

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
 Data File : VU029635.D
 Acq On : 22 Feb 2019 21:16
 Operator : JC/SP
 Sample : K1581-19
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB629

Quant Time: Feb 22 23:43:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 22 23:08:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	487308	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	484906	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	262998	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	128386	35.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.90%
7) Chloroethane-d5	1.68	69	117550	37.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.06%
11) 1,1-Dichloroethene-d2	2.27	63	182520	26.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.30%#
21) 2-Butanone-d5	4.17	46	239964	110.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.43%
24) Chloroform-d	4.65	84	258995	44.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.44%
26) 1,2-Dichloroethane-d4	5.31	65	167303	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
32) Benzene-d6	5.34	84	545264	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.38%
36) 1,2-Dichloropropane-d6	6.33	67	170366	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.82%
41) Toluene-d8	7.56	98	529696	42.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.08%
43) trans-1,3-Dichloropropene-	7.85	79	82007	42.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.24%
47) 2-Hexanone-d5	8.31	63	212292	103.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299000	48.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	257373	45.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.82%

Target Compounds

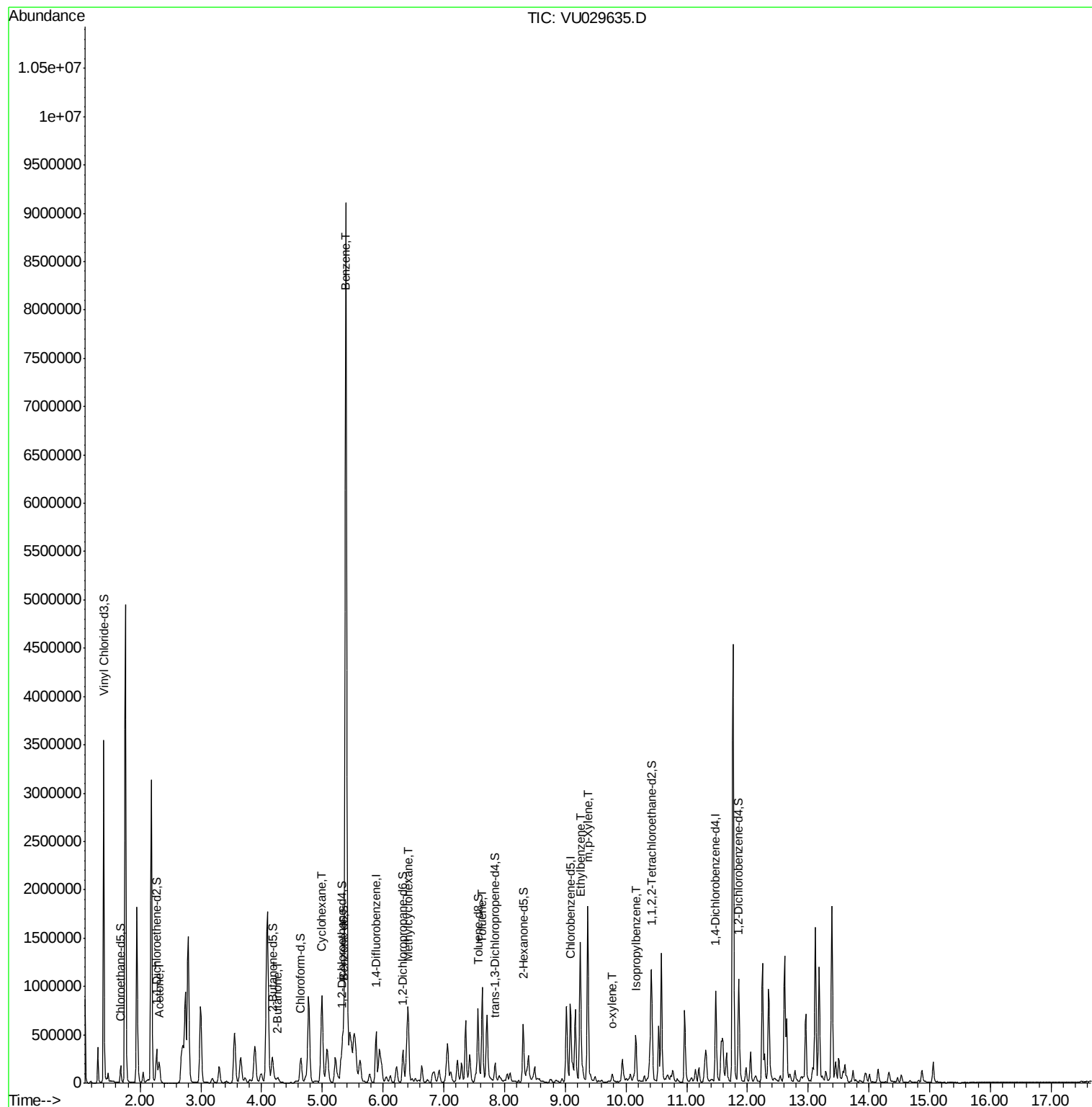
					Ovalue
13) Acetone	2.32	43	200676	86.422	ug/L 90
22) 2-Butanone	4.26	43	72245	27.262	ug/L 99
29) Cyclohexane	4.99	56	469807	97.903	ug/L 96
33) Benzene	5.39	78	9350097	752.083	ug/L 100
35) Methylcyclohexane	6.41	83	354265	63.695	ug/L # 85
42) Toluene	7.63	91	740542	50.369	ug/L 99
52) Ethylbenzene	9.25	91	992418	59.434	ug/L 100
53) m,p-Xylene	9.37	106	556556	83.033	ug/L 99
54) o-xylene	9.78	106	23283	3.458	ug/L 90
56) Isopropylbenzene	10.16	105	310415	17.619	ug/L 99

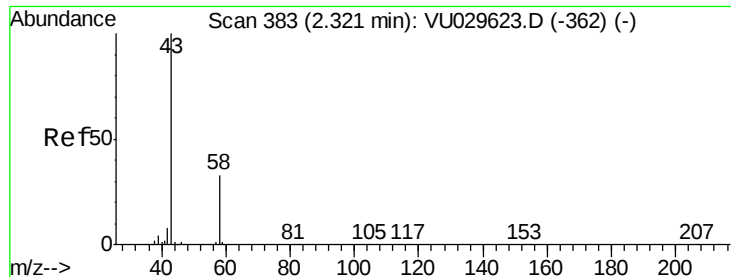
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 86.422 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029635.D

Acq: 22 Feb 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

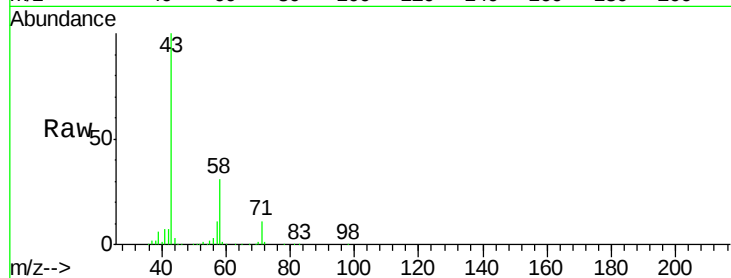
DB629

Tot Ion: 43 Resp: 200676

Ion Ratio Lower Upper

43 100

58 27.8 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

120000

100000

80000

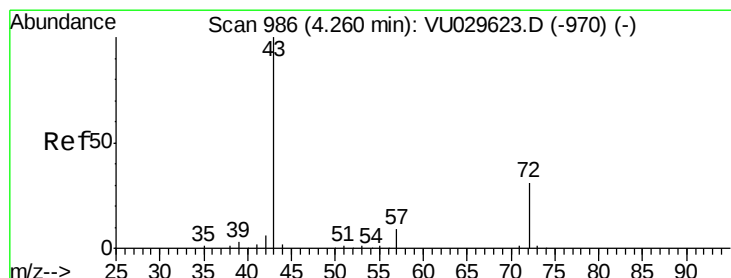
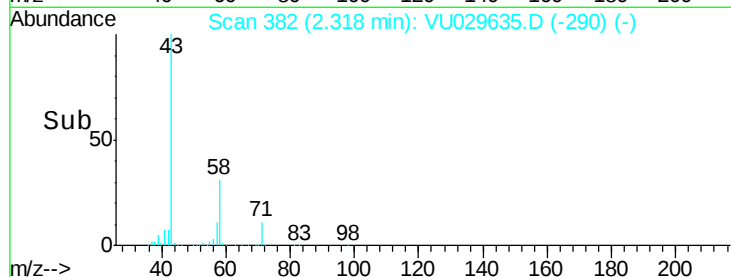
60000

40000

20000

0

Time--> 2.20 2.30 2.40



#22

2-Butanone

Concen: 27.262 ug/L

RT: 4.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VU029635.D

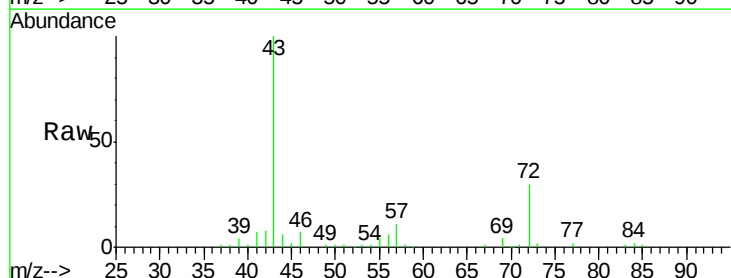
Acq: 22 Feb 2019 21:16

Tgt Ion: 43 Resp: 72245

Ion Ratio Lower Upper

43 100

72 30.8 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

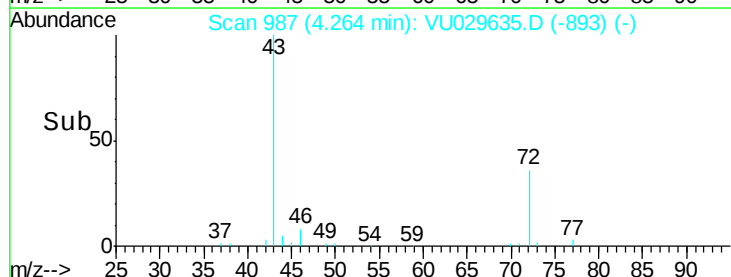
30000

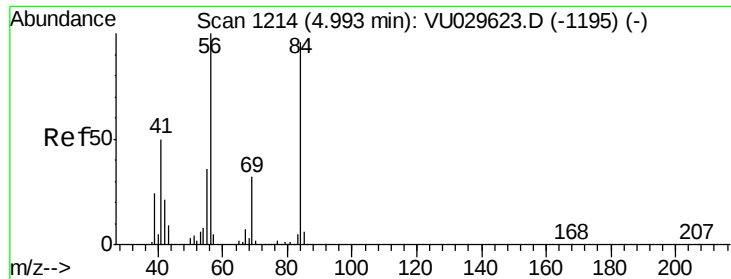
20000

10000

0

Time--> 4.20 4.30 4.40

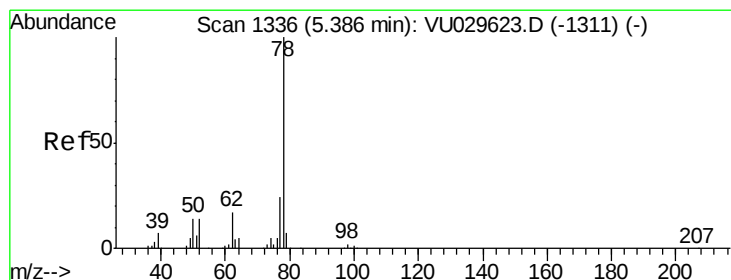
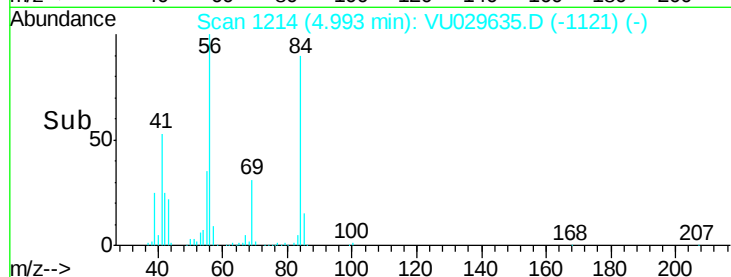
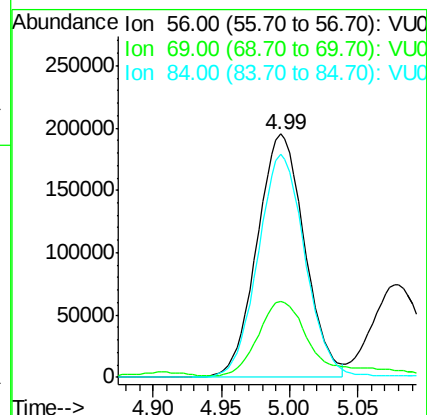
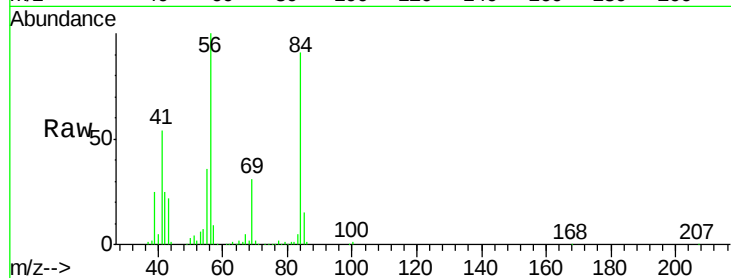




#29
Cyclohexane
Concen: 97.903 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU029635.D
Acq: 22 Feb 2019 21:16

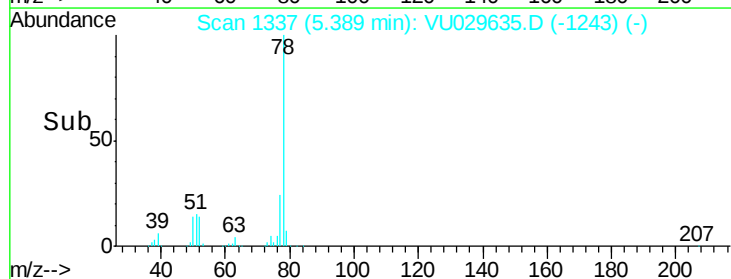
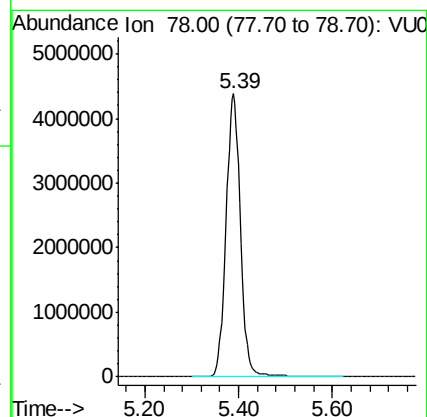
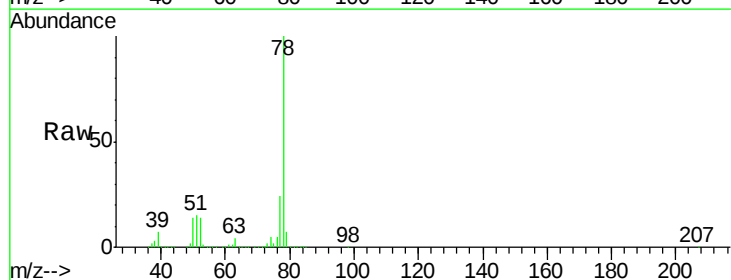
Instrument :
MSVOA_U
ClientSampleID :
DB629

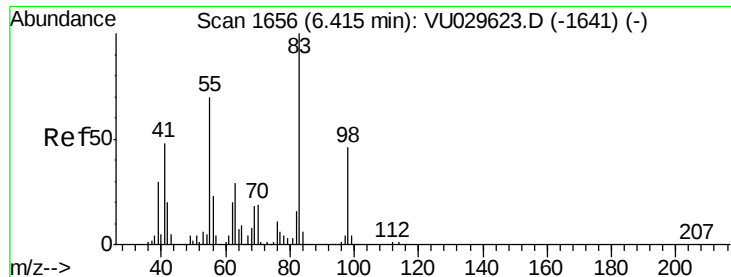
Tot Ion: 56 Resp: 469807
Ion Ratio Lower Upper
56 100
69 32.5 25.7 38.5
84 91.8 77.1 115.7



#33
Benzene
Concen: 752.083 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU029635.D
Acq: 22 Feb 2019 21:16

Tgt Ion: 78 Resp: 9350097

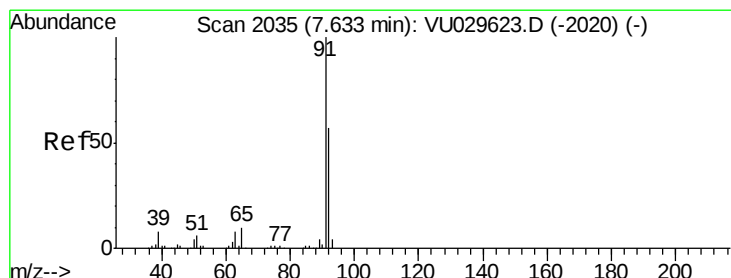
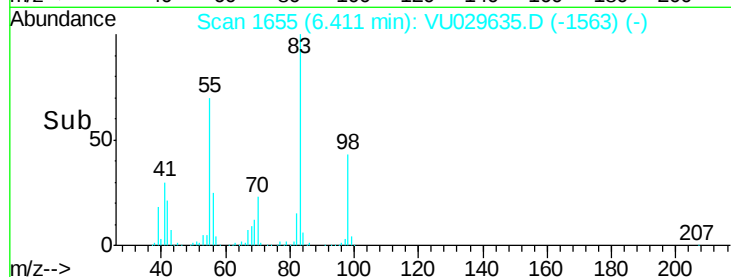
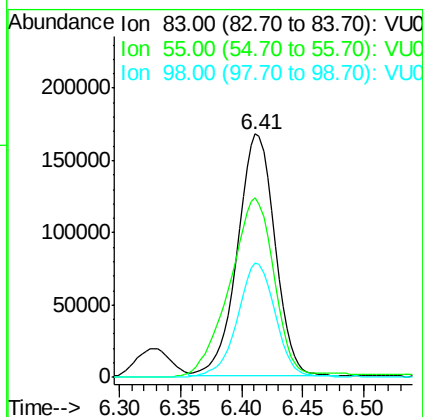
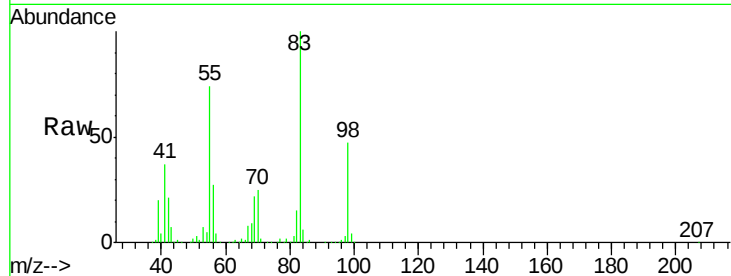




#35
Methvlcvclohexane
Concen: 63.695 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VU029635.D
Acq: 22 Feb 2019 21:16

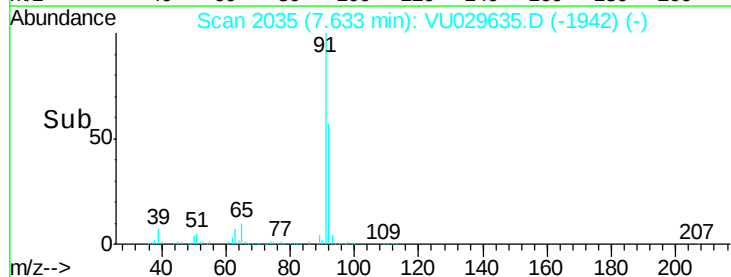
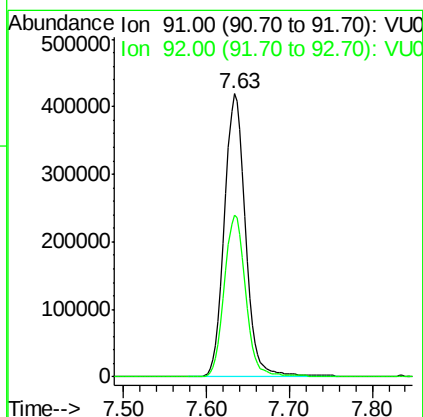
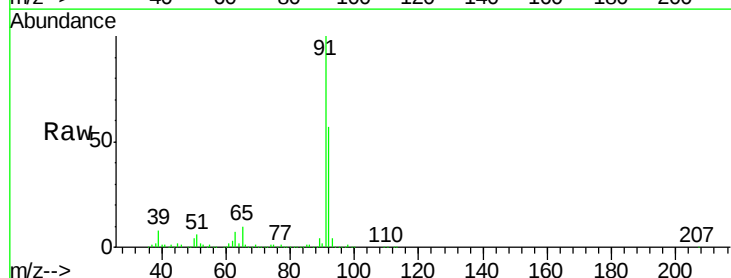
Instrument :
MSVOA_U
ClientSampled :
DB629

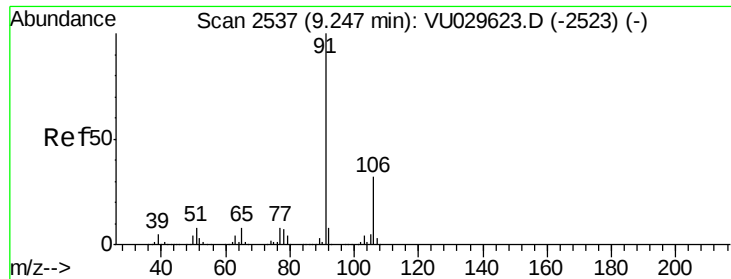
Tot Ion: 83 Resp: 354265
Ion Ratio Lower Upper
83 100
55 87.8 55.2 82.8#
98 47.6 39.4 59.2



#42
Toluene
Concen: 50.369 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU029635.D
Acq: 22 Feb 2019 21:16

Tgt Ion: 91 Resp: 740542
Ion Ratio Lower Upper
91 100
92 57.4 40.8 75.8





#52

Ethylbenzene

Concen: 59.434 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029635.D

Acq: 22 Feb 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

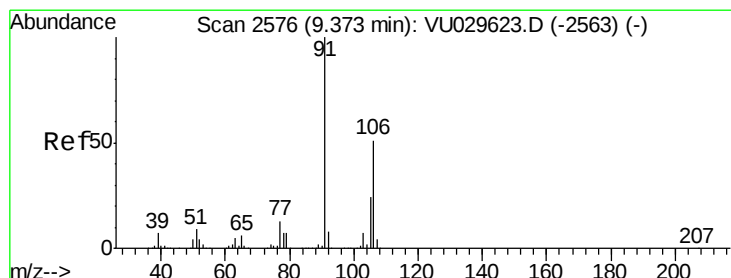
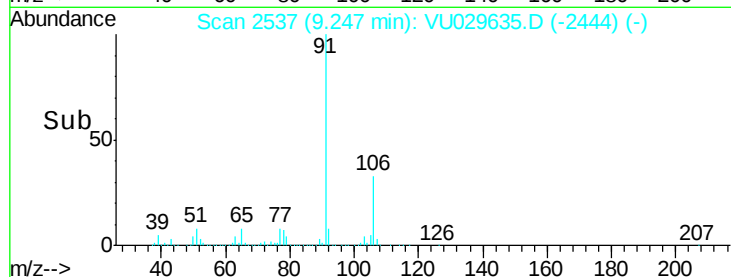
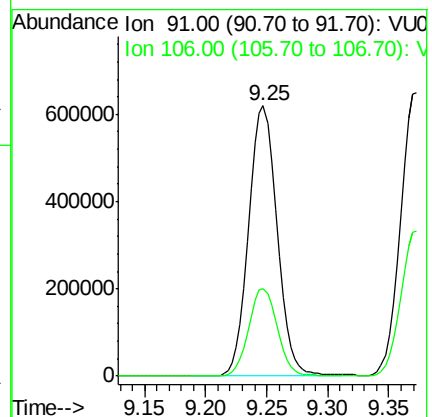
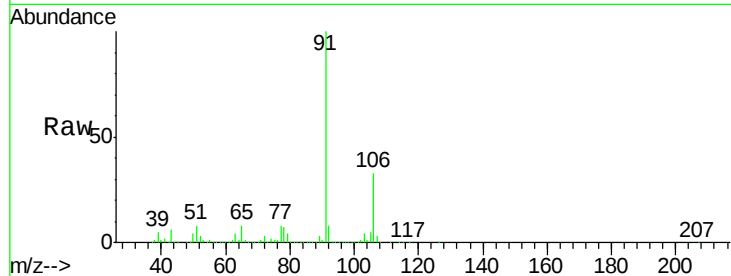
DB629

Tot Ion: 91 Resp: 992418

Ion Ratio Lower Upper

91 100

106 32.6 22.7 42.1



#53

m,p-Xylene

Concen: 83.033 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029635.D

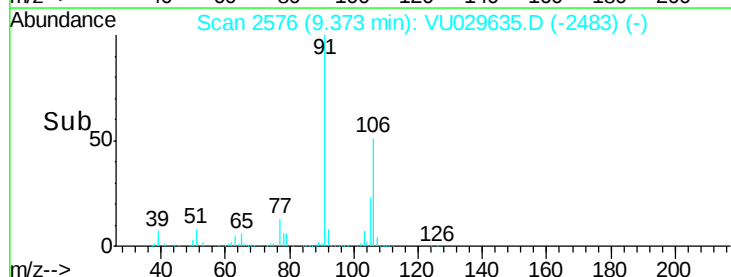
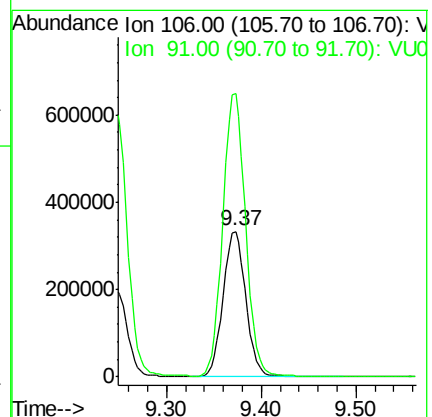
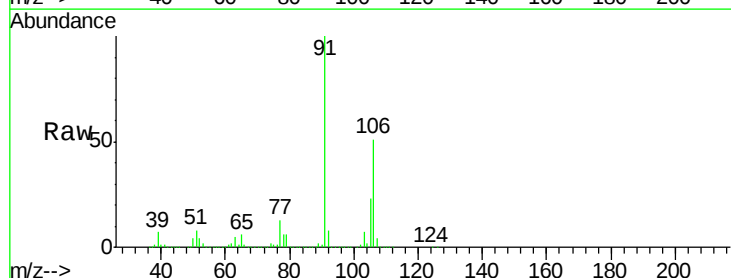
Acq: 22 Feb 2019 21:16

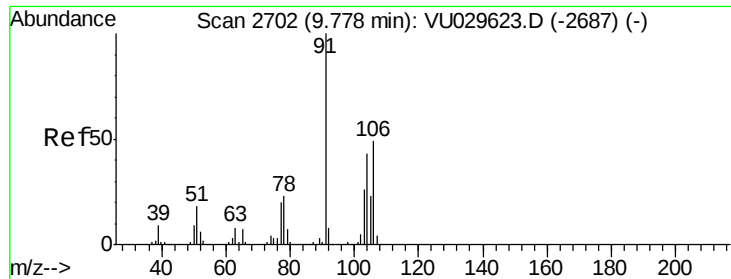
Tgt Ion: 106 Resp: 556556

Ion Ratio Lower Upper

106 100

91 194.5 135.3 251.3





#54

o-xylene

Concen: 3.458 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029635.D

Acq: 22 Feb 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

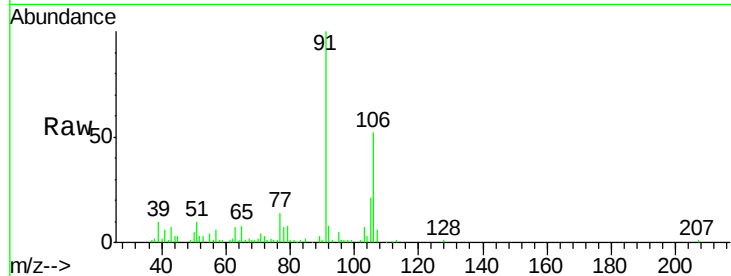
DB629

Tot Ion:106 Resp: 23283

Ion Ratio Lower Upper

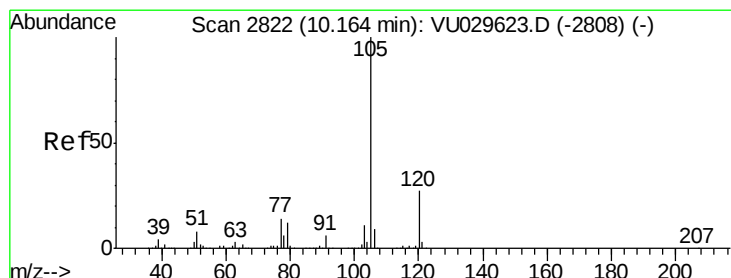
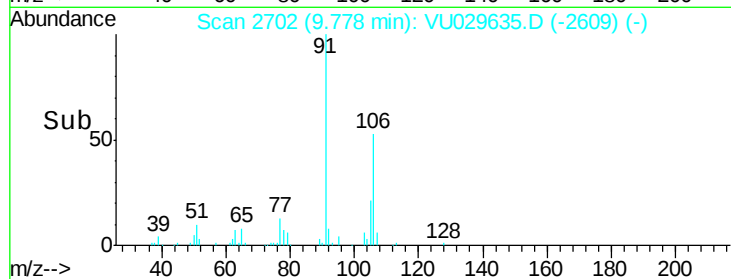
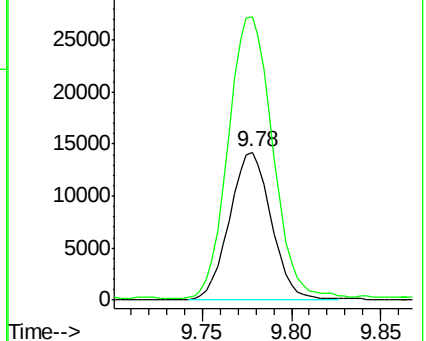
106 100

91 191.5 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 17.619 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029635.D

Acq: 22 Feb 2019 21:16

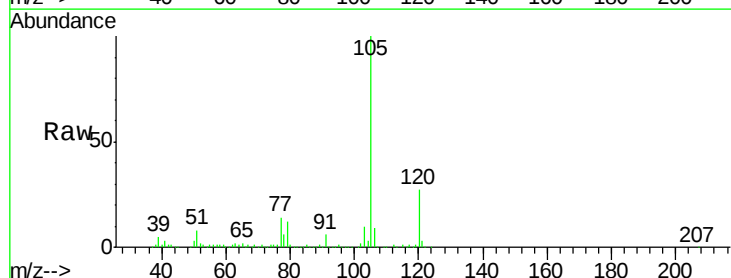
Tgt Ion:105 Resp: 310415

Ion Ratio Lower Upper

105 100

120 26.8 21.9 32.9

77 14.7 11.7 17.5



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

