

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030460.D
 Acq On : 26 Mar 2019 21:51
 Operator : JC/SP
 Sample : K2063-05 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6R7

Quant Time: Mar 27 07:51:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 06:00:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	450923	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	427987	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	188410	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	179539	49.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.94%
7) Chloroethane-d5	1.67	69	145457	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.14%
11) 1,1-Dichloroethene-d2	2.27	63	249802	36.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.58%
21) 2-Butanone-d5	4.17	46	352109	103.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.22%
24) Chloroform-d	4.64	84	303281	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
26) 1,2-Dichloroethane-d4	5.31	65	209793	51.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.56%
32) Benzene-d6	5.34	84	623651	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.62%
36) 1,2-Dichloropropane-d6	6.32	67	220488	52.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.02%
41) Toluene-d8	7.56	98	540436	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%
43) trans-1,3-Dichloropropene-	7.85	79	93449	47.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.66%
47) 2-Hexanone-d5	8.31	63	227636	100.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	298921	49.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.50%
64) 1,2-Dichlorobenzene-d4	11.85	152	193713	51.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.62%

Target Compounds

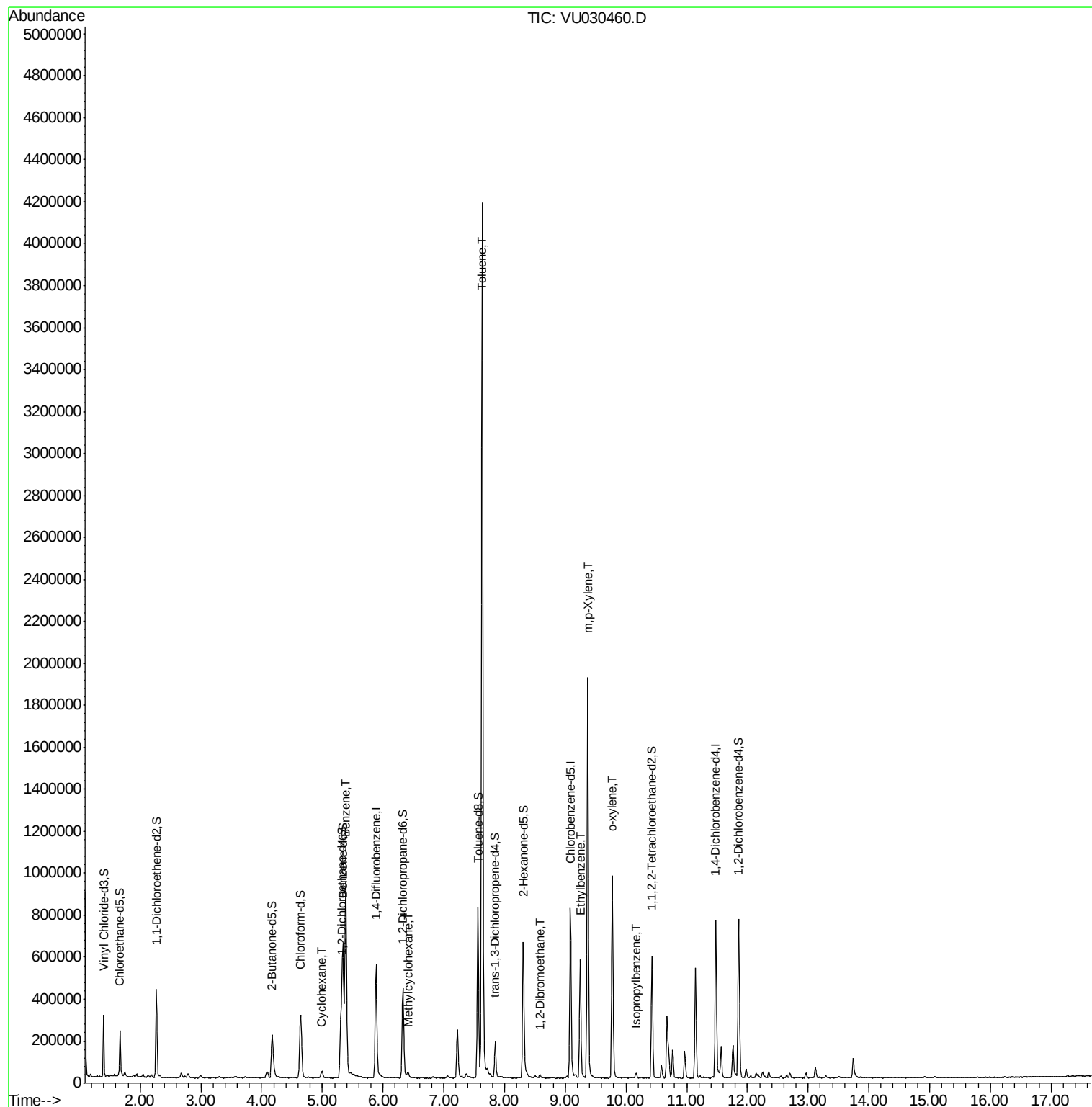
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.99	56	17738	2.739	ug/L	99
33) Benzene	5.39	78	905289	62.138	ug/L	100
35) Methylcyclohexane	6.41	83	11084	1.881	ug/L	95
42) Toluene	7.63	91	3016198	199.481	ug/L	99
50) 1,2-Dibromoethane	8.58	107	11801	3.148	ug/L	93
52) Ethylbenzene	9.25	91	400630	24.459	ug/L	99
53) m,p-Xylene	9.37	106	507725	85.849	ug/L	100
54) o-xylene	9.77	106	241651	41.876	ug/L	98
56) Isopropylbenzene	10.16	105	16610	1.087	ug/L	94

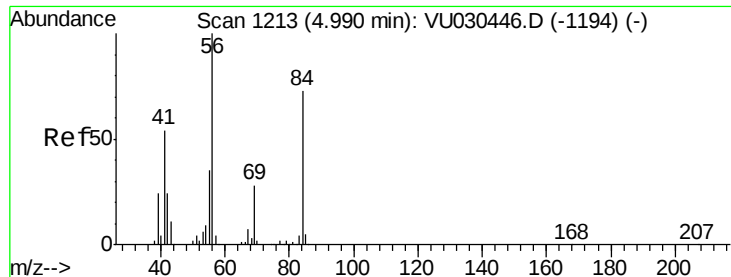
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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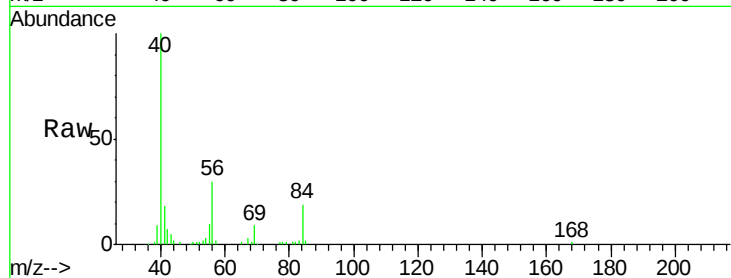




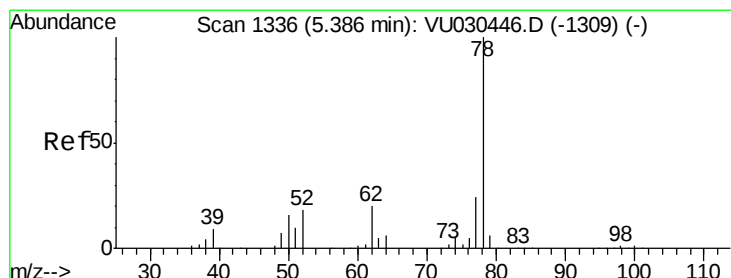
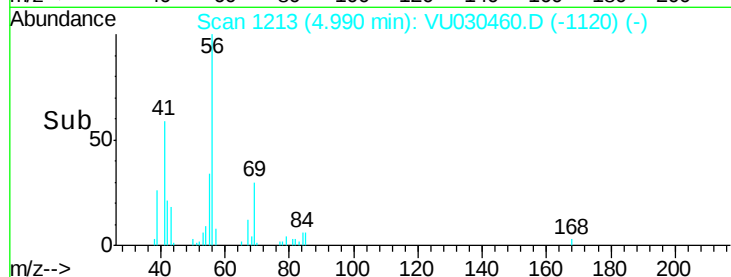
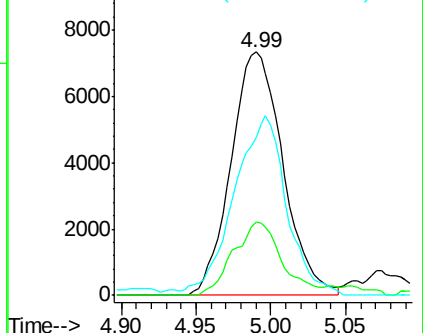
#29
Cyclohexane
Concen: 2.739 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU030460.D
Acq: 26 Mar 2019 21:51

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Tot Ion: 56 Resp: 17738
Ion Ratio Lower Upper
56 100
69 27.9 22.9 34.3
84 74.5 58.9 88.3

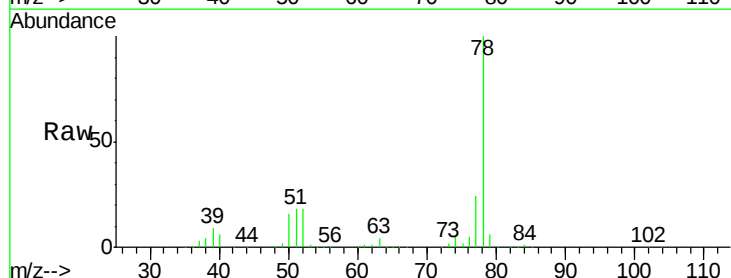


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

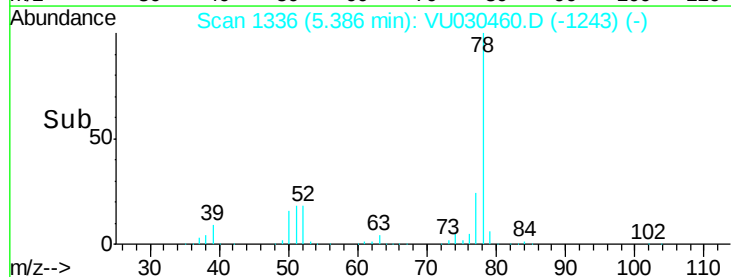
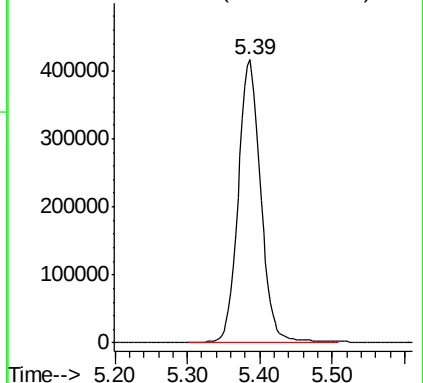


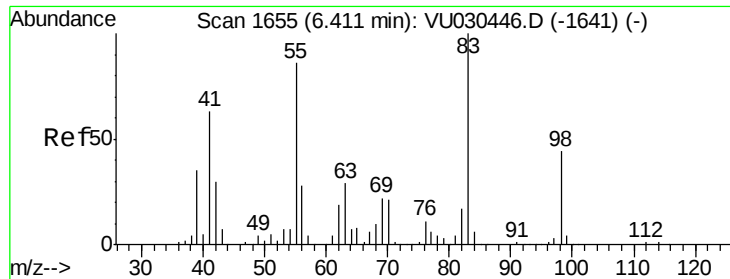
#33
Benzene
Concen: 62.138 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU030460.D
Acq: 26 Mar 2019 21:51

Tgt Ion: 78 Resp: 905289



Abundance Ion 78.00 (77.70 to 78.70): VU0

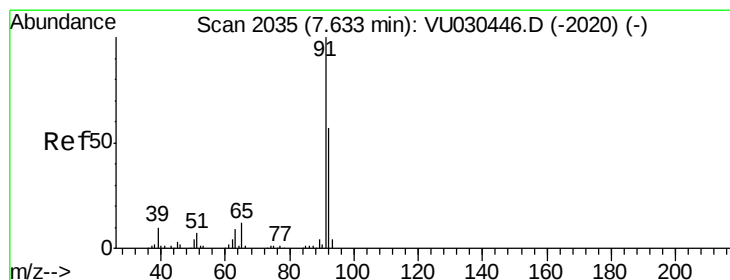
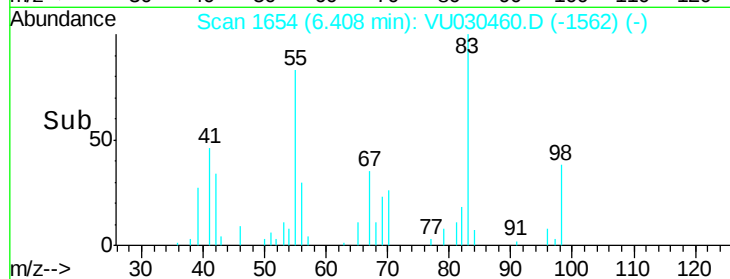
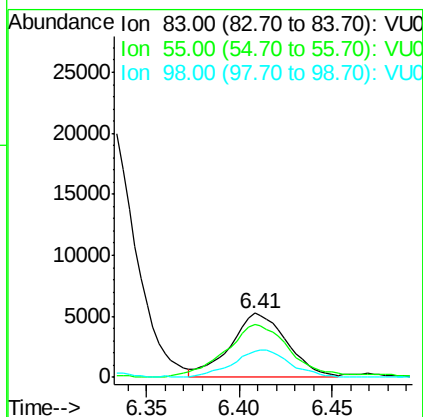
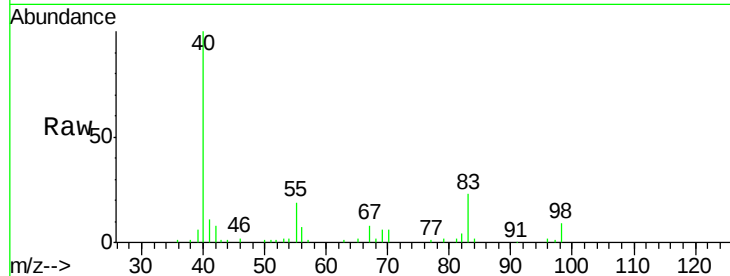




#35
Methvlcvclohexane
Concen: 1.881 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU030460.D
Acq: 26 Mar 2019 21:51

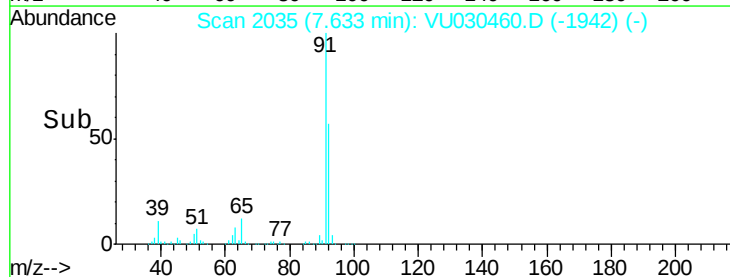
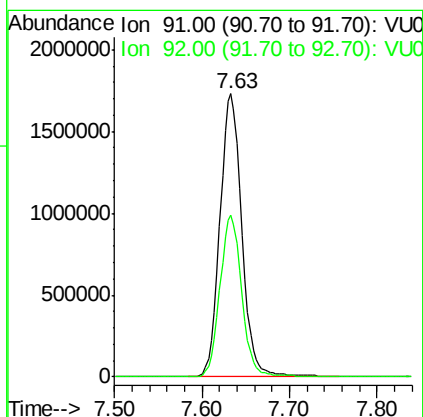
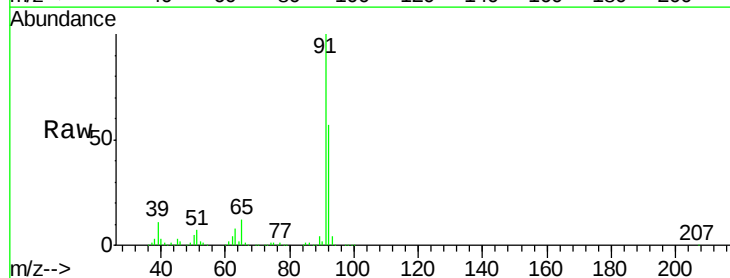
Instrument :
MSVOA_U
ClientSampleId :
DB6R7

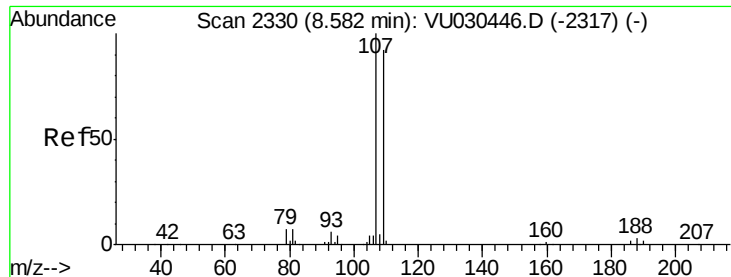
Tot Ion: 83 Resp: 11084
Ion Ratio Lower Upper
83 100
55 94.3 71.4 107.0
98 42.7 36.0 54.0



#42
Toluene
Concen: 199.481 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU030460.D
Acq: 26 Mar 2019 21:51

Tgt Ion: 91 Resp: 3016198
Ion Ratio Lower Upper
91 100
92 57.1 39.7 73.7





#50

1,2-Dibromoethane

Concen: 3.148 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

Instrument :

MSVOA_U

ClientSampleId :

DB6R7

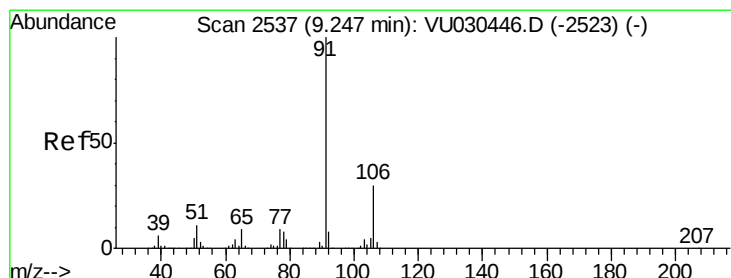
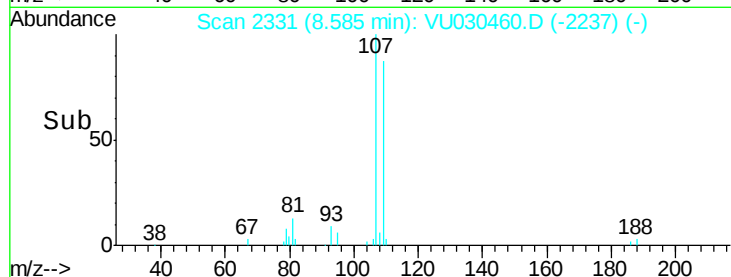
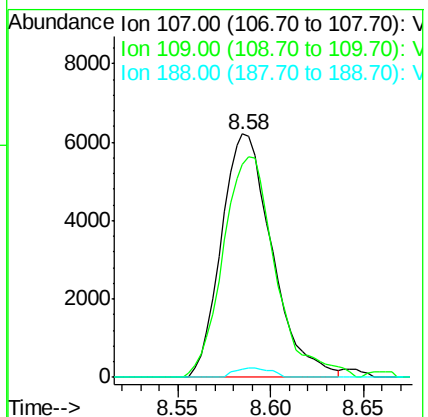
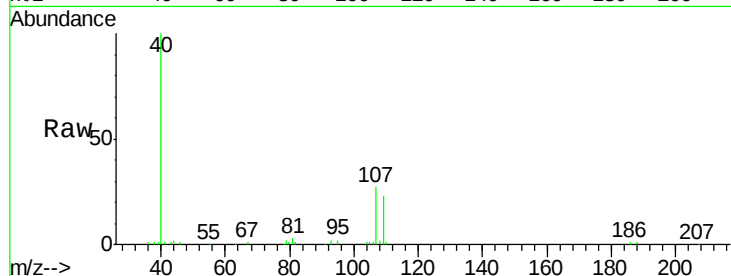
Tot Ion:107 Resp: 11801

Ion Ratio Lower Upper

107 100

109 87.2 65.8 122.2

188 3.4 2.6 4.0



#52

Ethylbenzene

Concen: 24.459 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030460.D

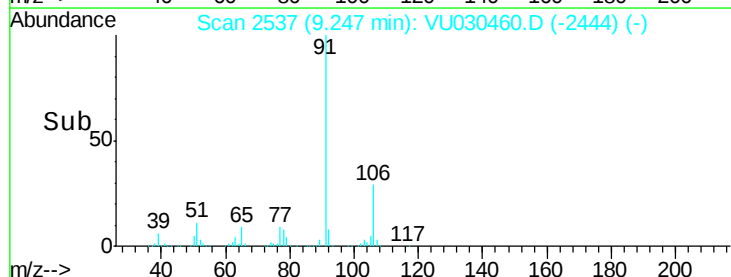
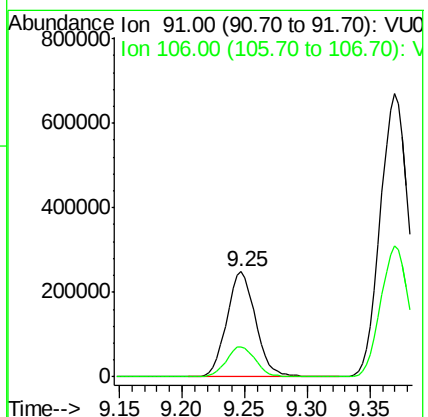
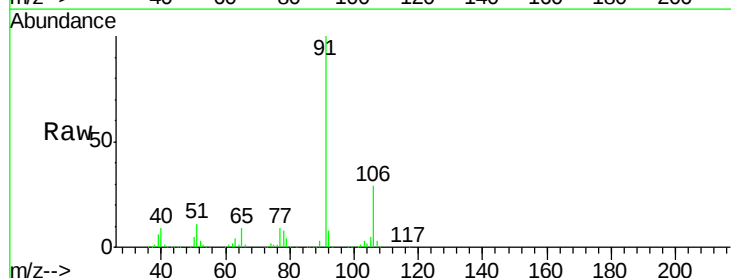
Acq: 26 Mar 2019 21:51

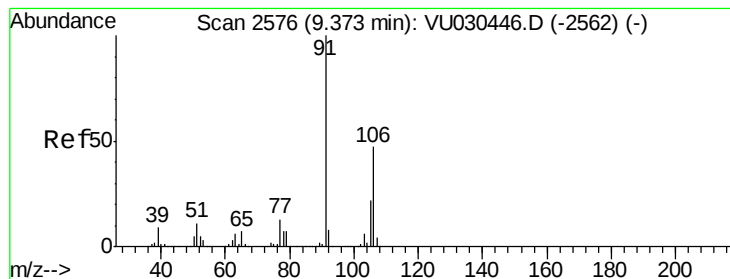
Tgt Ion: 91 Resp: 400630

Ion Ratio Lower Upper

91 100

106 29.0 20.6 38.2





#53

m.p-Xylene

Concen: 85.849 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

Instrument :

MSVOA_U

ClientSampleId :

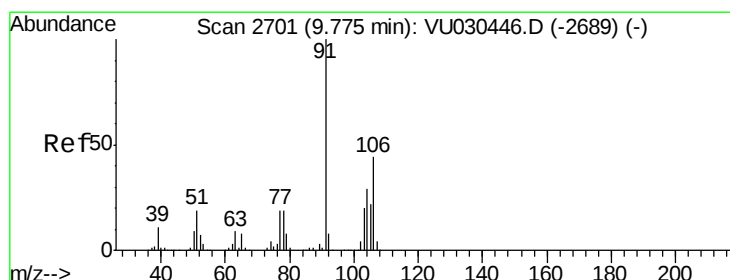
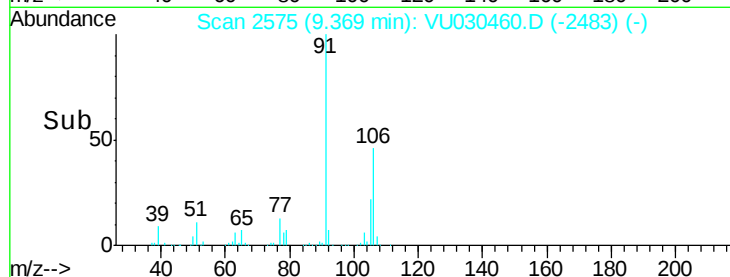
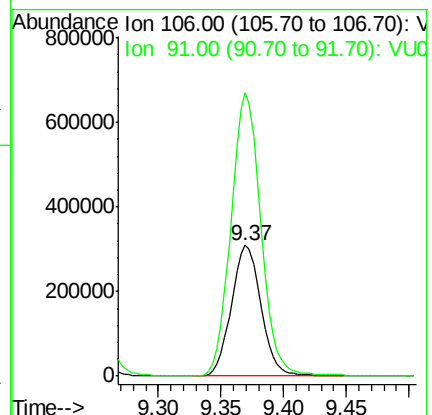
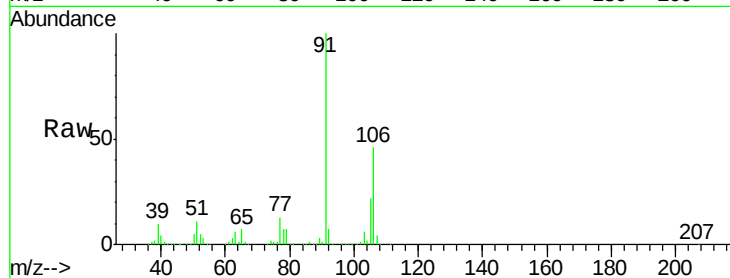
DB6R7

Tot Ion:106 Resp: 507725

Ion Ratio Lower Upper

106 100

91 216.2 151.2 280.8



#54

o-xylene

Concen: 41.876 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030460.D

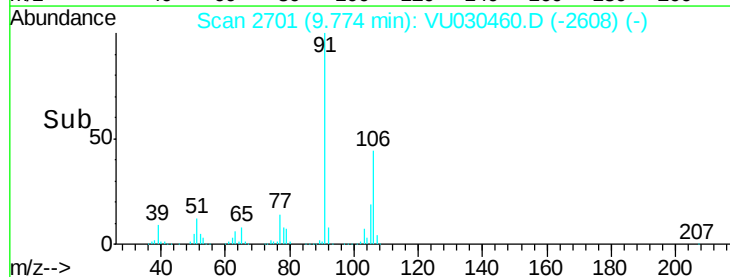
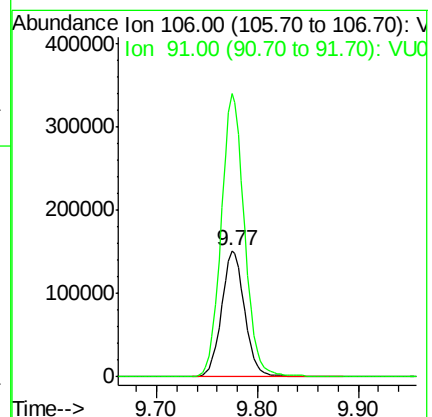
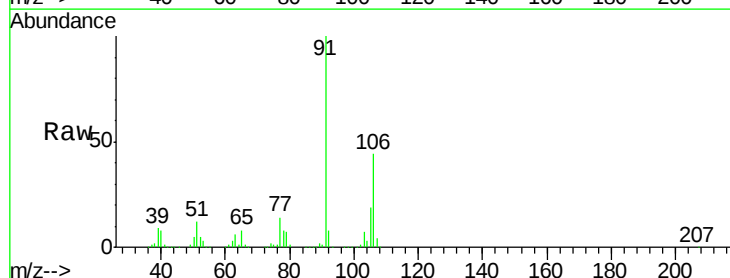
Acq: 26 Mar 2019 21:51

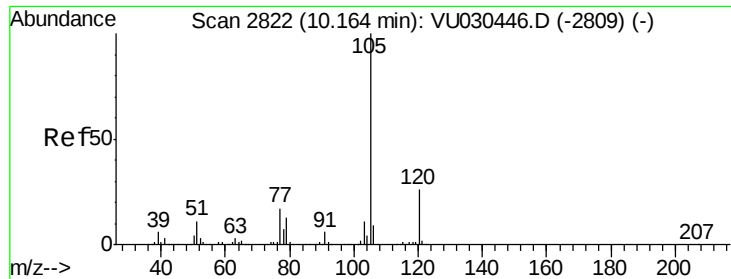
Tgt Ion:106 Resp: 241651

Ion Ratio Lower Upper

106 100

91 224.8 159.6 296.4





#56

Isopropylbenzene

Concen: 1.087 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

Instrument :

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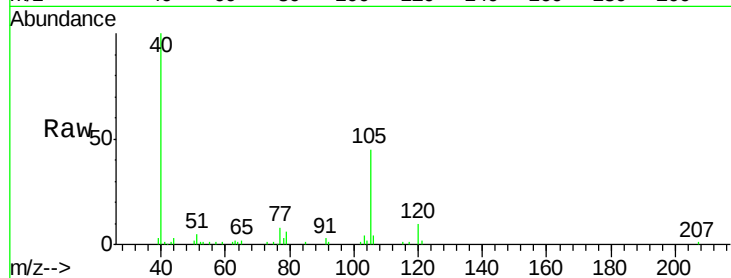
Tot Ion:105 Resp: 16610

Ion Ratio Lower Upper

105 100

120 21.8 20.2 30.2

77 18.7 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

