

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092920\
 Data File : VX018683.D
 Acq On : 30 Sep 2020 02:20
 Operator : JC/SP
 Sample : L4135-01DL 100X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 30 07:14:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 07:04:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	224124	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	217369	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.07	152	101880	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	49877	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.70	69	45919	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.34	63	95377	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.56	46	166552	55.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.38%
24) Chloroform-d	5.14	84	135725	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	6.04	65	76650	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	6.05	84	233333	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	7.37	67	74580	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	8.70	98	204623	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
45) trans-1,3-Dichloropropene-	8.99	79	28944	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
48) 2-Hexanone-d5	9.43	63	125084	51.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.74%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	56428	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	83635	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
6) Bromomethane	1.65	94	816	0.112 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.35	101	1308	0.113 ug/L #	23
12) 1,1-Dichloroethene	2.34	96	1408	0.129 ug/L #	1
13) Acetone	2.46	43	2540	1.534 ug/L	57
15) Methyl Acetate	2.76	43	898	0.196 ug/L	97
16) Methylene chloride	2.83	84	5270	0.353 ug/L	88
22) cis-1,2-Dichloroethene	4.57	96	542	0.047 ug/L #	66
33) Benzene	6.12	78	437533	10.440 ug/L	100
35) Methylcyclohexane	7.45	83	2525	0.150 ug/L #	24
37) 1,2-Dichloropropane	7.37	63	10393	0.929 ug/L #	87
42) Toluene	8.76	91	278573	6.154 ug/L	100
44) 1,2,4-Trimethylbenzene	11.79	105	1838	0.046 ug/L	95
53) Chlorobenzene	10.12	112	351036	11.739 ug/L	97
54) Ethylbenzene	10.24	91	18384	0.373 ug/L	98
55) m,p-xylene	10.34	106	4251	0.225 ug/L	92
56) o-xylene	10.68	106	6140	0.345 ug/L	65
58) Isopropylbenzene	11.01	105	21444	0.449 ug/L #	96

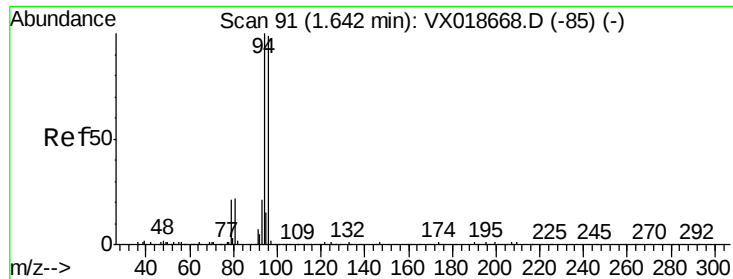
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092920\
Data File : VX018683.D
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Operator : JC/SP
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 30 07:04:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,3-Dichlorobenzene	12.01	146	2416	0.109	ug/L	91
64) 1,4-Dichlorobenzene	12.08	146	11412	0.510	ug/L	98
66) 1,2-Dichlorobenzene	12.38	146	5180	0.251	ug/L	95

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



#6

Bromomethane

Concen: 0.112 ug/L

RT: 1.65 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX018683.D

Acq: 30 Sep 2020 02:20

Instrument :

MSVOA_X

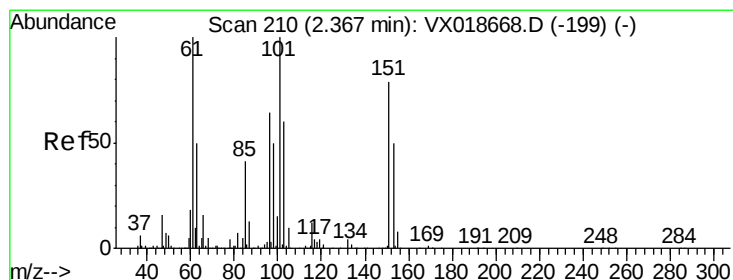
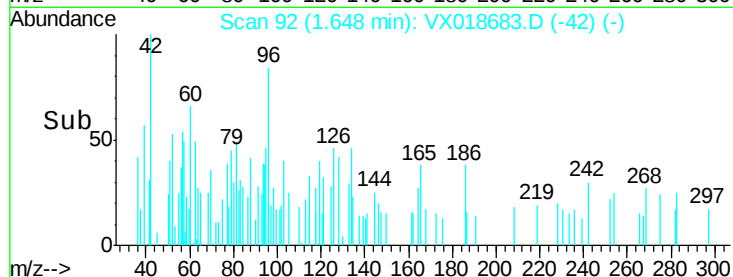
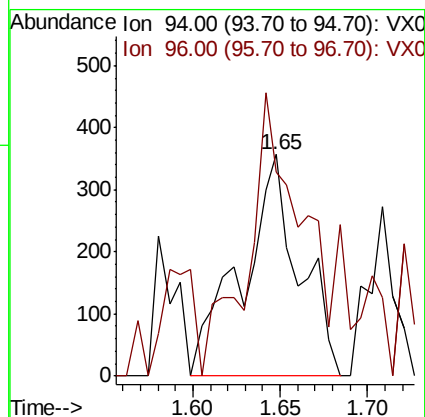
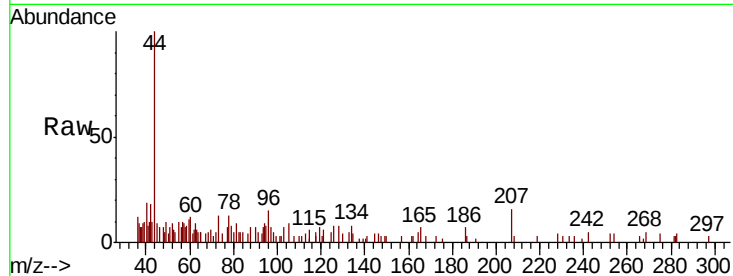
ClientSampled :

Tot Ion: 94 Resp: 816

Ion Ratio Lower Upper

94 100

96 91.9 67.8 125.8



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.113 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.02 min

Lab File: VX018683.D

Acq: 30 Sep 2020 02:20

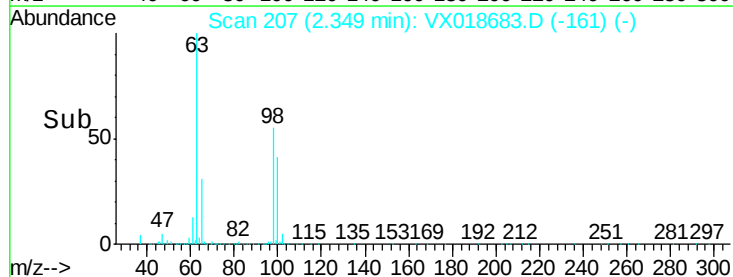
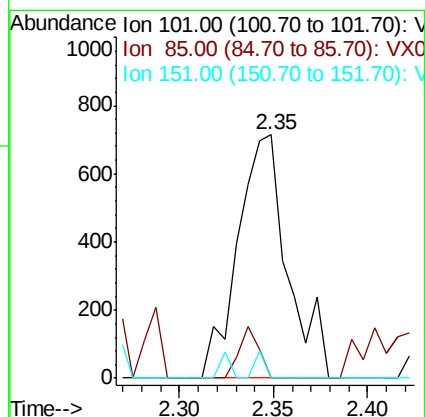
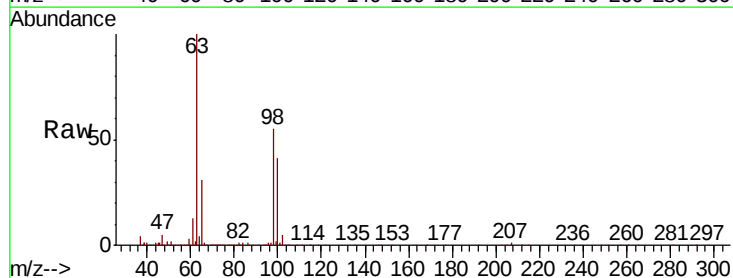
Tgt Ion: 101 Resp: 1308

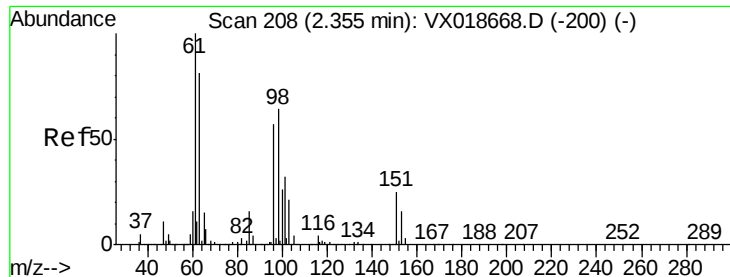
Ion Ratio Lower Upper

101 100

85 8.3 36.1 54.1#

151 2.2 65.5 98.3#





#12

1,1-Dichloroethene

Concen: 0.129 ug/L

RT: 2.34 min Scan# 205

Delta R.T. -0.02 min

Lab File: VX018683.D

Acq: 30 Sep 2020 02:20

Instrument :
MSVOA_X
ClientSampleId :

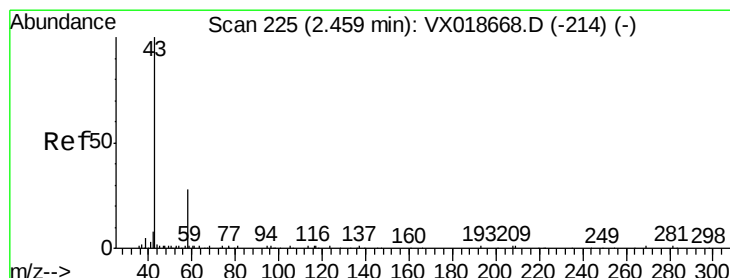
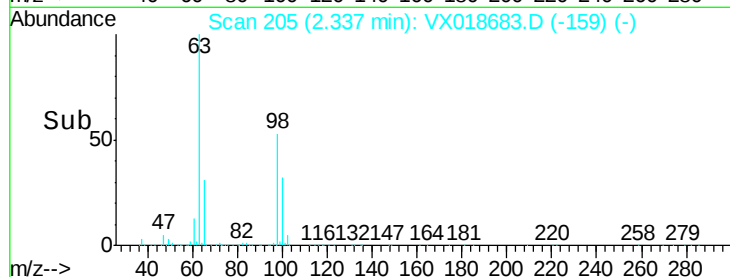
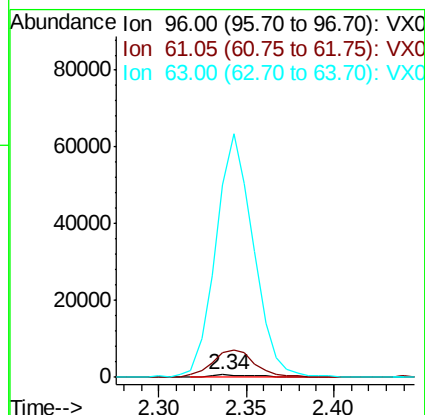
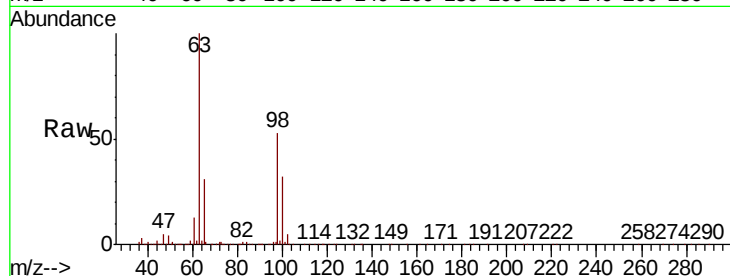
Tot Ion: 96 Resp: 1408

Ion Ratio Lower Upper

96 100

61 888.8 123.8 229.8#

63 6910.5 104.7 194.4#



#13

Acetone

Concen: 1.534 ug/L

RT: 2.46 min Scan# 225

Delta R.T. -0.00 min

Lab File: VX018683.D

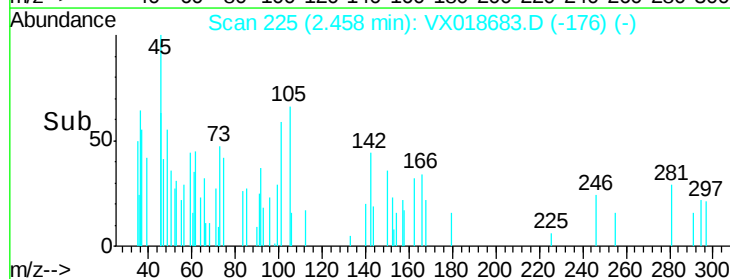
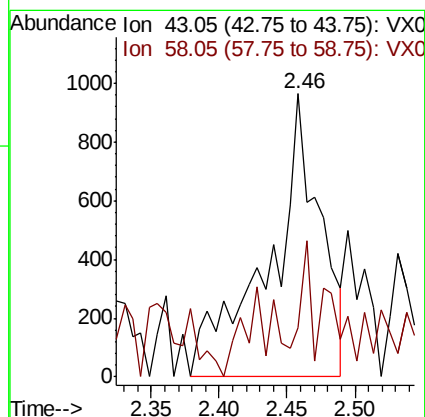
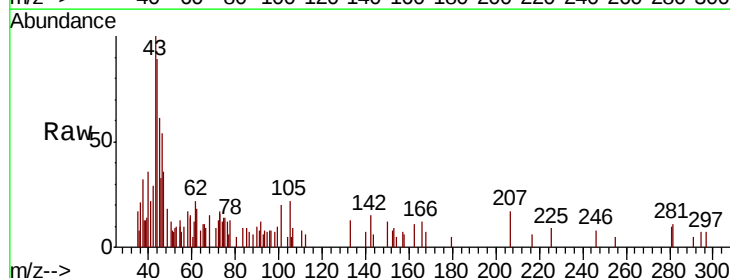
Acq: 30 Sep 2020 02:20

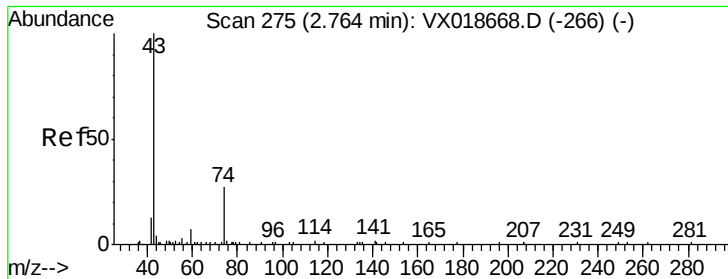
Tgt Ion: 43 Resp: 2540

Ion Ratio Lower Upper

43 100

58 7.5 0.0 61.6





#15

Methyl Acetate

Concen: 0.196 ug/L

RT: 2.76 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX018683.D

Acq: 30 Sep 2020 02:20

Instrument :

MSVOA_X

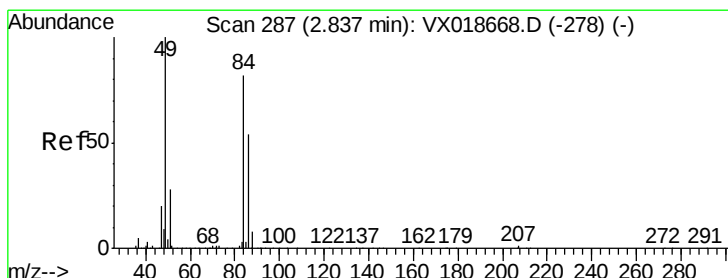
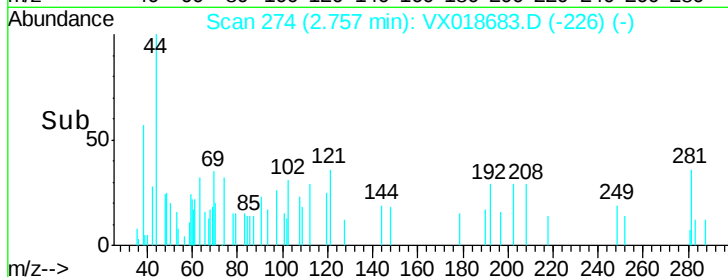
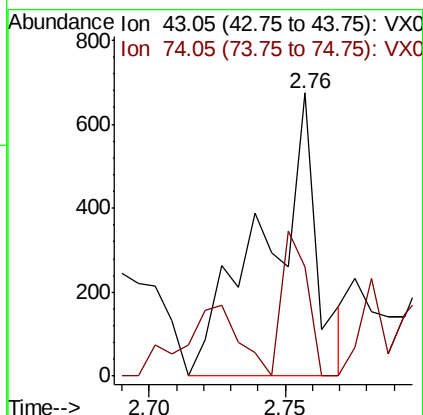
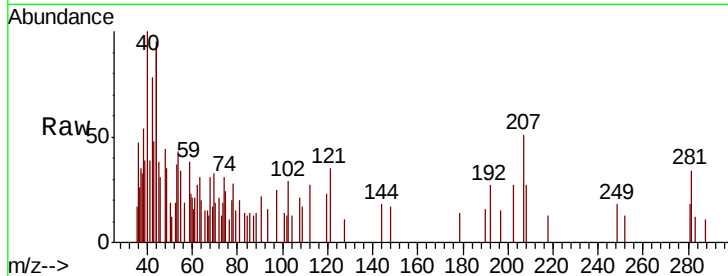
ClientSampled :

Tot Ion: 43 Resp: 898

Ion Ratio Lower Upper

43 100

74 24.7 21.2 31.8



#16

Methylene chloride

Concen: 0.353 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX018683.D

Acq: 30 Sep 2020 02:20

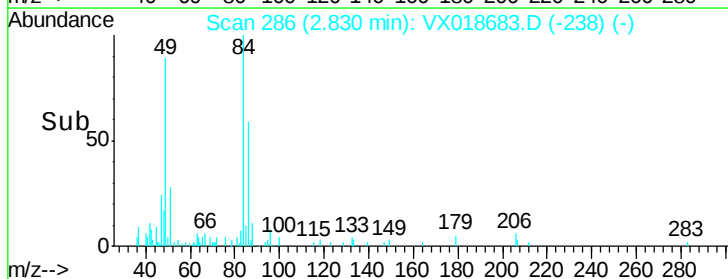
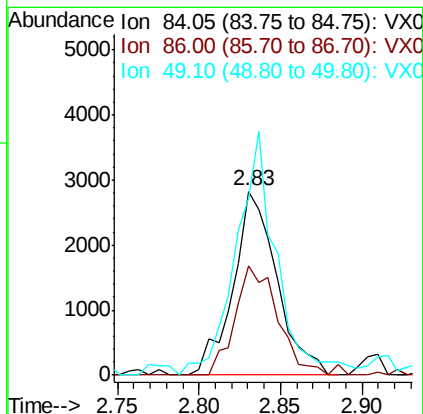
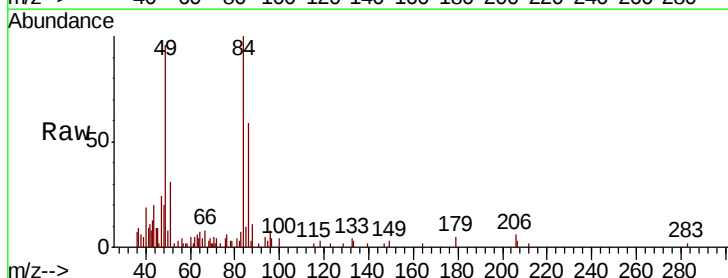
Tgt Ion: 84 Resp: 5270

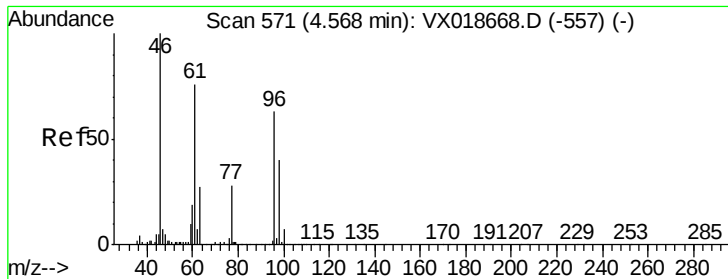
Ion Ratio Lower Upper

84 100

86 59.2 41.9 77.7

49 96.1 80.8 150.2



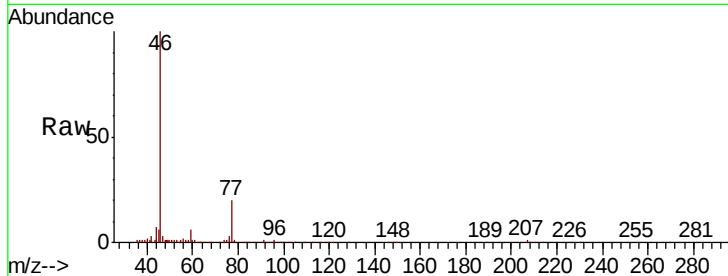


#22

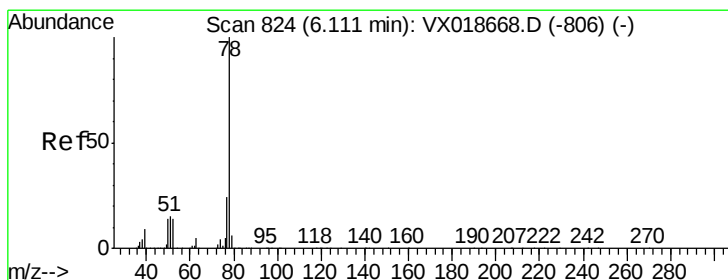
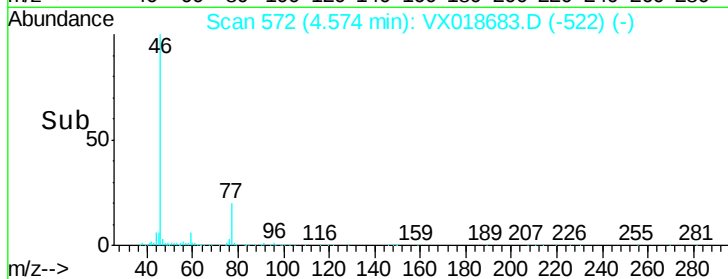
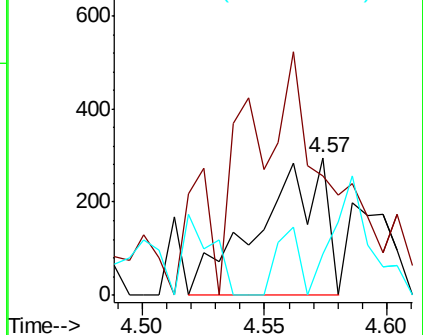
cis-1,2-Dichloroethene
Concen: 0.047 ug/L
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX018683.D
Acq: 30 Sep 2020 02:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 542
Ion Ratio Lower Upper
96 100
61 87.1 87.7 162.9#
68 30.2 0.3 0.7#



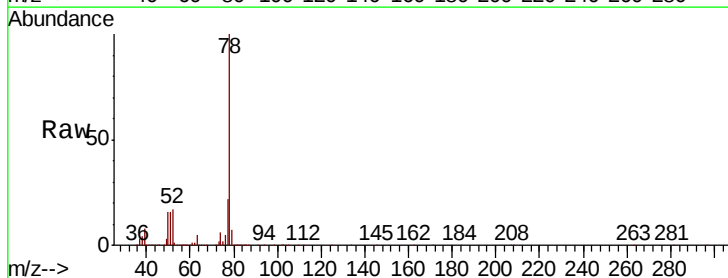
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 68.15 (67.85 to 68.85): VX0



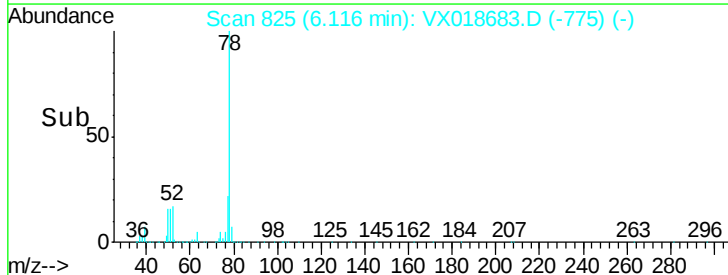
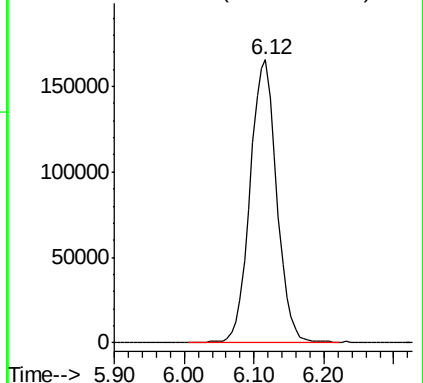
#33

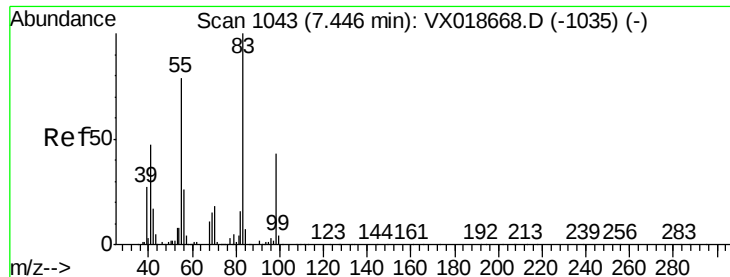
Benzene
Concen: 10.440 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX018683.D
Acq: 30 Sep 2020 02:20

Tgt Ion: 78 Resp: 437533



Abundance Ion 78.10 (77.80 to 78.80): VX0

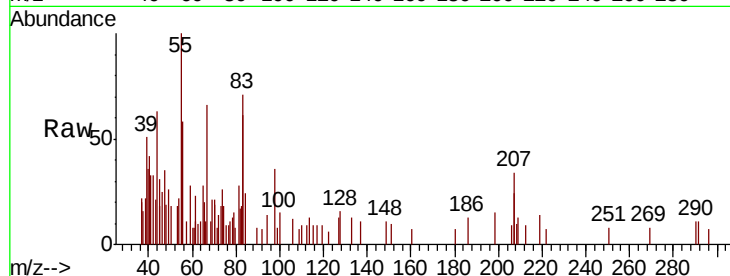




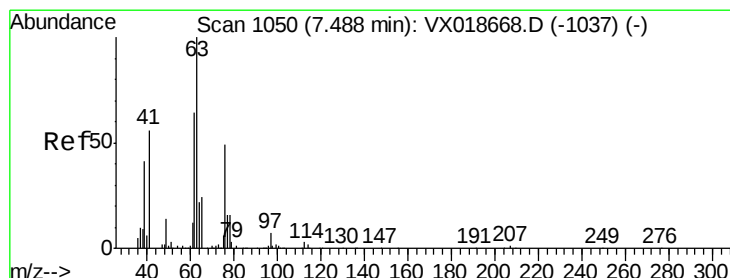
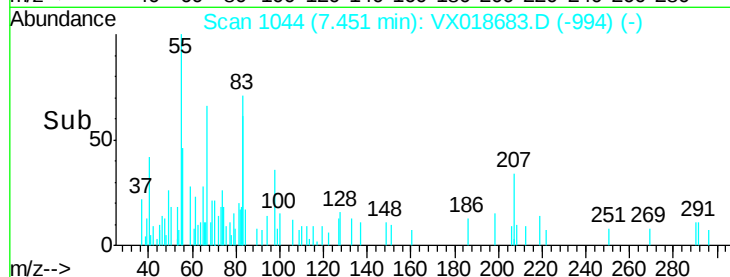
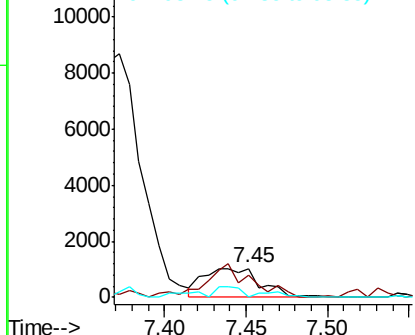
#35
Methvlcvclohexane
Concen: 0.150 ug/L
RT: 7.45 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VX018683.D
Acq: 30 Sep 2020 02:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 2525
Ion Ratio Lower Upper
83 100
55 8.0 67.4 101.0#
98 6.8 41.1 61.7#

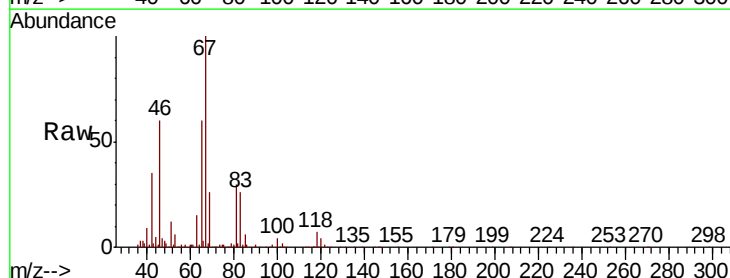


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

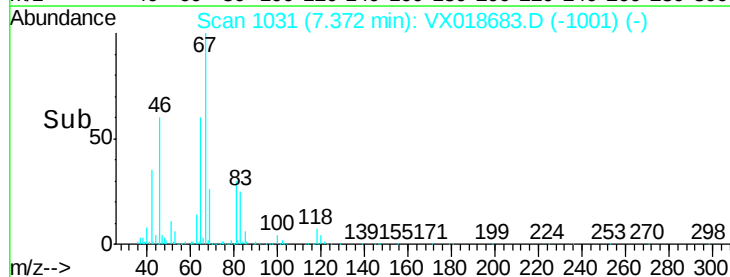
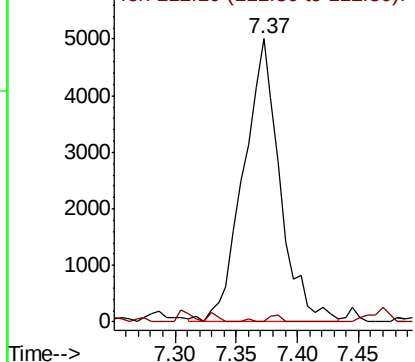


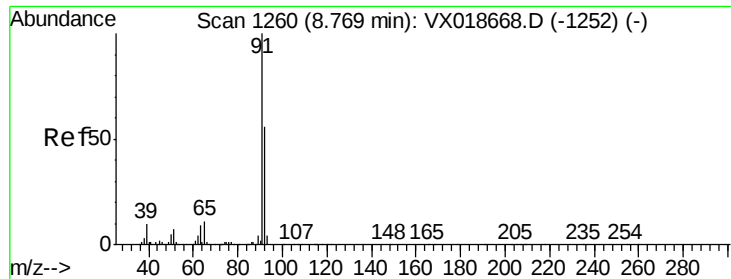
#37
1,2-Dichloropropane
Concen: 0.929 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VX018683.D
Acq: 30 Sep 2020 02:20

Tgt Ion: 63 Resp: 10393
Ion Ratio Lower Upper
63 100
112 0.8 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VX0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 6.154 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018683.D

Acq: 30 Sep 2020 02:20

Instrument :

MSVOA_X

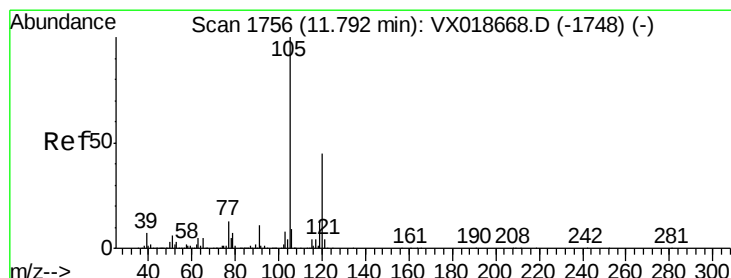
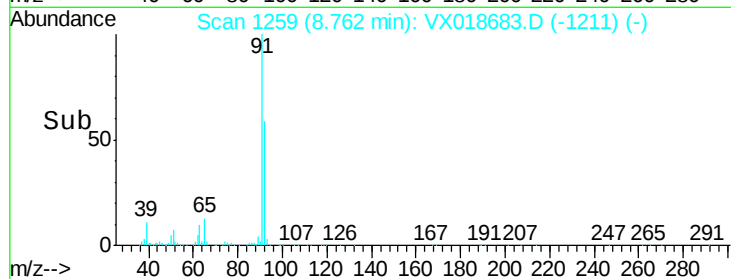
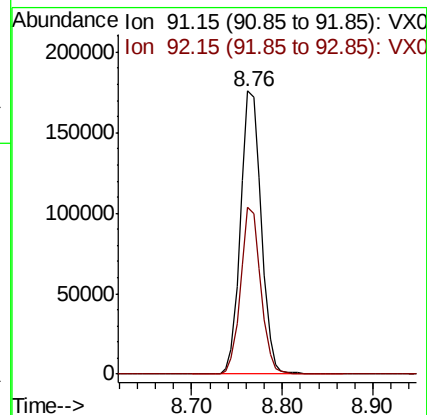
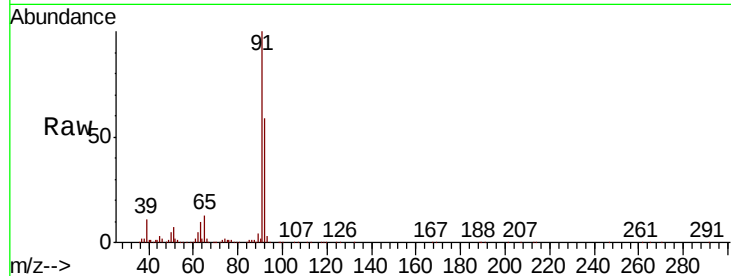
ClientSampleId :

Tot Ion: 91 Resp: 278573

Ion Ratio Lower Upper

91 100

92 58.8 41.1 76.3



#44

1,2,4-Trimethylbenzene

Concen: 0.046 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX018683.D

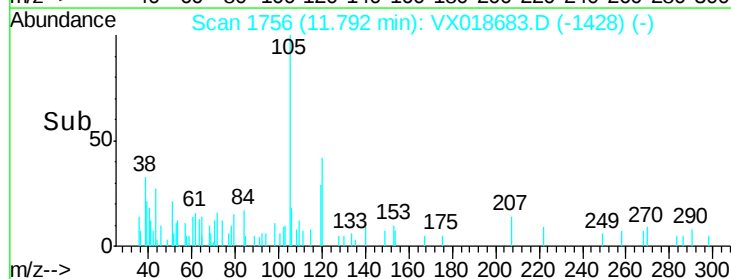
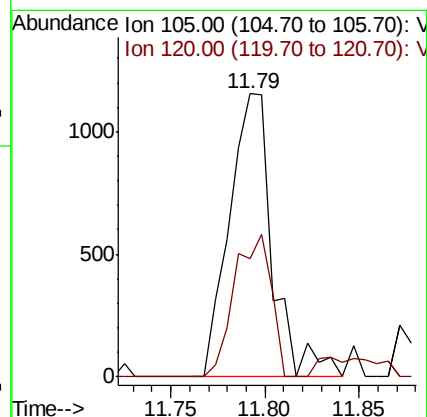
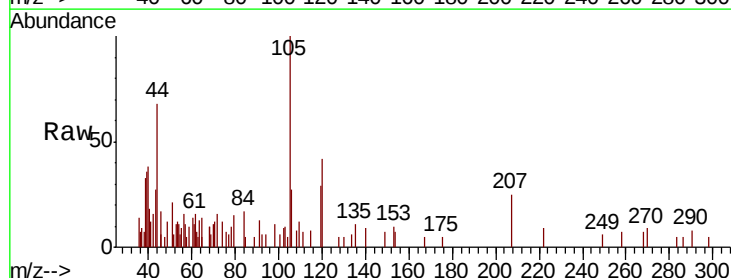
Acq: 30 Sep 2020 02:20

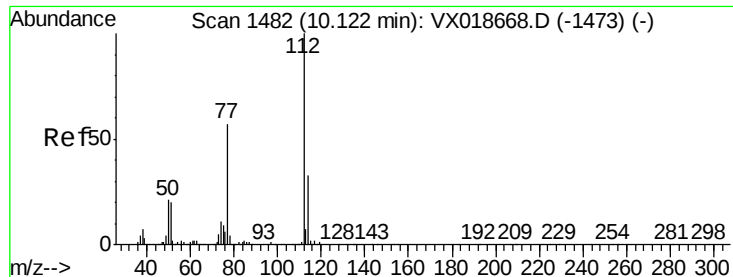
Tgt Ion: 105 Resp: 1838

Ion Ratio Lower Upper

105 100

120 43.0 36.8 55.2





#53

Chlorobenzene

Concen: 11.739 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018683.D

Acq: 30 Sep 2020 02:20

Instrument :

MSVOA_X

ClientSampleId :

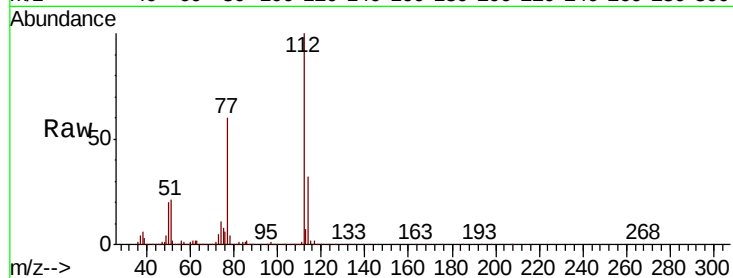
Tot Ion:112 Resp: 351036

Ion Ratio Lower Upper

112 100

114 31.9 20.6 38.4

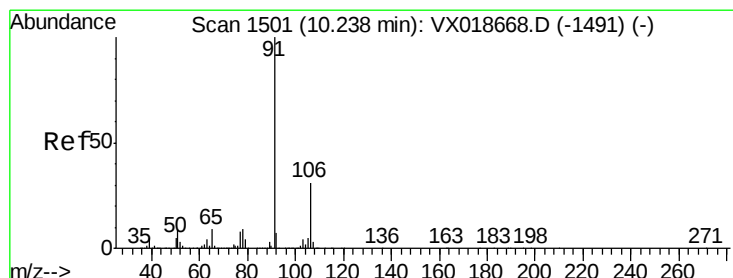
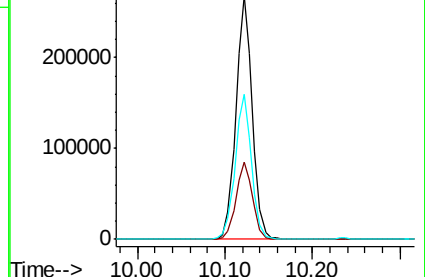
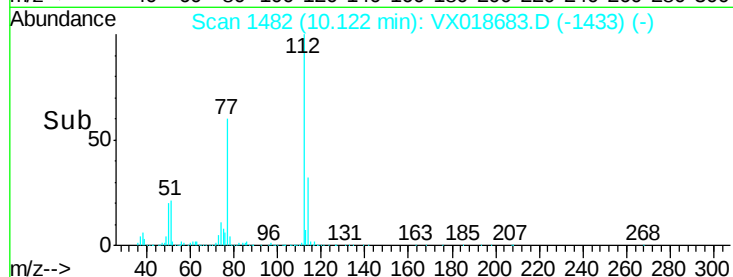
77 59.8 46.6 69.8



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): VX0



#54

Ethylbenzene

Concen: 0.373 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX018683.D

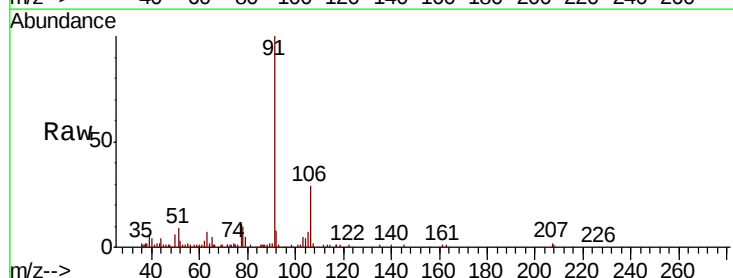
Acq: 30 Sep 2020 02:20

Tgt Ion: 91 Resp: 18384

Ion Ratio Lower Upper

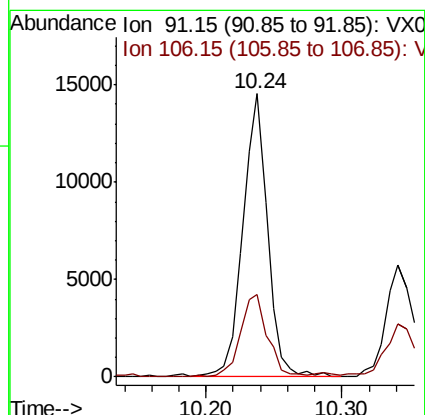
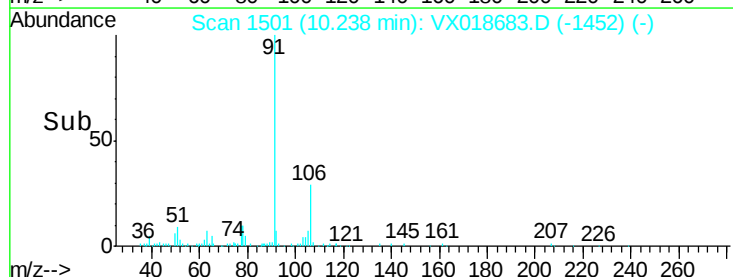
91 100

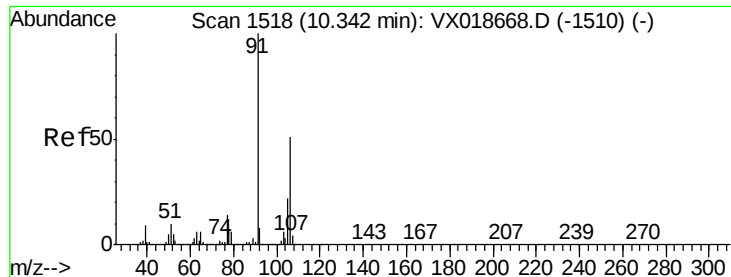
106 28.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.225 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018683.D

Acq: 30 Sep 2020 02:20

Instrument :

MSVOA_X

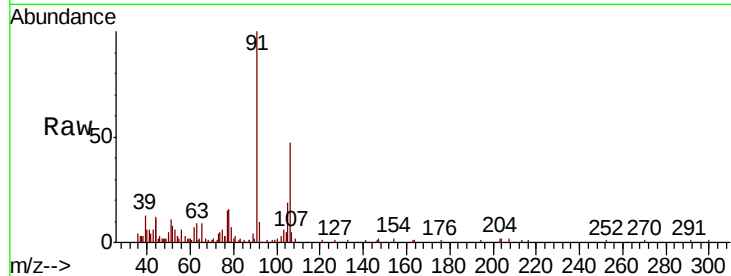
ClientSampleId :

Tot Ion:106 Resp: 4251

Ion Ratio Lower Upper

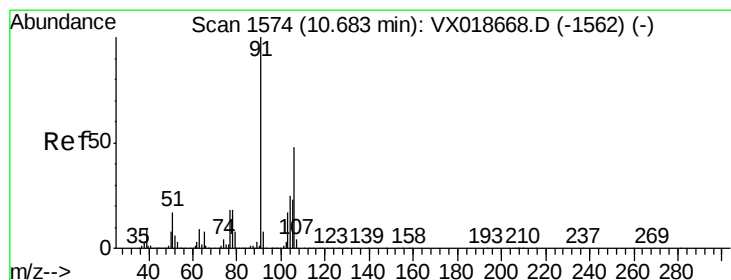
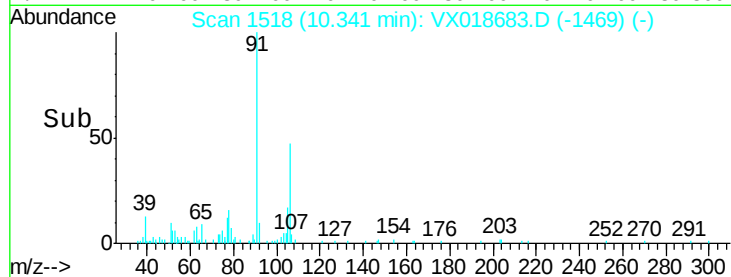
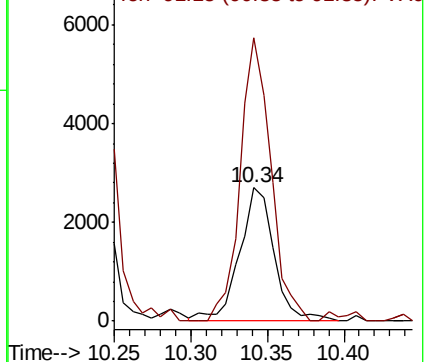
106 100

91 212.5 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.345 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018683.D

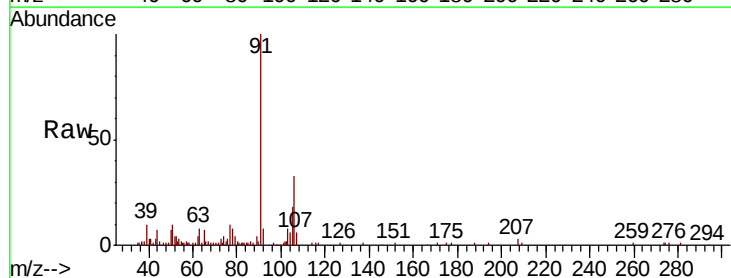
Acq: 30 Sep 2020 02:20

Tgt Ion:106 Resp: 6140

Ion Ratio Lower Upper

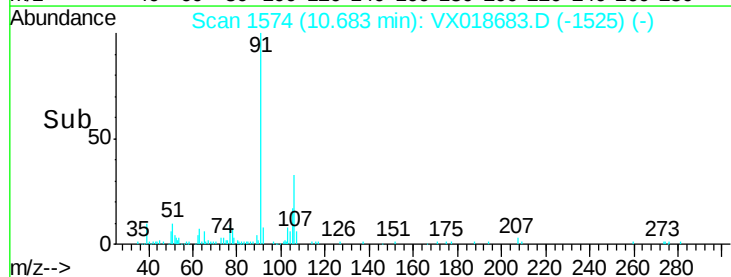
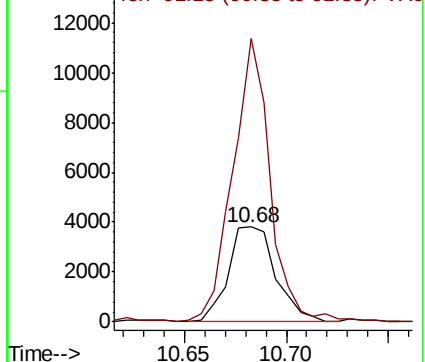
106 100

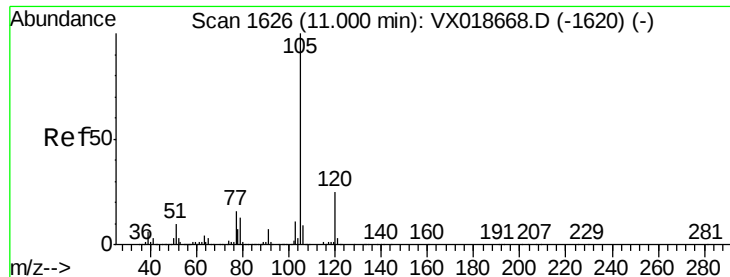
91 298.8 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.449 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018683.D

Acq: 30 Sep 2020 02:20

Instrument :

MSVOA_X

ClientSampleId :

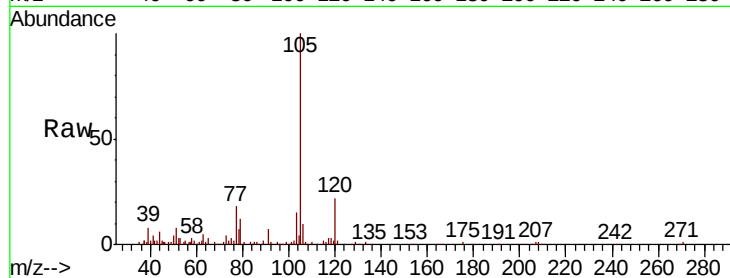
Tot Ion:105 Resp: 21444

Ion Ratio Lower Upper

105 100

120 26.9 21.2 31.8

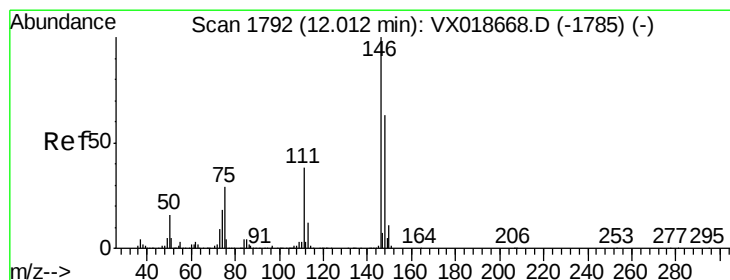
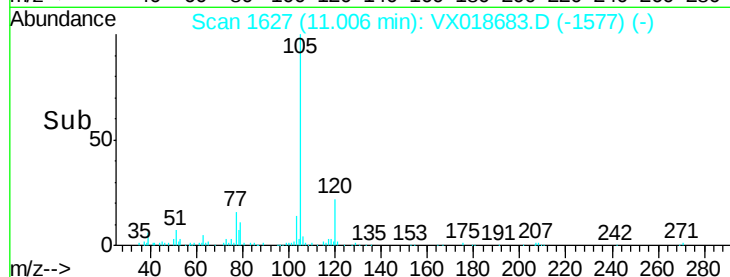
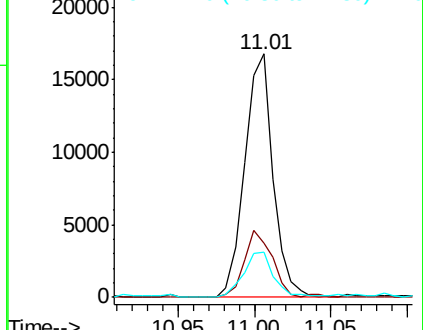
77 20.0 13.3 19.9#



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: 0.109 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX018683.D

Acq: 30 Sep 2020 02:20

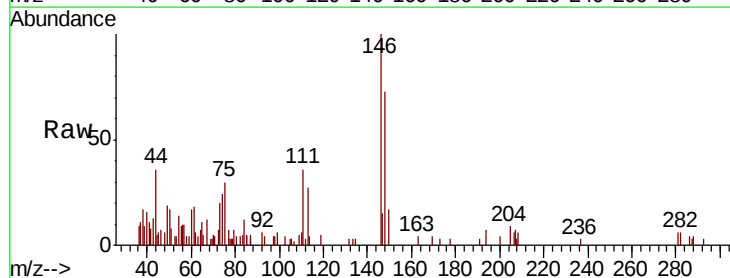
Tgt Ion:146 Resp: 2416

Ion Ratio Lower Upper

146 100

111 35.9 26.7 49.7

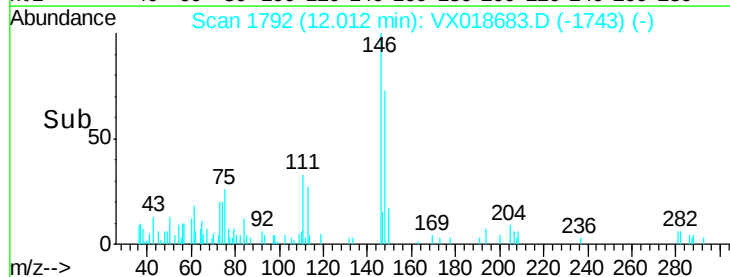
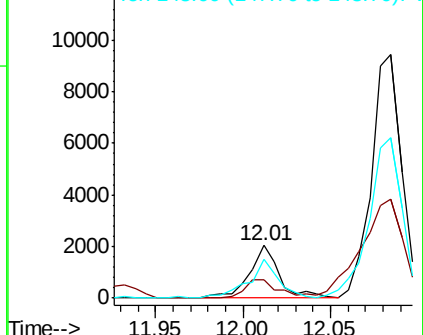
148 73.1 44.4 82.5

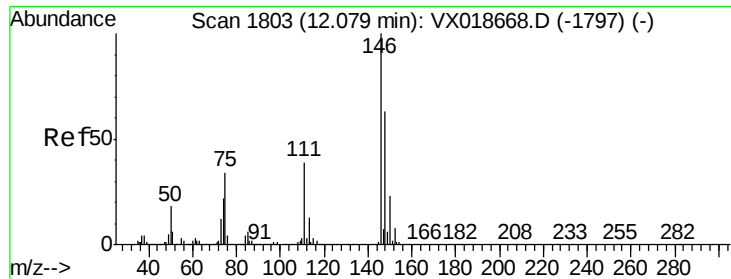


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 0.510 ug/L

RT: 12.08 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX018683.D

Acq: 30 Sep 2020 02:20

Instrument :

MSVOA_X

ClientSampleId :

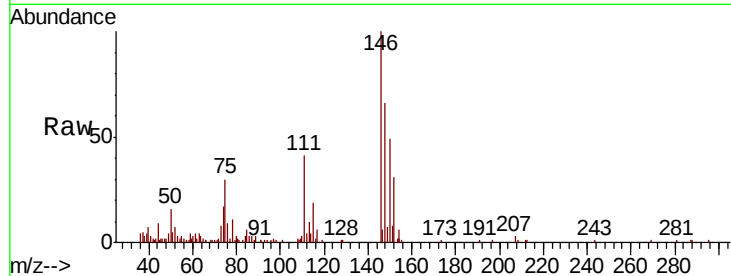
Tot Ion:146 Resp: 11412

Ion Ratio Lower Upper

146 100

111 40.7 28.8 53.4

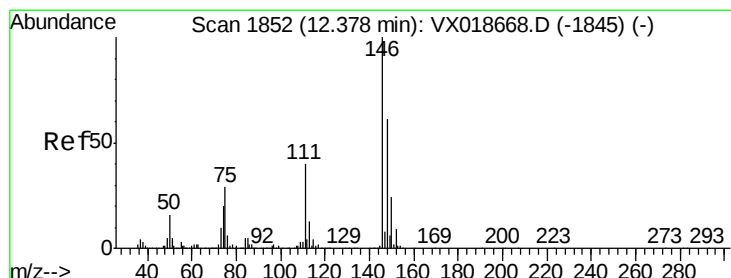
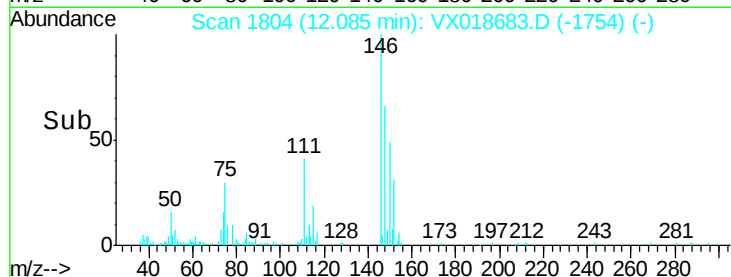
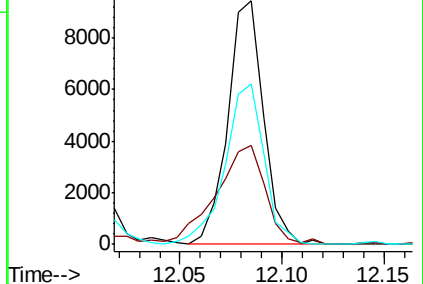
148 66.1 44.9 83.3



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: 0.251 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX018683.D

Acq: 30 Sep 2020 02:20

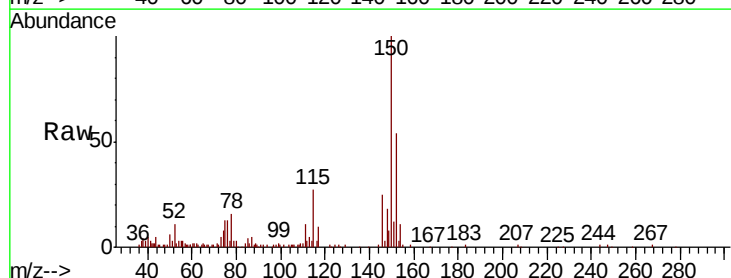
Tgt Ion:146 Resp: 5180

Ion Ratio Lower Upper

146 100

111 42.2 33.6 50.4

148 72.7 53.4 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

