

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042919\
 Data File : VU031620.D
 Acq On : 30 Apr 2019 05:05
 Operator : JC/SP
 Sample : K2593-09 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X73

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:45:00 AM

Quant Time: Apr 30 05:56:02 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	655543	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	659407	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	244416	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	329821	60.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	120.24%
7) Chloroethane-d5	1.68	69	249114	58.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.52%
11) 1,1-Dichloroethene-d2	2.27	63	471903	43.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.38%
21) 2-Butanone-d5	4.19	46	575017	115.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.68%
24) Chloroform-d	4.64	84	516047	51.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.72%
26) 1,2-Dichloroethane-d4	5.31	65	356200	54.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.52%
32) Benzene-d6	5.34	84	1017856	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.54%
36) 1,2-Dichloropropane-d6	6.33	67	379895	53.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.66%
41) Toluene-d8	7.56	98	877179	49.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.48%
43) trans-1,3-Dichloropropene-	7.85	79	147139	48.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.24%
47) 2-Hexanone-d5	8.31	63	335024	108.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.65%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	463484	48.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	260387	50.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	1061665	114.212	ug/L	99
16) Methylene chloride	2.70	84	67387	11.164	ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	12621	2.368	ug/L	88
20) cis-1,2-Dichloroethene	4.22	96	101487	17.753	ug/L	90
31) Carbon tetrachloride	5.13	117	9504	1.204	ug/L	94
34) Trichloroethene	6.17	95	32507803m	5531.583	ug/L	
40) 4-Methyl-2-pentanone	7.47	43	31338	2.959	ug/L #	91
42) Toluene	7.63	91	240556	9.961	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	15517	2.735	ug/L	94
46) Tetrachloroethene	8.22	164	325505	81.246	ug/L	97
52) Ethylbenzene	9.25	91	12177	0.486	ug/L	88
53) m,p-Xylene	9.37	106	17697	2.028	ug/L	99
54) o-xylene	9.78	106	8694	1.005	ug/L	86

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

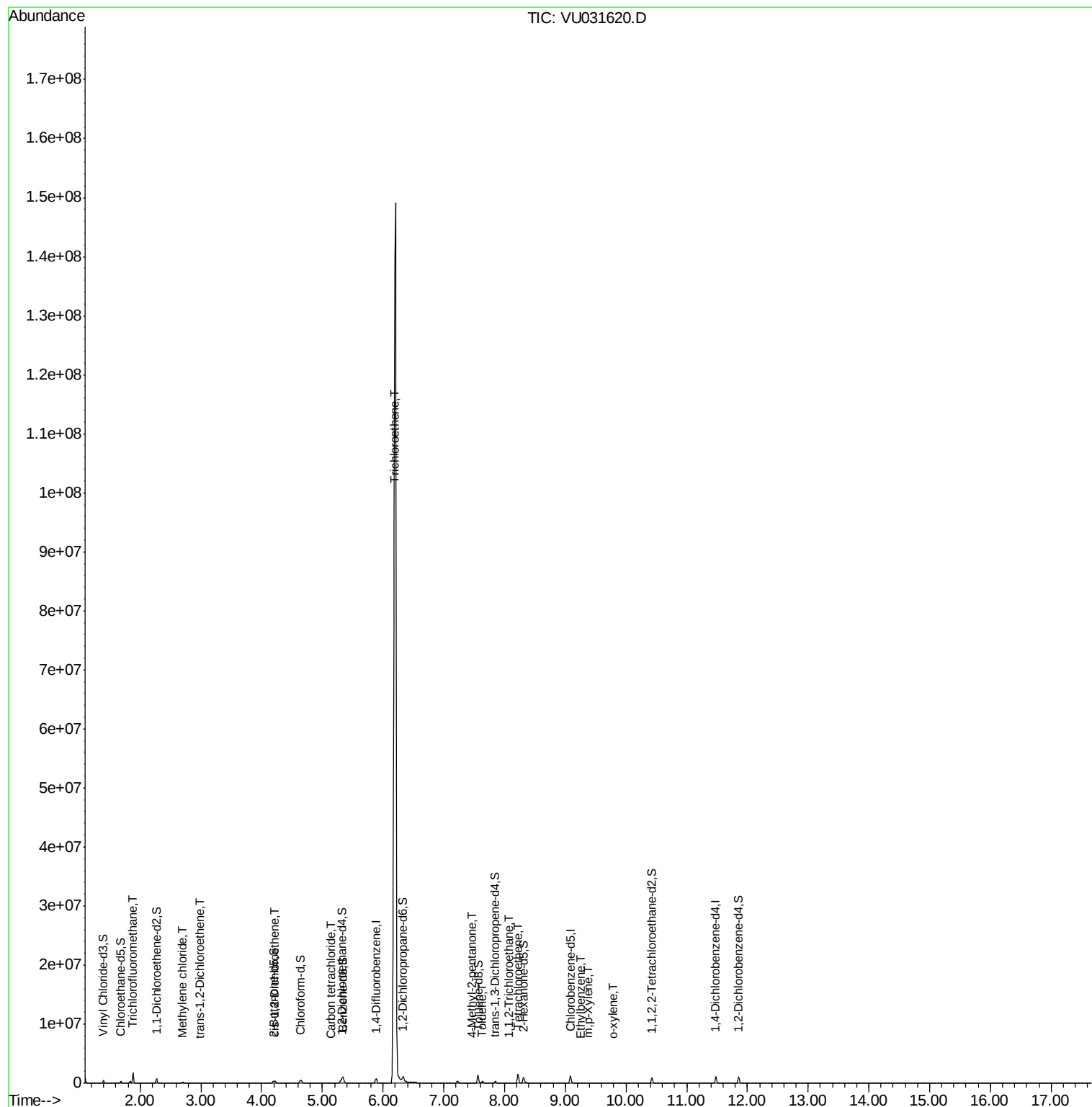
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042919\
Data File : VU031620.D
Acq On : 30 Apr 2019 05:05
Operator : JC/SP
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 53 Sample Multiplier: 1

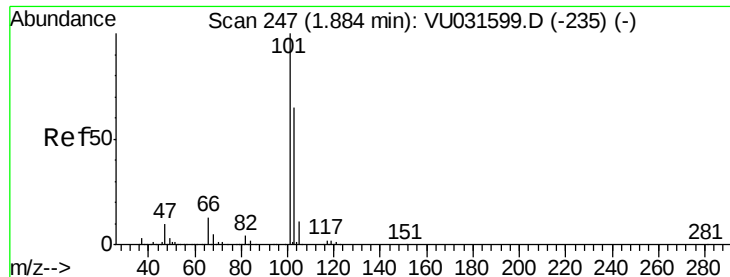
Instrument :
MSVOA_U
ClientSampleId :
C0X73

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Quant Time: Apr 30 05:56:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 04:50:11 2019
Response via : Initial Calibration





#9

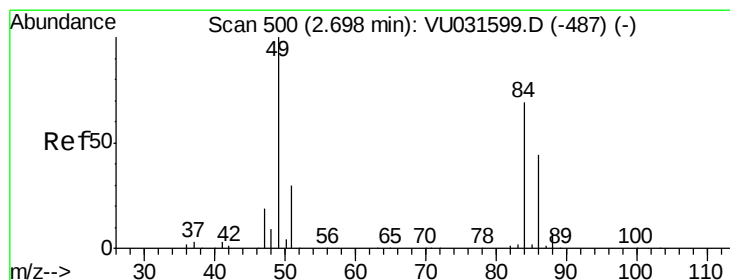
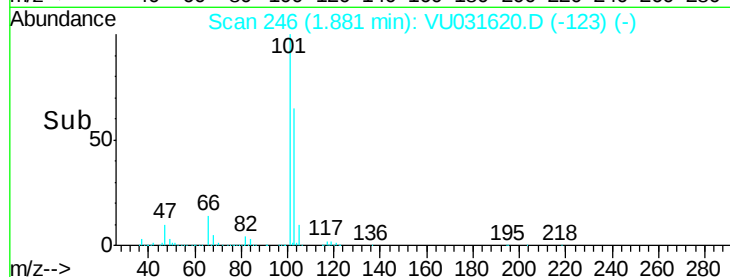
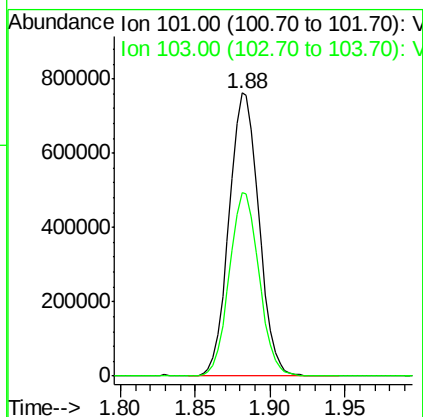
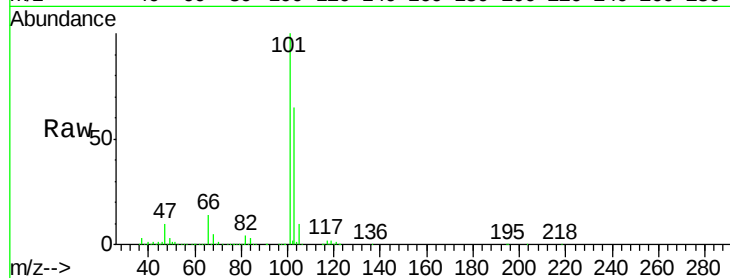
Trichlorofluoromethane
Concen: 114.212 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU031620.D
Acq: 30 Apr 2019 05:05

Instrument :
MSVOA_U
ClientSampled :
C0X73

Tot Ion:101 Resp: 1061665
Ion Ratio Lower Upper
101 100
103 64.4 50.8 76.2

Manual Integrations
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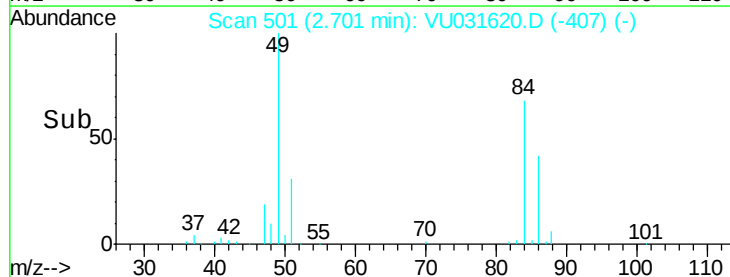
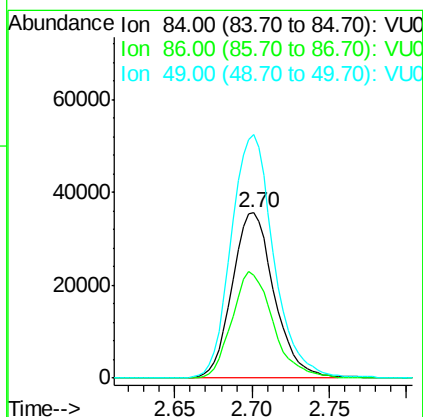
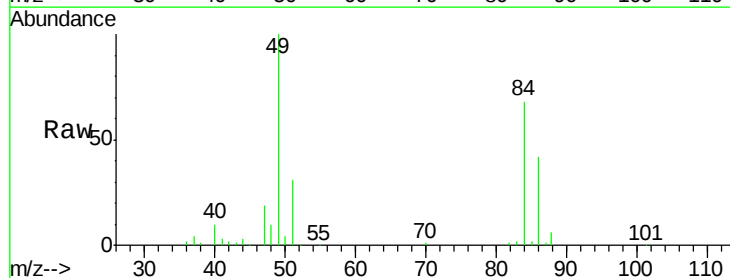
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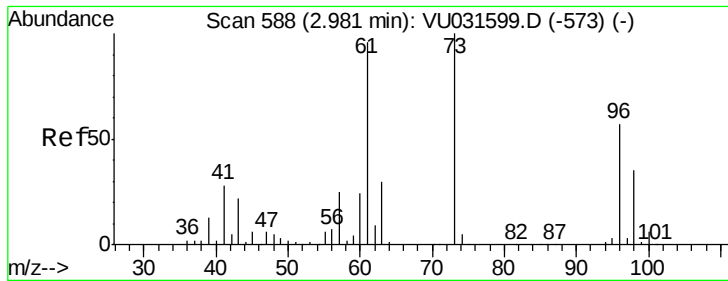


#16

Methylene chloride
Concen: 11.164 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU031620.D
Acq: 30 Apr 2019 05:05

Tgt Ion: 84 Resp: 67387
Ion Ratio Lower Upper
84 100
86 62.4 44.7 83.1
49 147.6 96.5 179.3





#17

trans-1,2-Dichloroethene

Concen: 2.368 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU031620.D

Acq: 30 Apr 2019 05:05

Instrument :

MSVOA_U

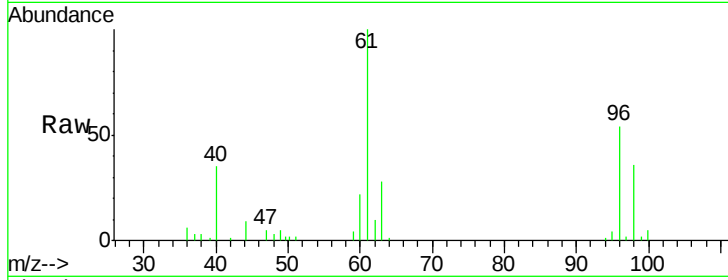
ClientSampled :

C0X73

Tot Ion:	96	Resp:	12621
Ion	Ratio	Lower	Upper
96	100		
61	185.0	114.5	212.7
98	66.4	45.4	84.2

Manual Integrations
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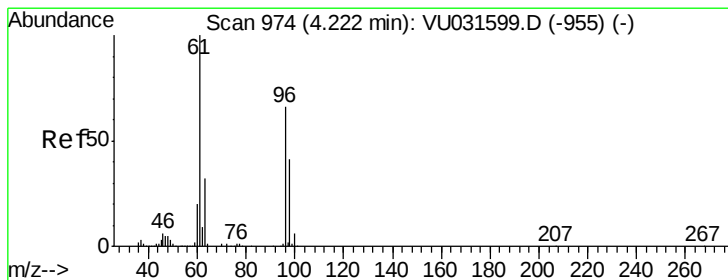
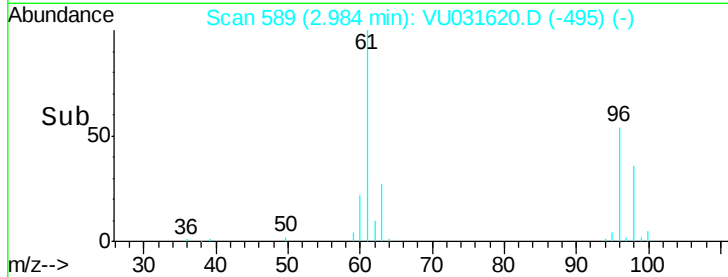
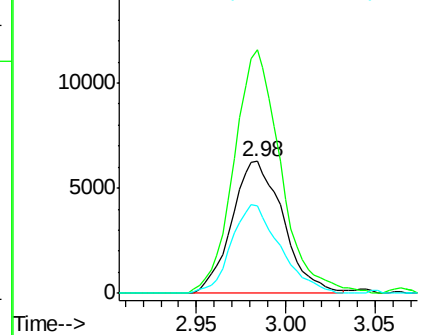


Abundance

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: 17.753 ug/L

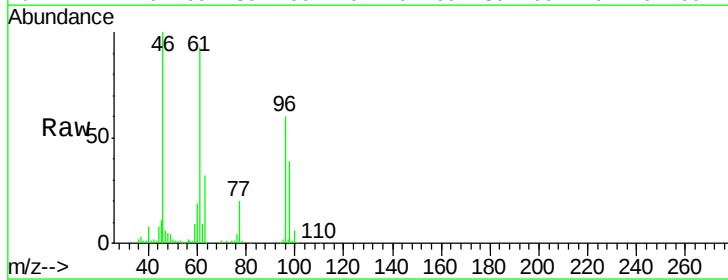
RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU031620.D

Acq: 30 Apr 2019 05:05

Tgt Ion:	96	Resp:	101487
Ion	Ratio	Lower	Upper
96	100		
61	153.8	99.5	184.7
68	0.0	0.0	0.0

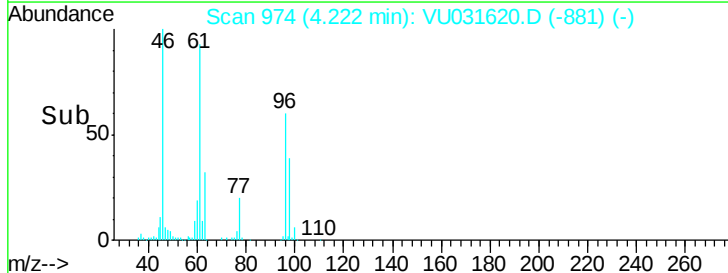
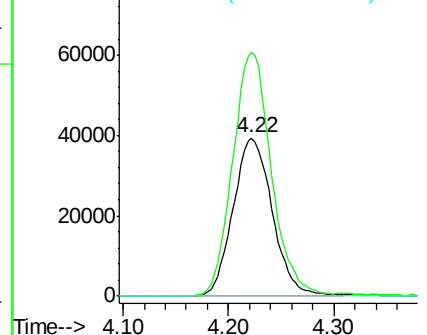


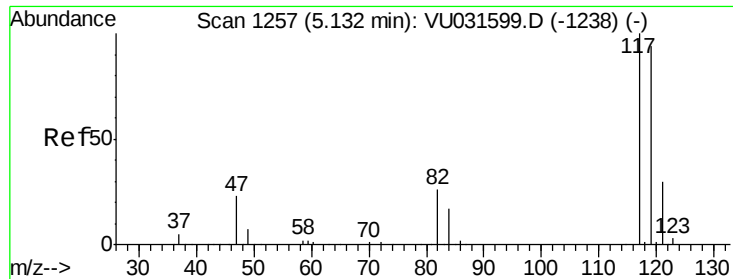
Abundance

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: 1.204 ug/L

RT: 5.13 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU031620.D

Acq: 30 Apr 2019 05:05

Instrument :

MSVOA_U

ClientSampleId :

C0X73

Tot Ion:117 Resp: 9504

Ion Ratio Lower Upper

117 100

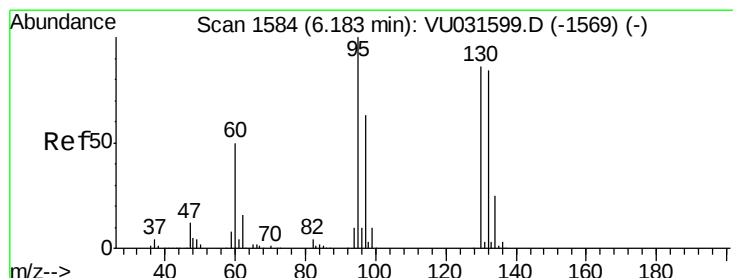
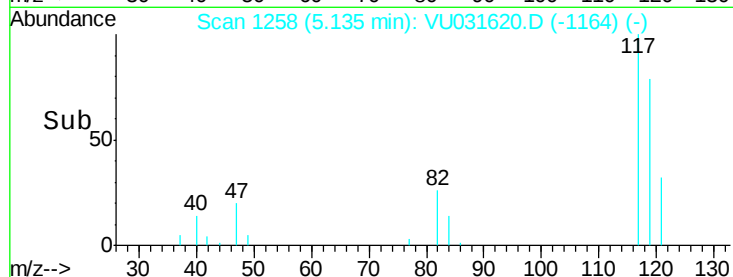
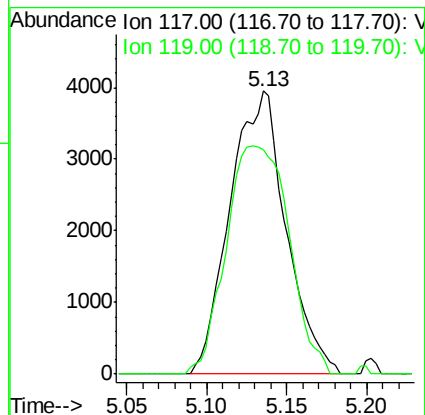
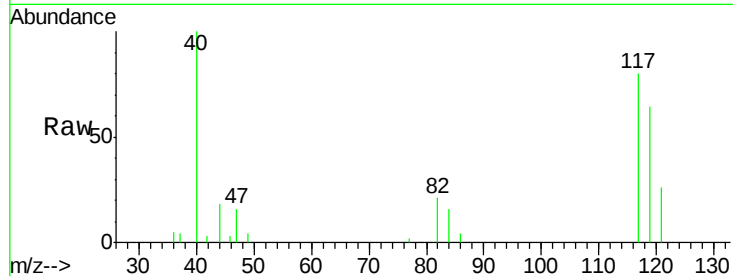
119 90.3 76.6 114.8

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#34

Trichloroethene

Concen: 5531.583 ug/L m

RT: 6.17 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VU031620.D

Acq: 30 Apr 2019 05:05

Tgt Ion: 95 Resp:32507803

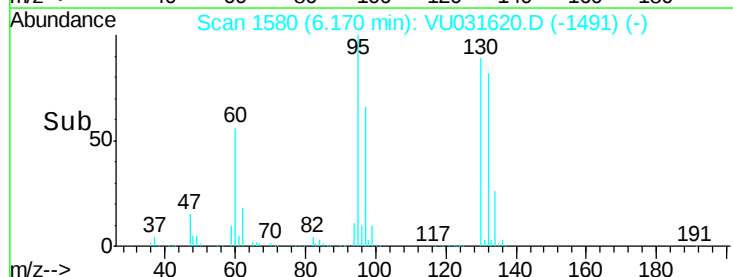
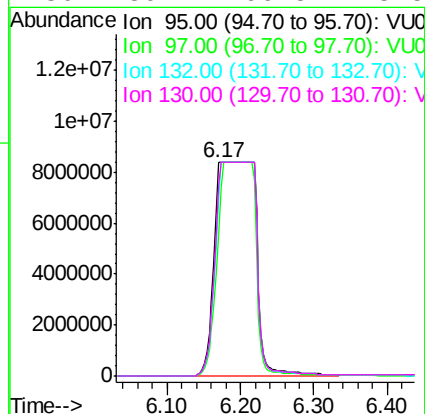
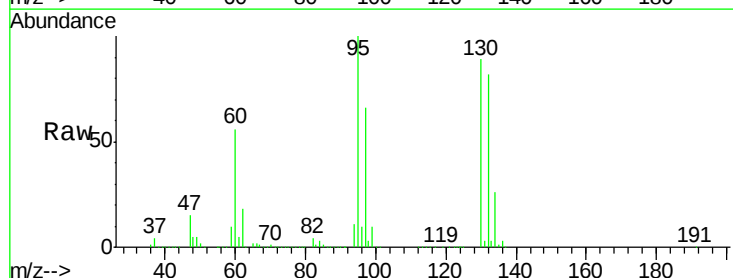
Ion Ratio Lower Upper

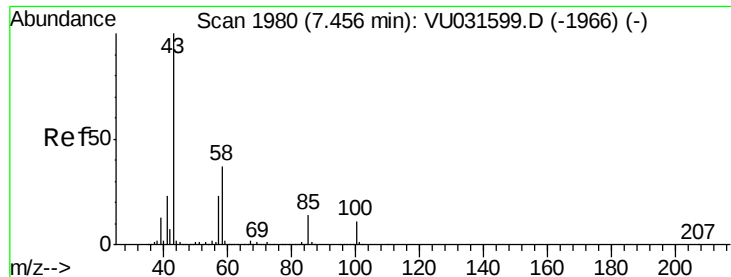
95 100

97 65.9 44.8 83.2

132 82.3 63.1 117.1

130 89.1 66.5 123.5





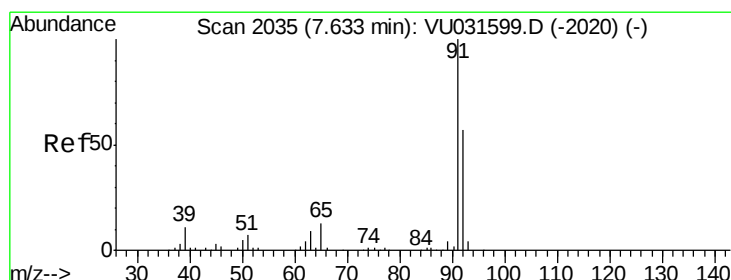
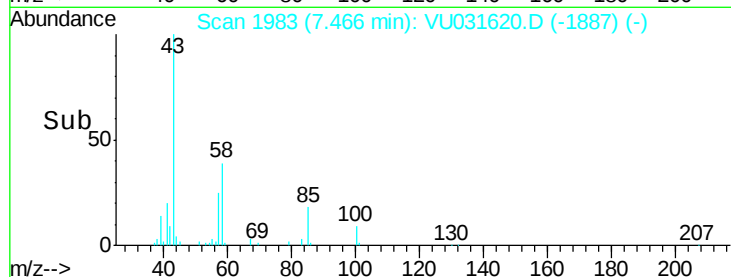
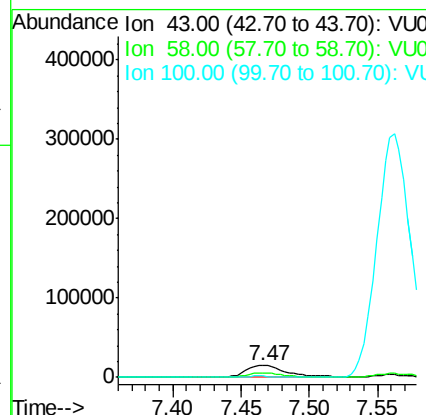
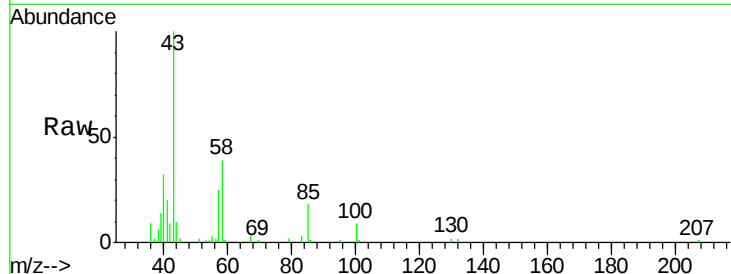
#40
4-Methyl-2-pentanone
Concen: 2.959 ug/L
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU031620.D
Acq: 30 Apr 2019 05:05

Instrument :
MSVOA_U
ClientSampleId :
C0X73

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.8	30.1	45.1
100	5.4	9.6	14.4

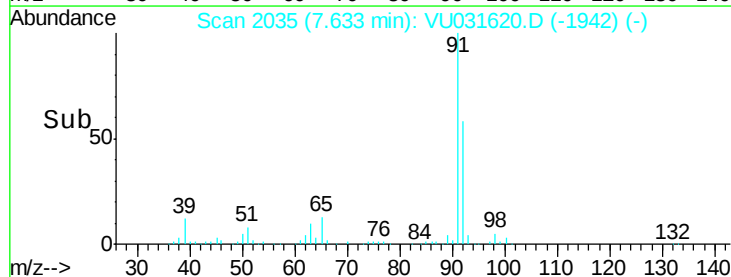
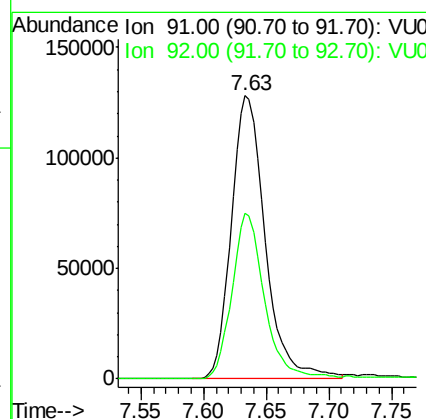
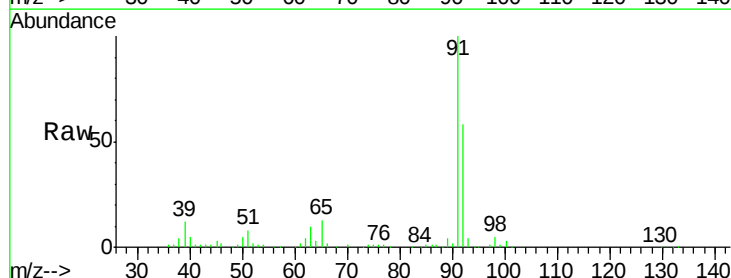
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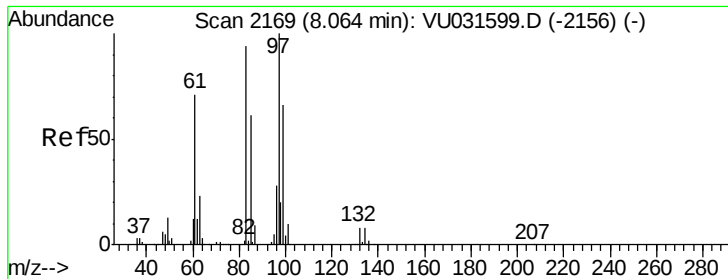
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4/30/2019 11:45:00 AM



#42
Toluene
Concen: 9.961 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU031620.D
Acq: 30 Apr 2019 05:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	39.0	72.4





#45

1,1,2-Trichloroethane

Concen: 2.735 ug/L

RT: 8.07 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VU031620.D

Acq: 30 Apr 2019 05:05

Instrument :

MSVOA_U

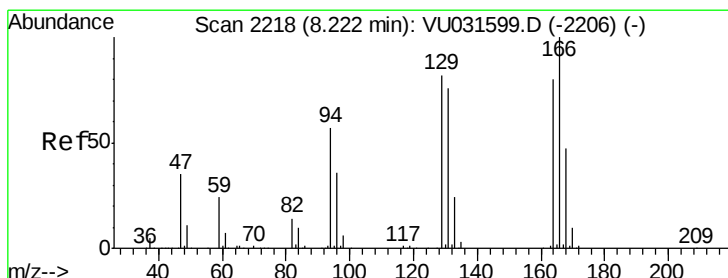
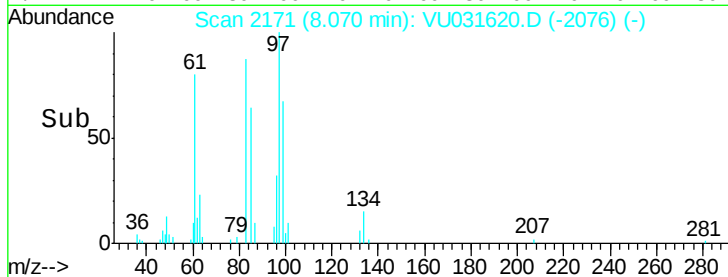
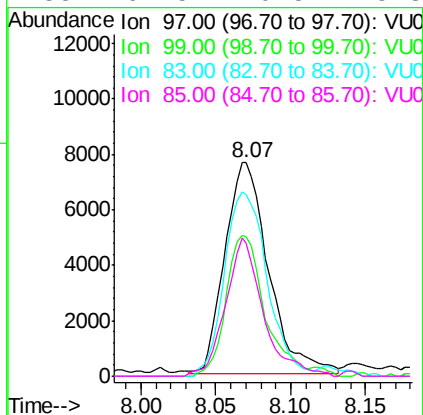
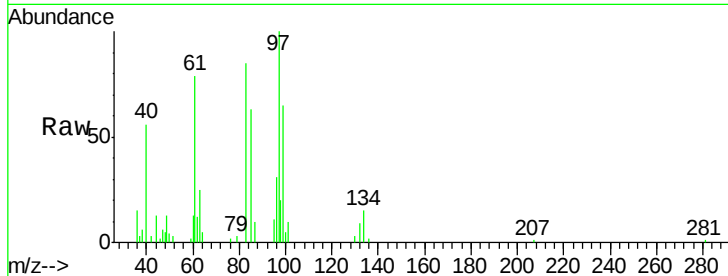
ClientSampleId :

C0X73

Tot Ion:	97	Resp:	15517
Ion	Ratio	Lower	Upper
97	100		
99	65.5	43.0	80.0
83	85.3	63.6	118.2
85	62.5	40.5	75.3

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4/30/2019 11:45:00 AM



#46

Tetrachloroethene

Concen: 81.246 ug/L

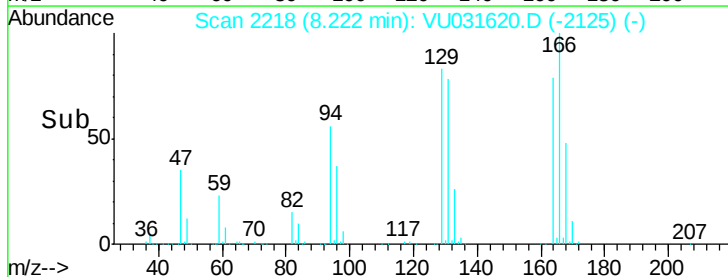
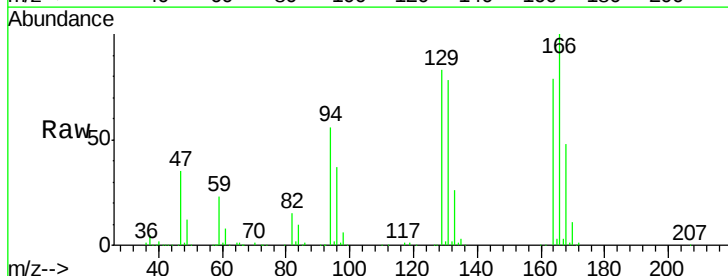
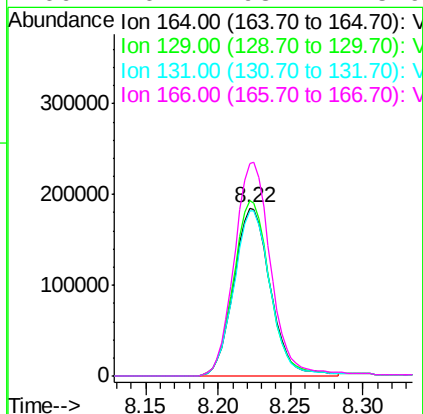
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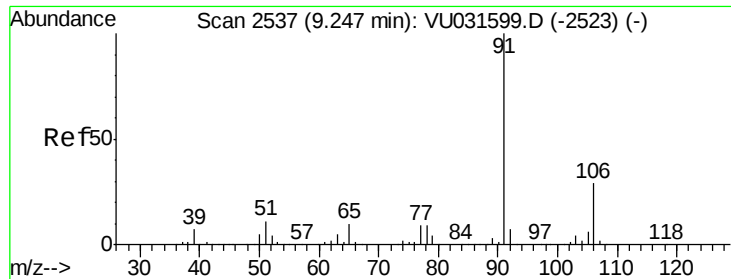
Delta R.T. -0.00 min

Lab File: VU031620.D

Acq: 30 Apr 2019 05:05

Tgt Ion:	164	Resp:	325505
Ion	Ratio	Lower	Upper
164	100		
129	104.9	71.5	132.9
131	98.4	69.0	128.2
166	126.7	93.7	173.9





#52

Ethylbenzene

Concen: 0.486 ug/L

RT: 9.25 min Scan# 2539

Delta R.T. 0.01 min

Lab File: VU031620.D

Acq: 30 Apr 2019 05:05

Tot Ion: 91 Resp: 12177

Ion Ratio Lower Upper

91 100

106 35.5 20.4 37.8

Instrument :

MSVOA_U

ClientSampled :

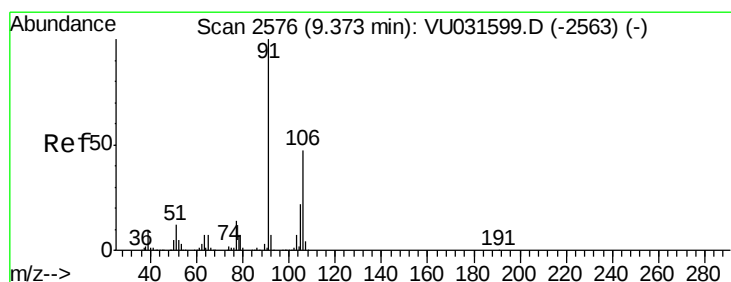
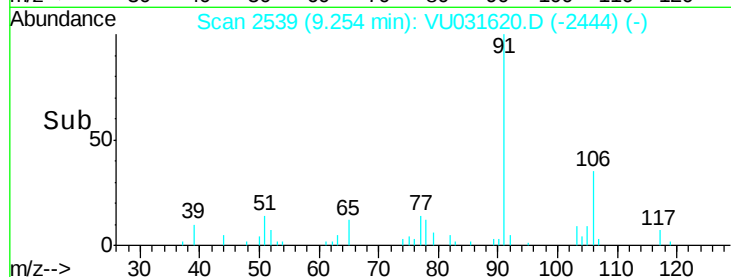
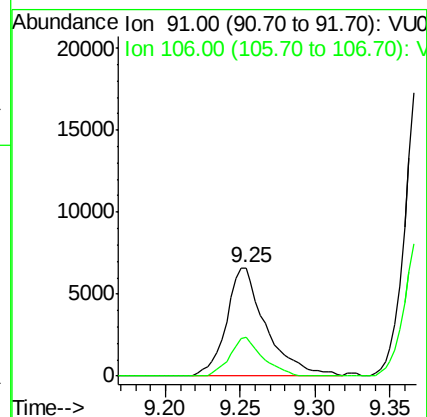
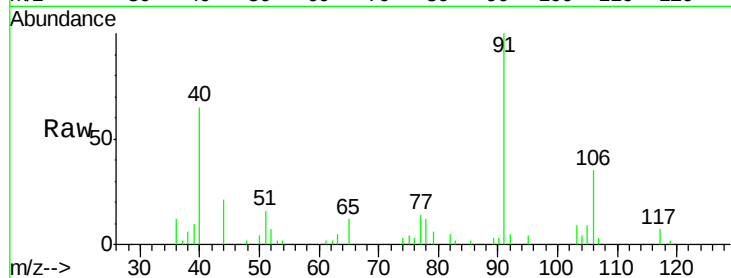
C0X73

Manual Integrations

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4/30/2019 11:45:00 AM



#53

m,p-Xylene

Concen: 2.028 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031620.D

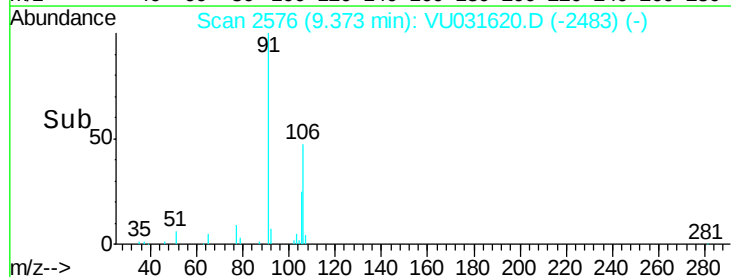
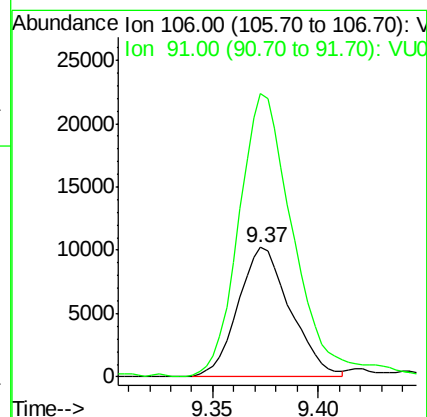
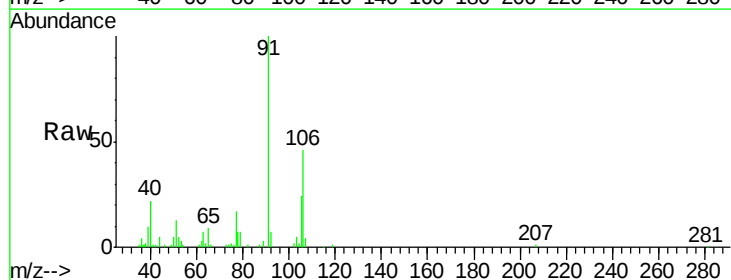
Acq: 30 Apr 2019 05:05

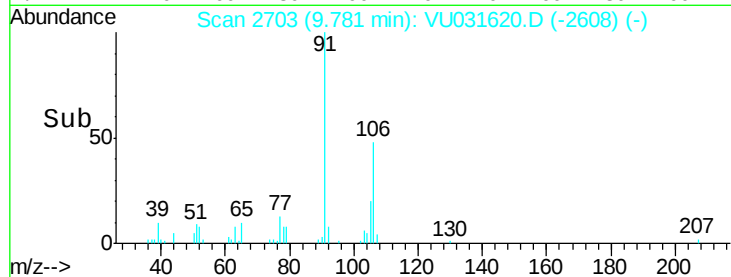
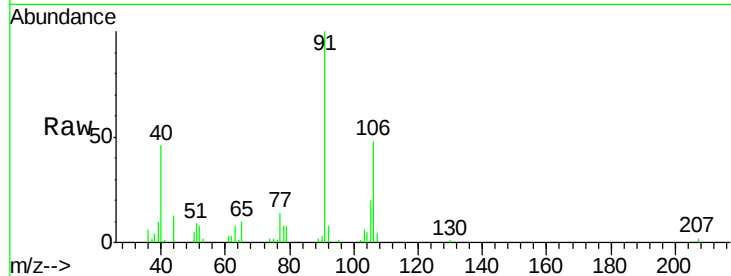
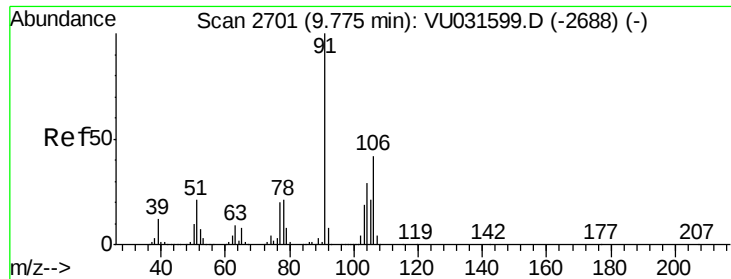
Tgt Ion: 106 Resp: 17697

Ion Ratio Lower Upper

106 100

91 218.4 152.2 282.6





#54
o-xylene
Concen: 1.005 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU031620.D
Acq: 30 Apr 2019 05:05

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.9	163.2	303.2

Instrument :
MSVOA_U
ClientSampleId :
C0X73

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:45:00 AM

