

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092920\
 Data File : VX018687.D
 Acq On : 30 Sep 2020 09:51
 Operator : JC/SP
 Sample : L4135-08DL 10X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 01 01:07:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 01:06:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	246500	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	233521	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	109147	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44507	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.70	69	39623	3.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.80%
11) 1,1-Dichloroethene-d2	2.34	63	82935	2.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.20%#
20) 2-Butanone-d5	4.55	46	148929	45.28	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.56%
24) Chloroform-d	5.13	84	118035	3.86	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.20%
26) 1,2-Dichloroethane-d4	6.03	65	67806	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.20%
32) Benzene-d6	6.05	84	213679	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.40%
36) 1,2-Dichloropropane-d6	7.37	67	67344	4.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.00%
41) Toluene-d8	8.70	98	182722	3.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.20%#
45) trans-1,3-Dichloropropene-	8.99	79	26394	3.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.20%
48) 2-Hexanone-d5	9.43	63	110446	42.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.44%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	52804	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	73567	4.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.60%

Target Compounds

					Ovalue
6) Bromomethane	1.64	94	707	0.089	ug/L 75
14) Carbon disulfide	2.56	76	2024	0.055	ug/L # 64
16) Methylene chloride	2.83	84	6994	0.425	ug/L 88
17) Methyl tert-butyl Ether	3.17	73	3989	0.149	ug/L # 1
30) Cyclohexane	5.56	56	2081	0.118	ug/L # 62
33) Benzene	6.10	78	493504	10.961	ug/L 100
35) Methylcyclohexane	7.43	83	1800	0.099	ug/L 89
43) 1,3,5-Trimethylbenzene	11.49	105	4096	0.096	ug/L 99
44) 1,2,4-Trimethylbenzene	11.79	105	11530	0.271	ug/L 100
50) 2-Hexanone	9.43	43	15623	3.315	ug/L # 66
53) Chlorobenzene	10.12	112	37920	1.180	ug/L 95
54) Ethylbenzene	10.23	91	5353	0.101	ug/L 93
55) m,p-xylene	10.34	106	9981	0.493	ug/L 99
56) o-xylene	10.68	106	1319	0.069	ug/L 74
58) Isopropylbenzene	11.00	105	86851	1.692	ug/L 99
64) 1,4-Dichlorobenzene	12.08	146	4711	0.197	ug/L # 82
66) 1,2-Dichlorobenzene	12.37	146	6999	0.317	ug/L 92

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration

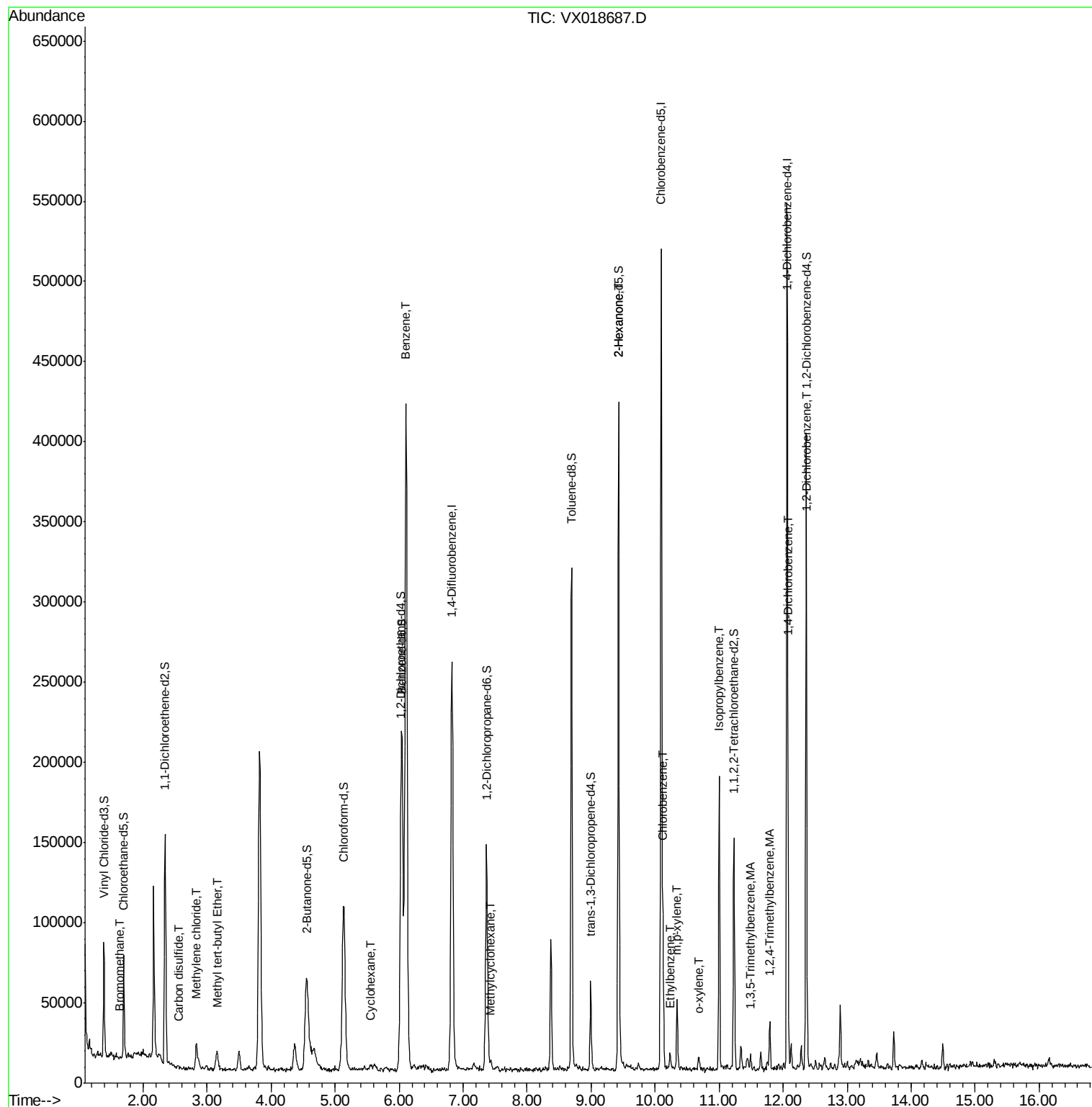
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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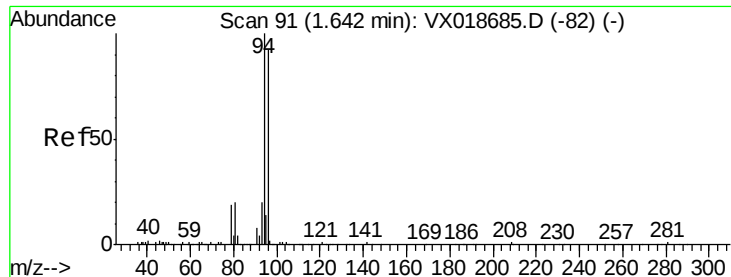
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.089 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018687.D

Acq: 30 Sep 2020 09:51

Instrument :

MSVOA_X

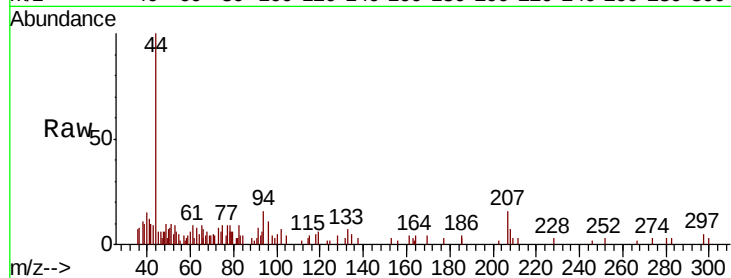
ClientSampled :

Tot Ion: 94 Resp: 707

Ion Ratio Lower Upper

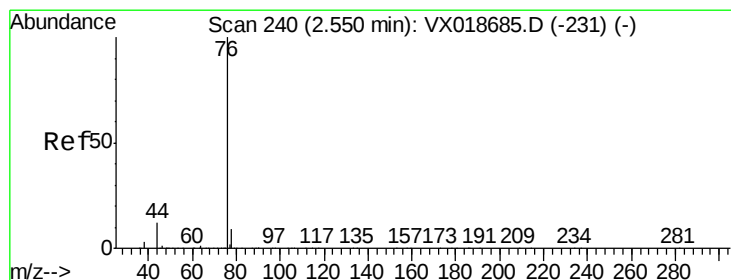
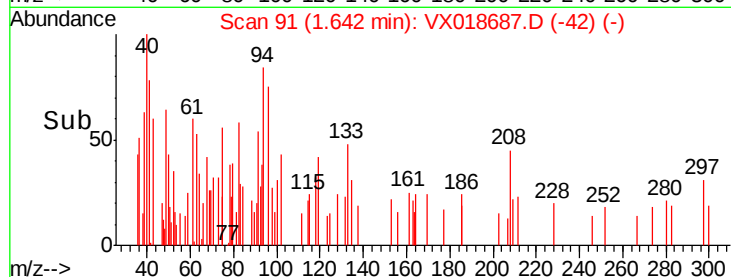
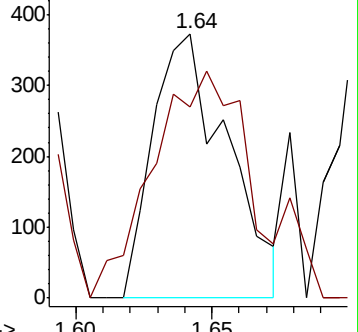
94 100

96 72.4 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#14

Carbon disulfide

Concen: 0.055 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018687.D

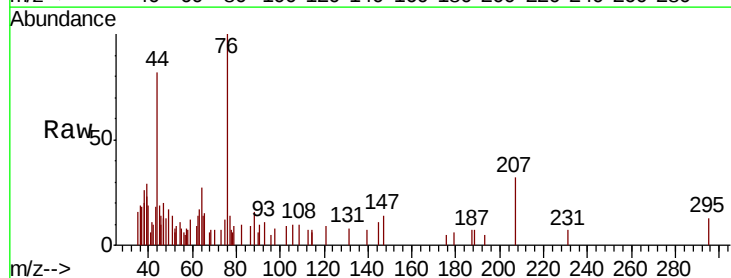
Acq: 30 Sep 2020 09:51

Tgt Ion: 76 Resp: 2024

Ion Ratio Lower Upper

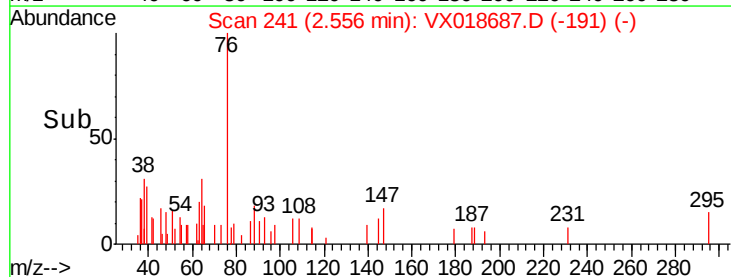
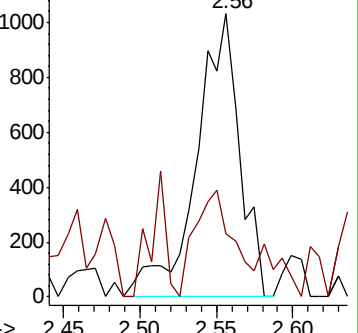
76 100

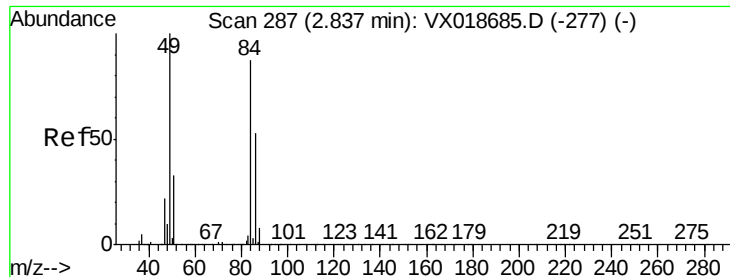
78 22.3 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

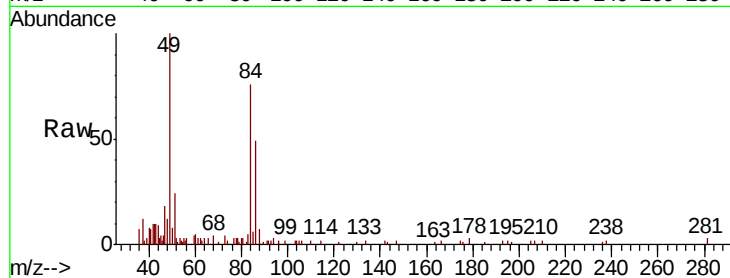




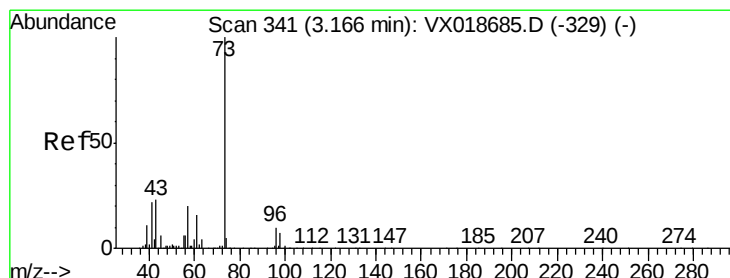
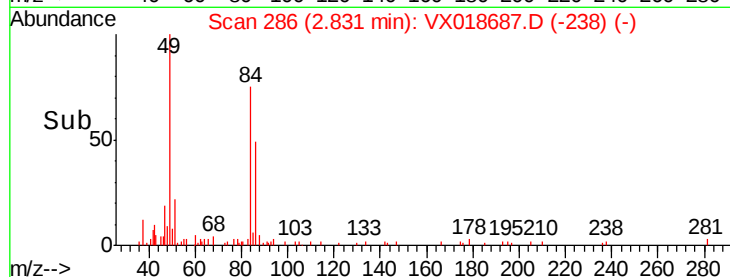
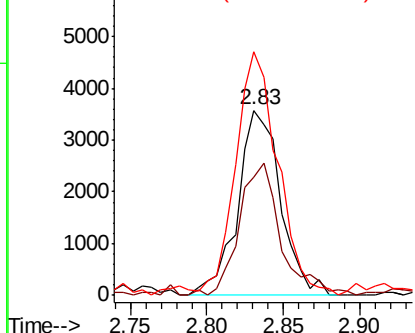
#16
Methvlene chloride
Concen: 0.425 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018687.D
Acq: 30 Sep 2020 09:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 6994
Ion Ratio Lower Upper
84 100
86 64.2 41.9 77.7
49 131.7 80.8 150.2

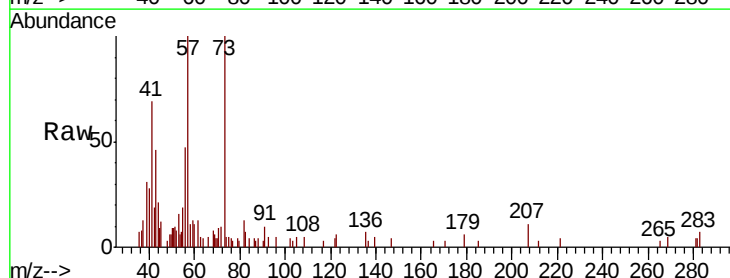


Abundance Ion 84.05 (83.75 to 84.75): VX0
Ion 86.00 (85.70 to 86.70): VX0
Ion 49.10 (48.80 to 49.80): VX0

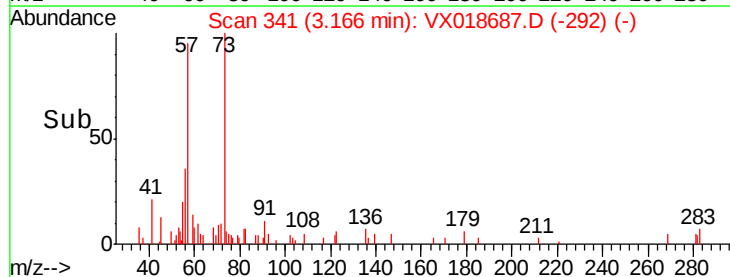
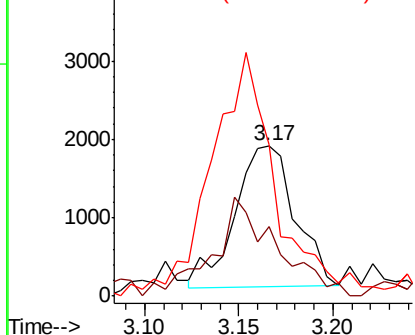


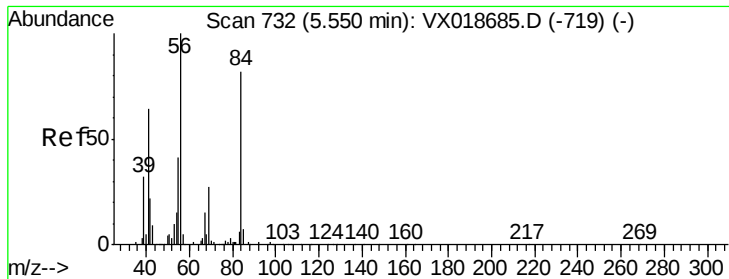
#17
Methyl tert-butyl Ether
Concen: 0.149 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018687.D
Acq: 30 Sep 2020 09:51

Tgt Ion: 73 Resp: 3989
Ion Ratio Lower Upper
73 100
43 74.5 18.6 27.8#
57 186.4 17.3 25.9#



Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

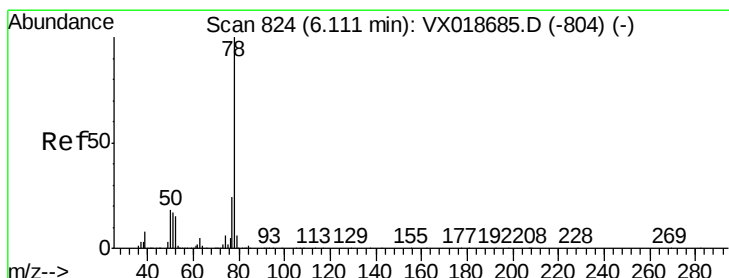
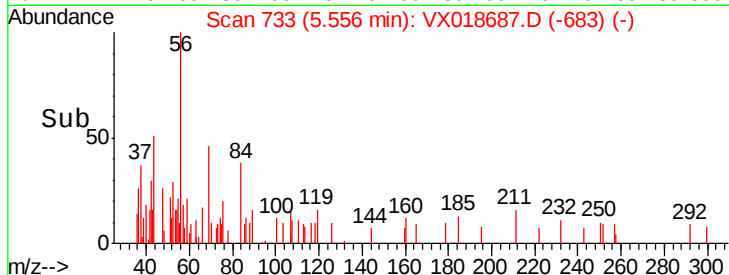
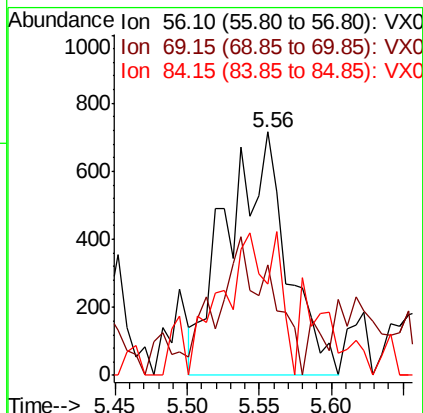
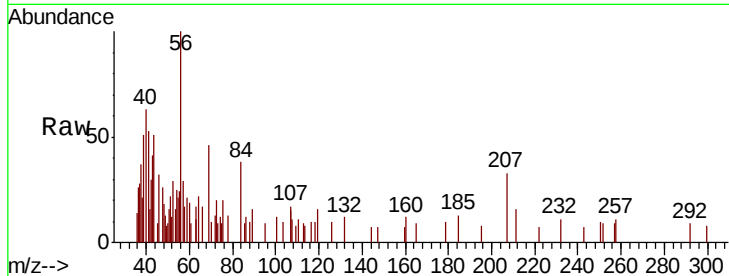




#30
Cyclohexane
Concen: 0.118 ug/L
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX018687.D
Acq: 30 Sep 2020 09:51

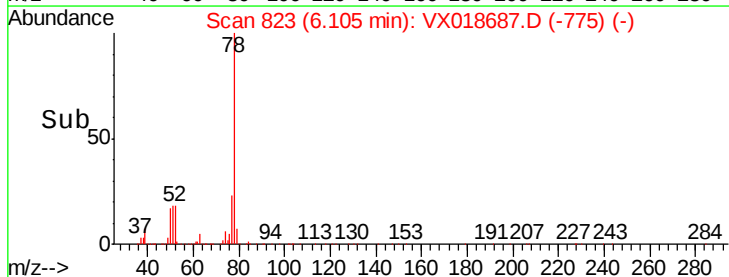
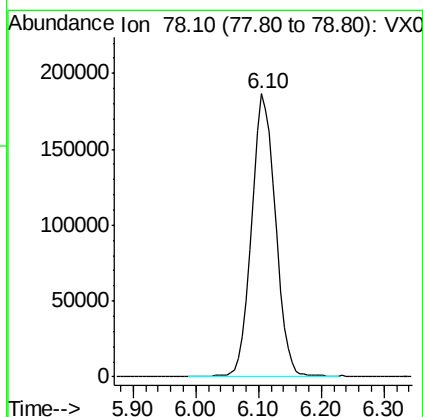
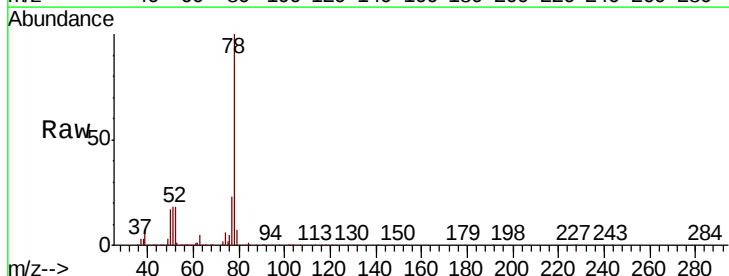
Instrument :
MSVOA_X
ClientSampled :

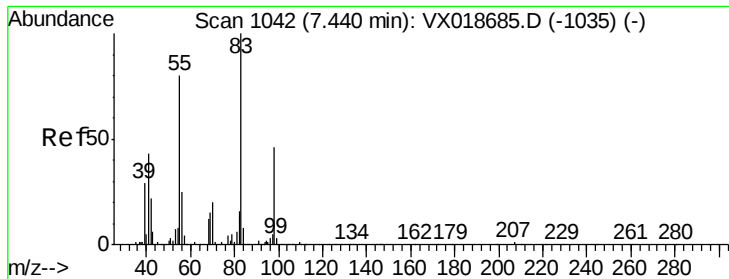
Tot Ion: 56 Resp: 2081
Ion Ratio Lower Upper
56 100
69 49.6 26.4 39.6#
84 52.1 72.7 109.1#



#33
Benzene
Concen: 10.961 ug/L
RT: 6.10 min Scan# 823
Delta R.T. -0.01 min
Lab File: VX018687.D
Acq: 30 Sep 2020 09:51

Tgt Ion: 78 Resp: 493504

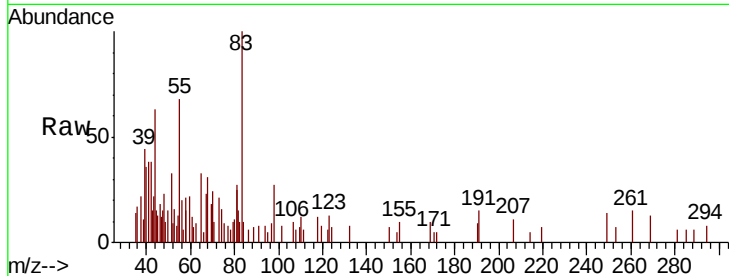




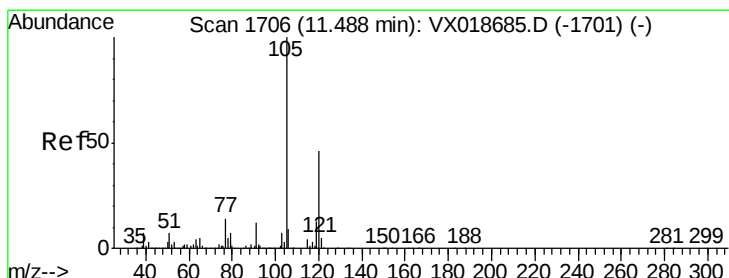
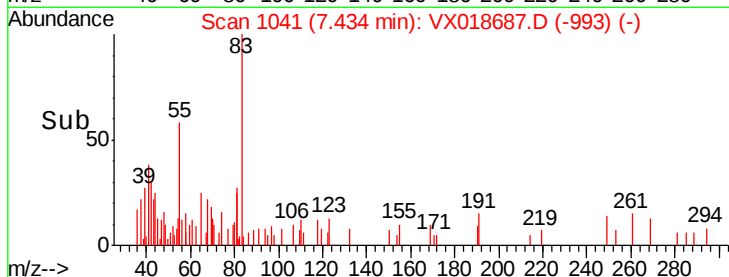
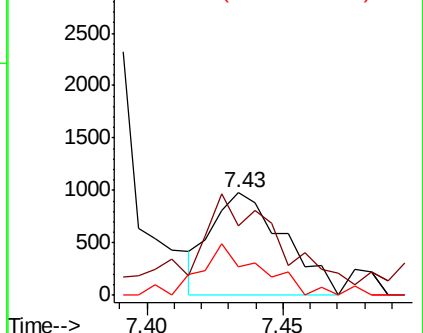
#35
Methylcyclohexane
Concen: 0.099 ug/L
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX018687.D
Acq: 30 Sep 2020 09:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 1800
Ion Ratio Lower Upper
83 100
55 94.3 67.4 101.0
98 44.1 41.1 61.7

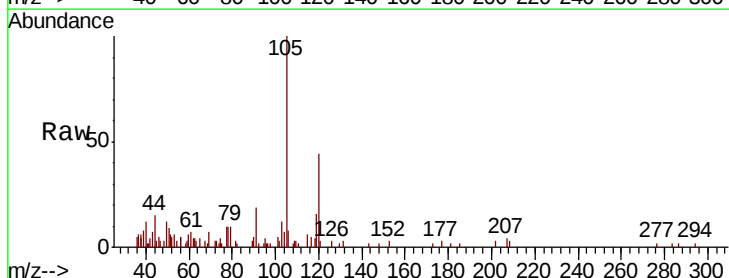


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

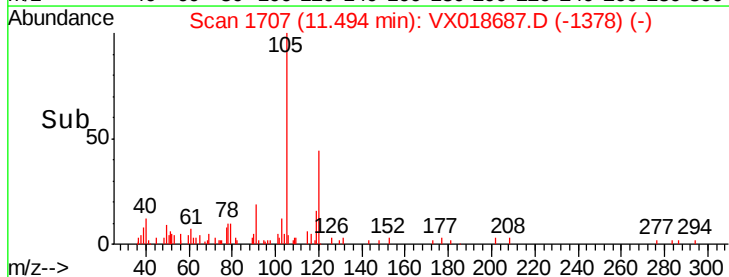
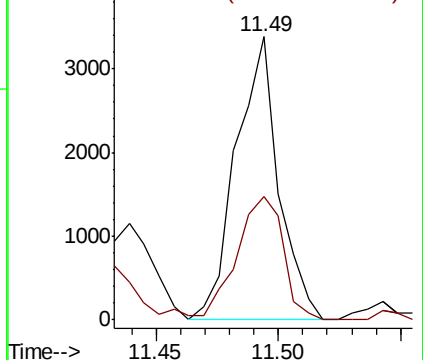


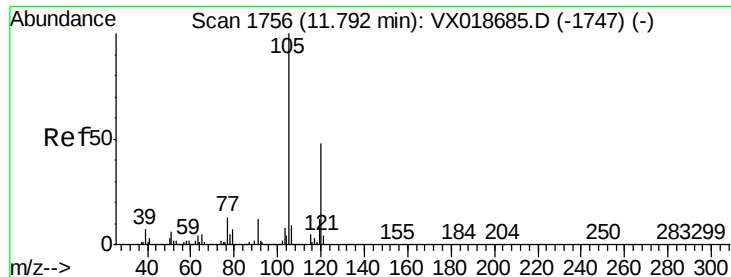
#43
1,3,5-Trimethylbenzene
Concen: 0.096 ug/L
RT: 11.49 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VX018687.D
Acq: 30 Sep 2020 09:51

Tgt Ion:105 Resp: 4096
Ion Ratio Lower Upper
105 100
120 47.4 37.2 55.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

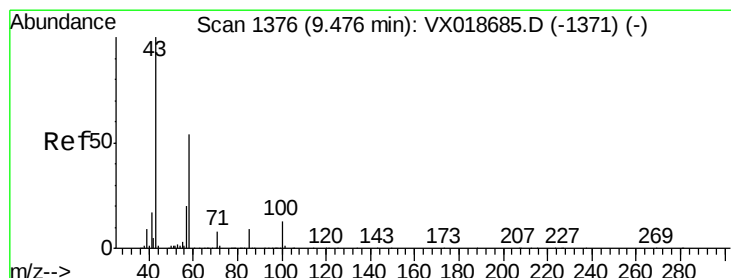
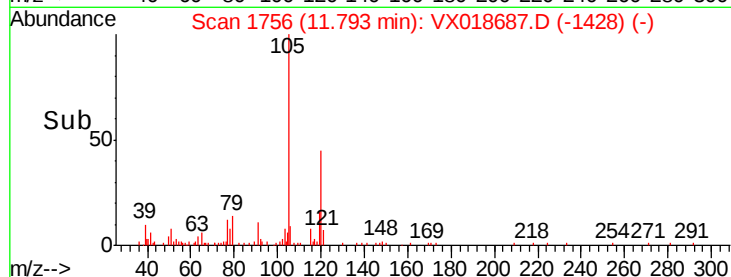
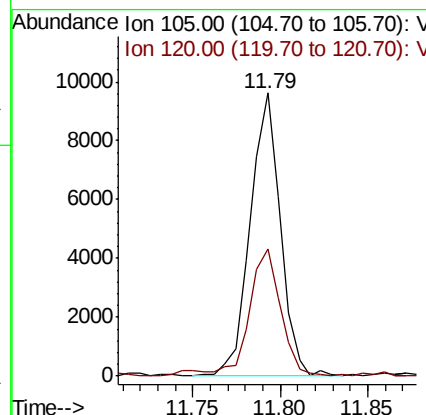
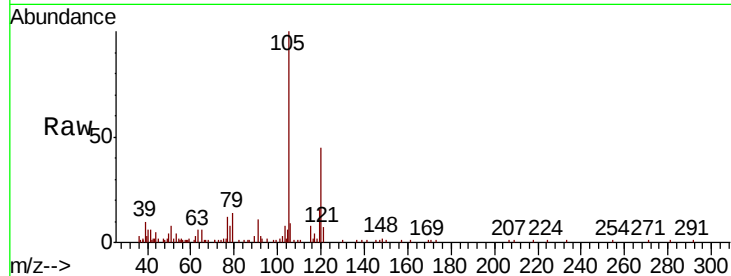




#44
 1,2,4-Trimethylbenzene
 Concen: 0.271 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018687.D
 Acq: 30 Sep 2020 09:51

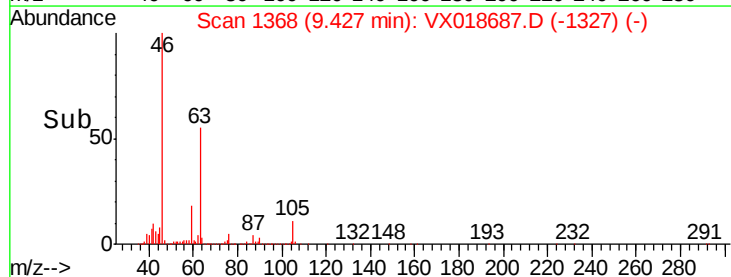
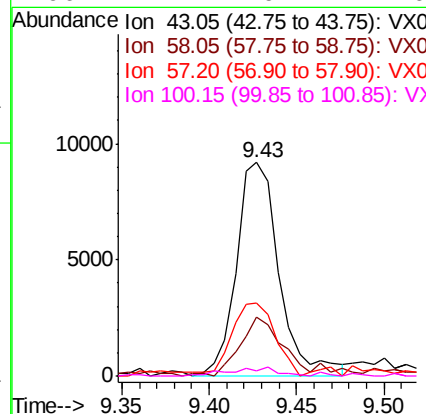
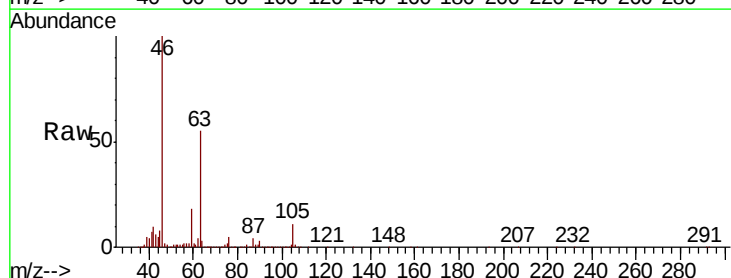
Instrument :
 MSVOA_X
 ClientSampled :

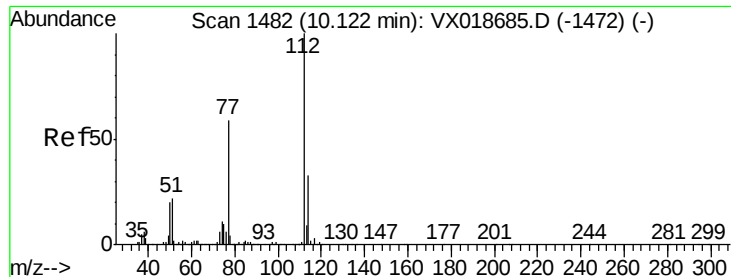
Tot Ion:105 Resp: 11530
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.8 55.2



#50
 2-Hexanone
 Concen: 3.315 ug/L
 RT: 9.43 min Scan# 1368
 Delta R.T. -0.05 min
 Lab File: VX018687.D
 Acq: 30 Sep 2020 09:51

Tgt Ion: 43 Resp: 15623
 Ion Ratio Lower Upper
 43 100
 58 26.8 42.5 63.7#
 57 35.2 15.9 23.9#
 100 4.4 9.4 14.0#





#53

Chlorobenzene

Concen: 1.180 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018687.D

Acq: 30 Sep 2020 09:51

Instrument :

MSVOA_X

ClientSampleId :

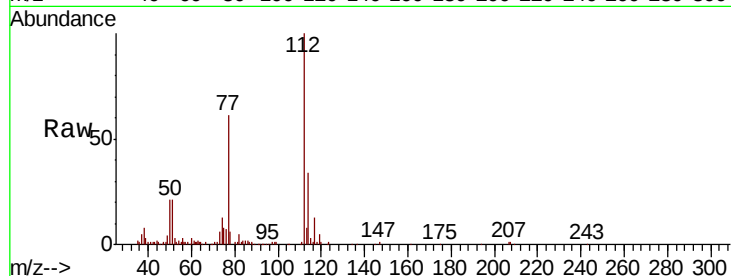
Tot Ion:112 Resp: 37920

Ion Ratio Lower Upper

112 100

114 34.3 20.6 38.4

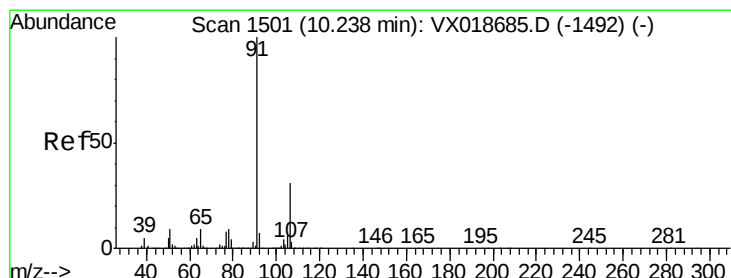
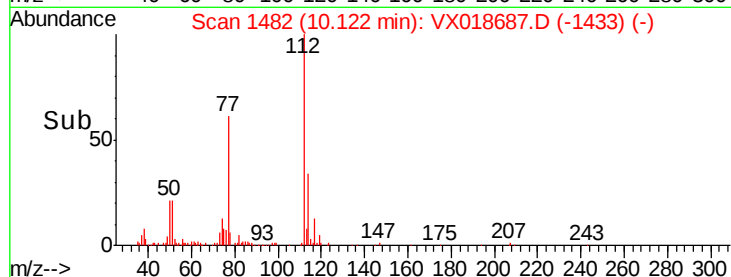
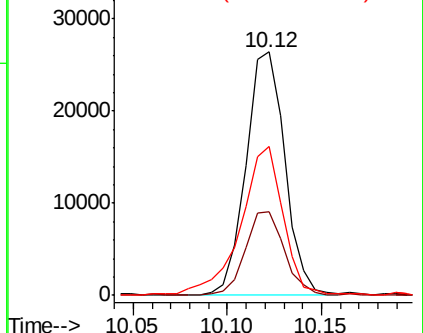
77 61.0 46.6 69.8



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: 0.101 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX018687.D

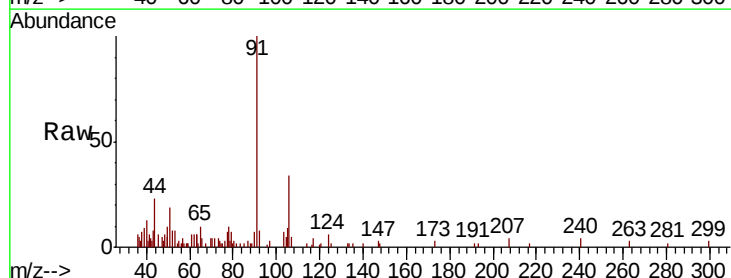
Acq: 30 Sep 2020 09:51

Tgt Ion: 91 Resp: 5353

Ion Ratio Lower Upper

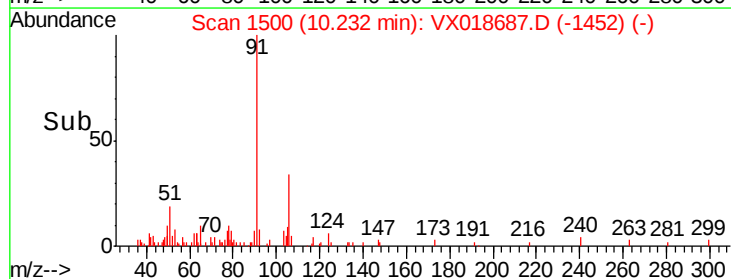
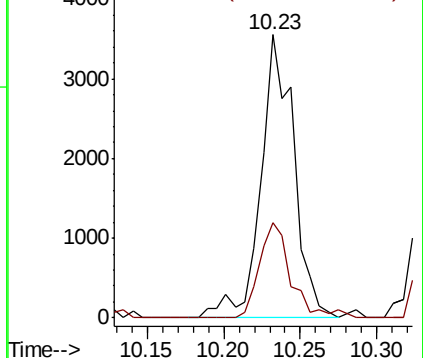
91 100

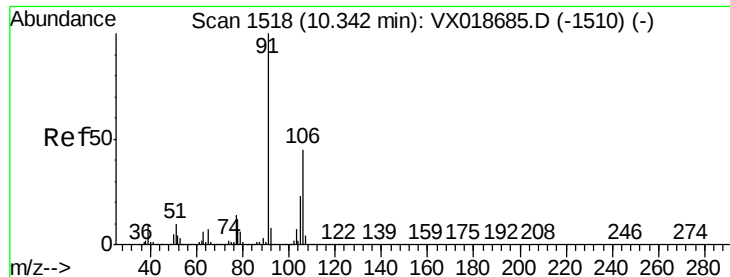
106 33.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.493 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018687.D

Acq: 30 Sep 2020 09:51

Instrument :

MSVOA_X

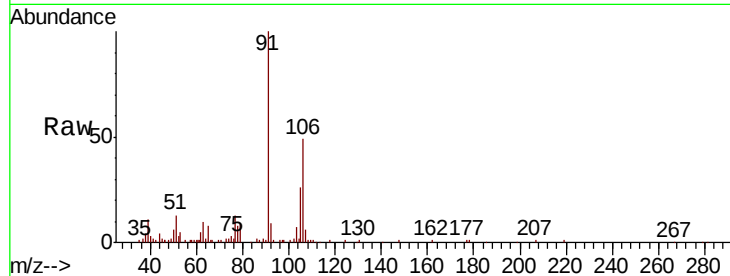
ClientSampleId :

Tot Ion:106 Resp: 9981

Ion Ratio Lower Upper

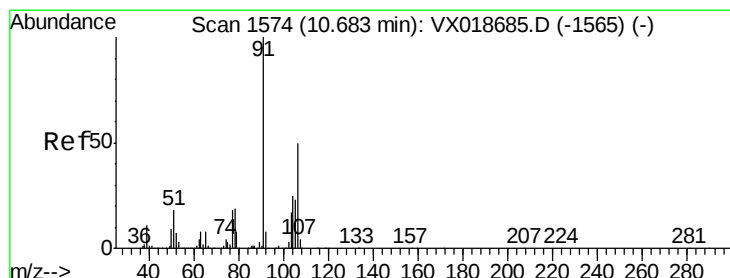
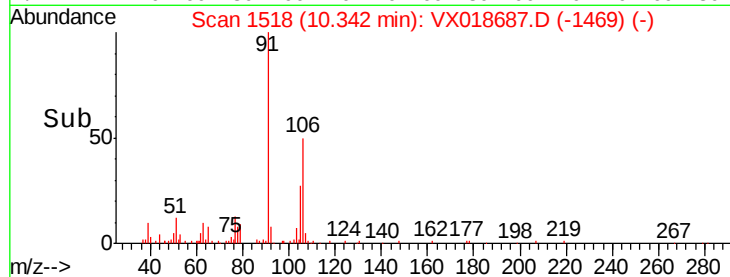
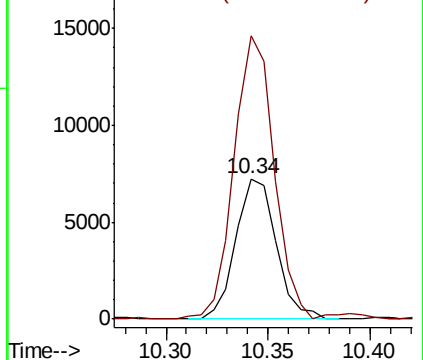
106 100

91 202.0 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.069 ug/L

RT: 10.68 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VX018687.D

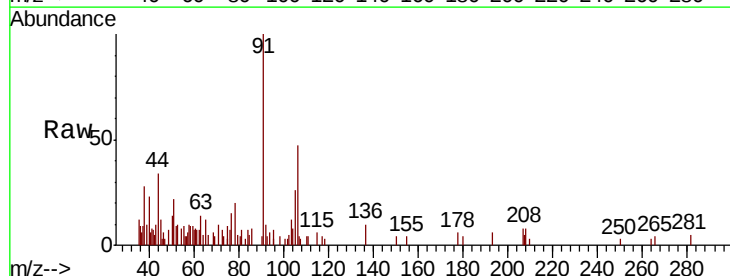
Acq: 30 Sep 2020 09:51

Tgt Ion:106 Resp: 1319

Ion Ratio Lower Upper

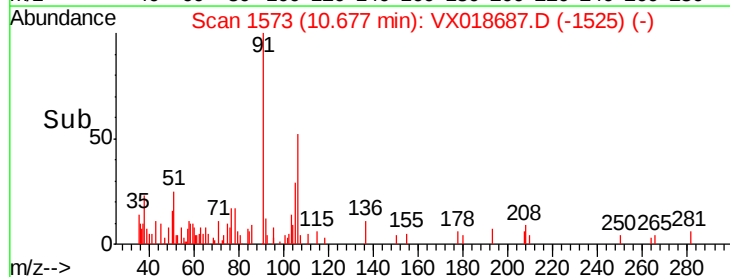
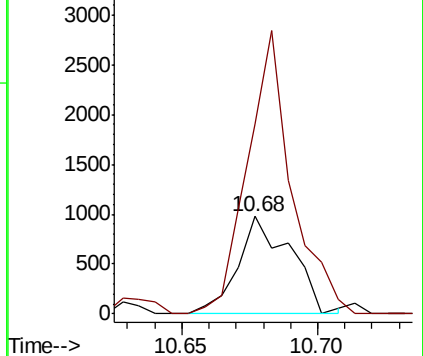
106 100

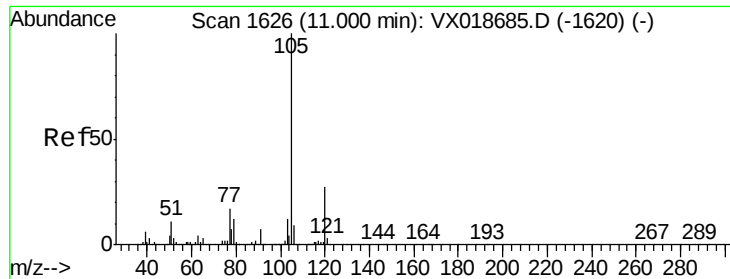
91 194.7 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 1.692 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018687.D

Acq: 30 Sep 2020 09:51

Instrument :

MSVOA_X

ClientSampleId :

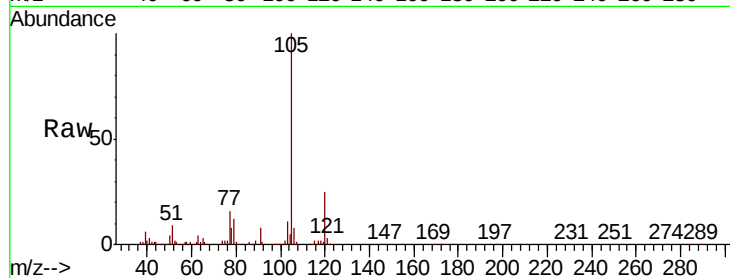
Tot Ion:105 Resp: 86851

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

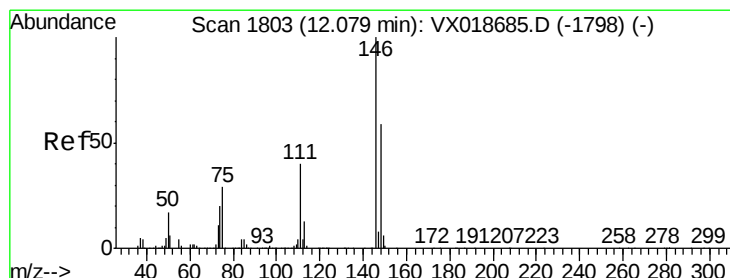
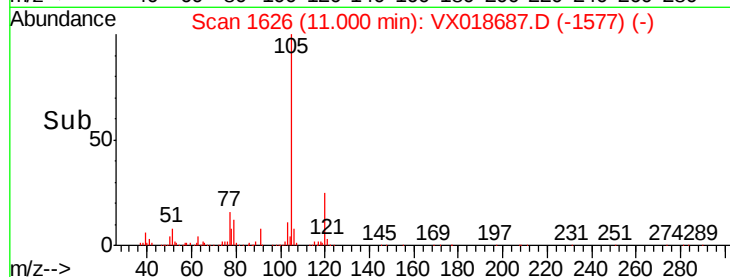
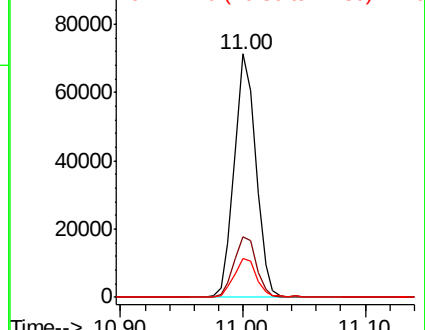
77 17.1 13.3 19.9



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



#64

1,4-Dichlorobenzene

Concen: 0.197 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018687.D

Acq: 30 Sep 2020 09:51

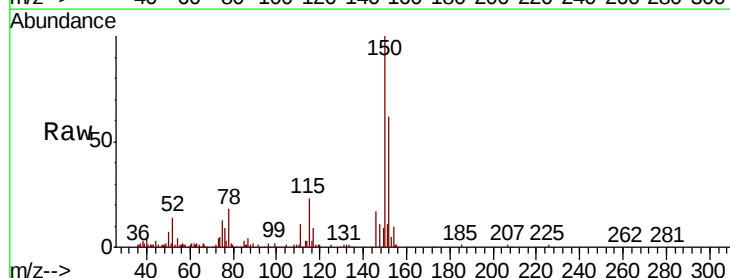
Tgt Ion:146 Resp: 4711

Ion Ratio Lower Upper

146 100

111 65.7 28.8 53.4#

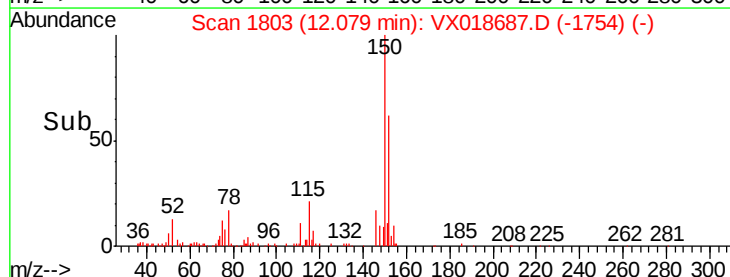
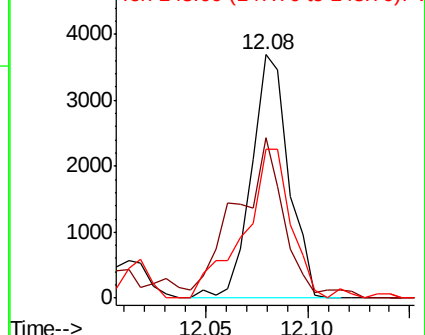
148 61.3 44.9 83.3

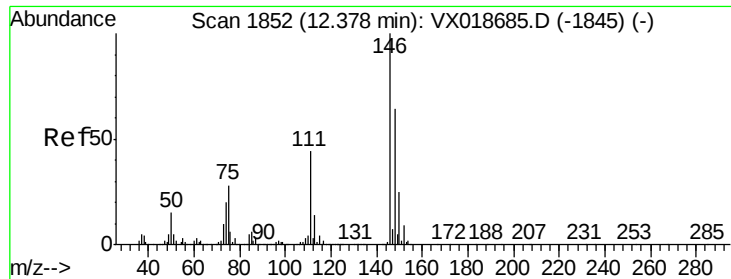


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

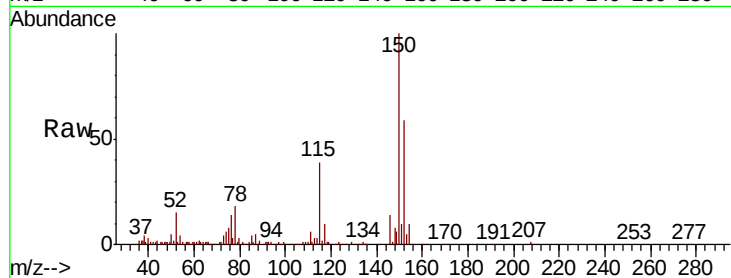




#66
 1,2-Dichlorobenzene
 Concen: 0.317 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX018687.D
 Acq: 30 Sep 2020 09:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	33.6	50.4
148	59.8	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

