

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042919\
 Data File : VU031622.D
 Acq On : 30 Apr 2019 05:51
 Operator : JC/SP
 Sample : K2593-11 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X75

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:45:08 AM

Quant Time: Apr 30 08:06:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 04:50:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	651992	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	652881	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	241723	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	338646	62.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	124.12%
7) Chloroethane-d5	1.68	69	253956	60.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.44%
11) 1,1-Dichloroethene-d2	2.27	63	471674	43.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.82%
21) 2-Butanone-d5	4.19	46	605048	122.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.38%
24) Chloroform-d	4.64	84	538343	53.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.74%
26) 1,2-Dichloroethane-d4	5.31	65	373551	57.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.42%
32) Benzene-d6	5.34	84	1050313	52.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.78%
36) 1,2-Dichloropropane-d6	6.33	67	394207	55.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.78%
41) Toluene-d8	7.56	98	877225	50.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.48%
43) trans-1,3-Dichloropropene-	7.85	79	152941	50.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.02%
47) 2-Hexanone-d5	8.31	63	350220	114.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	474781	50.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.32%
64) 1,2-Dichlorobenzene-d4	11.85	152	262506	51.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	1042739	112.787	ug/L	98
16) Methylene chloride	2.70	84	69233	11.533	ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	12277	2.316	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	100861	17.739	ug/L	86
31) Carbon tetrachloride	5.13	117	9180	1.174	ug/L	100
34) Trichloroethene	6.17	95	32260797m	5544.424	ug/L	
40) 4-Methyl-2-pentanone	7.47	43	31795	3.033	ug/L	92
42) Toluene	7.63	91	230335	9.633	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	15971	2.843	ug/L	92
46) Tetrachloroethene	8.22	164	289167	72.898	ug/L	96
52) Ethylbenzene	9.25	91	10487	0.423	ug/L	98
53) m,p-Xylene	9.37	106	16076	1.860	ug/L	93
54) o-xylene	9.78	106	7994	0.933	ug/L	95

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

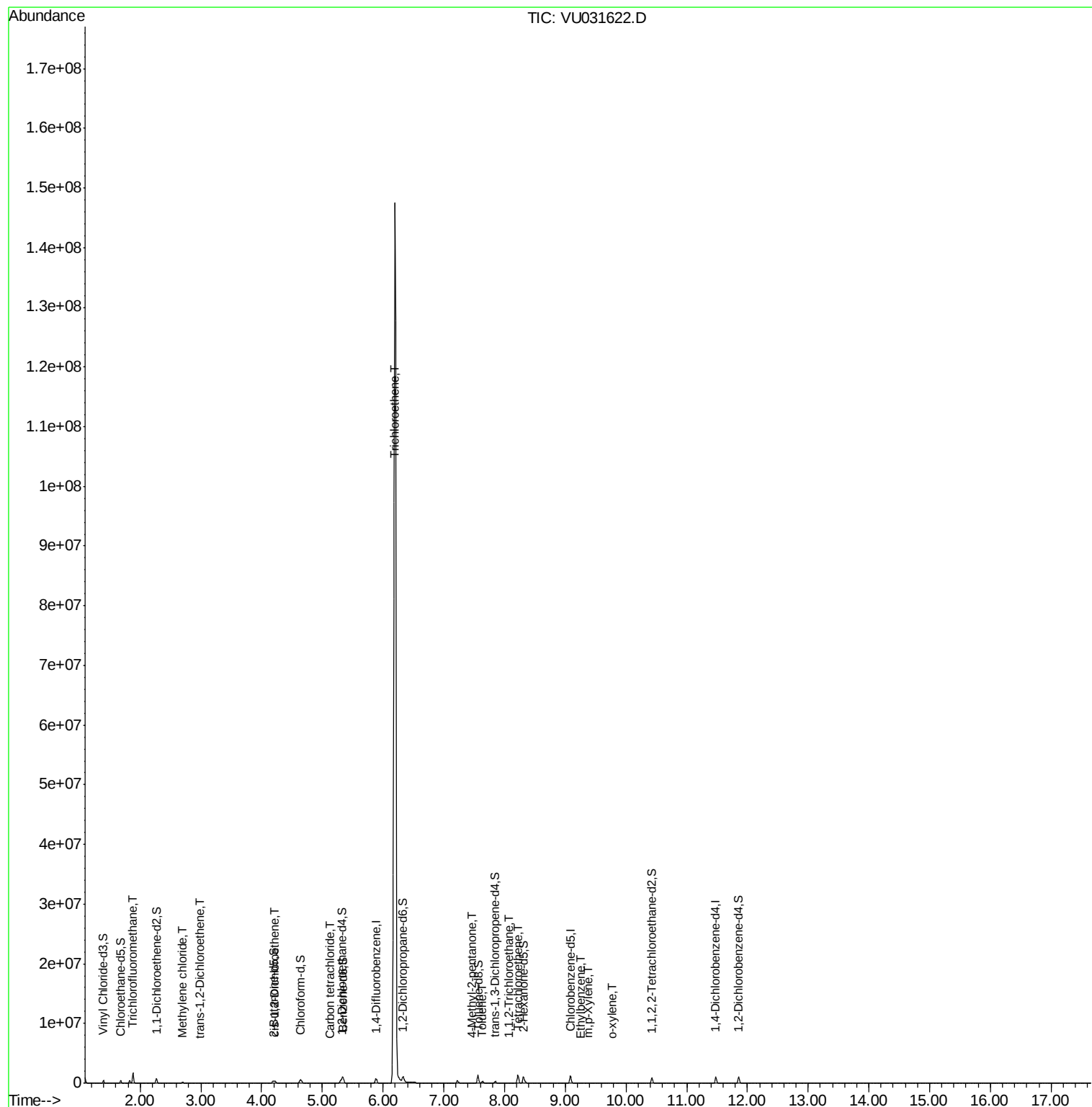
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042919\
Data File : VU031622.D
Acq On : 30 Apr 2019 05:51
Operator : JC/SP
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 55 Sample Multiplier: 1

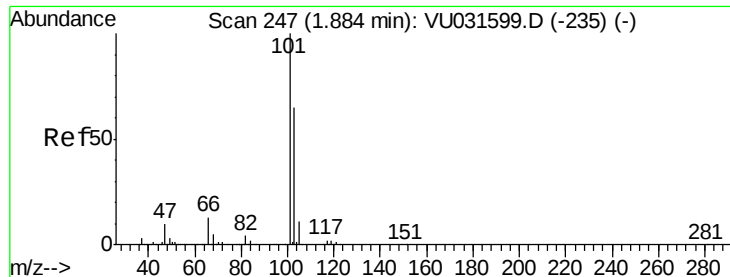
Instrument :
MSVOA_U
ClientSampleId :
C0X75

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Quant Time: Apr 30 08:06:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration





#9

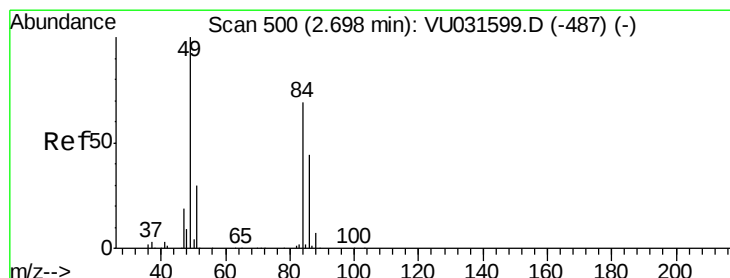
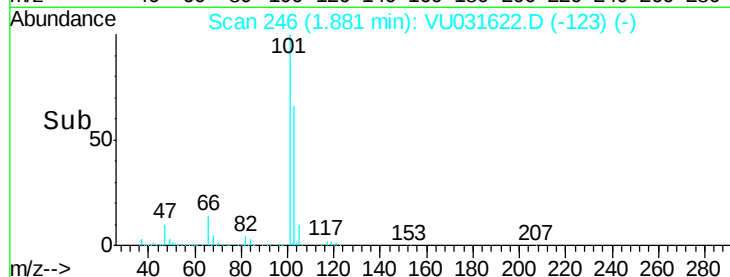
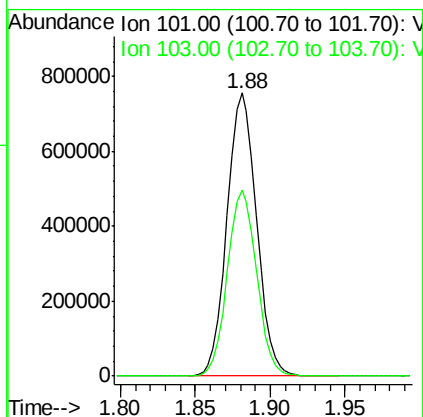
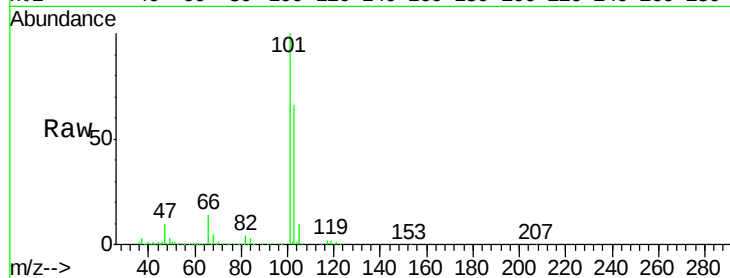
Trichlorofluoromethane
Concen: 112.787 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU031622.D
Acq: 30 Apr 2019 05:51

Instrument :
MSVOA_U
ClientSampleId :
C0X75

Tot Ion:101 Resp: 1042739
Ion Ratio Lower Upper
101 100
103 64.9 50.8 76.2

Manual Integrations
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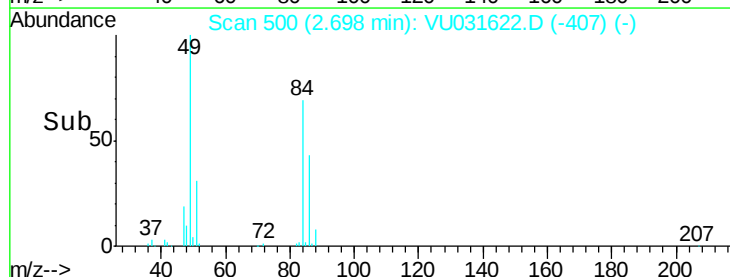
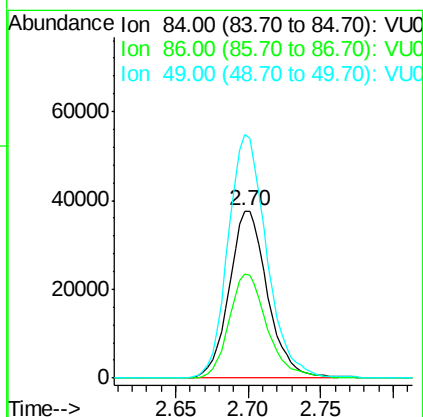
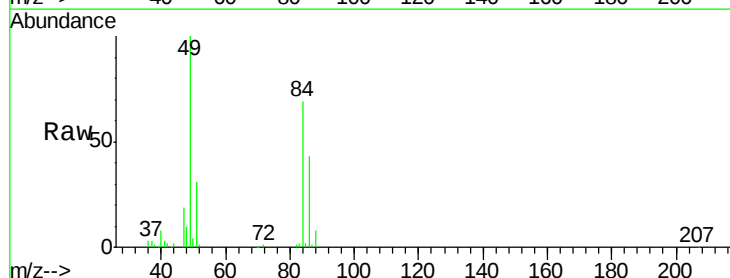
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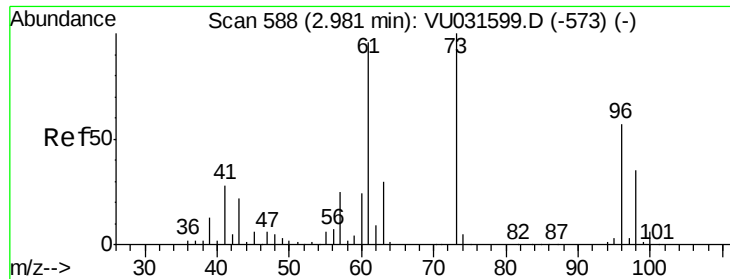


#16

Methylene chloride
Concen: 11.533 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU031622.D
Acq: 30 Apr 2019 05:51

Tgt Ion: 84 Resp: 69233
Ion Ratio Lower Upper
84 100
86 62.4 44.7 83.1
49 146.0 96.5 179.3





#17

trans-1,2-Dichloroethene

Concen: 2.316 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU031622.D

Acq: 30 Apr 2019 05:51

Instrument :

MSVOA_U

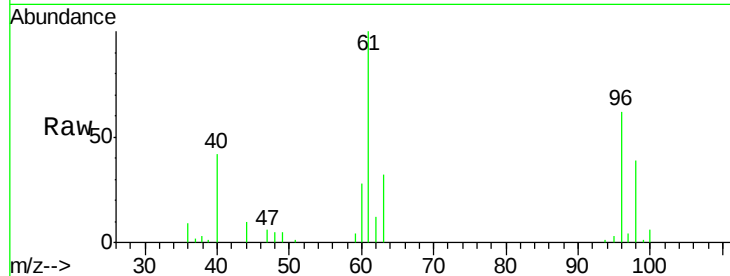
ClientSampled :

C0X75

Tot Ion:	96	Resp:	12277
Ion	Ratio	Lower	Upper
96	100		
61	162.6	114.5	212.7
98	63.6	45.4	84.2

Manual Integrations
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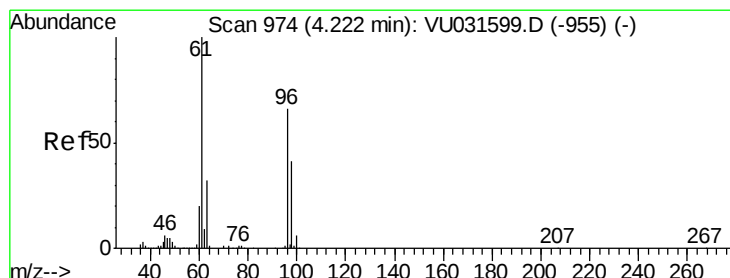
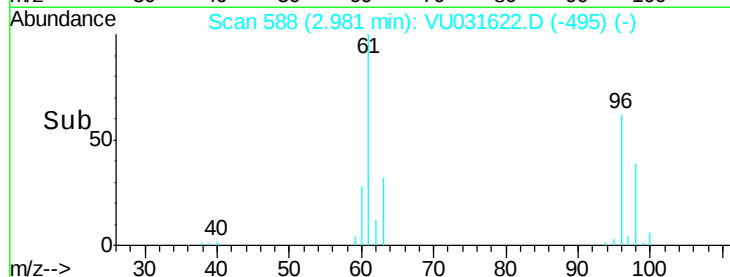
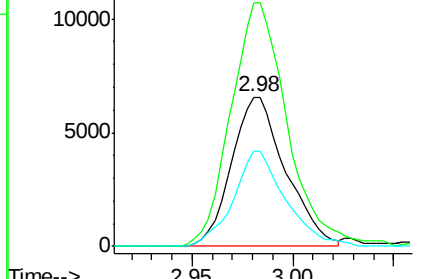
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Abundance Ion 96.00 (95.70 to 96.70): VU031599.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU031599.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU031599.D (-573) (-)



#20

cis-1,2-Dichloroethene

Concen: 17.739 ug/L

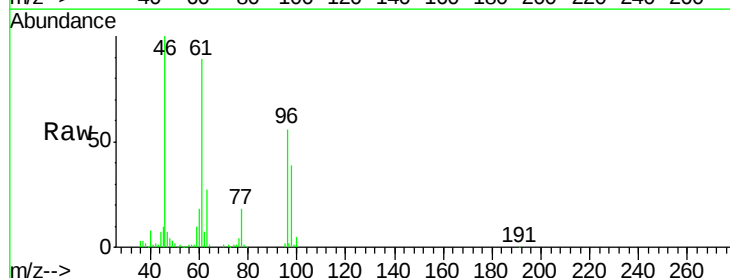
RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU031622.D

Acq: 30 Apr 2019 05:51

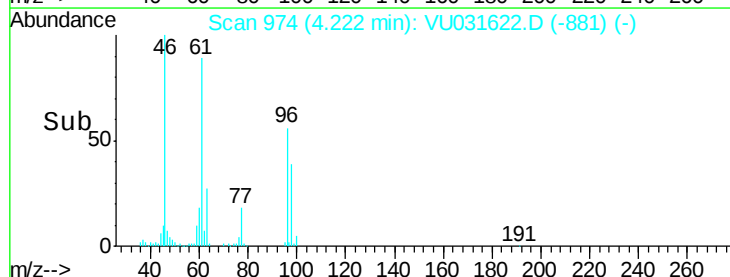
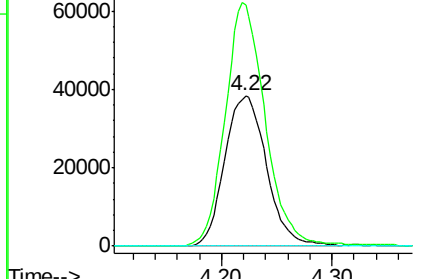
Tgt Ion:	96	Resp:	100861
Ion	Ratio	Lower	Upper
96	100		
61	159.7	99.5	184.7
68	0.0	0.0	0.0

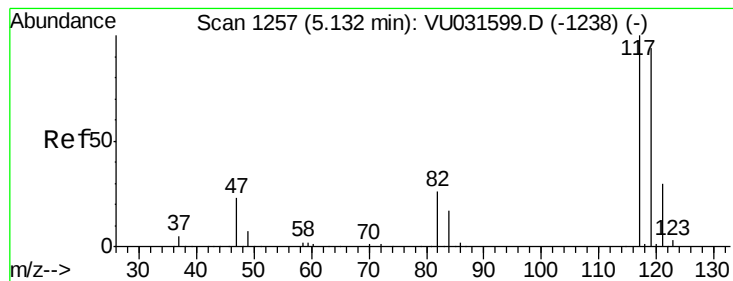


Abundance Ion 96.00 (95.70 to 96.70): VU031599.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU031599.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU031599.D (-955) (-)





#31

Carbon tetrachloride

Concen: 1.174 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VU031622.D

Acq: 30 Apr 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

C0X75

Tot Ion:117 Resp: 9180

Ion Ratio Lower Upper

117 100

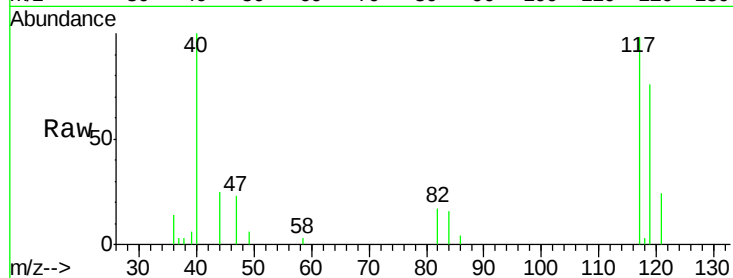
119 95.5 76.6 114.8

Manual Integrations

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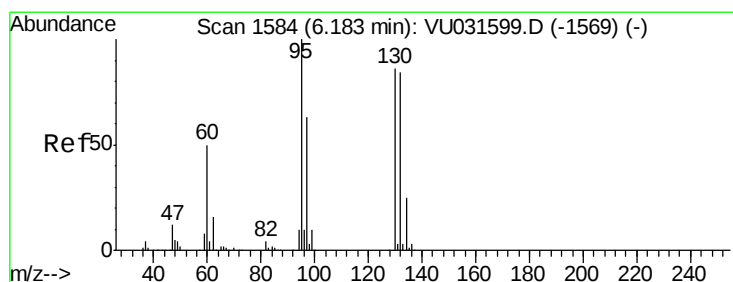
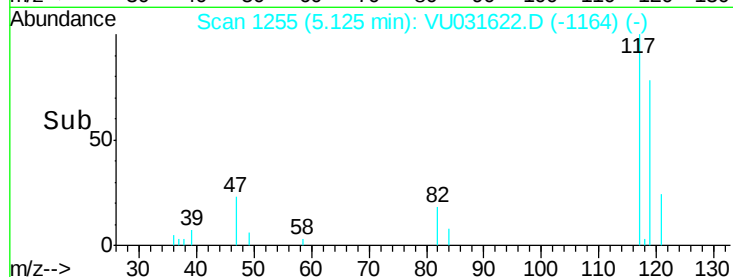
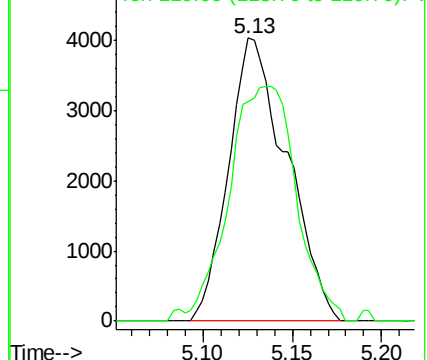
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 5544.424 ug/L m

RT: 6.17 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VU031622.D

Acq: 30 Apr 2019 05:51

Tgt Ion: 95 Resp:32260797

Ion Ratio Lower Upper

95 100

97 69.2 44.8 83.2

132 86.8 63.1 117.1

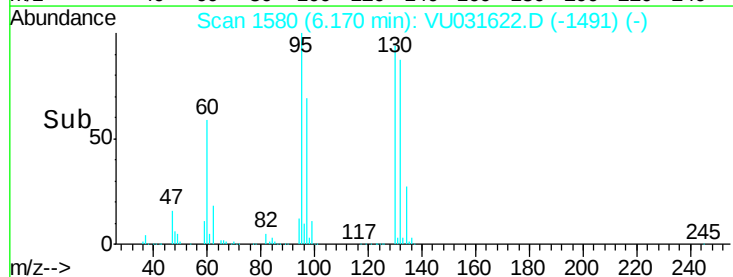
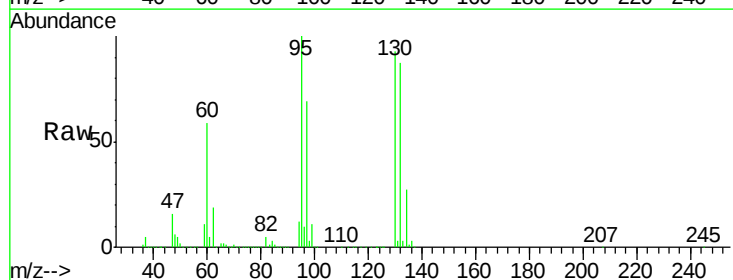
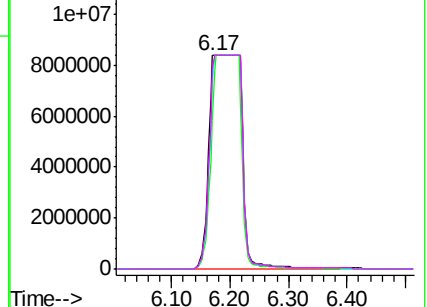
130 93.4 66.5 123.5

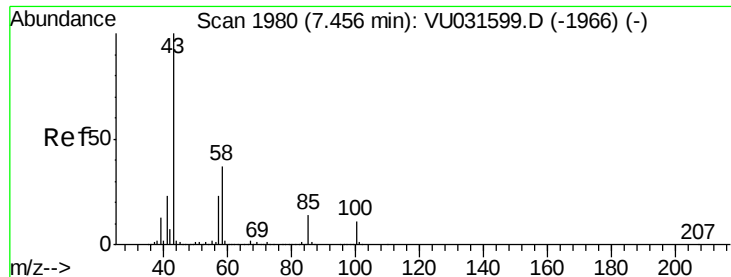
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





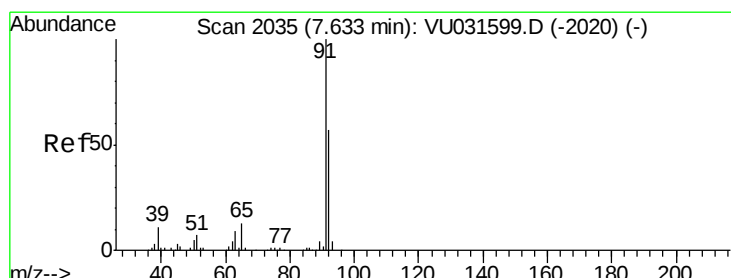
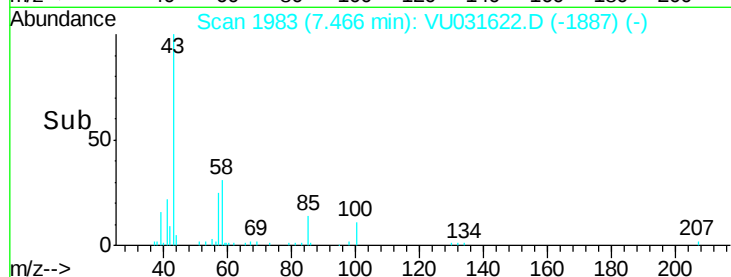
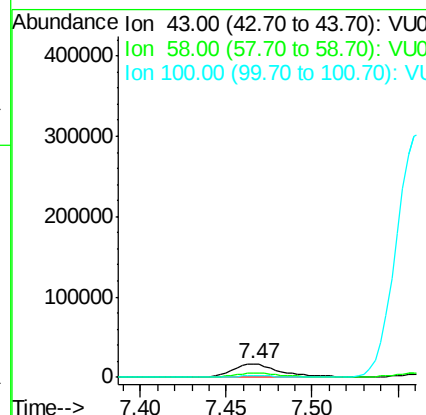
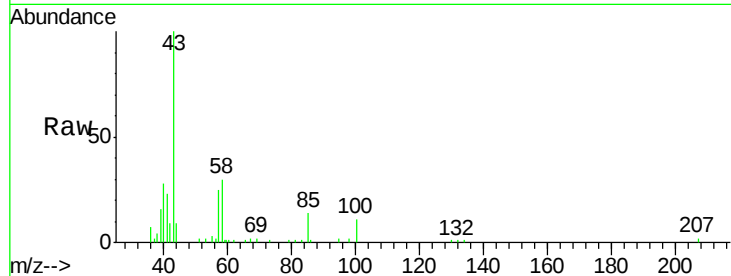
#40
4-Methyl-2-pentanone
Concen: 3.033 ug/L
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU031622.D
Acq: 30 Apr 2019 05:51

Instrument :
MSVOA_U
ClientSampleId :
C0X75

Tot Ion	Ratio	Resp	Lower	Upper
43	100	31795		
58	32.2		30.1	45.1
100	10.0		9.6	14.4

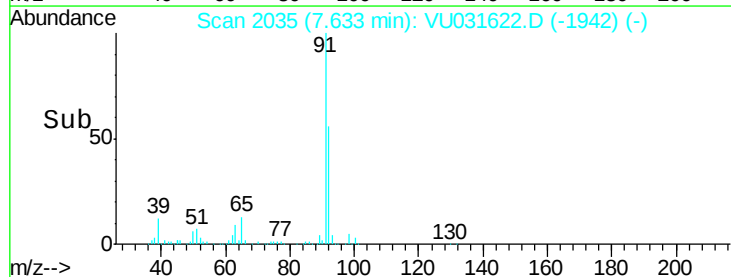
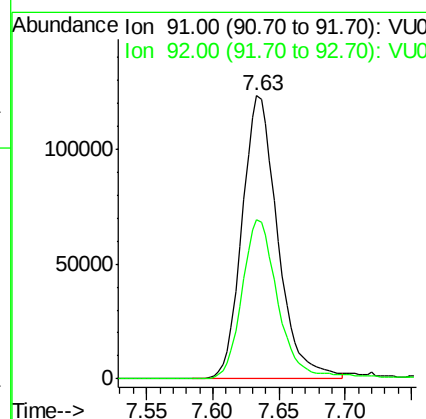
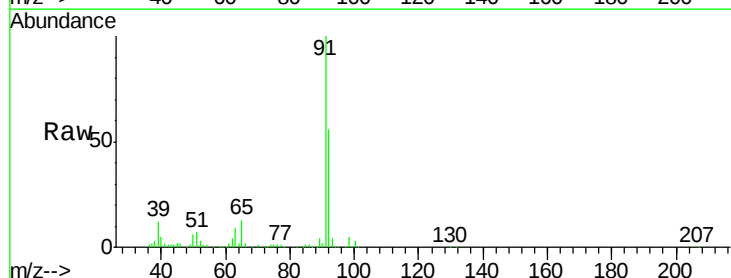
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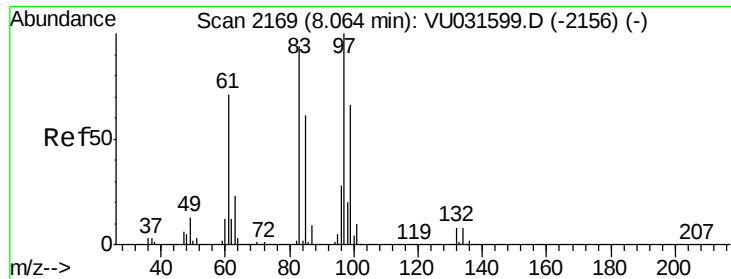
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#42
Toluene
Concen: 9.633 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU031622.D
Acq: 30 Apr 2019 05:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	230335		
92	56.3		39.0	72.4





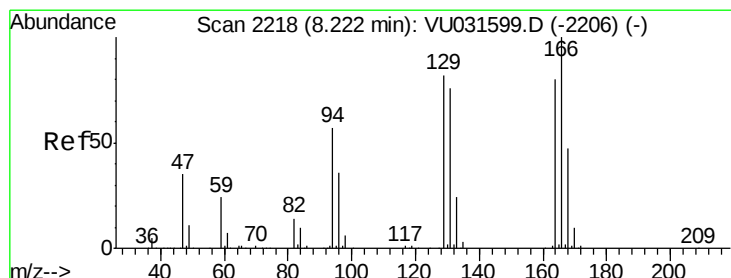
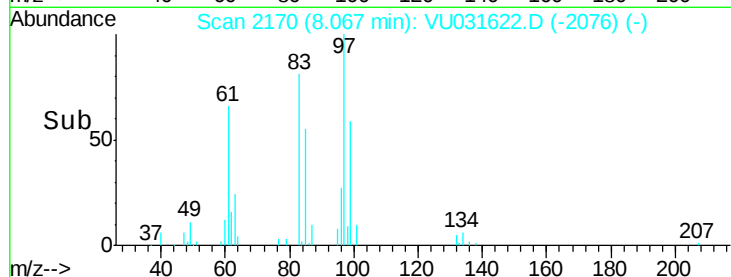
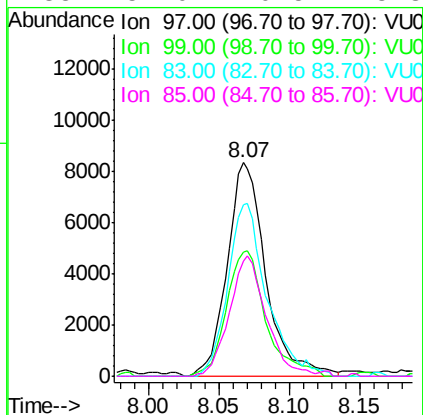
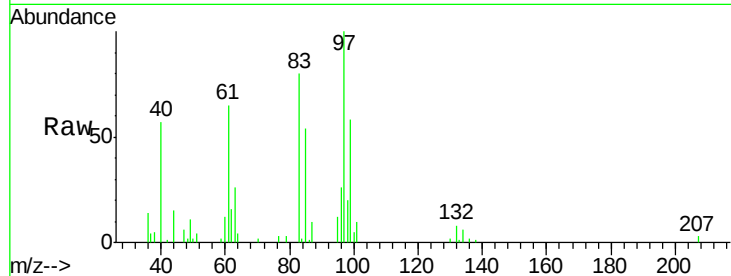
#45
 1,1,2-Trichloroethane
 Concen: 2.843 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X75

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		15971		
99	57.9	43.0	80.0		
83	80.1	63.6	118.2		
85	54.0	40.5	75.3		

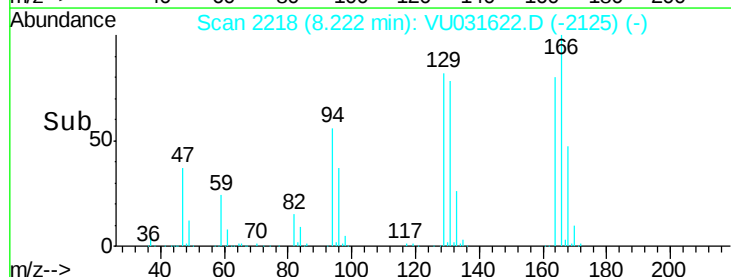
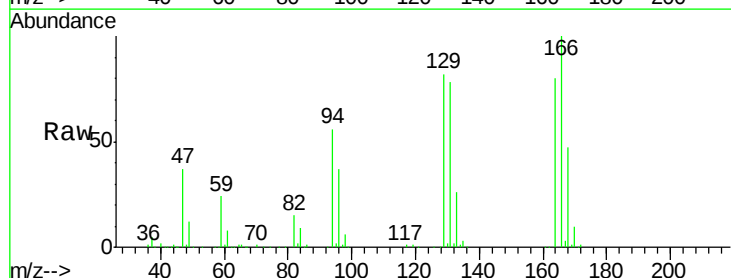
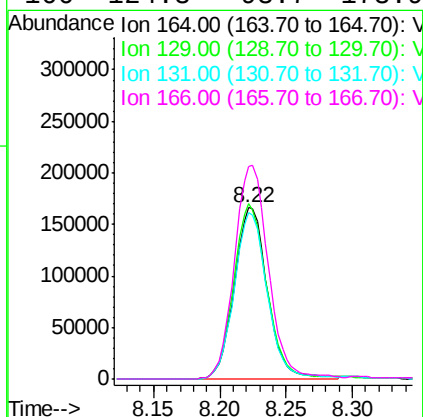
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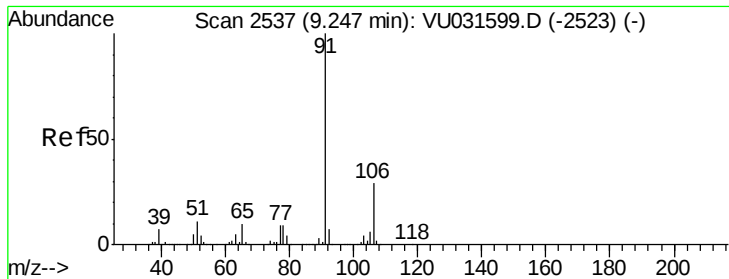
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 4/30/2019 11:45:08 AM



#46
 Tetrachloroethene
 Concen: 72.898 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		289167		
129	102.2	71.5	132.9		
131	96.9	69.0	128.2		
166	124.3	93.7	173.9		





#52

Ethylbenzene

Concen: 0.423 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031622.D

Acq: 30 Apr 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

C0X75

Tot Ion: 91 Resp: 10487

Ion Ratio Lower Upper

91 100

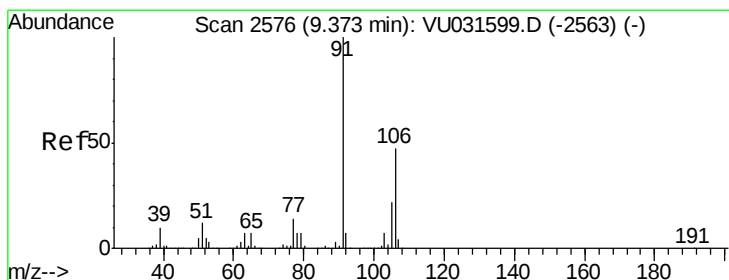
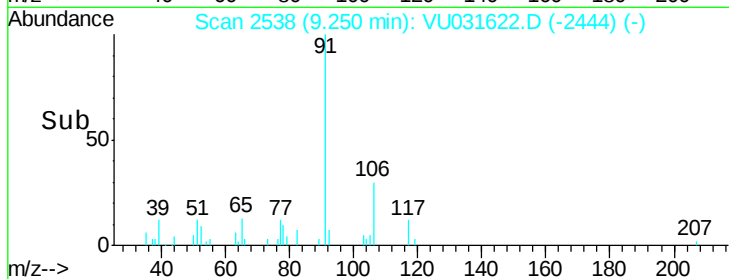
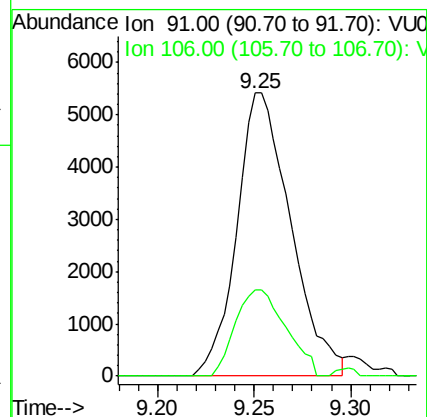
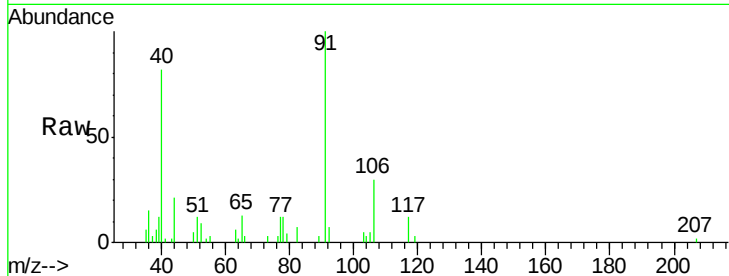
106 30.3 20.4 37.8

Manual Integrations

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4/30/2019 11:45:08 AM



#53

m,p-Xylene

Concen: 1.860 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031622.D

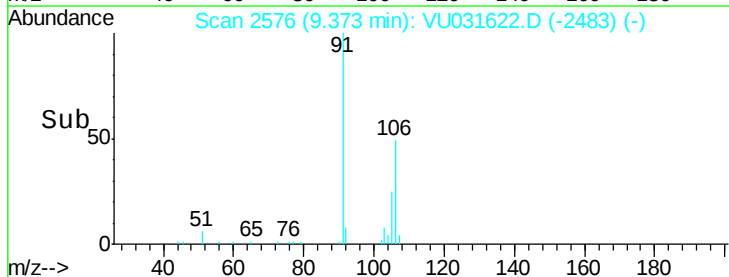
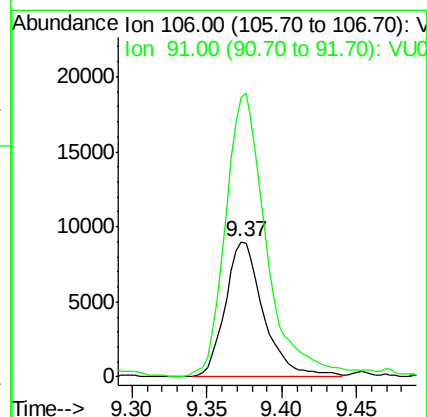
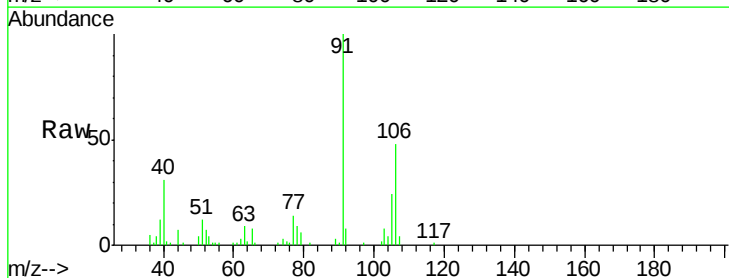
Acq: 30 Apr 2019 05:51

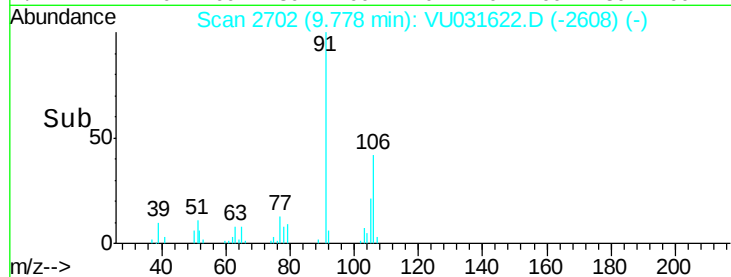
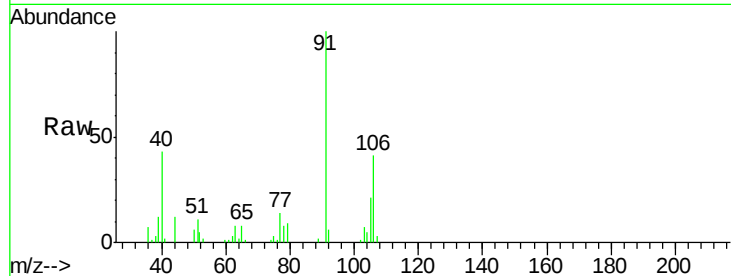
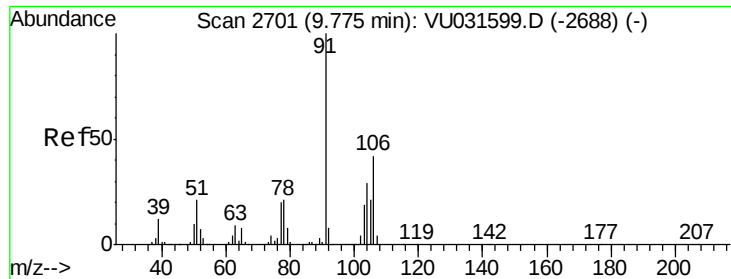
Tgt Ion: 106 Resp: 16076

Ion Ratio Lower Upper

106 100

91 206.9 152.2 282.6





#54
o-xylene
Concen: 0.933 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031622.D
Acq: 30 Apr 2019 05:51

Tot Ion	Ratio	Lower	Upper
106	100		
91	241.6	163.2	303.2

Instrument :
MSVOA_U
ClientSampleId :
C0X75

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:45:08 AM

