

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031020.D
 Acq On : 10 Apr 2019 18:49
 Operator : JC/SP
 Sample : K2249-14DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE6DL

Quant Time: Apr 11 06:34:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	444949	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	439447	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	188797	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	217856	54.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.70%
7) Chloroethane-d5	1.68	69	178334	59.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	118.32%
11) 1,1-Dichloroethene-d2	2.27	63	297145	41.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.72%
21) 2-Butanone-d5	4.17	46	348720	110.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.78%
24) Chloroform-d	4.64	84	335954	55.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.74%
26) 1,2-Dichloroethane-d4	5.31	65	243038	58.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.40%
32) Benzene-d6	5.34	84	696937	54.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.66%
36) 1,2-Dichloropropane-d6	6.32	67	234660	53.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.74%
41) Toluene-d8	7.56	98	596459	52.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.90%
43) trans-1,3-Dichloropropene-	7.85	79	103294	51.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.04%
47) 2-Hexanone-d5	8.31	63	198336	98.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	328938	55.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	215046	57.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.84%

Target Compounds

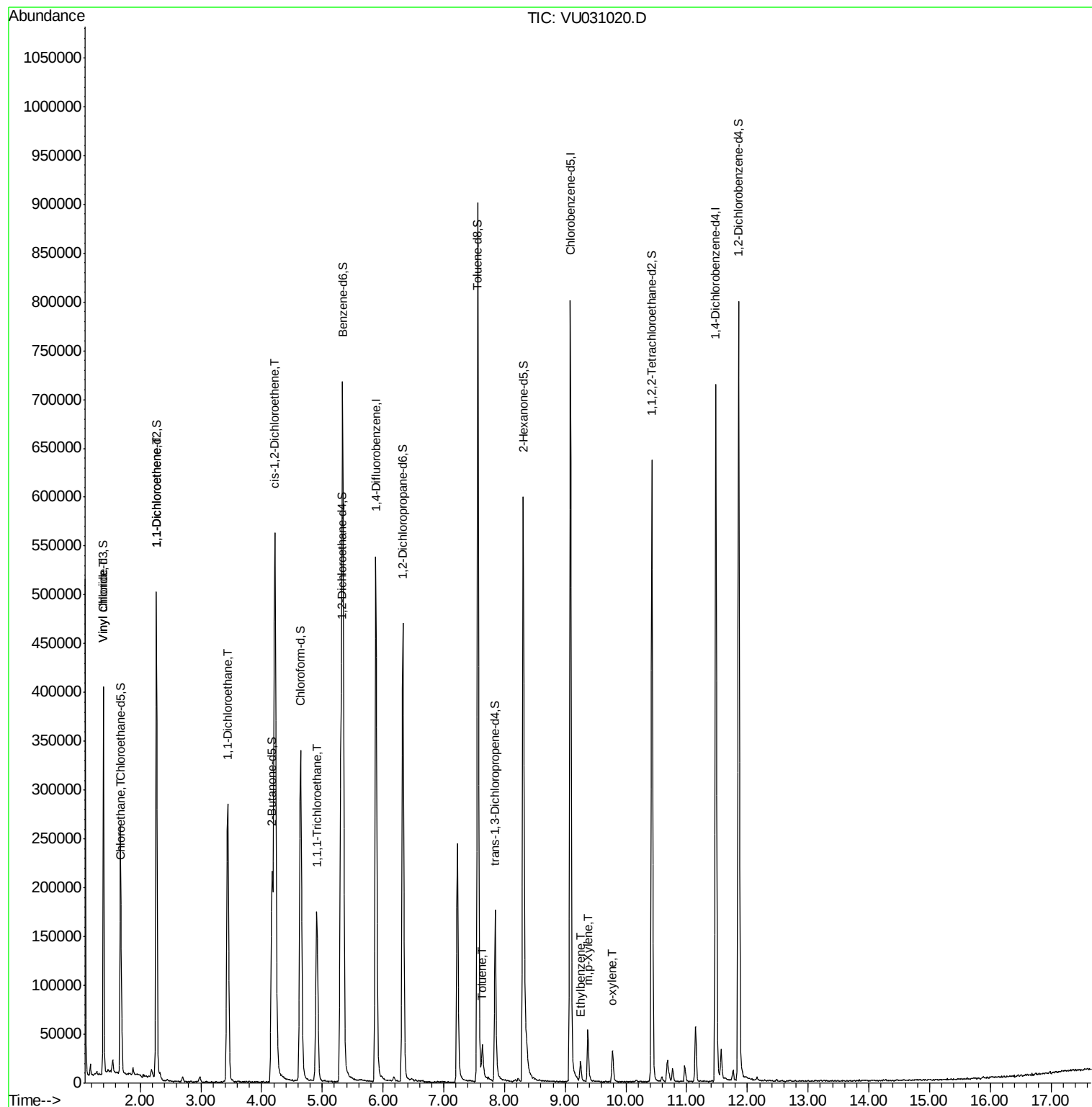
					Ovalue
5) Vinyl chloride	1.40	62	36798	7.519 ug/L #	82
8) Chloroethane	1.69	64	22717	8.139 ug/L	90
12) 1,1-Dichloroethene	2.28	96	8237	2.678 ug/L #	1
19) 1,1-Dichloroethane	3.44	63	316547	46.969 ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	300349	83.293 ug/L	94
30) 1,1,1-Trichloroethane	4.91	97	139031	25.960 ug/L	98
42) Toluene	7.64	91	23384	1.593 ug/L	96
52) Ethylbenzene	9.25	91	13168	0.823 ug/L	90
53) m,p-Xylene	9.37	106	15139	2.713 ug/L	98
54) o-xylene	9.78	106	8354	1.505 ug/L	81

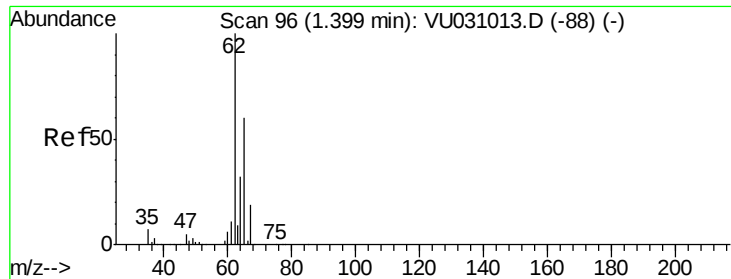
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Apr 11 05:17:40 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.519 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031020.D

Acq: 10 Apr 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

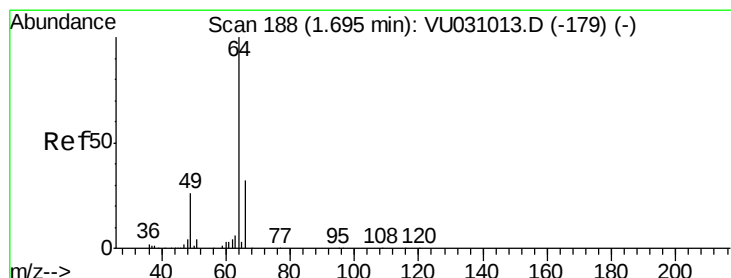
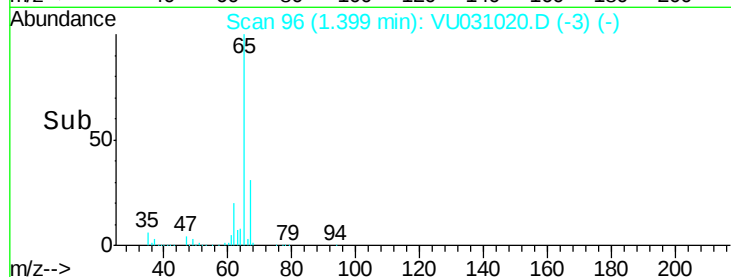
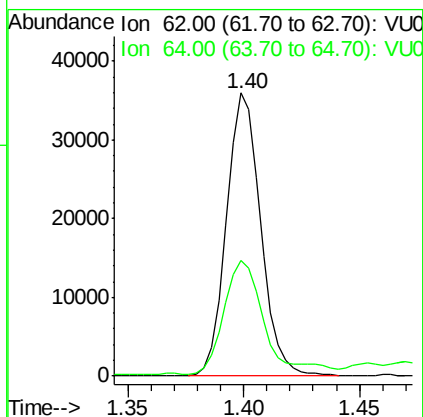
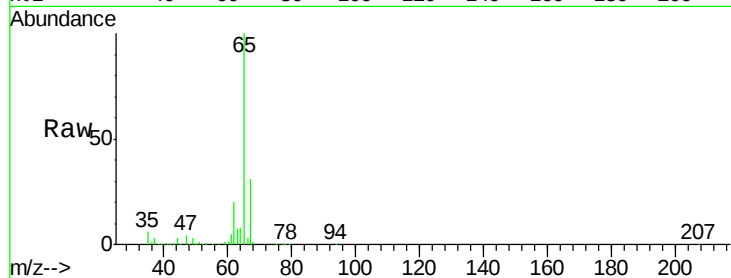
E3YE6DL

Tot Ion: 62 Resp: 36798

Ion Ratio Lower Upper

62 100

64 40.7 21.5 39.9#



#8

Chloroethane

Concen: 8.139 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU031020.D

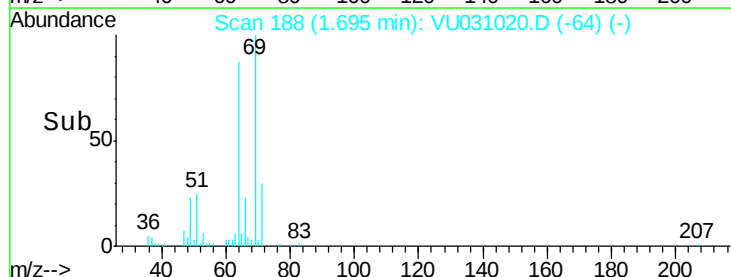
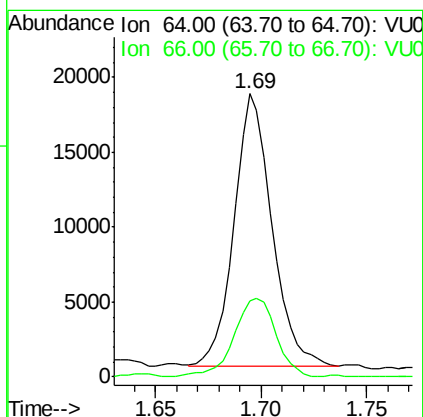
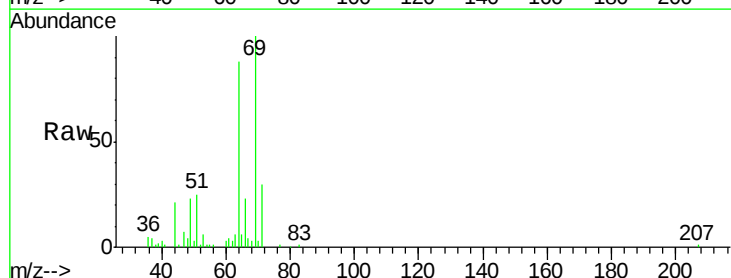
Acq: 10 Apr 2019 18:49

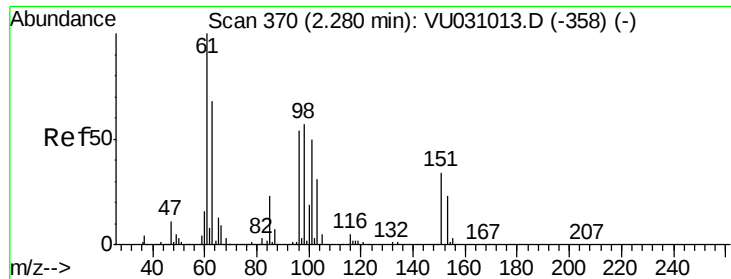
Tgt Ion: 64 Resp: 22717

Ion Ratio Lower Upper

64 100

66 26.6 22.4 41.6





#12

1,1-Dichloroethene

Concen: 2.678 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031020.D

Acq: 10 Apr 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

E3YE6DL

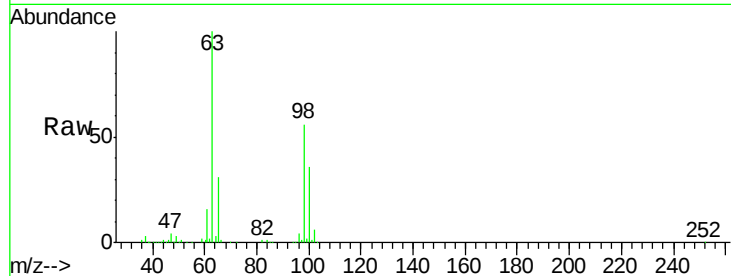
Tot Ion: 96 Resp: 8237

Ion Ratio Lower Upper

96 100

61 401.4 132.0 245.2#

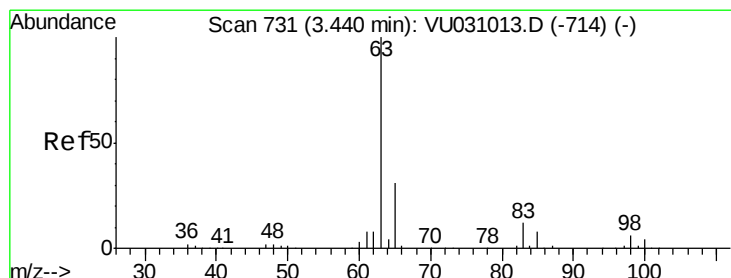
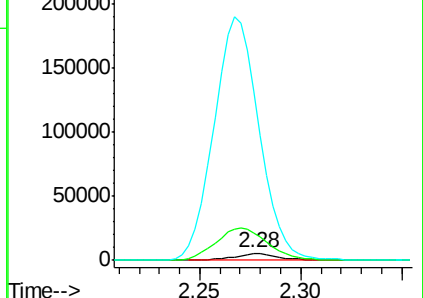
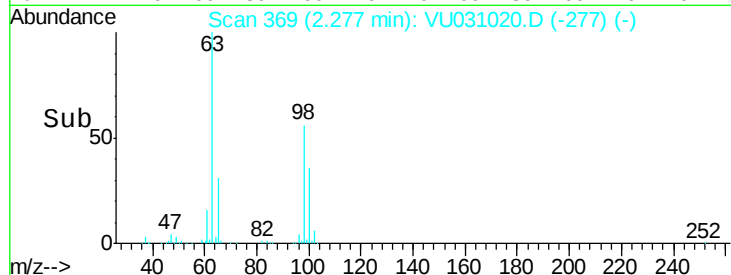
63 2437.0 90.9 168.9#



Abundance Ion 96.00 (95.70 to 96.70): VU031020.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU031020.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU031020.D (-277) (-)



#19

1,1-Dichloroethane

Concen: 46.969 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU031020.D

Acq: 10 Apr 2019 18:49

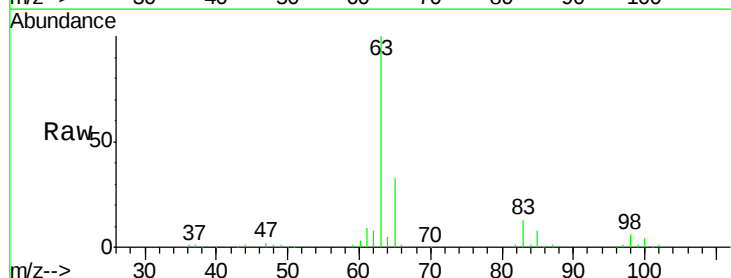
Tgt Ion: 63 Resp: 316547

Ion Ratio Lower Upper

63 100

65 32.7 21.4 39.8

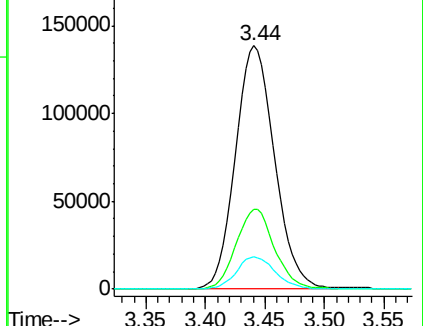
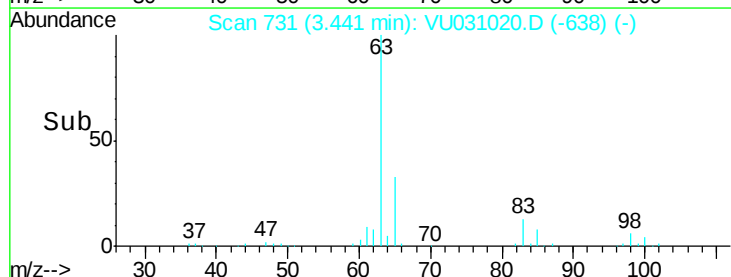
83 13.3 8.5 15.7

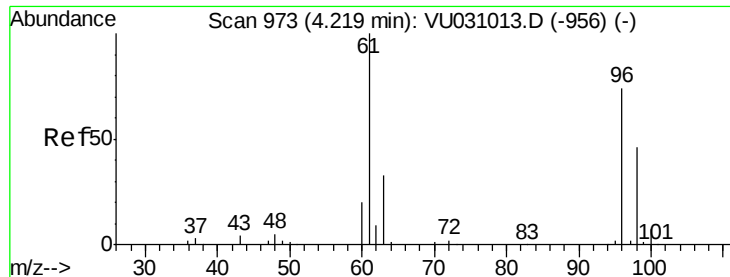


Abundance Ion 63.00 (62.70 to 63.70): VU031020.D (-638) (-)

Ion 65.00 (64.70 to 65.70): VU031020.D (-638) (-)

Ion 83.00 (82.70 to 83.70): VU031020.D (-638) (-)

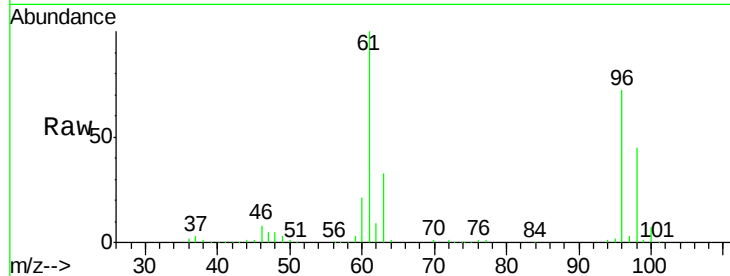




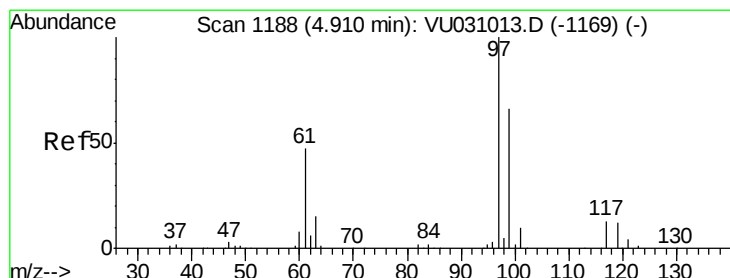
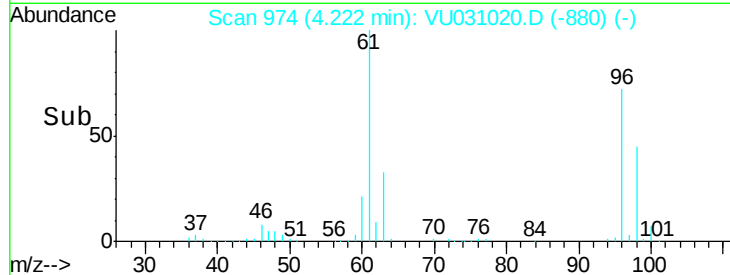
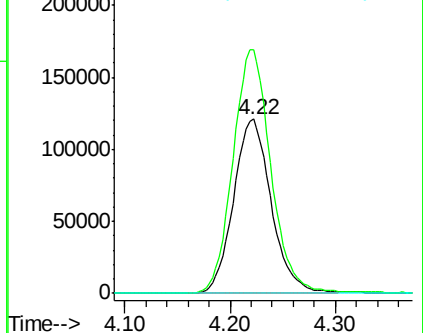
#20
 cis-1,2-Dichloroethene
 Concen: 83.293 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031020.D
 Acq: 10 Apr 2019 18:49

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE6DL

Tot Ion: 96 Resp: 300349
 Ion Ratio Lower Upper
 96 100
 61 139.7 102.9 191.1
 68 0.0 0.0 0.0

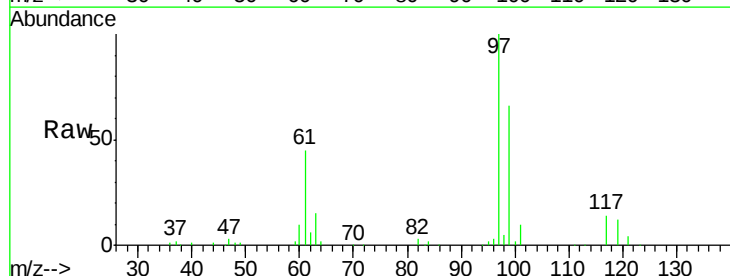


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

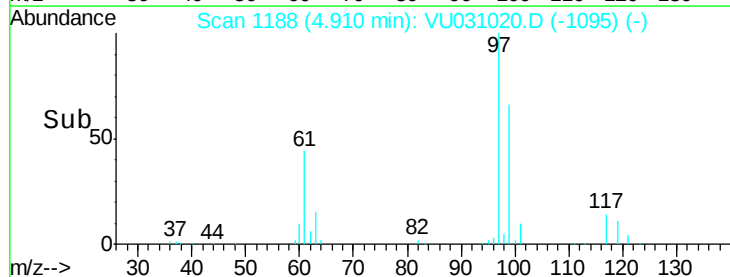
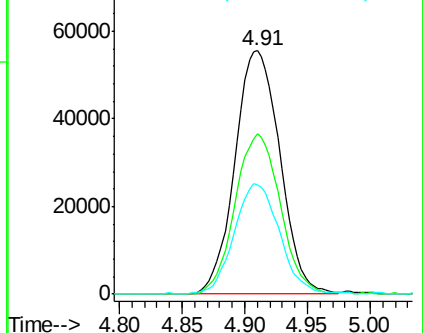


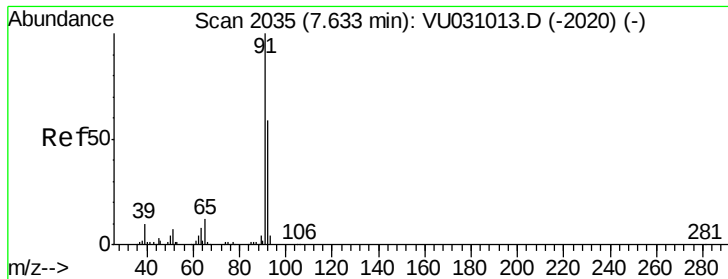
#30
 1,1,1-Trichloroethane
 Concen: 25.960 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU031020.D
 Acq: 10 Apr 2019 18:49

Tgt Ion: 97 Resp: 139031
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.4 77.2
 61 45.0 37.1 55.7



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0





#42

Toluene

Concen: 1.593 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031020.D

Acq: 10 Apr 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

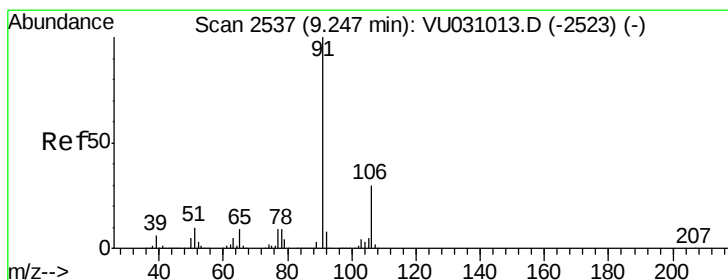
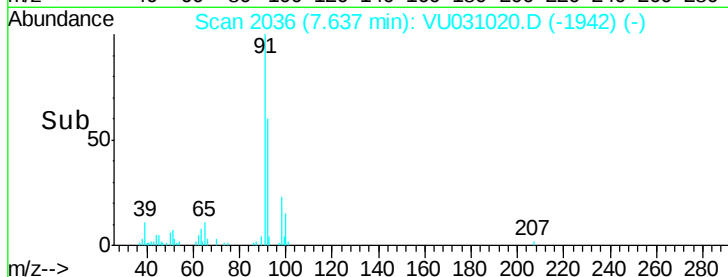
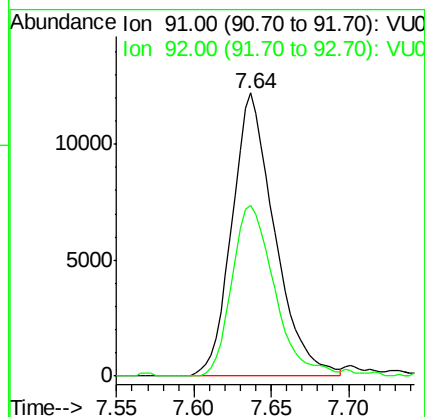
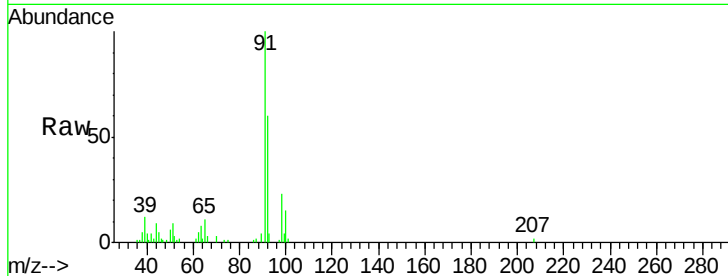
E3YE6DL

Tot Ion: 91 Resp: 23384

Ion Ratio Lower Upper

91 100

92 60.1 40.0 74.4



#52

Ethylbenzene

Concen: 0.823 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031020.D

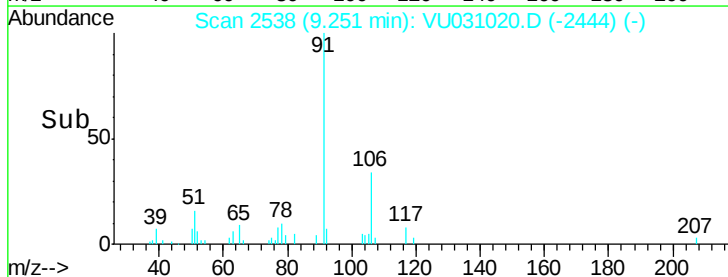
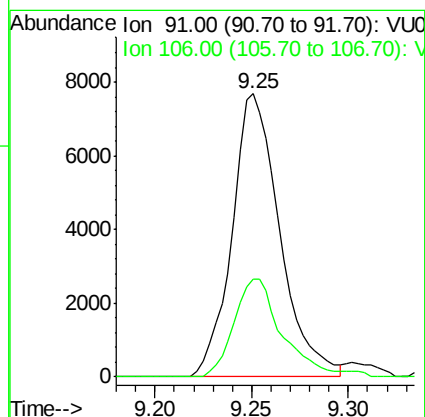
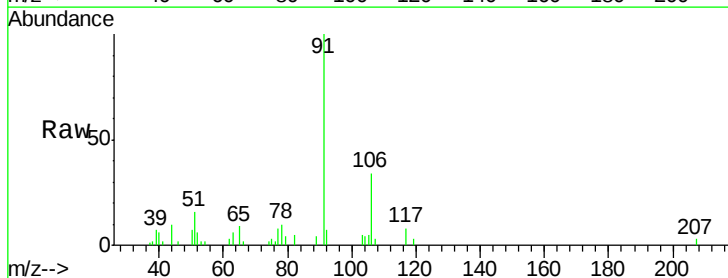
Acq: 10 Apr 2019 18:49

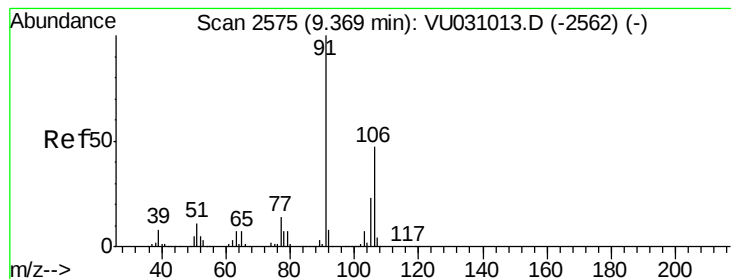
Tgt Ion: 91 Resp: 13168

Ion Ratio Lower Upper

91 100

106 34.3 20.4 37.8





#53

m,p-Xylene

Concen: 2.713 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU031020.D

Acq: 10 Apr 2019 18:49

Instrument :

MSVOA_U

ClientSampleId :

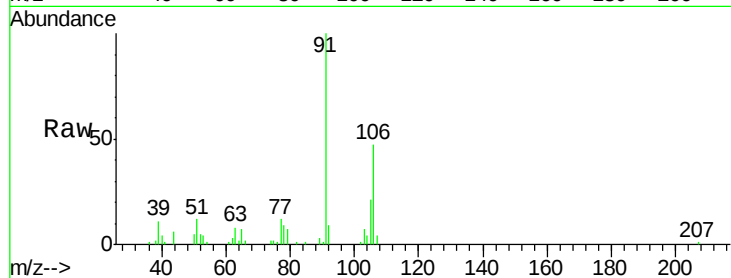
E3YE6DL

Tot Ion:106 Resp: 15139

Ion Ratio Lower Upper

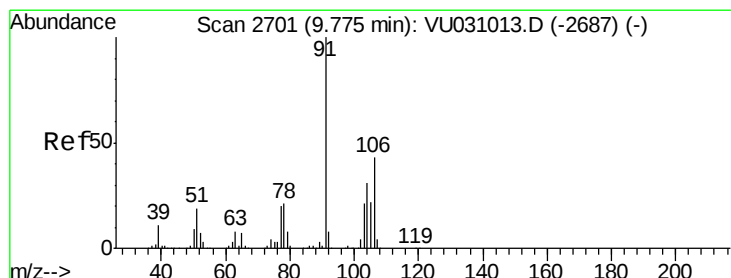
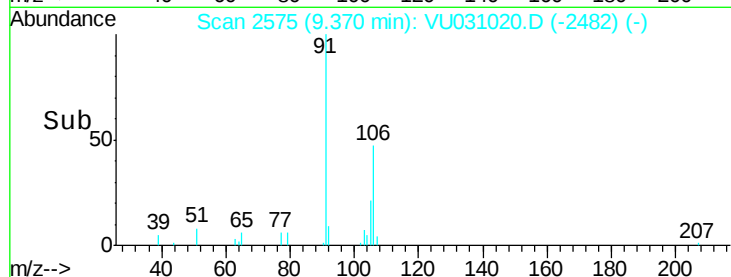
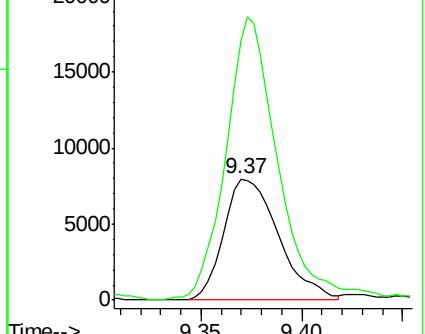
106 100

91 214.5 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.505 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU031020.D

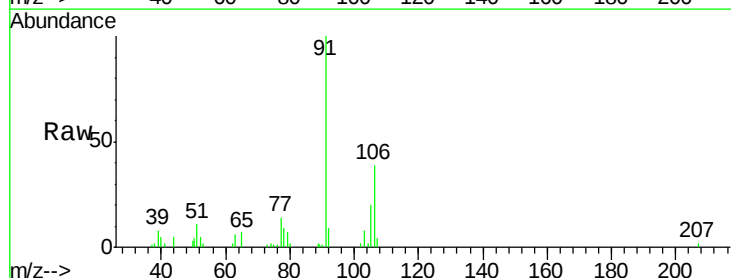
Acq: 10 Apr 2019 18:49

Tgt Ion:106 Resp: 8354

Ion Ratio Lower Upper

106 100

91 254.9 156.7 290.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

