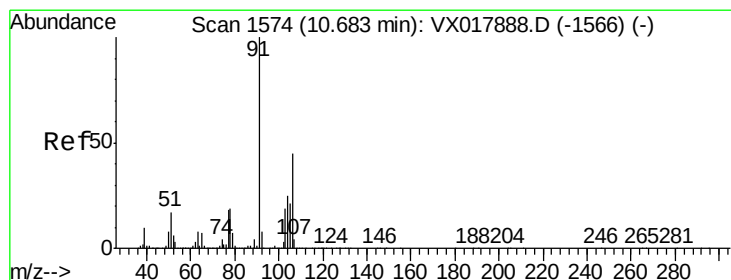
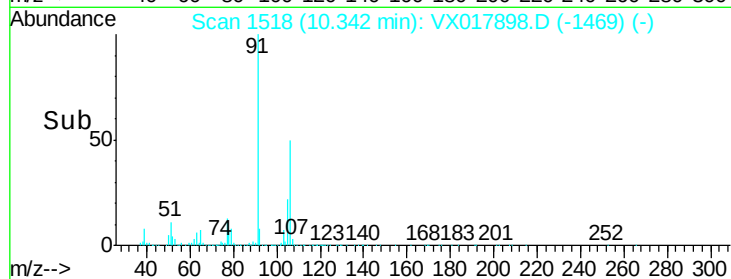
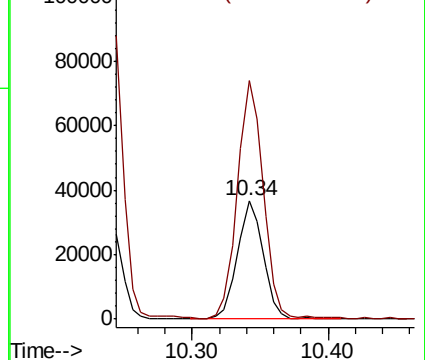
106 100

91 201.8 143.3 266.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 9.588 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017898.D

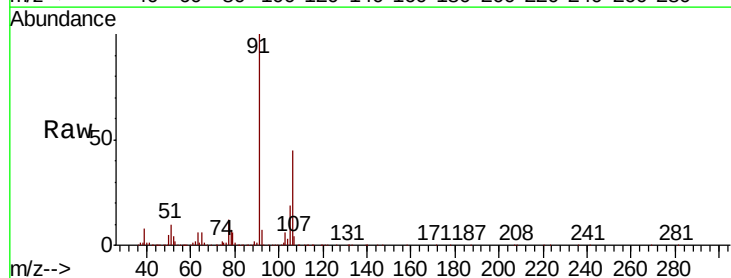
Acq: 14 Aug 2020 14:28

Tgt Ion:106 Resp: 374363

Ion Ratio Lower Upper

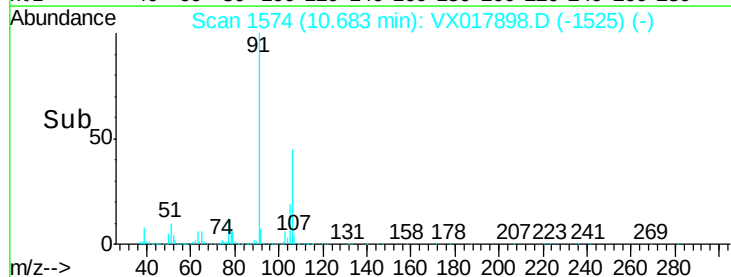
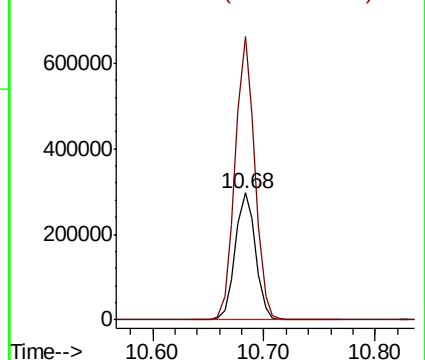
106 100

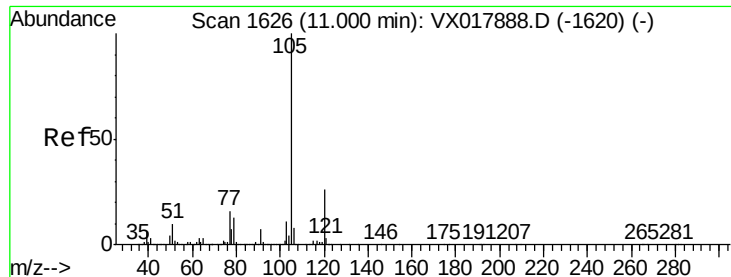
91 223.5 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 1.839 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX017898.D

Acq: 14 Aug 2020 14:28

Instrument :

MSVOA_X

ClientSampleId :

BG0N0

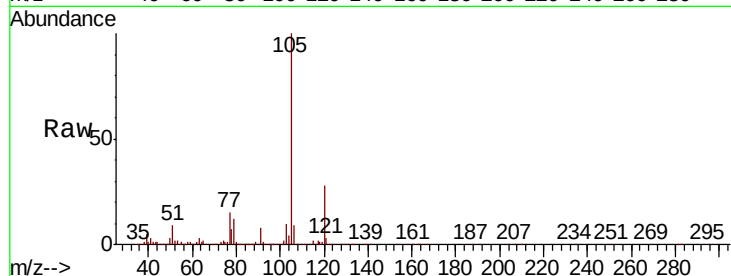
Tot Ion:105 Resp: 192204

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

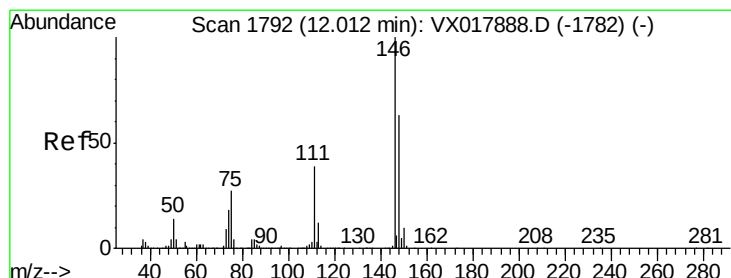
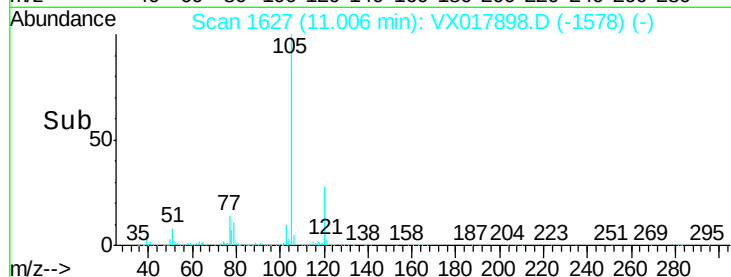
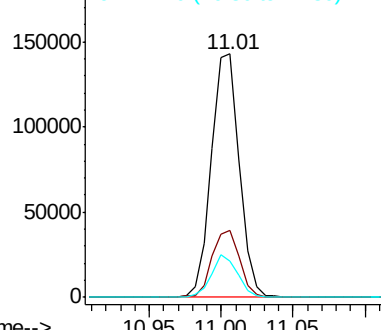
77 16.7 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#63

1,3-Dichlorobenzene

Concen: 0.103 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX017898.D

Acq: 14 Aug 2020 14:28

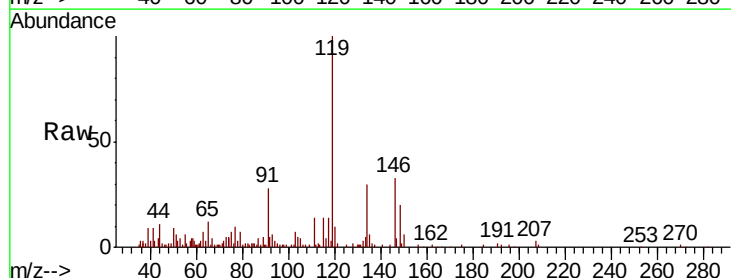
Tgt Ion:146 Resp: 5260

Ion Ratio Lower Upper

146 100

111 42.0 27.6 51.4

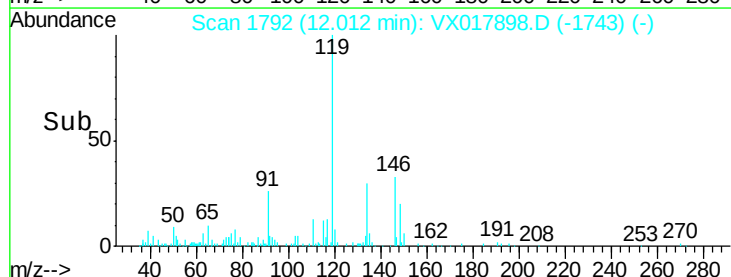
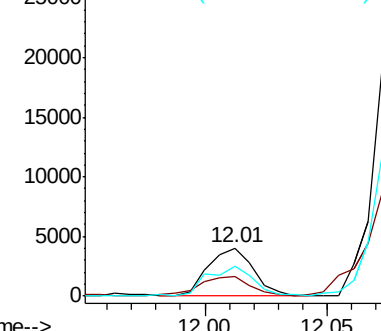
148 61.5 43.9 81.5

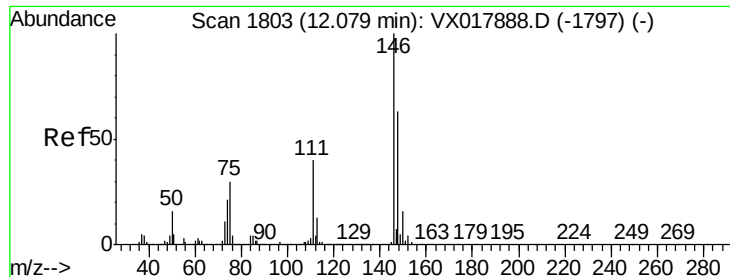


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

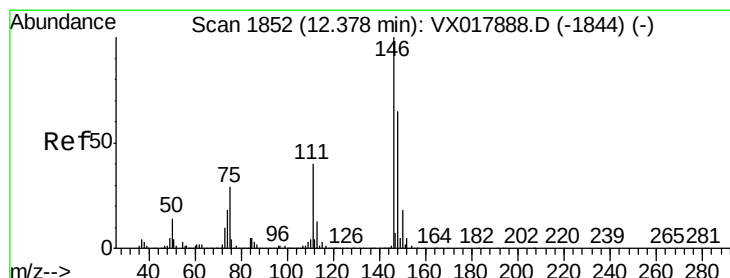
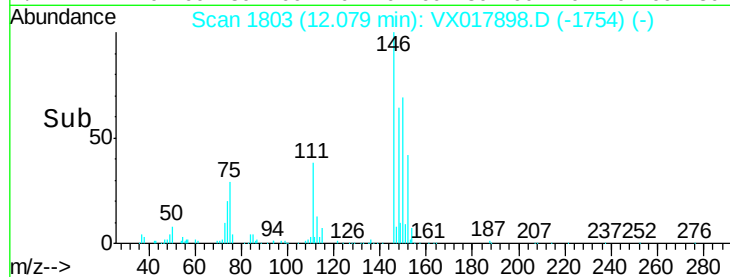
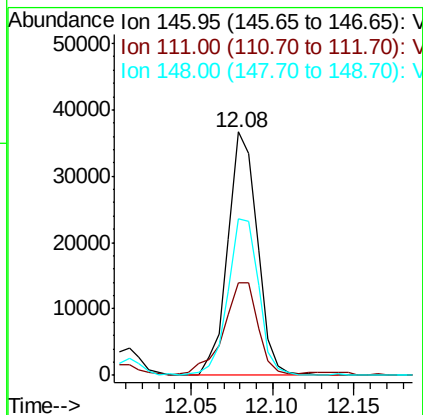
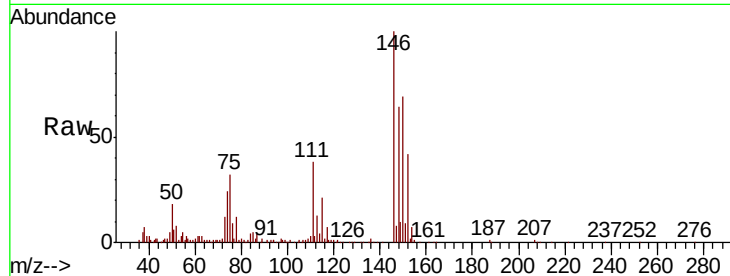




#64
 1,4-Dichlorobenzene
 Concen: 0.908 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX017898.D
 Acq: 14 Aug 2020 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0N0

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	26.0	48.2
148	64.1	43.2	80.2



#66
 1,2-Dichlorobenzene
 Concen: 0.648 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX017898.D
 Acq: 14 Aug 2020 14:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.9	32.2	48.4
148	66.0	52.3	78.5

