

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
 Data File : VU031146.D
 Acq On : 12 Apr 2019 22:03
 Operator : JC/SP
 Sample : K2339-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC36

Manual Integrations
 APPROVED

MMDadoda
 4/15/2019 12:49:03 PM

Quant Time: Apr 13 04:57:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 13 01:01:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	503829	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	512914	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	209215	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	207999	46.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.50%
7) Chloroethane-d5	1.68	69	170550	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.92%
11) 1,1-Dichloroethene-d2	2.27	63	436042	53.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.20%
21) 2-Butanone-d5	4.17	46	328462	92.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.15%
24) Chloroform-d	4.64	84	319752	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
26) 1,2-Dichloroethane-d4	5.31	65	223170	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.20%
32) Benzene-d6	5.33	84	665482	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.88%
36) 1,2-Dichloropropane-d6	6.32	67	239827	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.48%
41) Toluene-d8	7.56	98	613135	46.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.85	79	102563	43.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.66%
47) 2-Hexanone-d5	8.31	63	208218	88.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	324285	46.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	207103	50.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.66%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	6185	1.116	ug/L #	1
12) 1,1-Dichloroethene	2.28	96	277019	79.541	ug/L	92
13) Acetone	2.32	43	74787	20.503	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	2203	0.596	ug/L	86
19) 1,1-Dichloroethane	3.44	63	297859	39.031	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	173771	42.559	ug/L	94
22) 2-Butanone	4.27	43	37888m	8.859	ug/L	
30) 1,1,1-Trichloroethane	4.91	97	55530	8.884	ug/L	98
33) Benzene	5.38	78	7345	0.438	ug/L	100
34) Trichloroethene	6.18	95	5679927	1379.710	ug/L	96
42) Toluene	7.64	91	9654	0.563	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	1581	0.392	ug/L #	59
53) m,p-Xylene	9.38	106	4619m	0.709	ug/L	

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

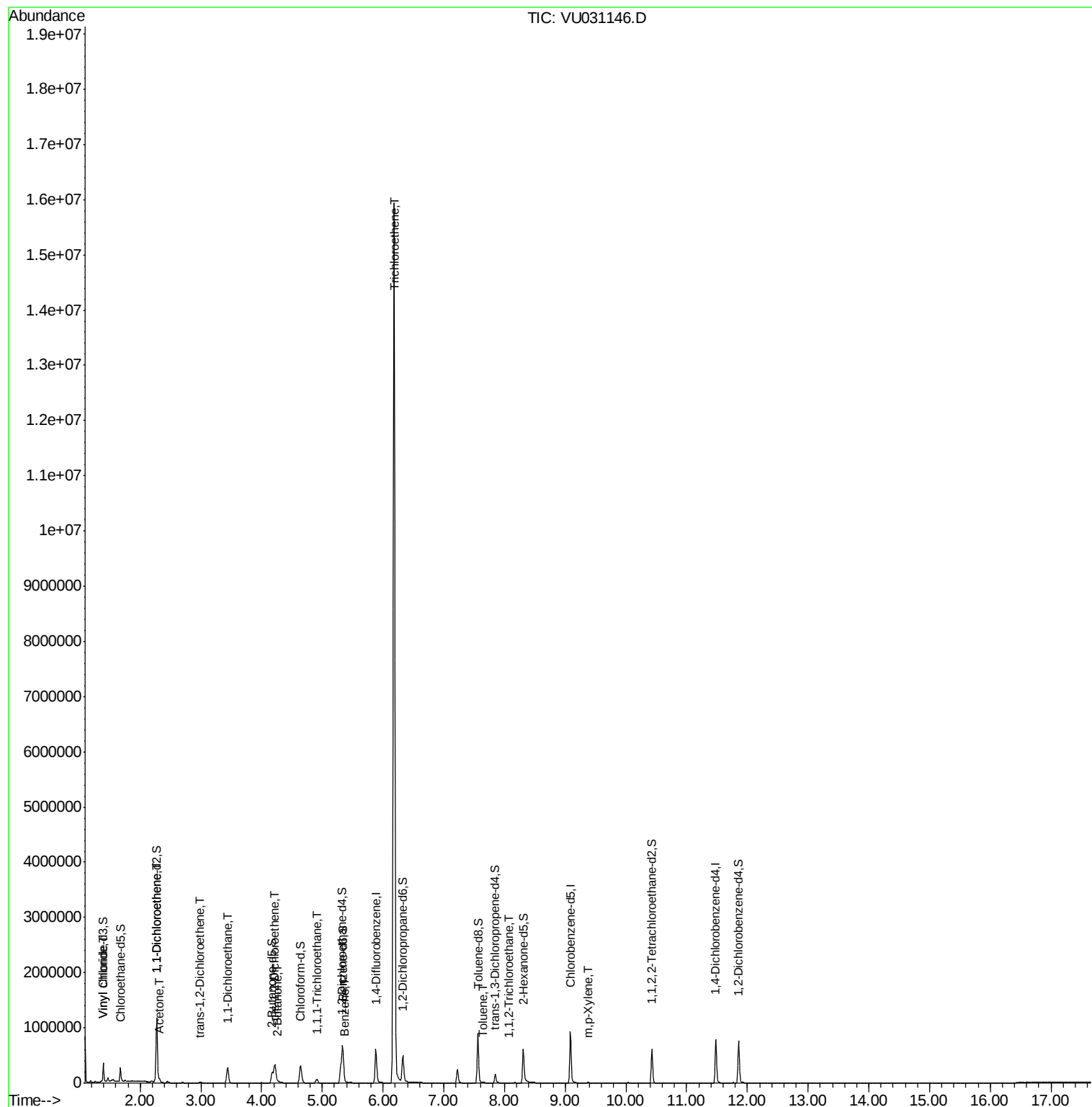
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
Data File : VU031146.D
Acq On : 12 Apr 2019 22:03
Operator : JC/SP
Sample : K2339-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

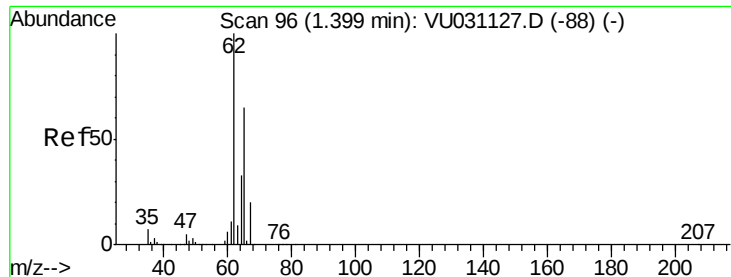
Instrument :
MSVOA_U
ClientSampleId :
BFC36

Manual Integrations
APPROVED

MMDadoda
4/15/2019 12:49:03 PM

Quant Time: Apr 13 04:57:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 01:01:33 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.116 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

Instrument :

MSVOA_U

ClientSampled :

BFC36

Tot Ion: 62 Resp: 6185

Ion Ratio Lower Upper

62 100

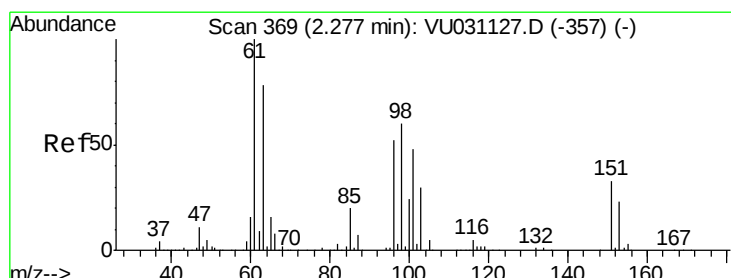
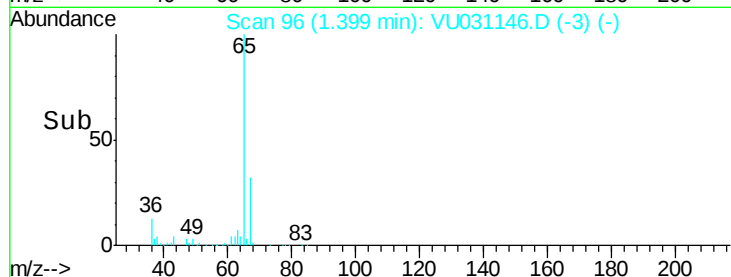
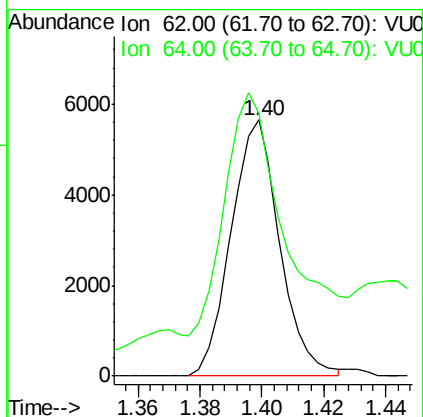
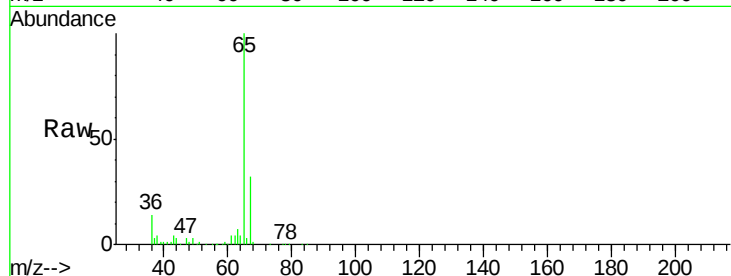
64 102.6 21.5 39.9#

Manual Integrations

APPROVED

MMDadoda

4/15/2019 12:49:03 PM



#12

1,1-Dichloroethene

Concen: 79.541 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

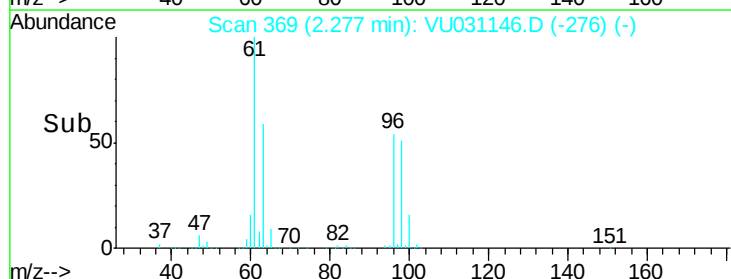
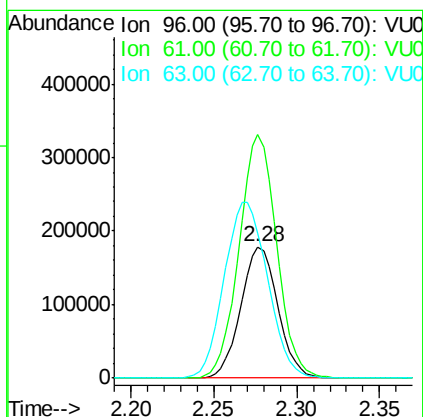
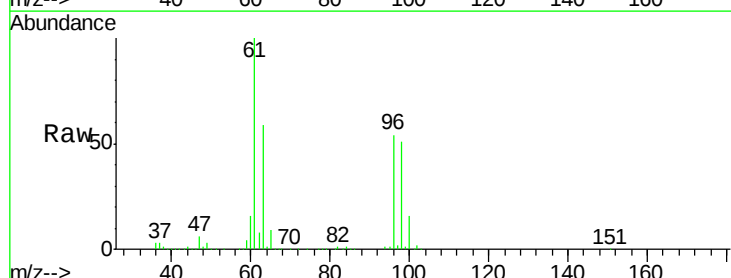
Tgt Ion: 96 Resp: 277019

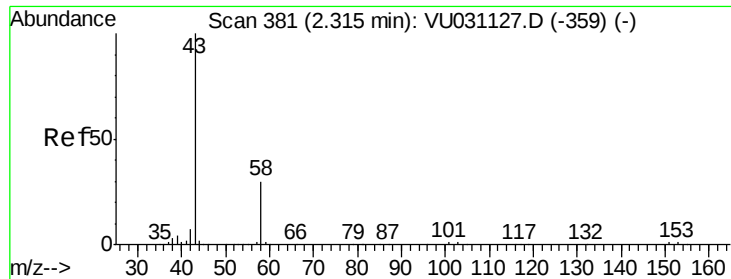
Ion Ratio Lower Upper

96 100

61 185.7 132.0 245.2

63 110.3 90.9 168.9





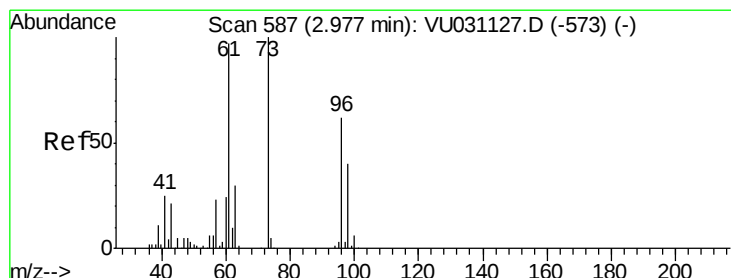
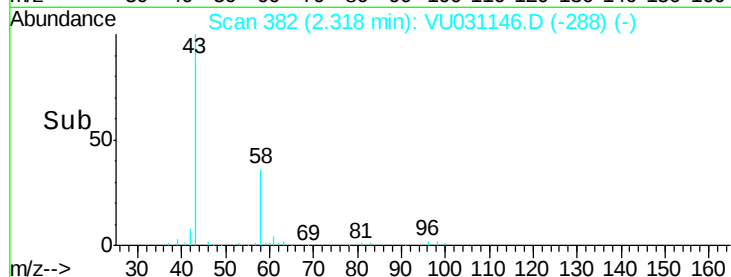
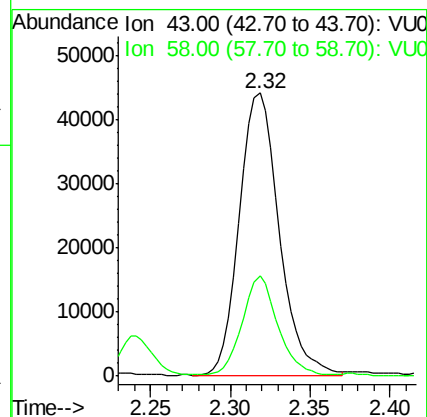
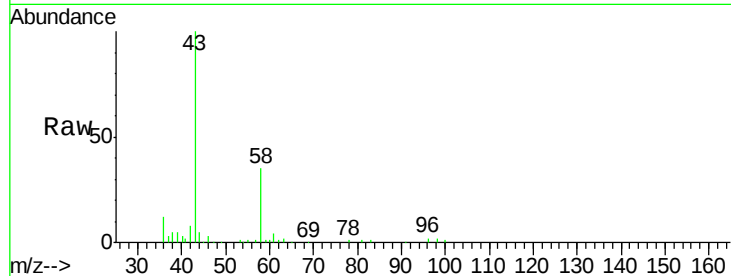
#13
Acetone
Concen: 20.503 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU031146.D
Acq: 12 Apr 2019 22:03

Instrument :
MSVOA_U
ClientSampled :
BFC36

Tot Ion: 43 Resp: 74787
Ion Ratio Lower Upper
43 100
58 32.4 0.0 64.0

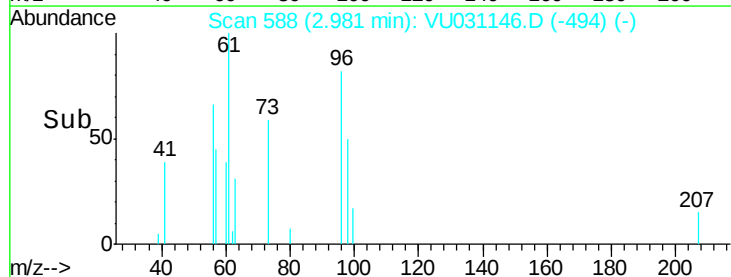
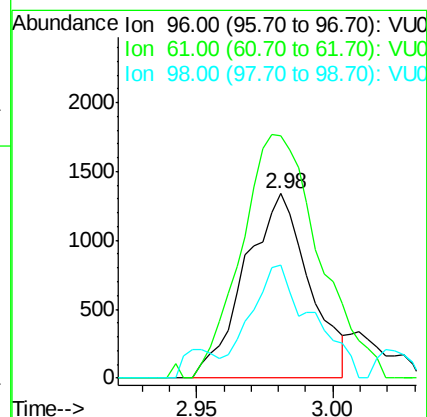
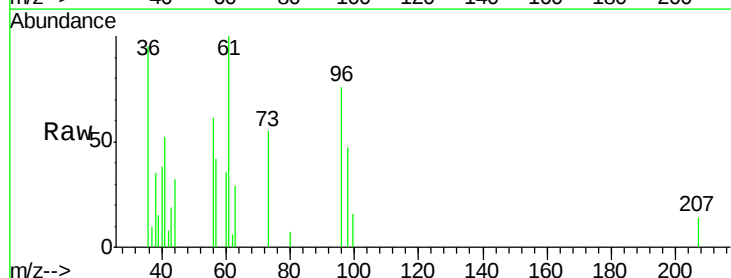
Manual Integrations
APPROVED

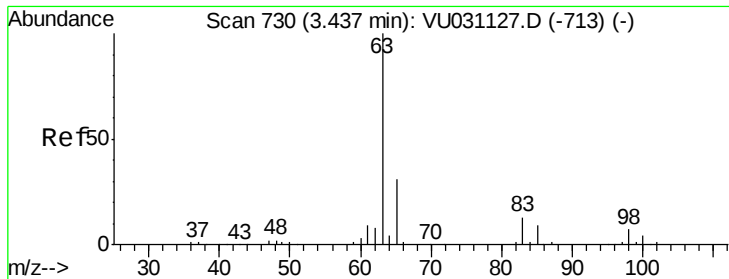
MMDadoda
4/15/2019 12:49:03 PM



#17
trans-1,2-Dichloroethene
Concen: 0.596 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU031146.D
Acq: 12 Apr 2019 22:03

Tgt Ion: 96 Resp: 2203
Ion Ratio Lower Upper
96 100
61 131.2 109.5 203.3
98 61.5 44.0 81.6





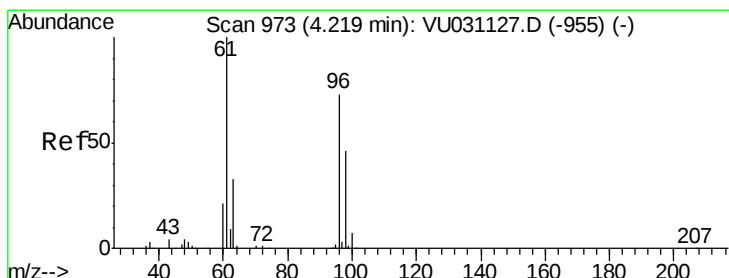
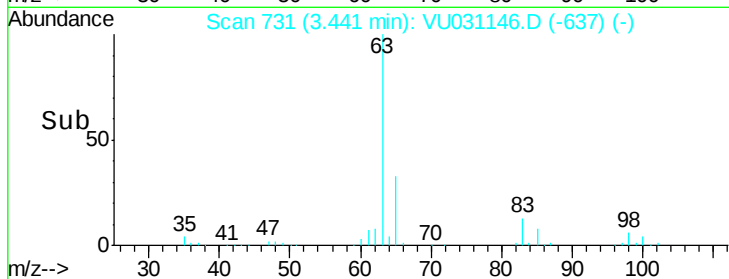
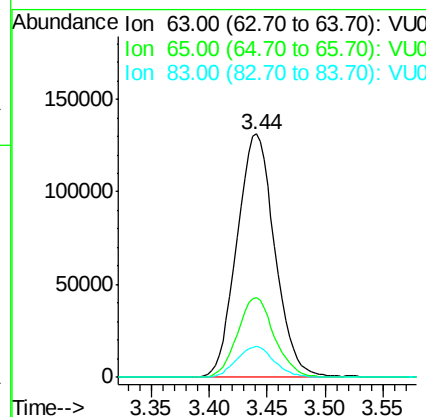
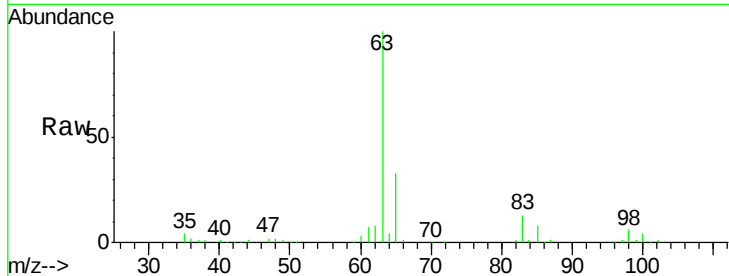
#19
 1,1-Dichloroethane
 Concen: 39.031 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031146.D
 Acq: 12 Apr 2019 22:03

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC36

Tot Ion:	63	Resp:	297859
Ion	Ratio	Lower	Upper
63	100		
65	32.8	21.4	39.8
83	12.8	8.5	15.7

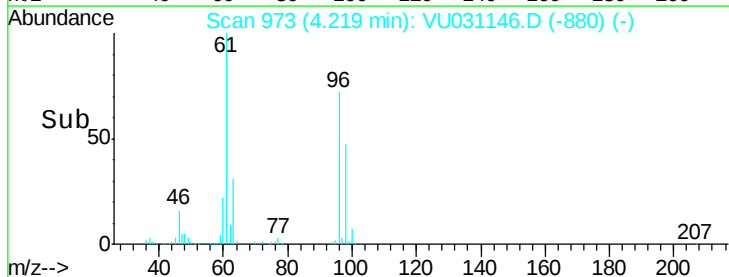
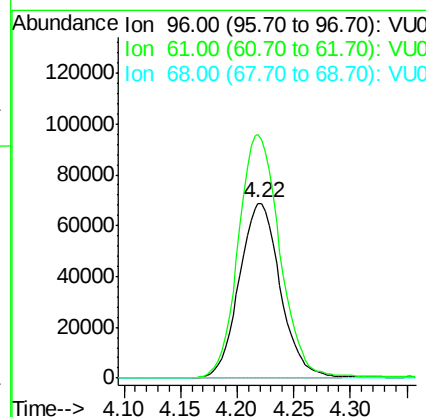
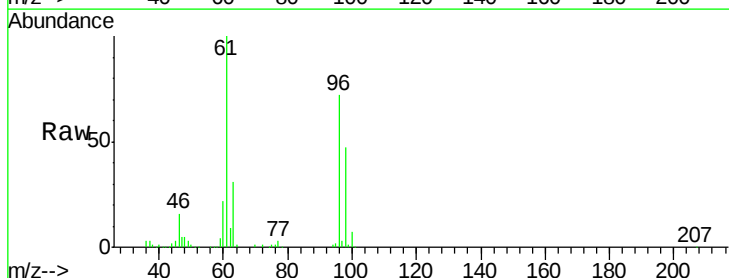
Manual Integrations
 APPROVED

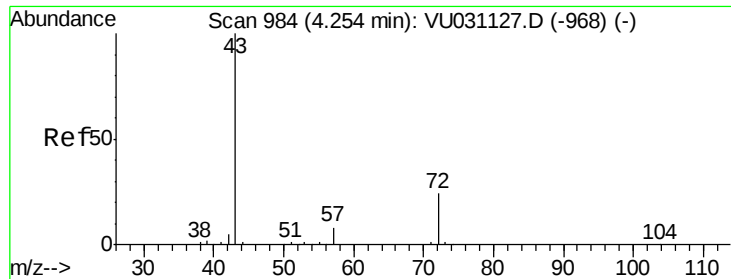
MMDadoda
 4/15/2019 12:49:03 PM



#20
 cis-1,2-Dichloroethene
 Concen: 42.559 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031146.D
 Acq: 12 Apr 2019 22:03

Tgt Ion:	96	Resp:	173771
Ion	Ratio	Lower	Upper
96	100		
61	139.1	102.9	191.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 8.859 ug/L m

RT: 4.27 min Scan# 990

Delta R.T. 0.02 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

Instrument :

MSVOA_U

ClientSampleId :

BFC36

Tot Ion: 43 Resp: 37888

Ion Ratio Lower Upper

43 100

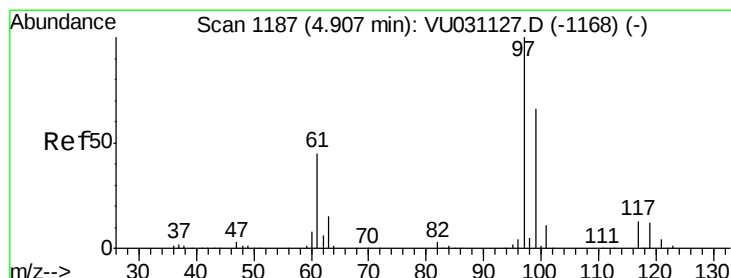
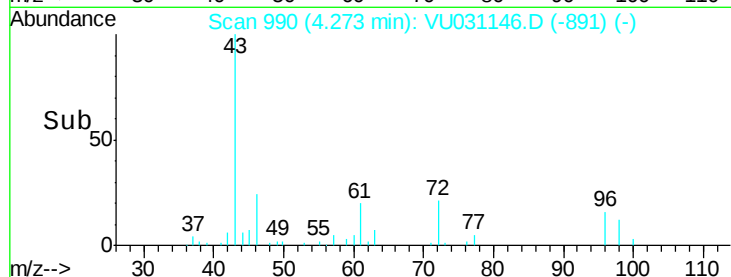
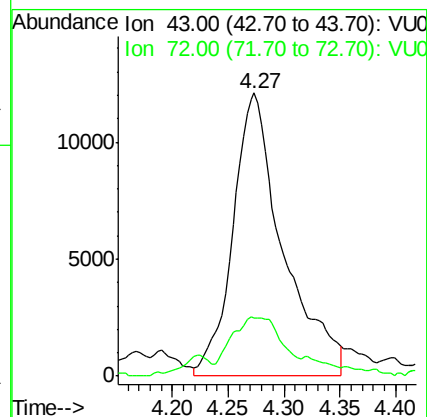
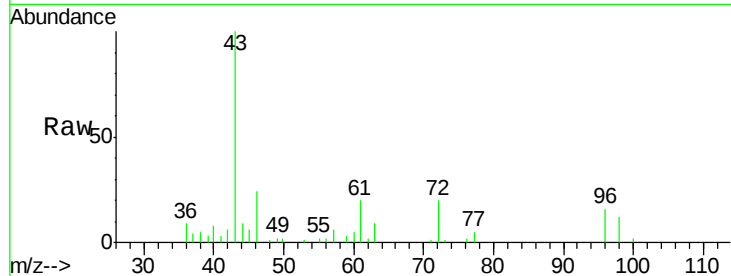
72 0.4 10.8 32.4#

Manual Integrations

APPROVED

MMDadoda

4/15/2019 12:49:03 PM



#30

1,1,1-Trichloroethane

Concen: 8.884 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

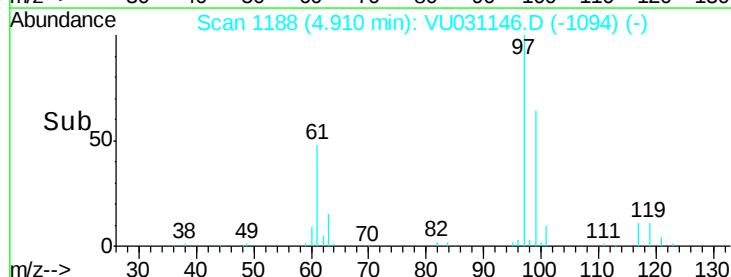
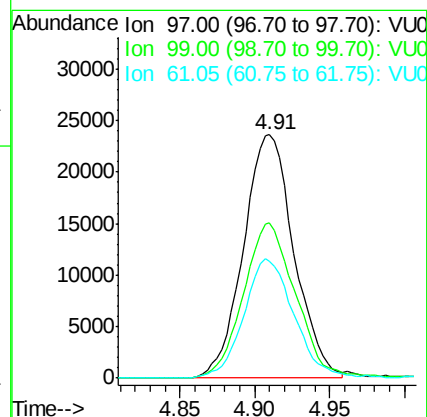
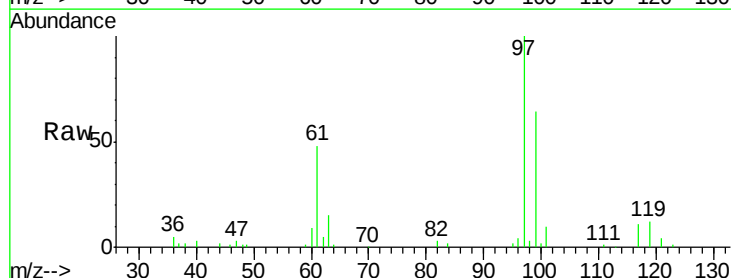
Tgt Ion: 97 Resp: 55530

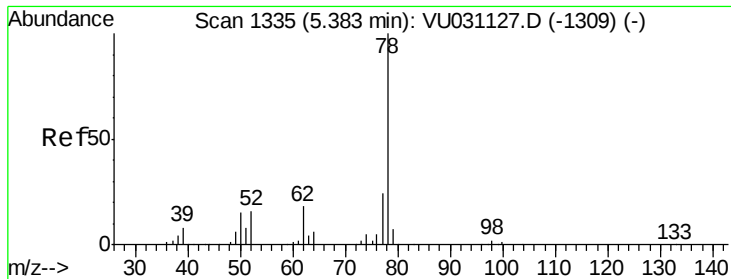
Ion Ratio Lower Upper

97 100

99 65.6 51.4 77.2

61 48.5 37.1 55.7





#33

Benzene

Concen: 0.438 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

Instrument :

MSVOA_U

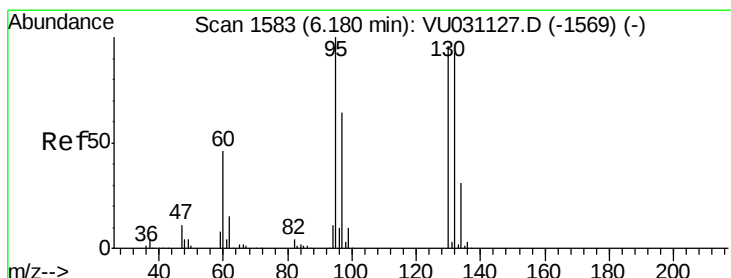
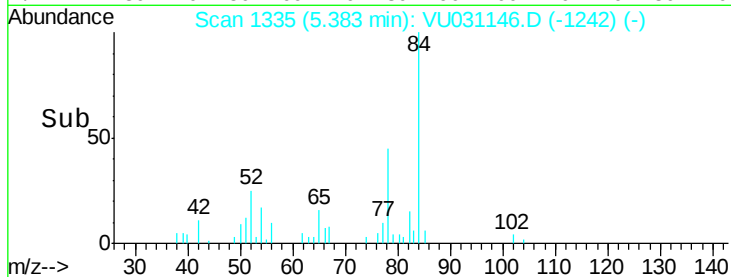
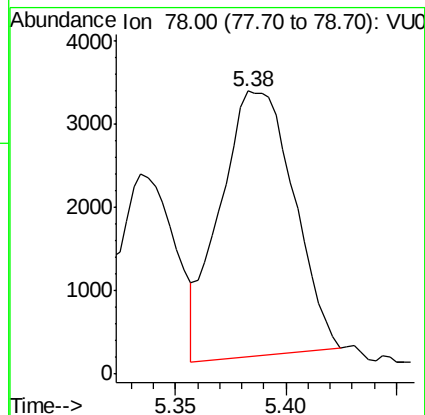
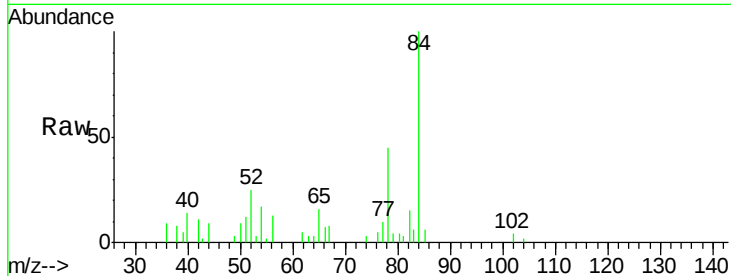
ClientSampleId :

BFC36

Tgt Ion: 78 Resp: 7345

Manual Integrations
APPROVED

MMDadoda
4/15/2019 12:49:03 PM



#34

Trichloroethene

Concen: 1379.710 ug/L

RT: 6.18 min Scan# 1583

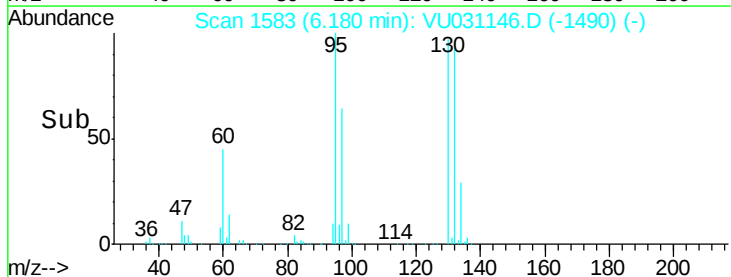
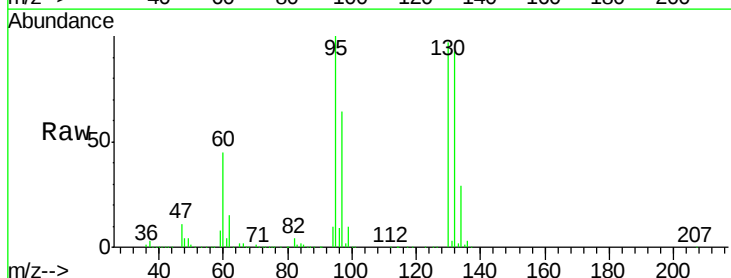
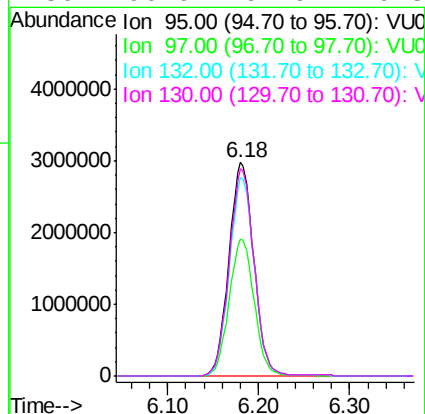
Delta R.T. 0.00 min

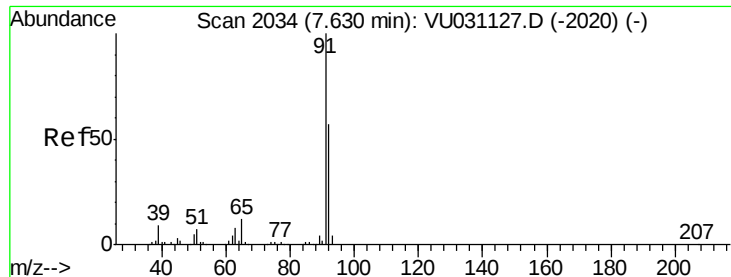
Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

Tgt Ion: 95 Resp: 5679927

Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.5	82.7
132	92.8	61.5	114.1
130	96.9	64.9	120.5





#42

Toluene

Concen: 0.563 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

Instrument :

MSVOA_U

ClientSampleId :

BFC36

Tot Ion: 91 Resp: 9654

Ion Ratio Lower Upper

91 100

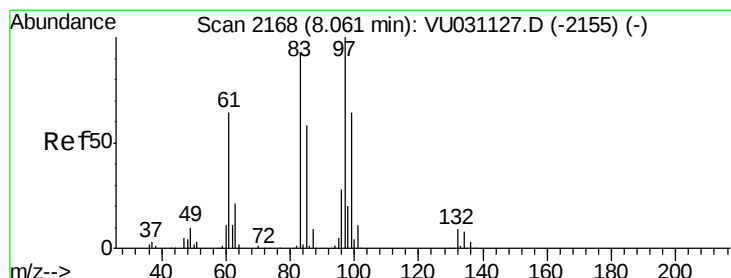
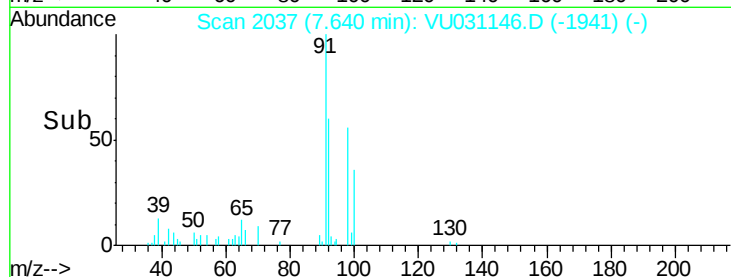
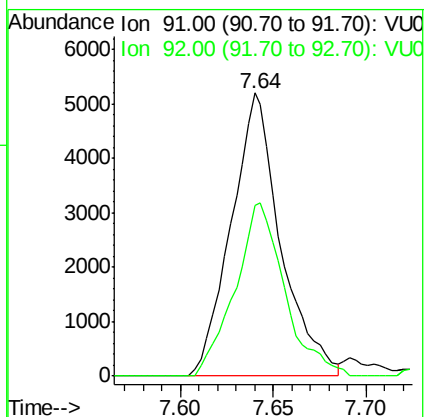
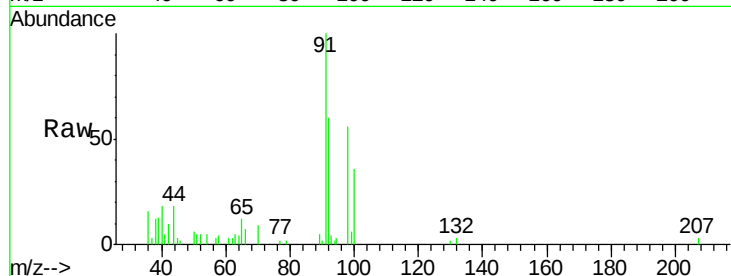
92 60.5 40.0 74.4

Manual Integrations

APPROVED

MMDadoda

4/15/2019 12:49:03 PM



#45

1,1,2-Trichloroethane

Concen: 0.392 ug/L

RT: 8.07 min Scan# 2172

Delta R.T. 0.01 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

Tgt Ion: 97 Resp: 1581

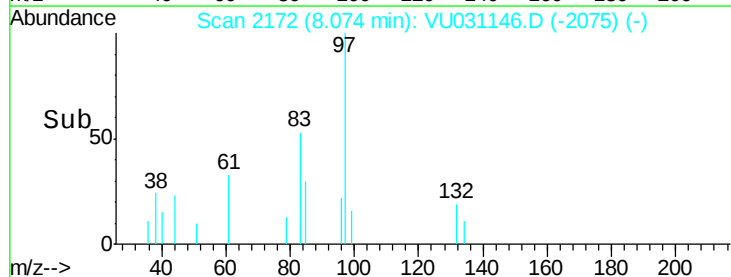
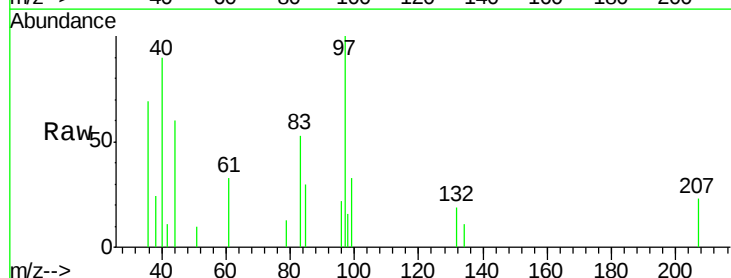
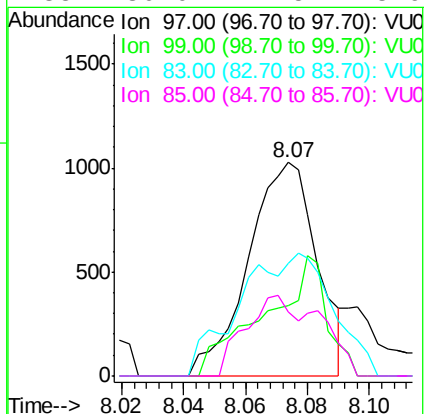
Ion Ratio Lower Upper

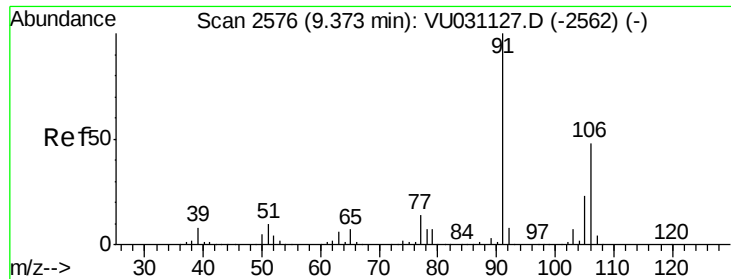
97 100

99 33.1 44.0 81.8#

83 52.6 65.3 121.3#

85 30.0 42.5 78.9#





#53
 m,p-Xylene
 Concen: 0.709 ug/L m
 RT: 9.38 min Scan# 2579
 Delta R.T. 0.01 min
 Lab File: VU031146.D
 Acq: 12 Apr 2019 22:03

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC36

Tot Ion:106 Resp: 4619
 Ion Ratio Lower Upper
 106 100
 91 180.8 148.0 274.8

Manual Integrations
 APPROVED

MMDadoda
 4/15/2019 12:49:03 PM

