

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028877.D
 Acq On : 21 Dec 2018 16:36
 Operator : MD/SY
 Sample : J6513-04DL 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F55DL

Quant Time: Dec 22 01:29:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 23:27:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	193018	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	181448	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	81663	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54502	35.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.44%
7) Chloroethane-d5	1.67	69	46836	39.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.38%
11) 1,1-Dichloroethene-d2	2.27	63	73508	28.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.50%#
21) 2-Butanone-d5	4.18	46	119956	110.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.65%
24) Chloroform-d	4.65	84	107038	43.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.98%
26) 1,2-Dichloroethane-d4	5.31	65	68384	45.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.18%
32) Benzene-d6	5.34	84	226513	44.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.38%
36) 1,2-Dichloropropane-d6	6.33	67	82335	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.56%
41) Toluene-d8	7.57	98	200919	43.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.50%
43) trans-1,3-Dichloropropene-	7.85	79	34648	44.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.80%
47) 2-Hexanone-d5	8.31	63	93243	112.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.74%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	119642	49.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	78937	47.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.58%

Target Compounds

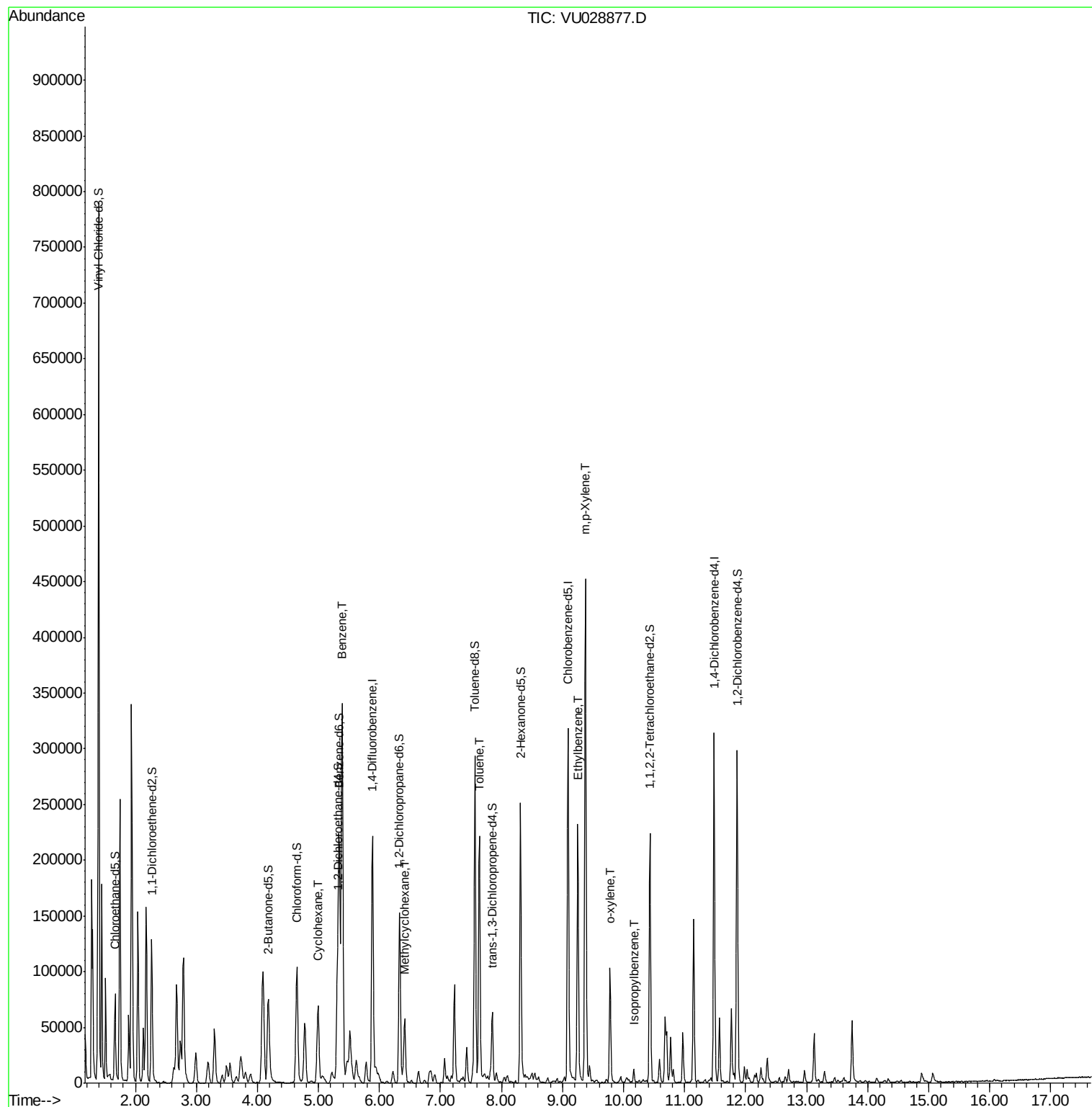
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.99	56	39075	16.180	ug/L	96
33) Benzene	5.39	78	349670	60.532	ug/L	100
35) Methylcyclohexane	6.41	83	23869	10.276	ug/L	94
42) Toluene	7.64	91	165732	28.303	ug/L	98
52) Ethylbenzene	9.25	91	169342	26.914	ug/L	98
53) m,p-Xylene	9.37	106	131445	56.494	ug/L	95
54) o-xylene	9.78	106	29117	12.486	ug/L	98
56) Isopropylbenzene	10.17	105	7803	1.319	ug/L	96

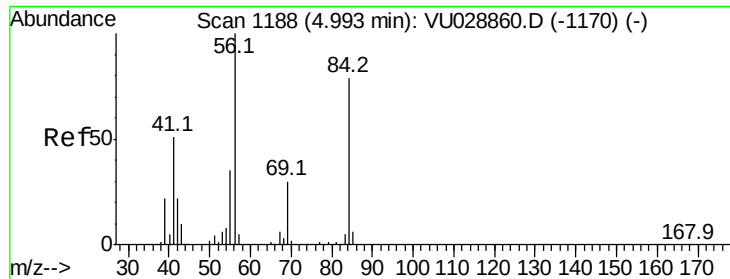
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 21 23:27:40 2018
Response via : Initial Calibration

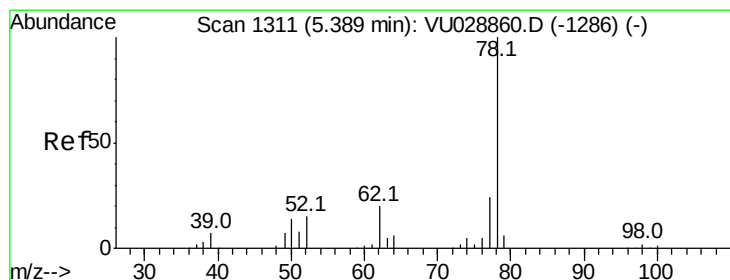
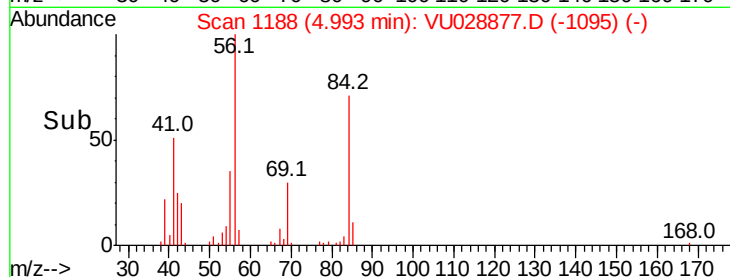
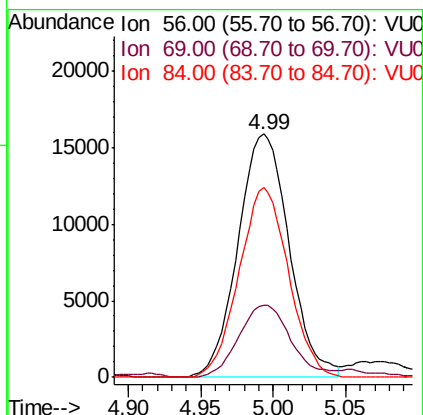
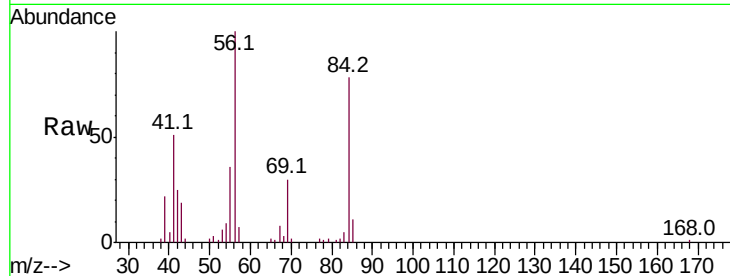




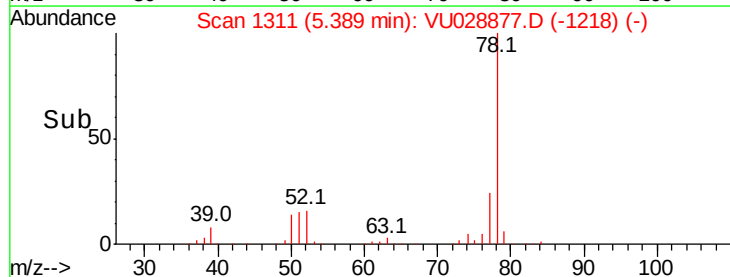
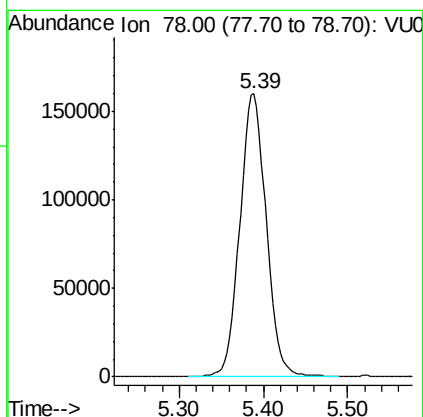
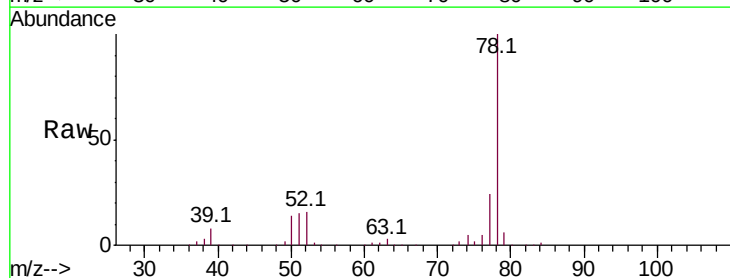
#29
Cyclohexane
Concen: 16.180 ug/L
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028877.D
Acq: 21 Dec 2018 16:36

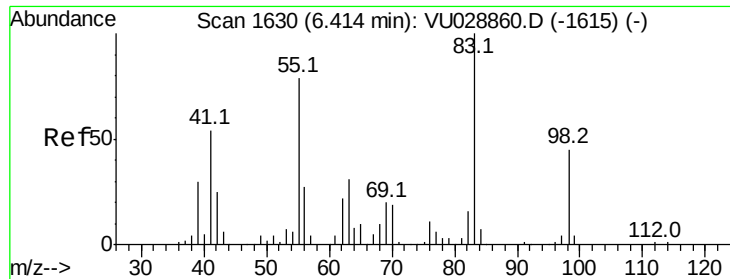
Instrument :
MSVOA_U
ClientSampleId :
F9F55DL

Tot Ion: 56 Resp: 39075
Ion Ratio Lower Upper
56 100
69 30.4 23.8 35.8
84 75.1 63.8 95.8



#33
Benzene
Concen: 60.532 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028877.D
Acq: 21 Dec 2018 16:36
Tgt Ion: 78 Resp: 349670

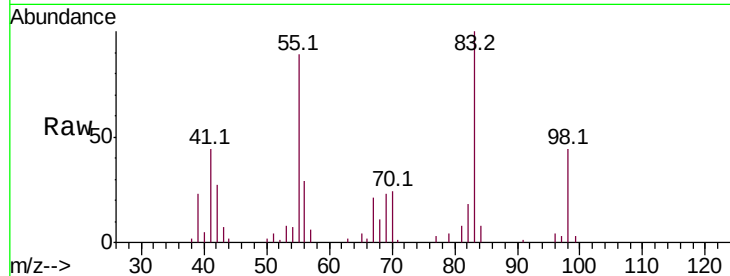




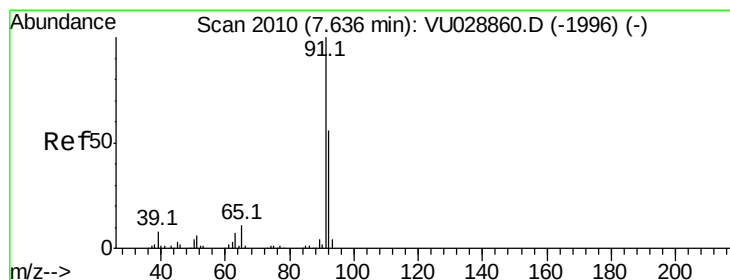
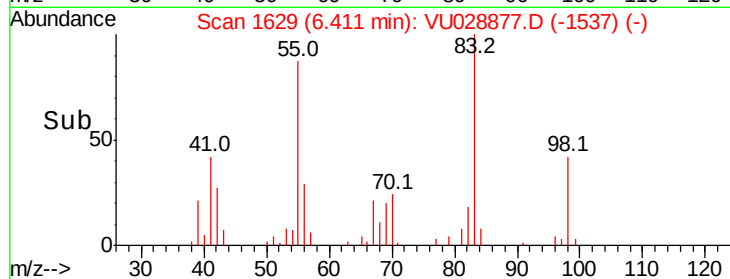
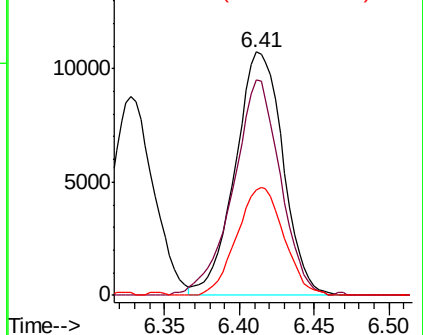
#35
Methylvlcyclohexane
Concen: 10.276 ug/L
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU028877.D
Acq: 21 Dec 2018 16:36

Instrument :
MSVOA_U
ClientSampleId :
F9F55DL

Tot Ion: 83 Resp: 23869
Ion Ratio Lower Upper
83 100
55 87.1 63.7 95.5
98 43.4 35.6 53.4

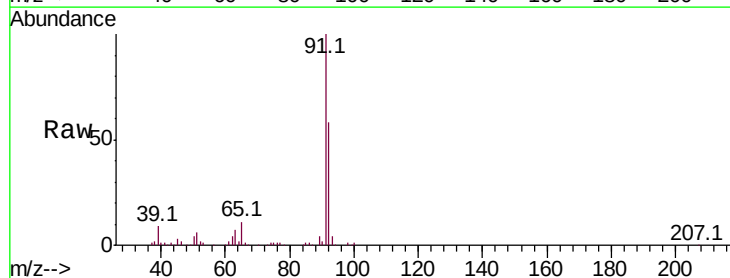


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

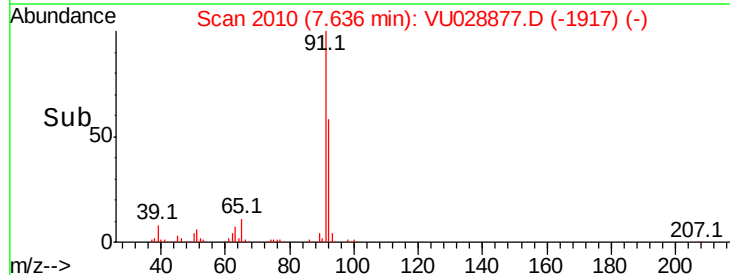
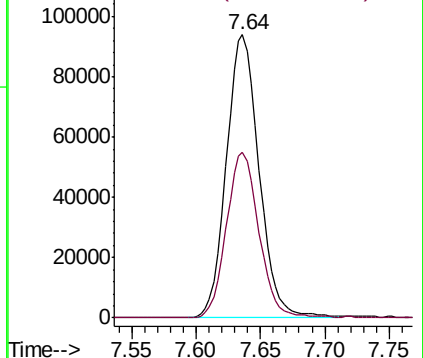


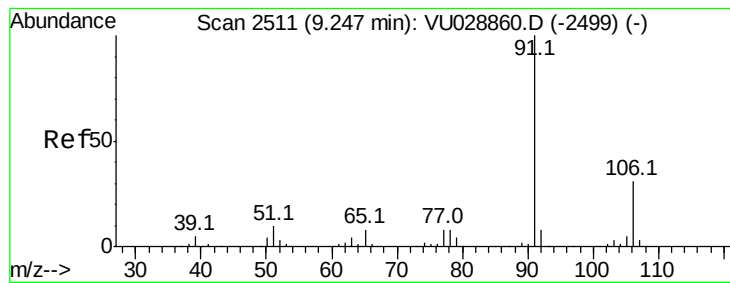
#42
Toluene
Concen: 28.303 ug/L
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028877.D
Acq: 21 Dec 2018 16:36

Tgt Ion: 91 Resp: 165732
Ion Ratio Lower Upper
91 100
92 58.4 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#52

Ethylbenzene

Concen: 26.914 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028877.D

Acq: 21 Dec 2018 16:36

Instrument :

MSVOA_U

ClientSampleId :

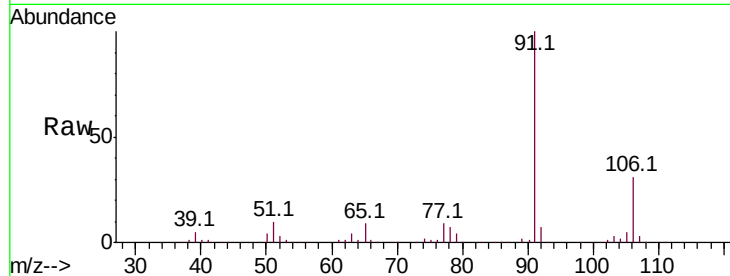
F9F55DL

Tot Ion: 91 Resp: 169342

Ion Ratio Lower Upper

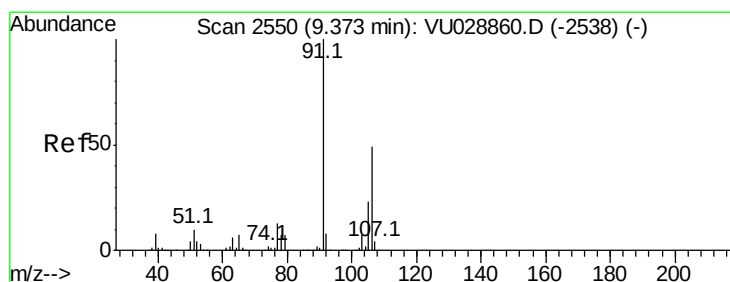
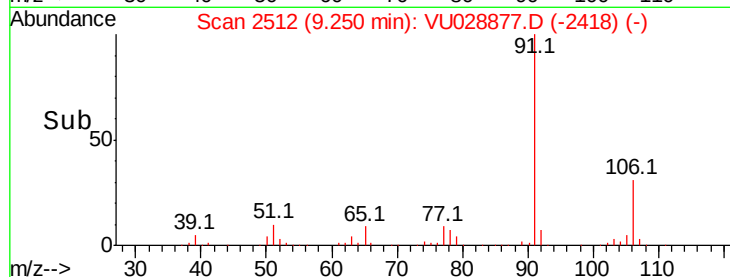
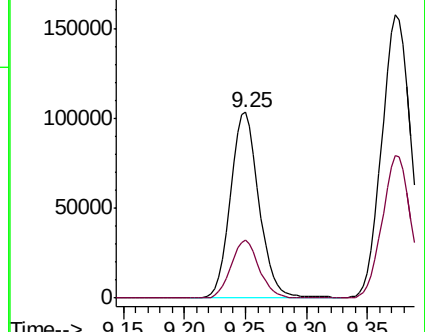
91 100

106 31.2 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU028860.D (-2499) (-)

Ion 106.00 (105.70 to 106.70): VU028860.D (-2499) (-)



#53

m,p-Xylene

Concen: 56.494 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028877.D

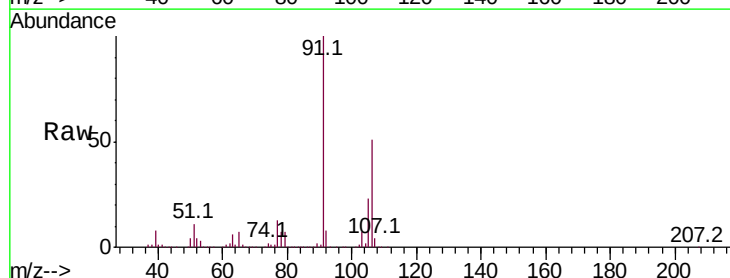
Acq: 21 Dec 2018 16:36

Tgt Ion:106 Resp: 131445

Ion Ratio Lower Upper

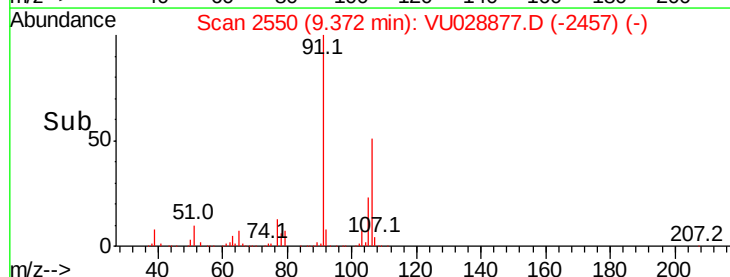
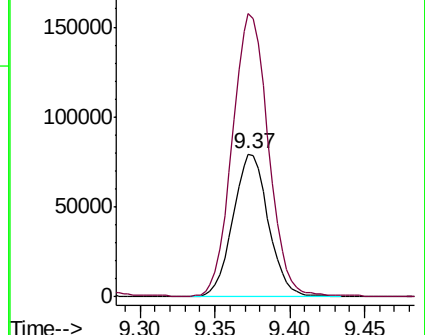
106 100

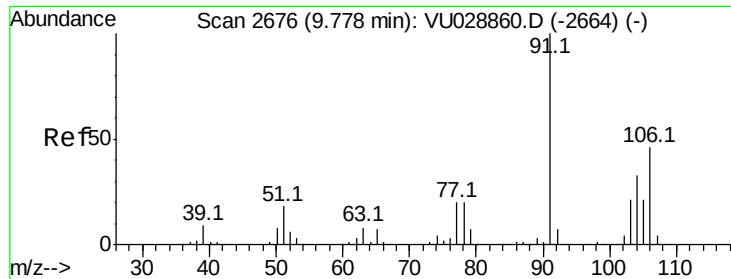
91 198.0 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU028860.D (-2538) (-)

Ion 91.00 (90.70 to 91.70): VU028860.D (-2538) (-)

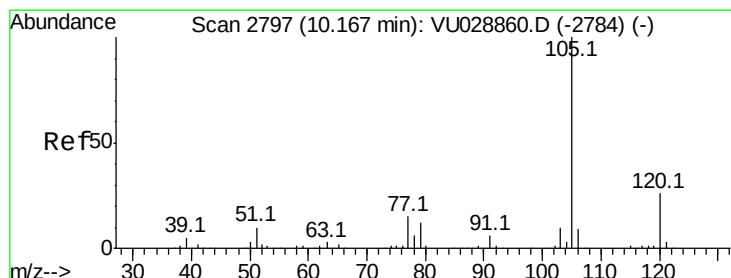
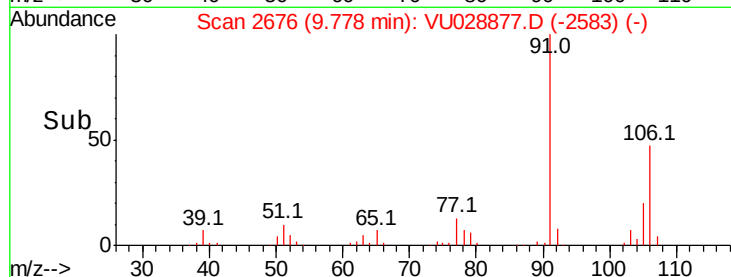
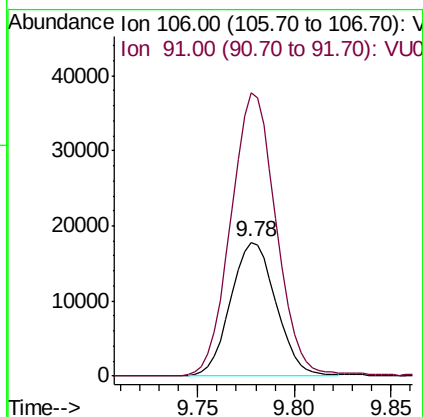
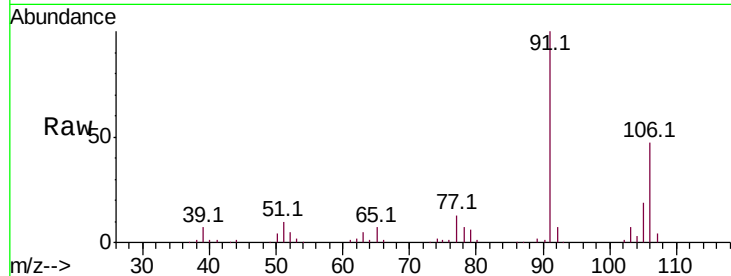




#54
o-xylene
Concen: 12.486 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028877.D
Acq: 21 Dec 2018 16:36

Instrument :
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ClientSampleId :
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Tot Ion:106 Resp: 29117
Ion Ratio Lower Upper
106 100
91 211.8 150.4 279.4



#56
Isopropylbenzene
Concen: 1.319 ug/L
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU028877.D
Acq: 21 Dec 2018 16:36

Tgt Ion:105 Resp: 7803
Ion Ratio Lower Upper
105 100
120 23.4 21.4 32.2
77 15.3 12.3 18.5

