

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U122418\
 Data File : VU028940.D
 Acq On : 24 Dec 2018 12:17
 Operator : MD/SY
 Sample : J6542-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F71

Quant Time: Dec 25 00:57:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 25 00:02:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	243792	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	224092	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103675	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78772	40.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.60%
7) Chloroethane-d5	1.67	69	66223	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.74%
11) 1,1-Dichloroethene-d2	2.27	63	109565	33.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.66%
21) 2-Butanone-d5	4.17	46	132378	96.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.67%
24) Chloroform-d	4.65	84	146824	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
26) 1,2-Dichloroethane-d4	5.31	65	91290	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.38%
32) Benzene-d6	5.34	84	321437	50.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.54%
36) 1,2-Dichloropropane-d6	6.33	67	106893	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.40%
41) Toluene-d8	7.56	98	298526	52.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.06%
43) trans-1,3-Dichloropropene-	7.85	79	49358	51.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.44%
47) 2-Hexanone-d5	8.31	63	113264	110.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.88%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	150925	50.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	115427	55.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.10%

Target Compounds

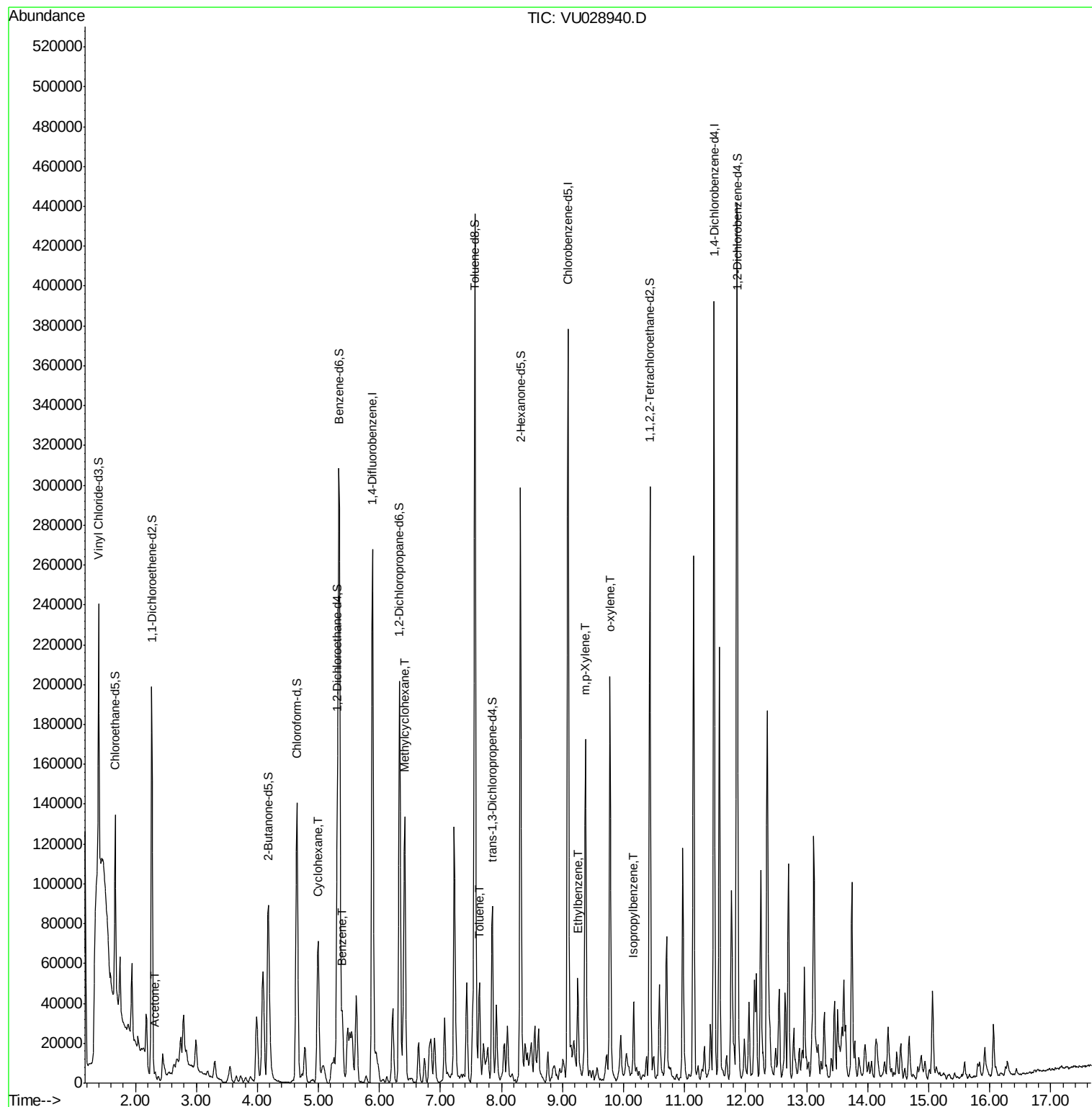
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.32	43	3299	2.364	ug/L	79
29) Cyclohexane	4.99	56	40675	13.638	ug/L	97
33) Benzene	5.39	78	35033	4.911	ug/L	100
35) Methylcyclohexane	6.41	83	60543	21.105	ug/L	98
42) Toluene	7.64	91	35751	4.943	ug/L	97
52) Ethylbenzene	9.25	91	34317	4.416	ug/L	97
53) m,p-Xylene	9.38	106	48452	16.861	ug/L	96
54) o-xylene	9.78	106	56667	19.676	ug/L	95
56) Isopropylbenzene	10.17	105	25070	3.431	ug/L	99

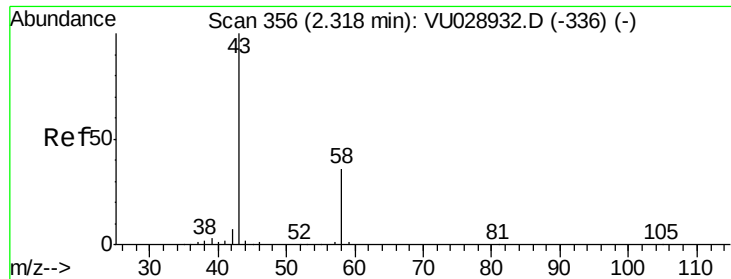
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.364 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028940.D

Acq: 24 Dec 2018 12:17

Instrument :

MSVOA_U

ClientSampled :

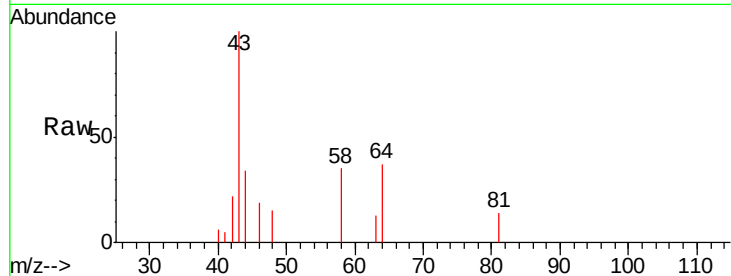
F9F71

Tgt Ion: 43 Resp: 3299

Ion Ratio Lower Upper

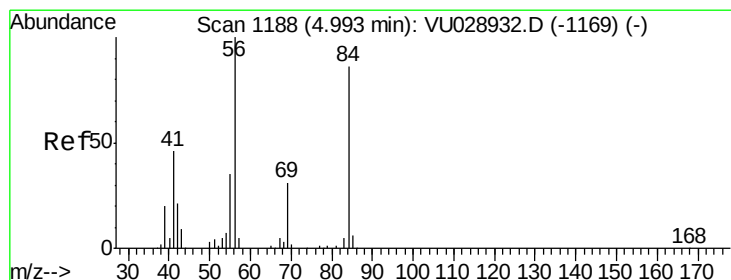
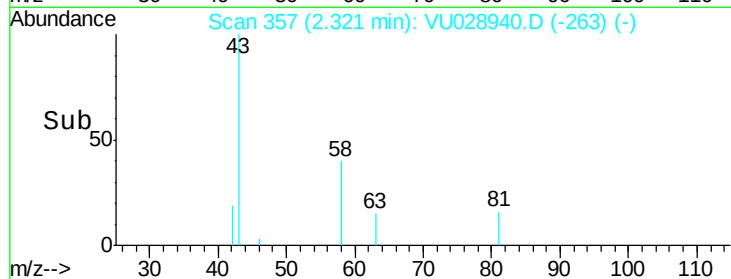
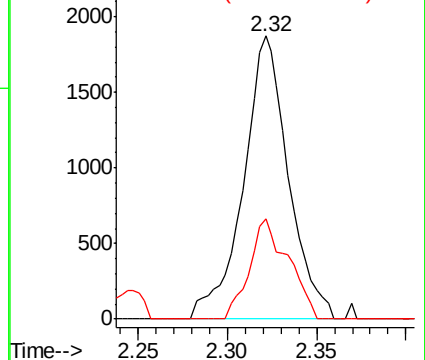
43 100

58 22.8 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#29

Cyclohexane

Concen: 13.638 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028940.D

Acq: 24 Dec 2018 12:17

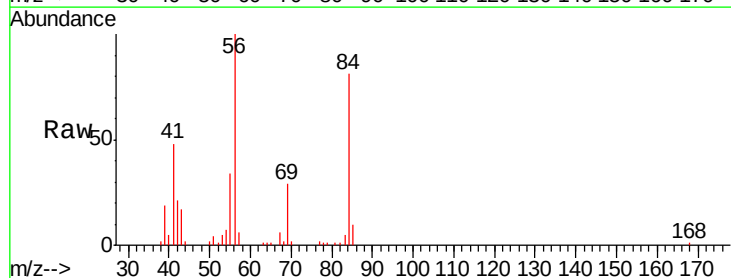
Tgt Ion: 56 Resp: 40675

Ion Ratio Lower Upper

56 100

69 31.6 23.8 35.8

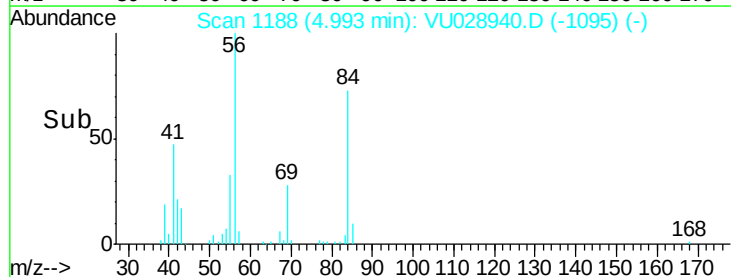
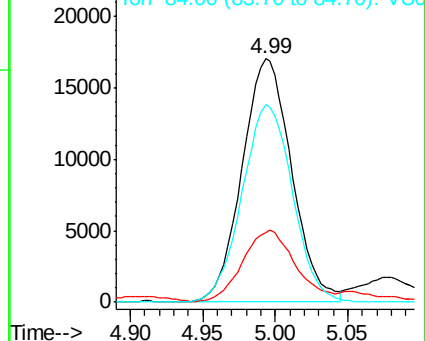
84 82.4 63.8 95.8

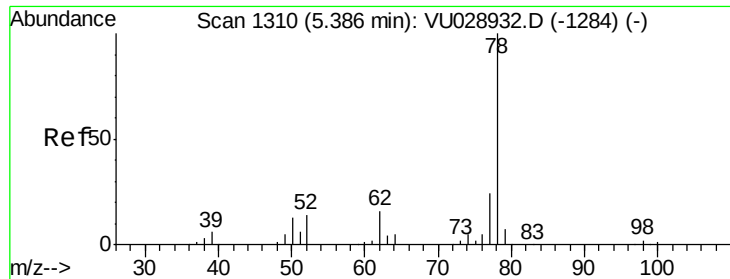


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#33

Benzene

Concen: 4.911 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VU028940.D

Acq: 24 Dec 2018 12:17

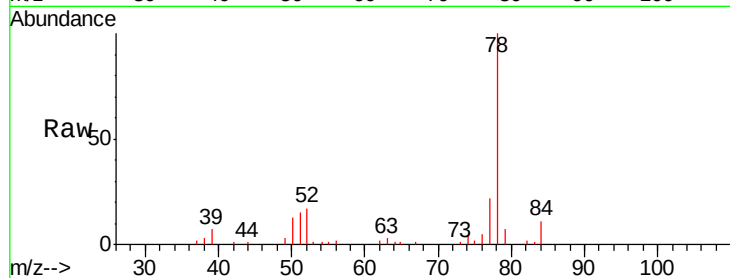
Instrument :

MSVOA_U

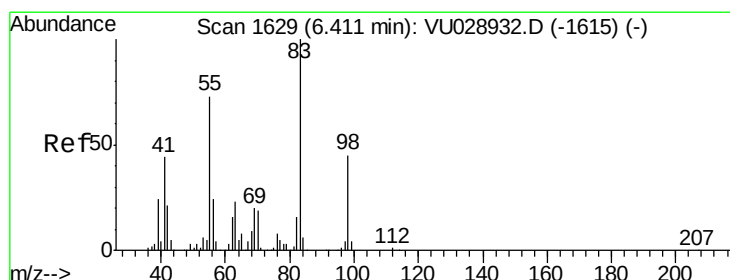
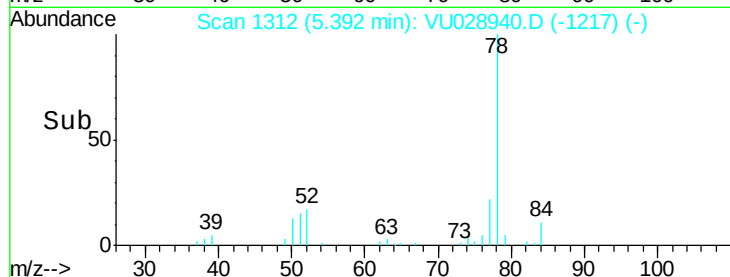
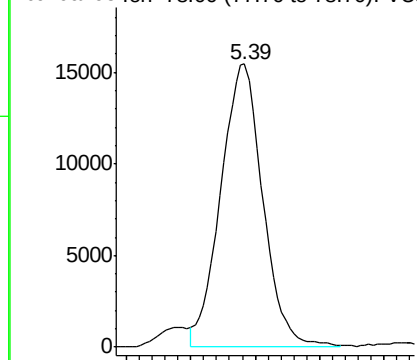
ClientSampleId :

F9F71

Tgt Ion: 78 Resp: 35033



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 21.105 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU028940.D

Acq: 24 Dec 2018 12:17

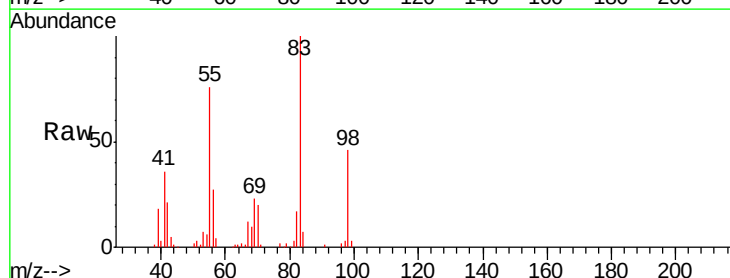
Tgt Ion: 83 Resp: 60543

Ion	Ratio	Lower	Upper
83	100		
55	82.1	63.7	95.5
98	44.8	35.6	53.4

83 100

55 82.1 63.7 95.5

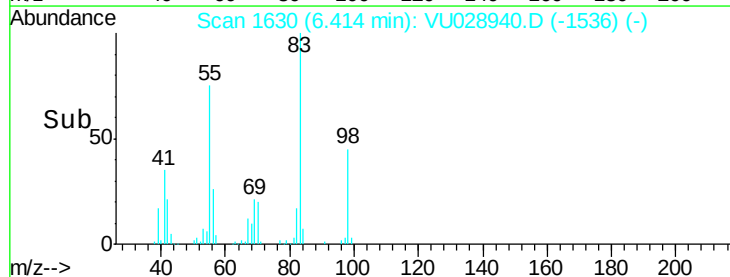
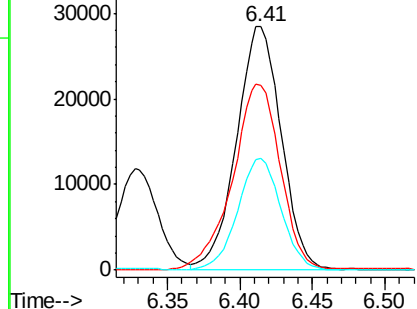
98 44.8 35.6 53.4

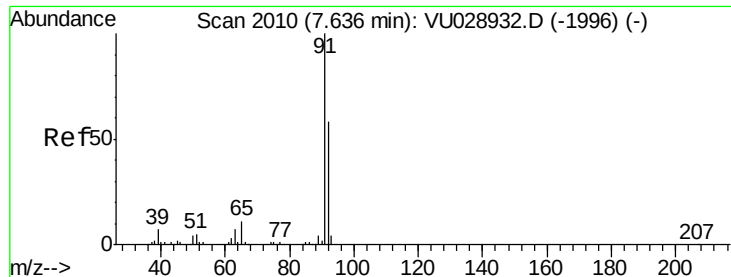


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#42

Toluene

Concen: 4.943 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028940.D

Acq: 24 Dec 2018 12:17

Instrument :

MSVOA_U

ClientSampleId :

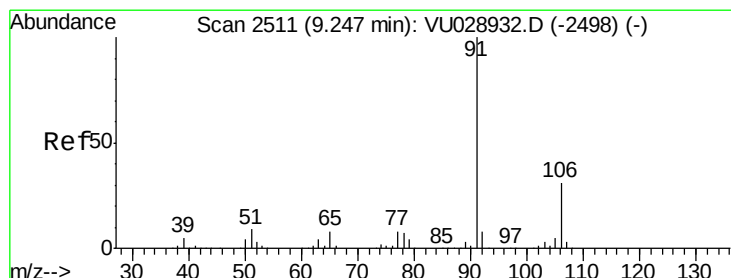
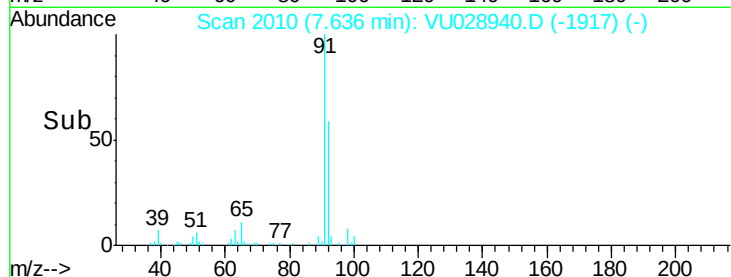
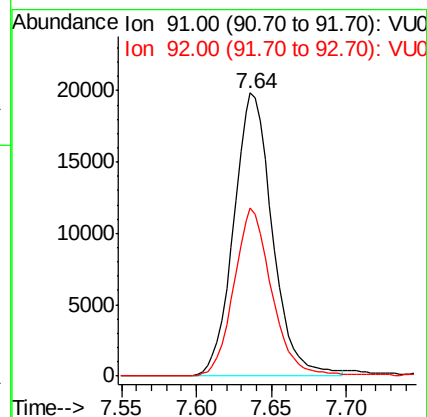
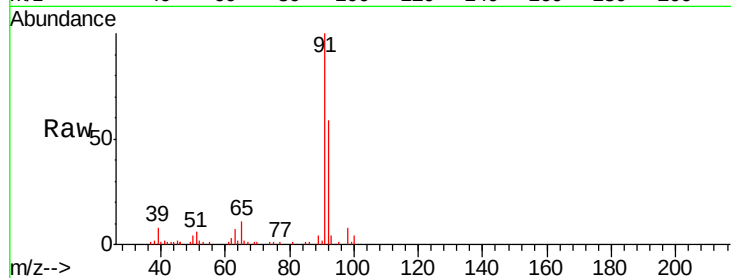
F9F71

Tgt Ion: 91 Resp: 35751

Ion Ratio Lower Upper

91 100

92 59.3 39.9 74.1



#52

Ethylbenzene

Concen: 4.416 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028940.D

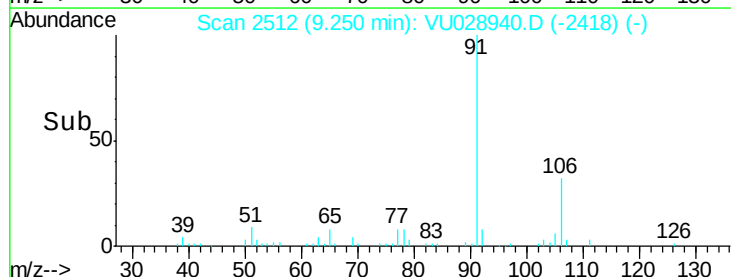
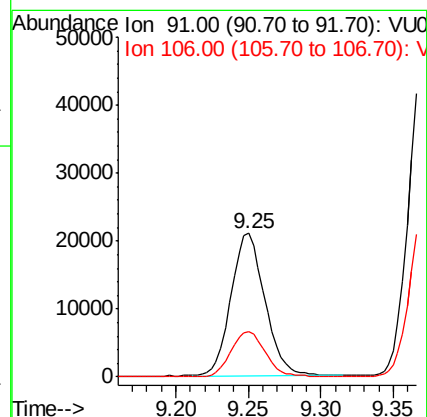
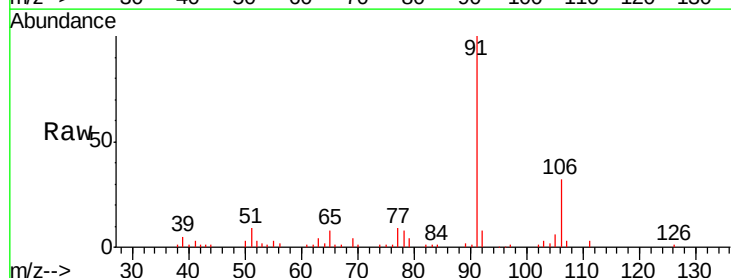
Acq: 24 Dec 2018 12:17

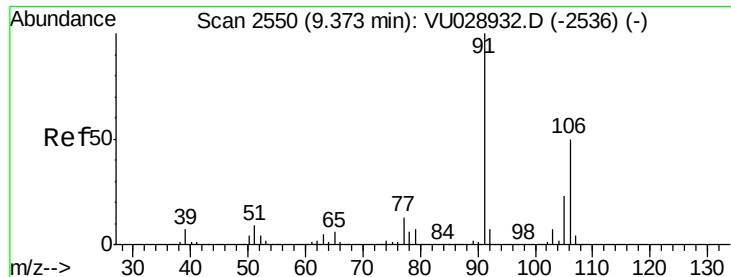
Tgt Ion: 91 Resp: 34317

Ion Ratio Lower Upper

91 100

106 31.7 20.9 38.9





#53

m,p-Xylene

Concen: 16.861 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028940.D

Acq: 24 Dec 2018 12:17

Instrument :

MSVOA_U

ClientSampleId :

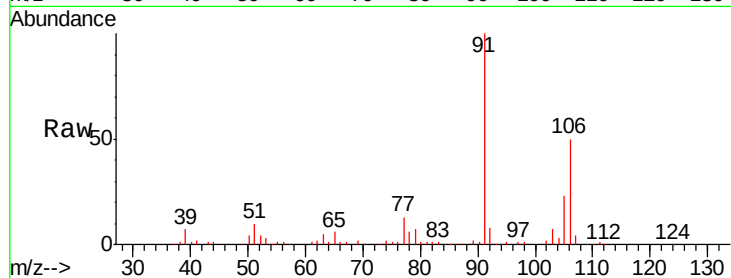
F9F71

Tgt Ion:106 Resp: 48452

Ion Ratio Lower Upper

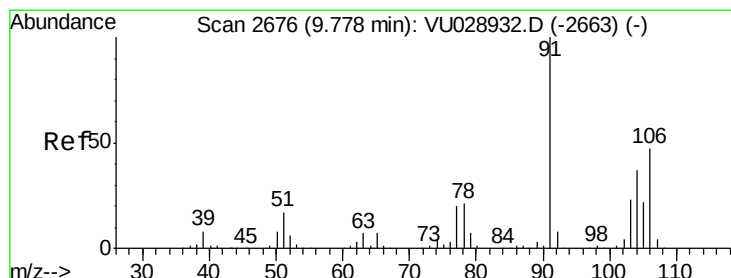
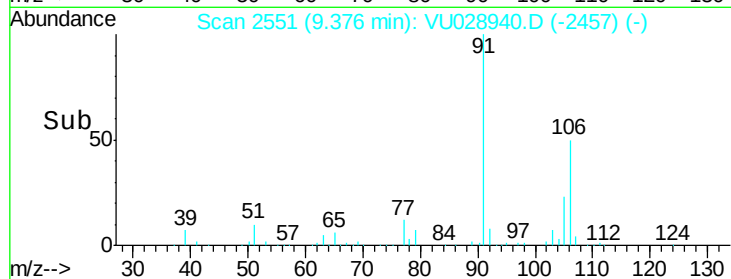
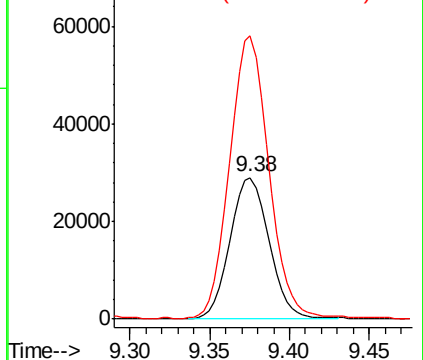
106 100

91 200.1 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 19.676 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028940.D

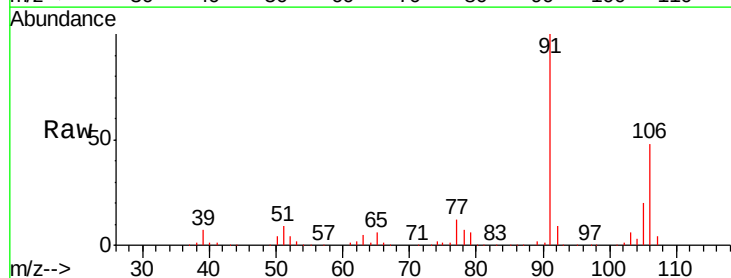
Acq: 24 Dec 2018 12:17

Tgt Ion:106 Resp: 56667

Ion Ratio Lower Upper

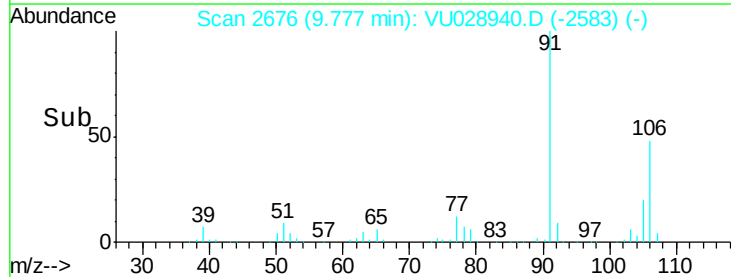
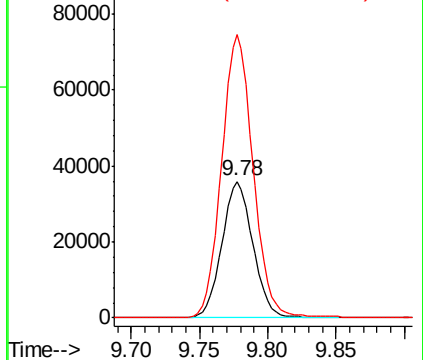
106 100

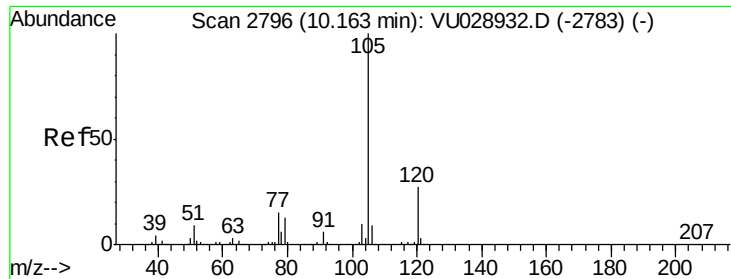
91 207.7 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 3.431 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028940.D

Acq: 24 Dec 2018 12:17

Instrument :

MSVOA_U

ClientSampleId :

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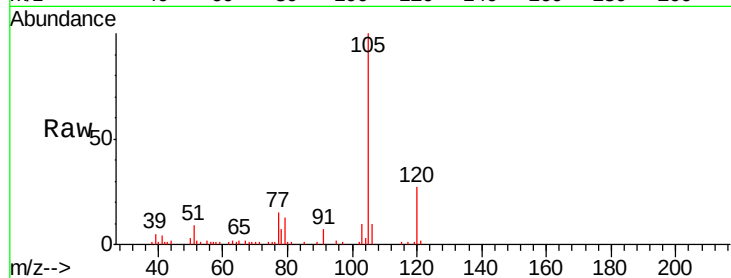
Tgt Ion:105 Resp: 25070

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

77 16.4 12.3 18.5



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): VU0

