

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092920\
 Data File : VX018678.D
 Acq On : 30 Sep 2020 00:19
 Operator : JC/SP
 Sample : L4135-08DL 10X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 30 07:13:09 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	237642	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	223220	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	100104	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	48299	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.70	69	44850	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.34	63	92885	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.56	46	158682	50.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.08%
24) Chloroform-d	5.14	84	129427	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	6.03	65	73260	4.27	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
32) Benzene-d6	6.05	84	232017	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	7.37	67	71961	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	8.70	98	204223	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
45) trans-1,3-Dichloropropene-	8.99	79	28123	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
48) 2-Hexanone-d5	9.43	63	117870	47.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.28%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	55050	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	79375	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.32	50	1466	0.119	ug/L	88
15) Methyl Acetate	2.76	43	537	0.111	ug/L	95
16) Methylene chloride	2.83	84	4299	0.271	ug/L	95
17) Methyl tert-butyl Ether	3.17	73	4871	0.189	ug/L #	1
22) cis-1,2-Dichloroethene	4.56	96	630	0.052	ug/L #	61
33) Benzene	6.12	78	507983	11.803	ug/L	100
35) Methylcyclohexane	7.44	83	1905	0.110	ug/L #	86
37) 1,2-Dichloropropane	7.37	63	9692	0.844	ug/L #	88
43) 1,3,5-Trimethylbenzene	11.79	105	4889	0.120	ug/L	100
44) 1,2,4-Trimethylbenzene	11.79	105	4889	0.120	ug/L	99
50) 2-Hexanone	9.43	43	16842	3.738	ug/L #	71
53) Chlorobenzene	10.12	112	38308	1.247	ug/L	94
55) m,p-xylene	10.35	106	9086	0.469	ug/L	77
56) o-xylene	10.68	106	1641	0.090	ug/L #	54
58) Isopropylbenzene	11.00	105	84710	1.727	ug/L	100
64) 1,4-Dichlorobenzene	12.09	146	4671	0.212	ug/L	95
66) 1,2-Dichlorobenzene	12.38	146	6880	0.339	ug/L #	86

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Instrument :
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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

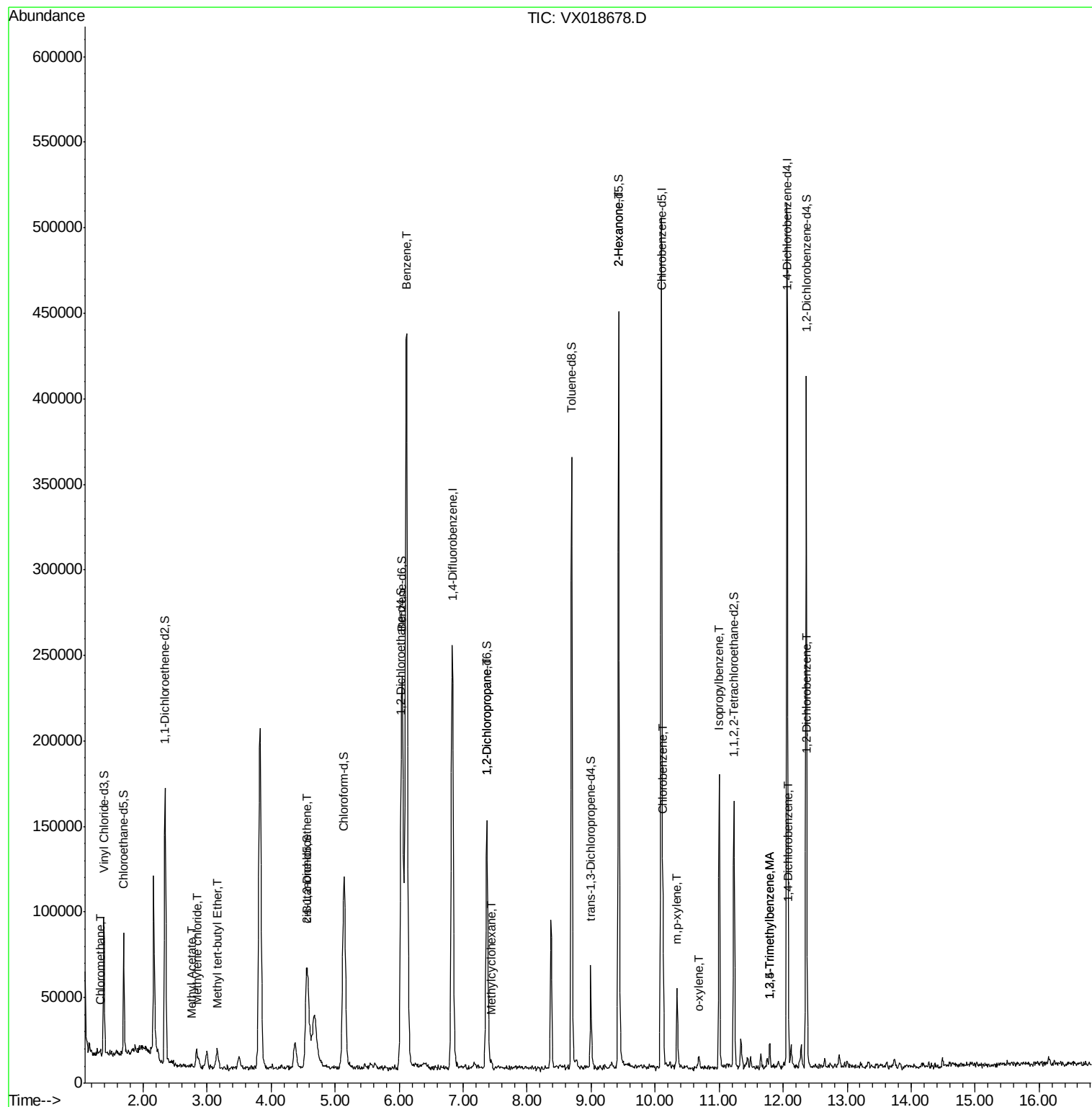
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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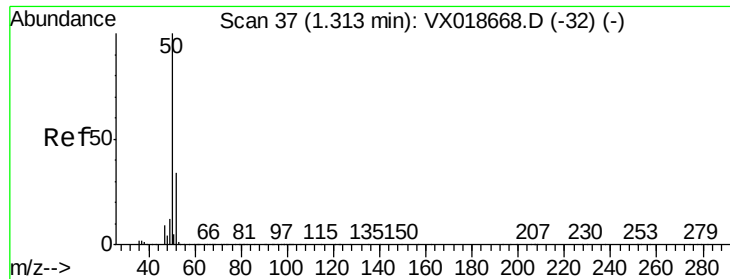
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.119 ug/L

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018678.D

Acq: 30 Sep 2020 00:19

Instrument :

MSVOA_X

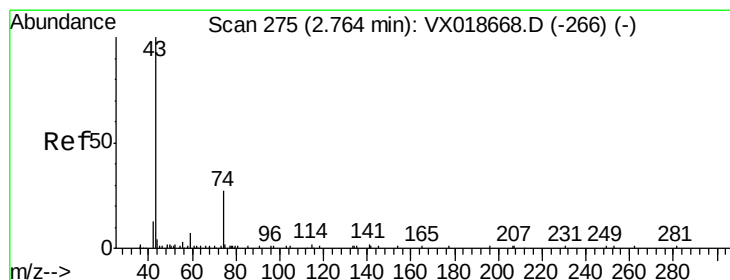
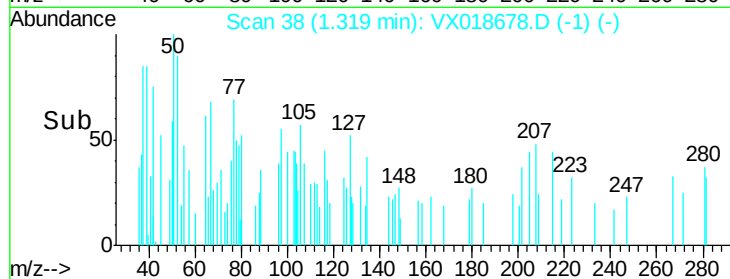
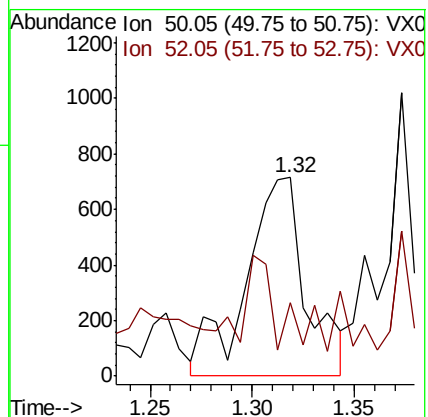
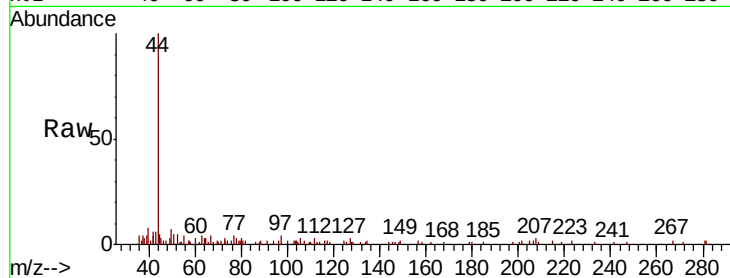
ClientSampleId :

Tot Ion: 50 Resp: 1466

Ion Ratio Lower Upper

50 100

52 36.8 21.2 39.4



#15

Methyl Acetate

Concen: 0.111 ug/L

RT: 2.76 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX018678.D

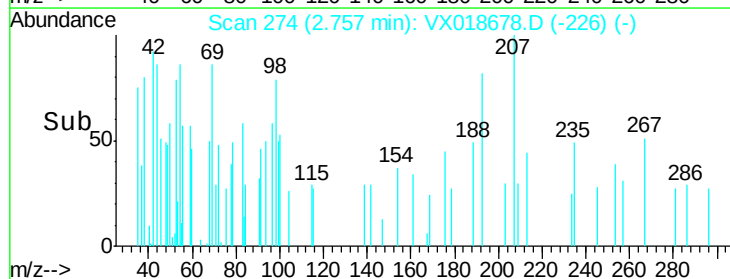
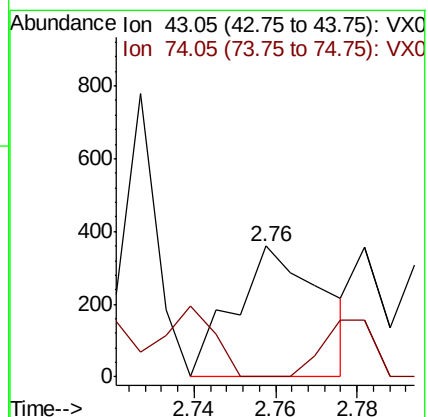
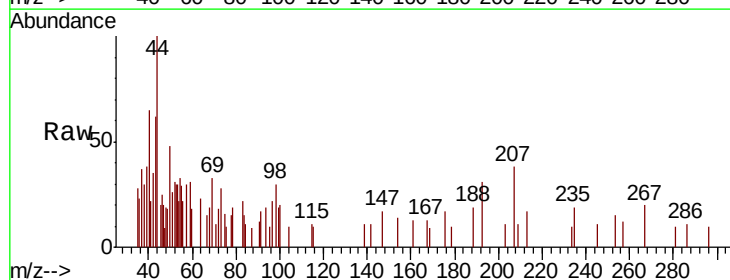
Acq: 30 Sep 2020 00:19

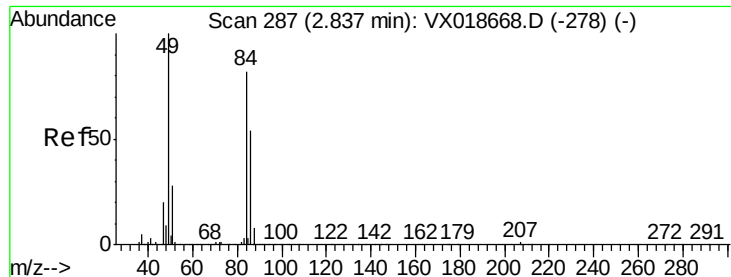
Tgt Ion: 43 Resp: 537

Ion Ratio Lower Upper

43 100

74 29.2 21.2 31.8

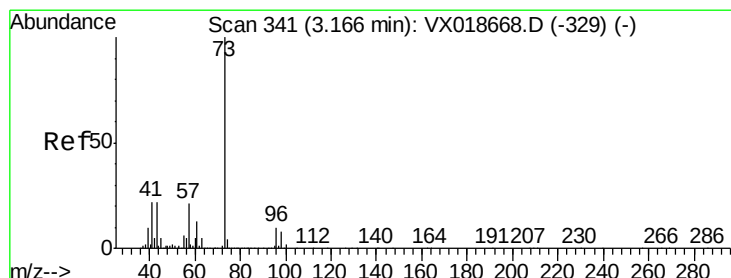
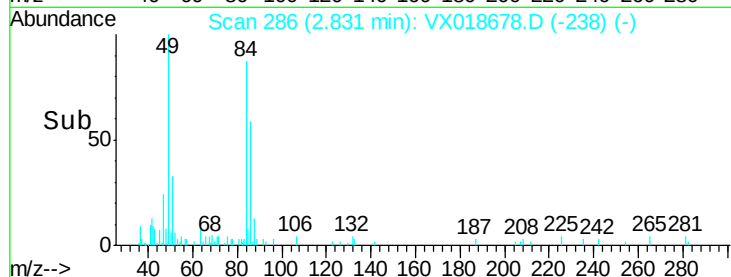
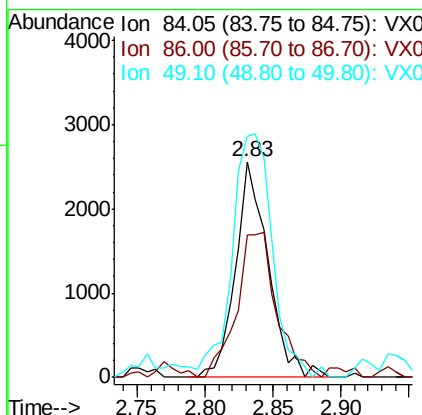
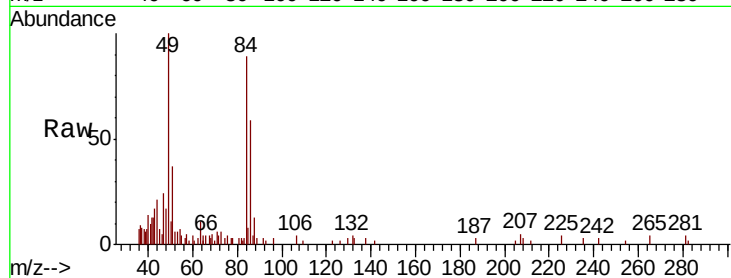




#16
Methylene chloride
Concen: 0.271 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018678.D
Acq: 30 Sep 2020 00:19

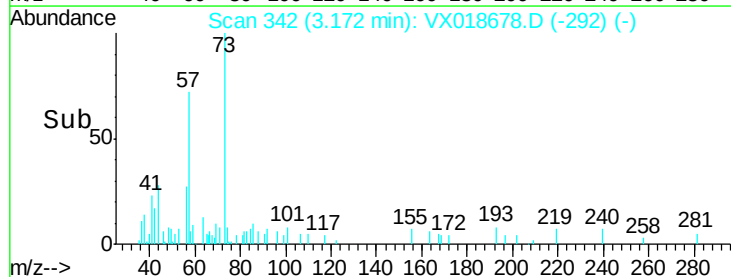
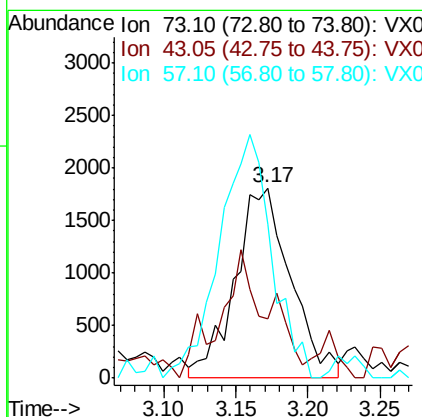
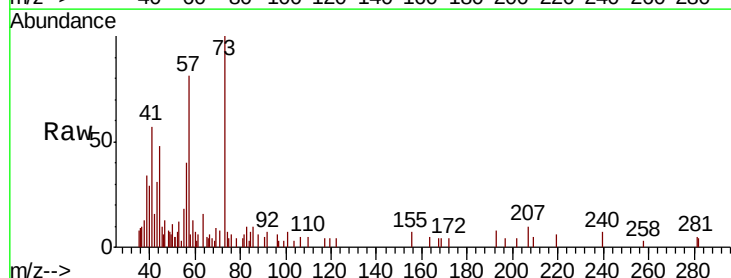
Instrument :
MSVOA_X
ClientSampleId :

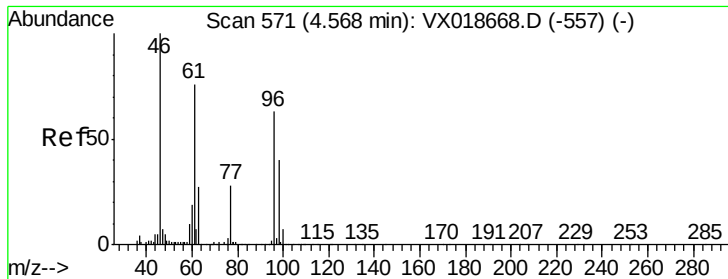
Tot Ion: 84 Resp: 4299
Ion Ratio Lower Upper
84 100
86 66.2 41.9 77.7
49 111.9 80.8 150.2



#17
Methyl tert-butyl Ether
Concen: 0.189 ug/L
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX018678.D
Acq: 30 Sep 2020 00:19

Tgt Ion: 73 Resp: 4871
Ion Ratio Lower Upper
73 100
43 36.4 18.6 27.8#
57 120.0 17.3 25.9#



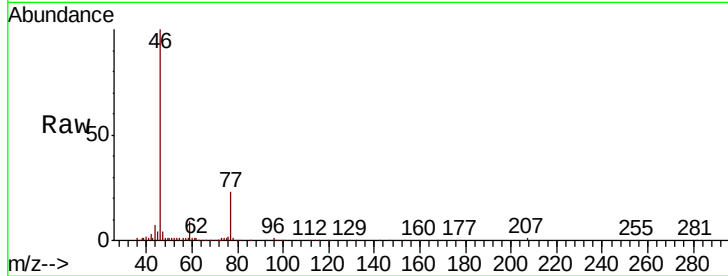


#22

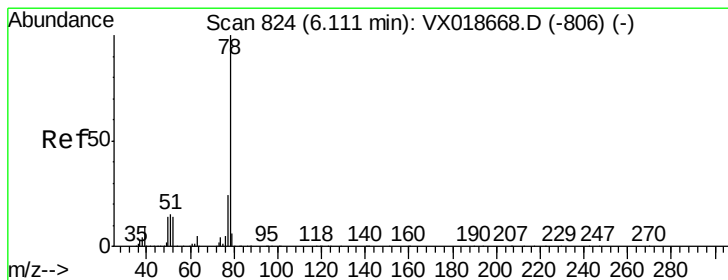
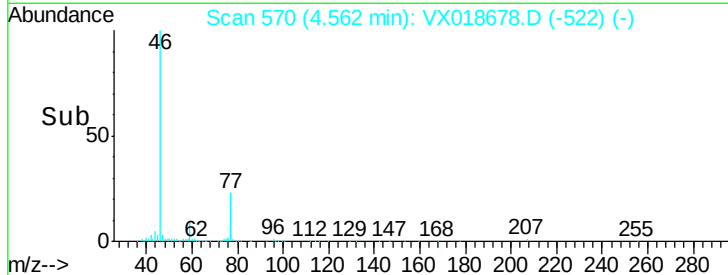
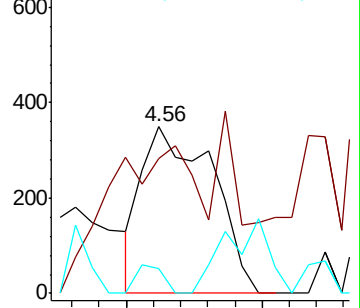
cis-1,2-Dichloroethene
Concen: 0.052 ug/L
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX018678.D
Acq: 30 Sep 2020 00:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 630
Ion Ratio Lower Upper
96 100
61 81.1 87.7 162.9#
68 14.9 0.3 0.7#



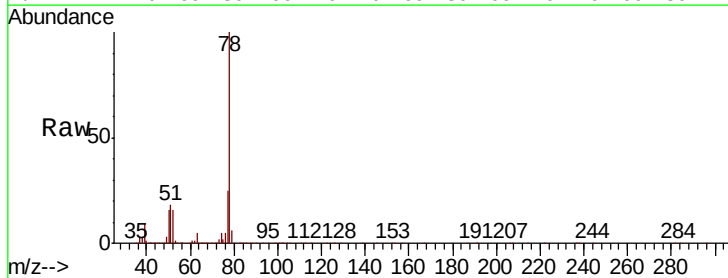
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 68.15 (67.85 to 68.85): VX0



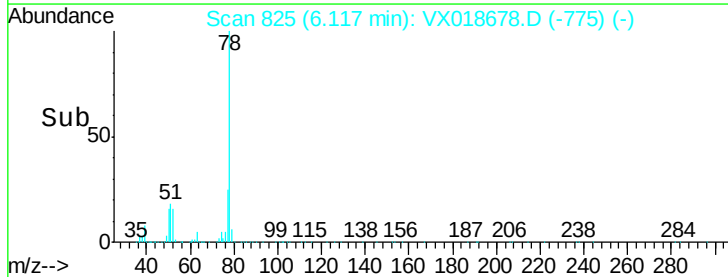
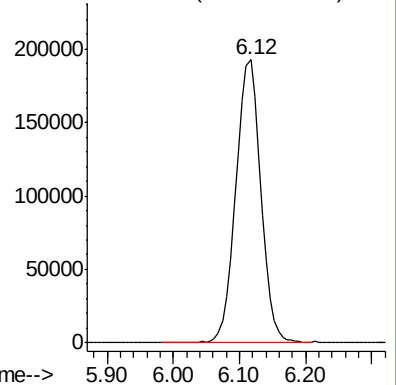
#33

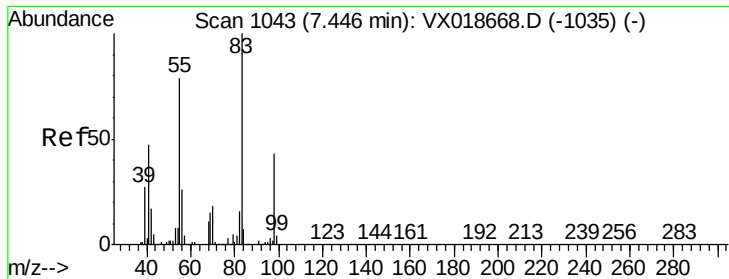
Benzene
Concen: 11.803 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX018678.D
Acq: 30 Sep 2020 00:19

Tgt Ion: 78 Resp: 507983



Abundance Ion 78.10 (77.80 to 78.80): VX0

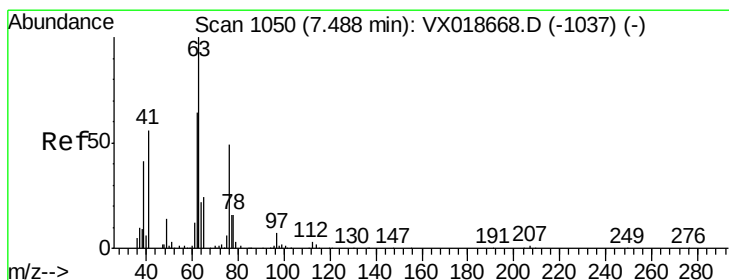
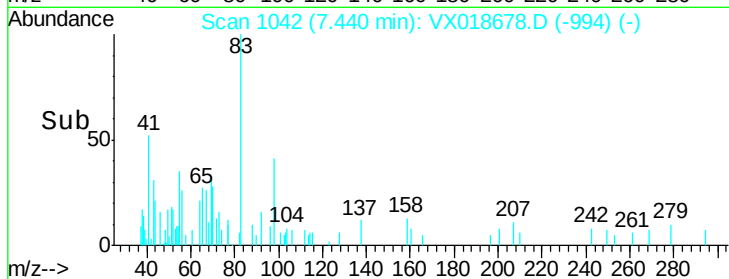
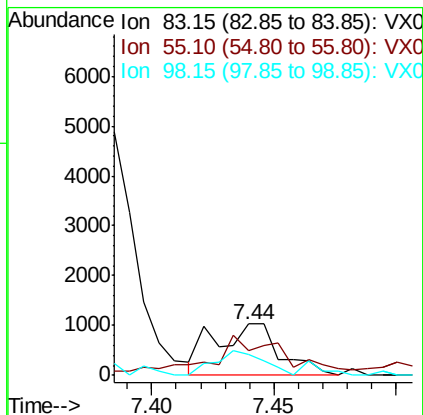
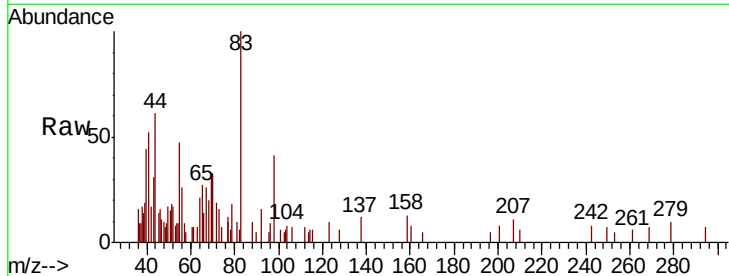




#35
Methvlcvclohexane
Concen: 0.110 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX018678.D
Acq: 30 Sep 2020 00:19

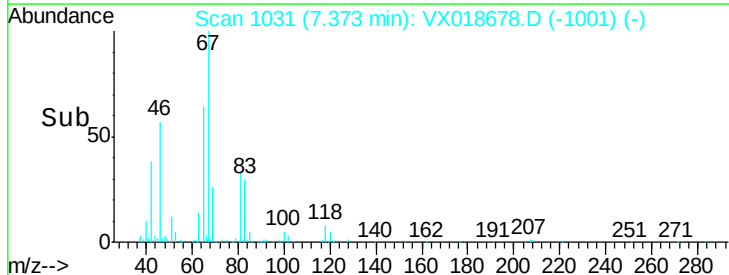
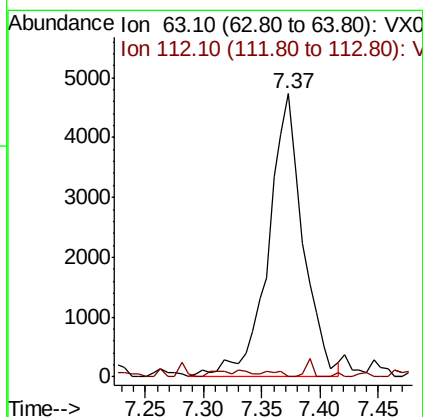
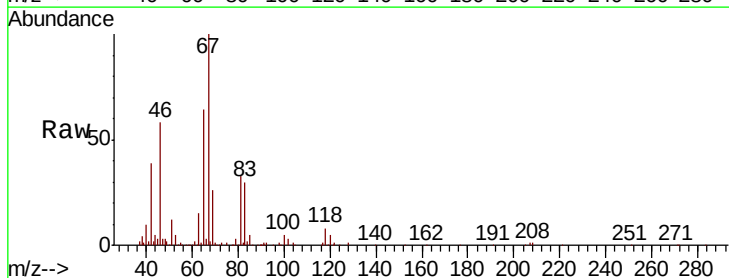
Instrument :
MSVOA_X
ClientSampleId :

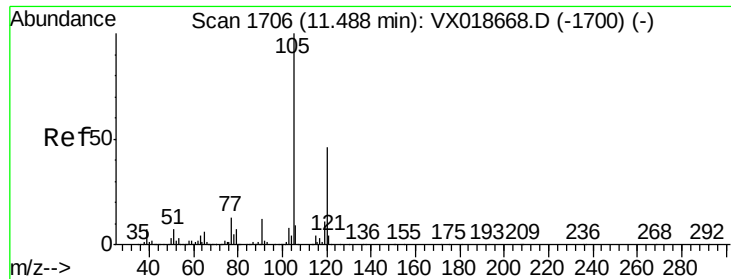
Tot Ion: 83 Resp: 1905
Ion Ratio Lower Upper
83 100
55 91.9 67.4 101.0
98 35.6 41.1 61.7#



#37
1,2-Dichloropropane
Concen: 0.844 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VX018678.D
Acq: 30 Sep 2020 00:19

Tgt Ion: 63 Resp: 9692
Ion Ratio Lower Upper
63 100
112 0.9 4.1 6.1#





#43

1,3,5-Trimethylbenzene

Concen: 0.120 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.30 min

Lab File: VX018678.D

Acq: 30 Sep 2020 00:19

Instrument :

MSVOA_X

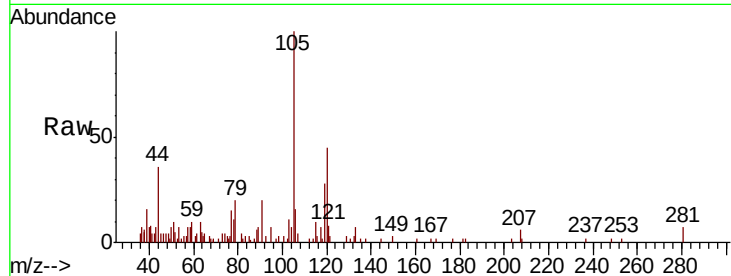
ClientSampleId :

Tot Ion:105 Resp: 4889

Ion Ratio Lower Upper

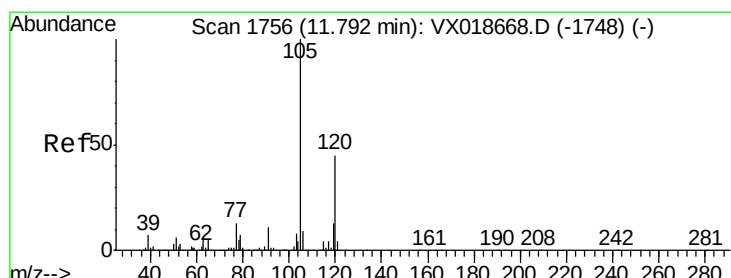
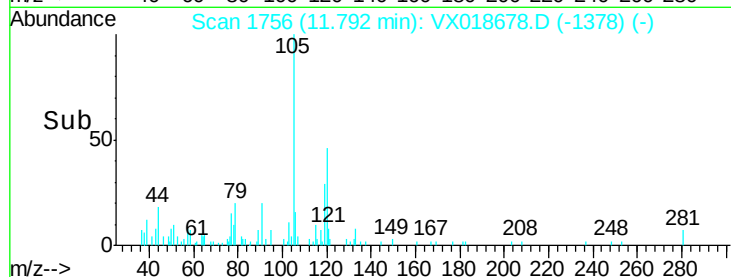
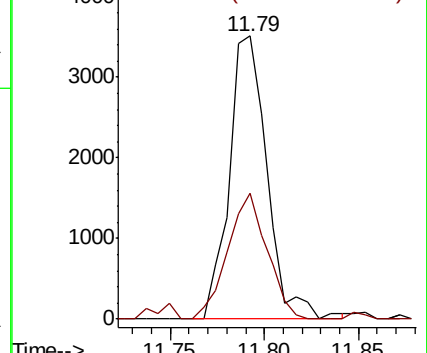
105 100

120 46.4 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: 0.120 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018678.D

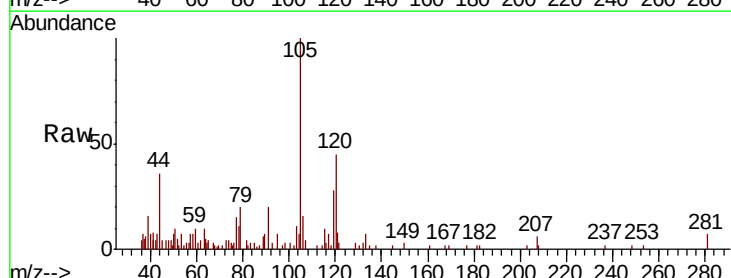
Acq: 30 Sep 2020 00:19

Tgt Ion:105 Resp: 4889

Ion Ratio Lower Upper

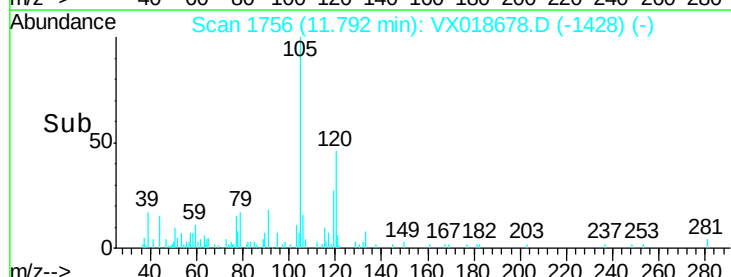
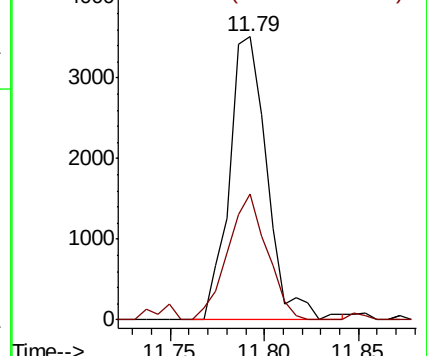
105 100

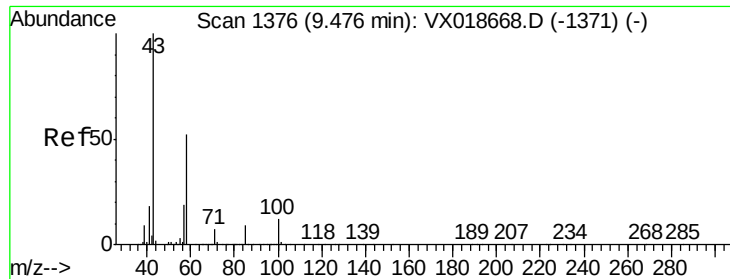
120 46.4 36.8 55.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

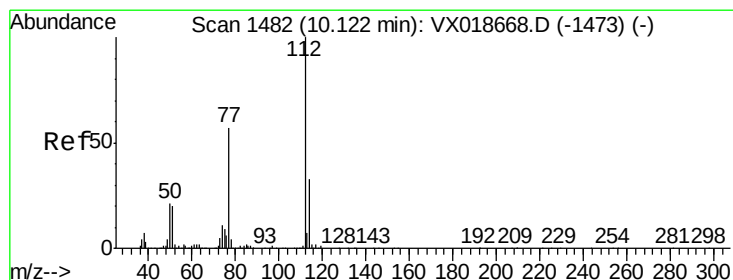
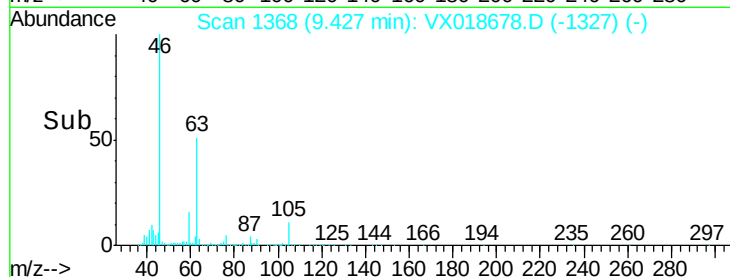
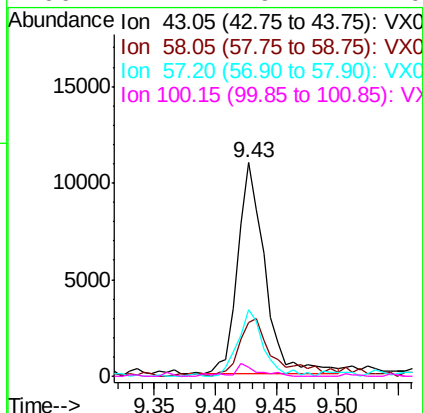
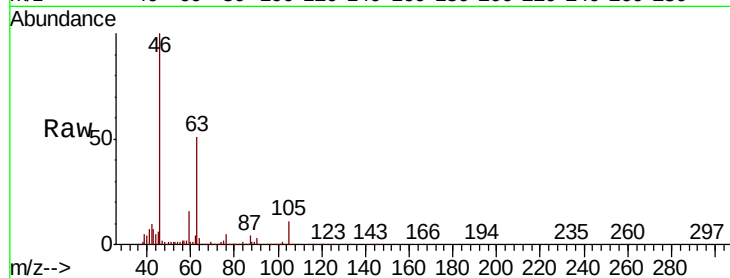




#50
2-Hexanone
Concen: 3.738 ug/L
RT: 9.43 min Scan# 1368
Delta R.T. -0.05 min
Lab File: VX018678.D
Acq: 30 Sep 2020 00:19

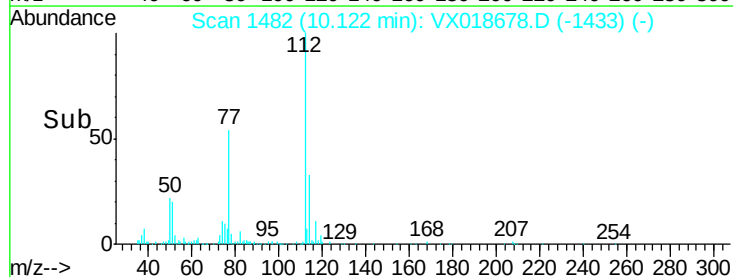
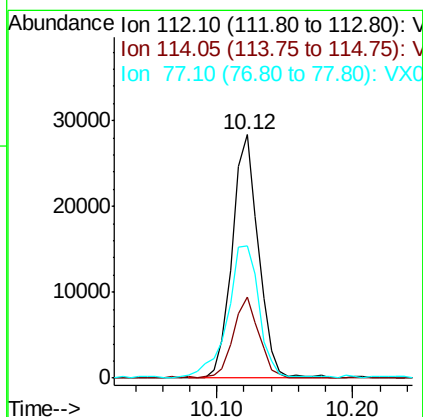
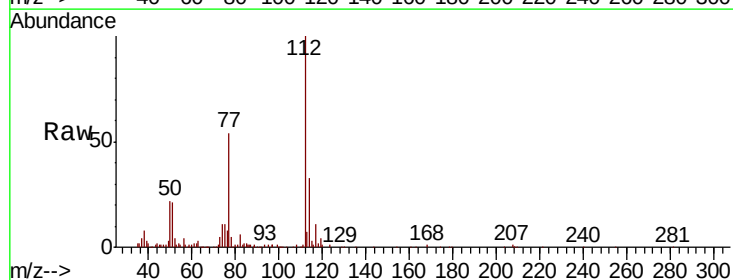
Instrument :
MSVOA_X
ClientSampleId :

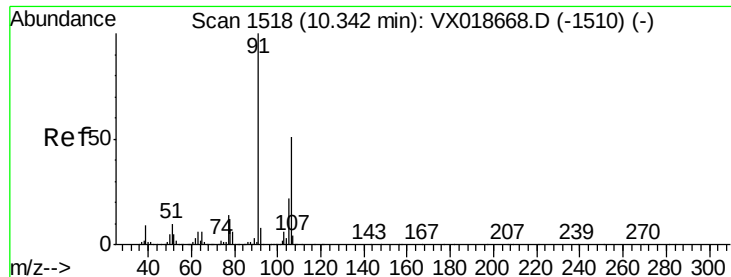
Tot Ion:	43	Resp:	16842
Ion	Ratio	Lower	Upper
43	100		
58	29.4	42.5	63.7#
57	29.6	15.9	23.9#
100	4.4	9.4	14.0#



#53
Chlorobenzene
Concen: 1.247 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018678.D
Acq: 30 Sep 2020 00:19

Tgt Ion:	112	Resp:	38308
Ion	Ratio	Lower	Upper
112	100		
114	33.2	20.6	38.4
77	54.3	46.6	69.8





#55

m,p-xylene

Concen: 0.469 ug/L

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX018678.D

Acq: 30 Sep 2020 00:19

Instrument :

MSVOA_X

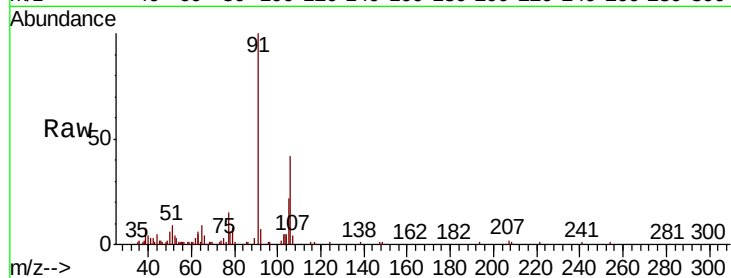
ClientSampleId :

Tot Ion:106 Resp: 9086

Ion Ratio Lower Upper

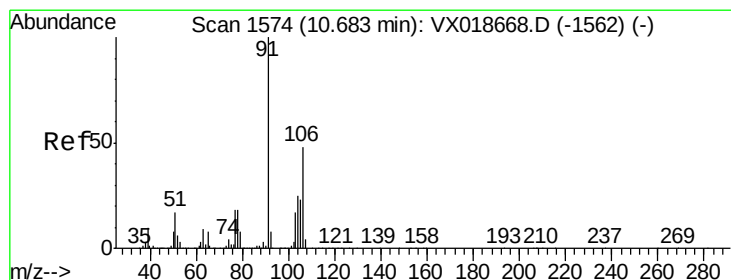
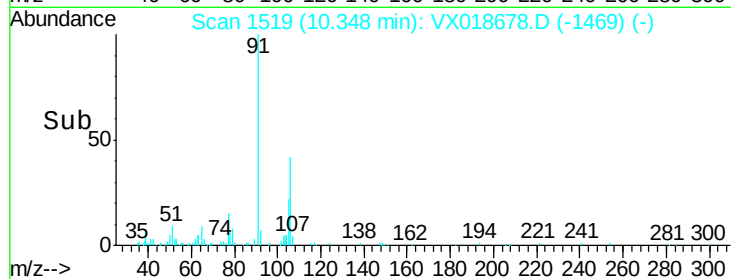
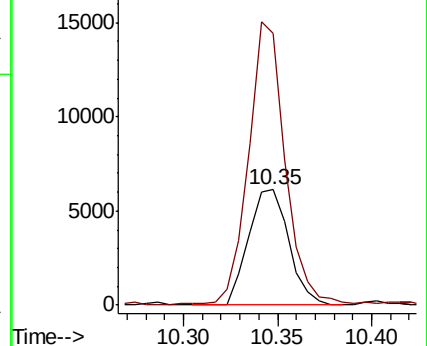
106 100

91 235.5 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.090 ug/L

RT: 10.68 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VX018678.D

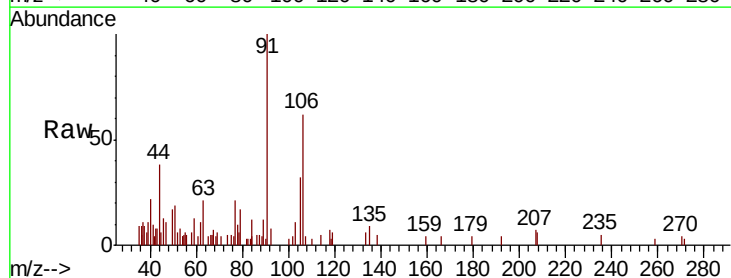
Acq: 30 Sep 2020 00:19

Tgt Ion:106 Resp: 1641

Ion Ratio Lower Upper

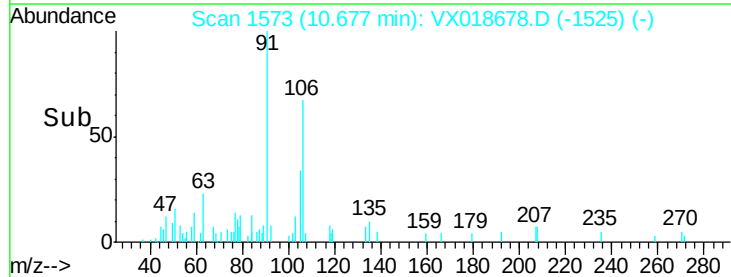
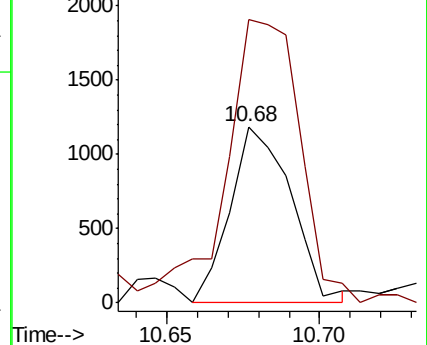
106 100

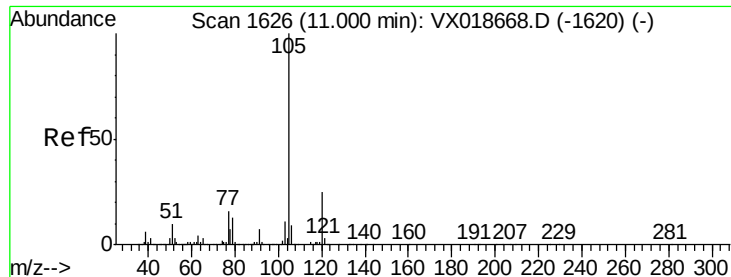
91 160.8 167.5 311.1#



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 1.727 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018678.D

Acq: 30 Sep 2020 00:19

Instrument :

MSVOA_X

ClientSampleId :

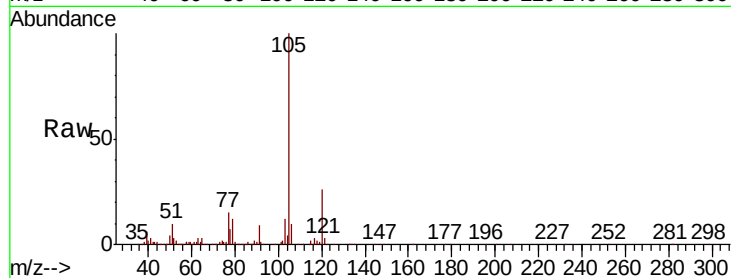
Tot Ion:105 Resp: 84710

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

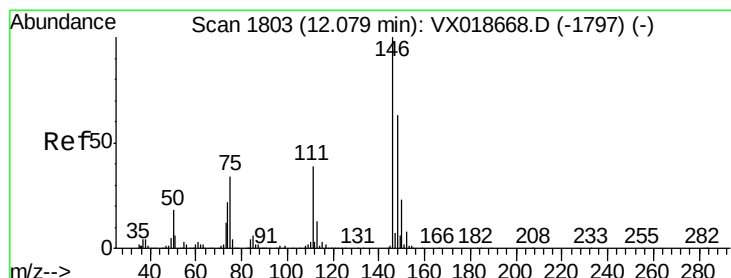
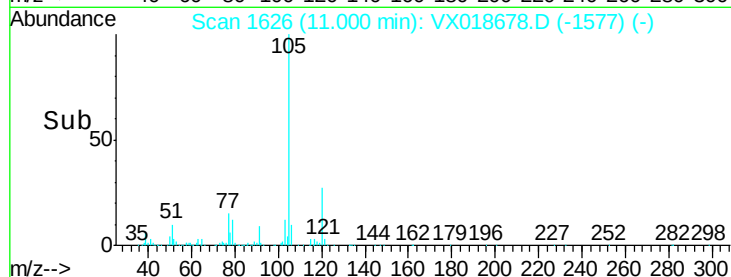
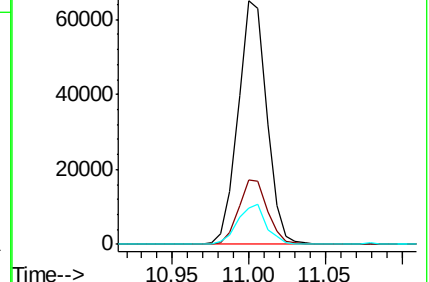
77 16.6 13.3 19.9



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: 0.212 ug/L

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX018678.D

Acq: 30 Sep 2020 00:19

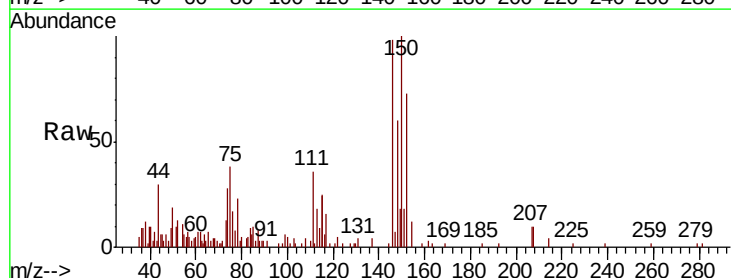
Tgt Ion:146 Resp: 4671

Ion Ratio Lower Upper

146 100

111 37.0 28.8 53.4

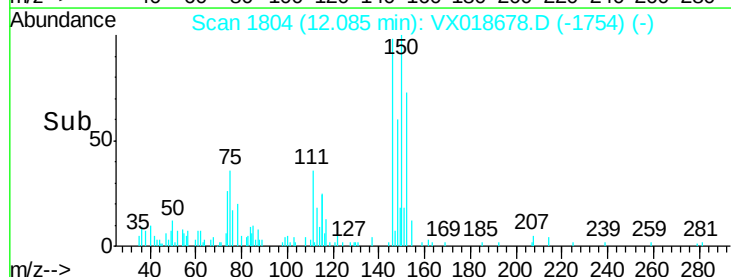
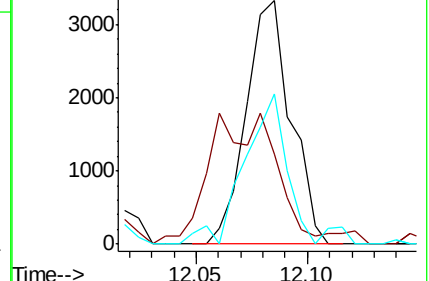
148 61.5 44.9 83.3

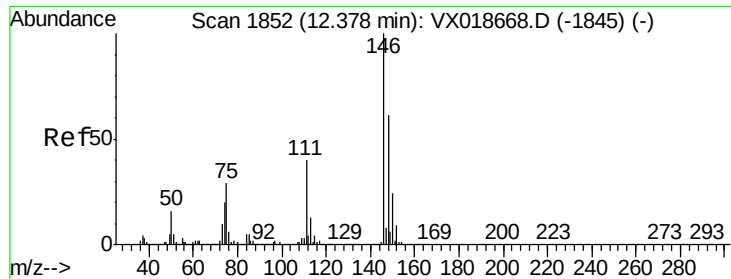


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dichlorobenzene

Concen: 0.339 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018678.D

Acq: 30 Sep 2020 00:19

Instrument :

MSVOA_X

ClientSampleId :

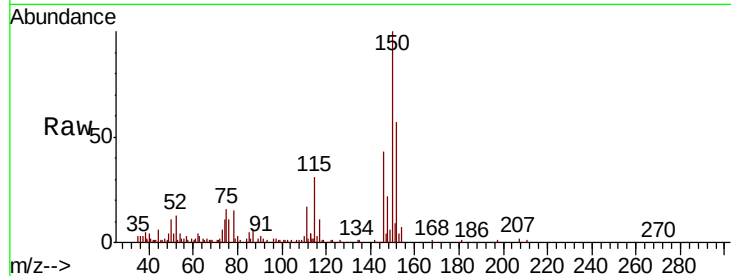
Tot Ion:146 Resp: 6880

Ion Ratio Lower Upper

146 100

111 38.4 33.6 50.4

148 51.3 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

