

Data File : VU036432.D
Acq On : 10 Jan 2020 16:53
Operator : JC/MD
Sample : L1090-04MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETOQ1MS

Quant Time: Jan 10 23:00:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 10 22:57:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	472906	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	455175	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	172791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	122450	33.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.46%
7) Chloroethane-d5	1.93	69	121197	38.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.98%
11) 1,1-Dichloroethene-d2	2.59	63	258568	41.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.38%
21) 2-Butanone-d5	4.68	46	287804	104.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.88%
24) Chloroform-d	5.11	84	311334	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.82%
26) 1,2-Dichloroethane-d4	5.75	65	217599	51.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.06%
32) Benzene-d6	5.77	84	610363	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.34%
36) 1,2-Dichloropropane-d6	6.73	67	204261	48.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.12%
41) Toluene-d8	7.93	98	564483	46.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.21	79	102356	44.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.76%
47) 2-Hexanone-d5	8.67	63	208459	95.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.10%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	311475	48.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.64%
64) 1,2-Dichlorobenzene-d4	12.22	152	171936	47.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.88%

Target Compounds

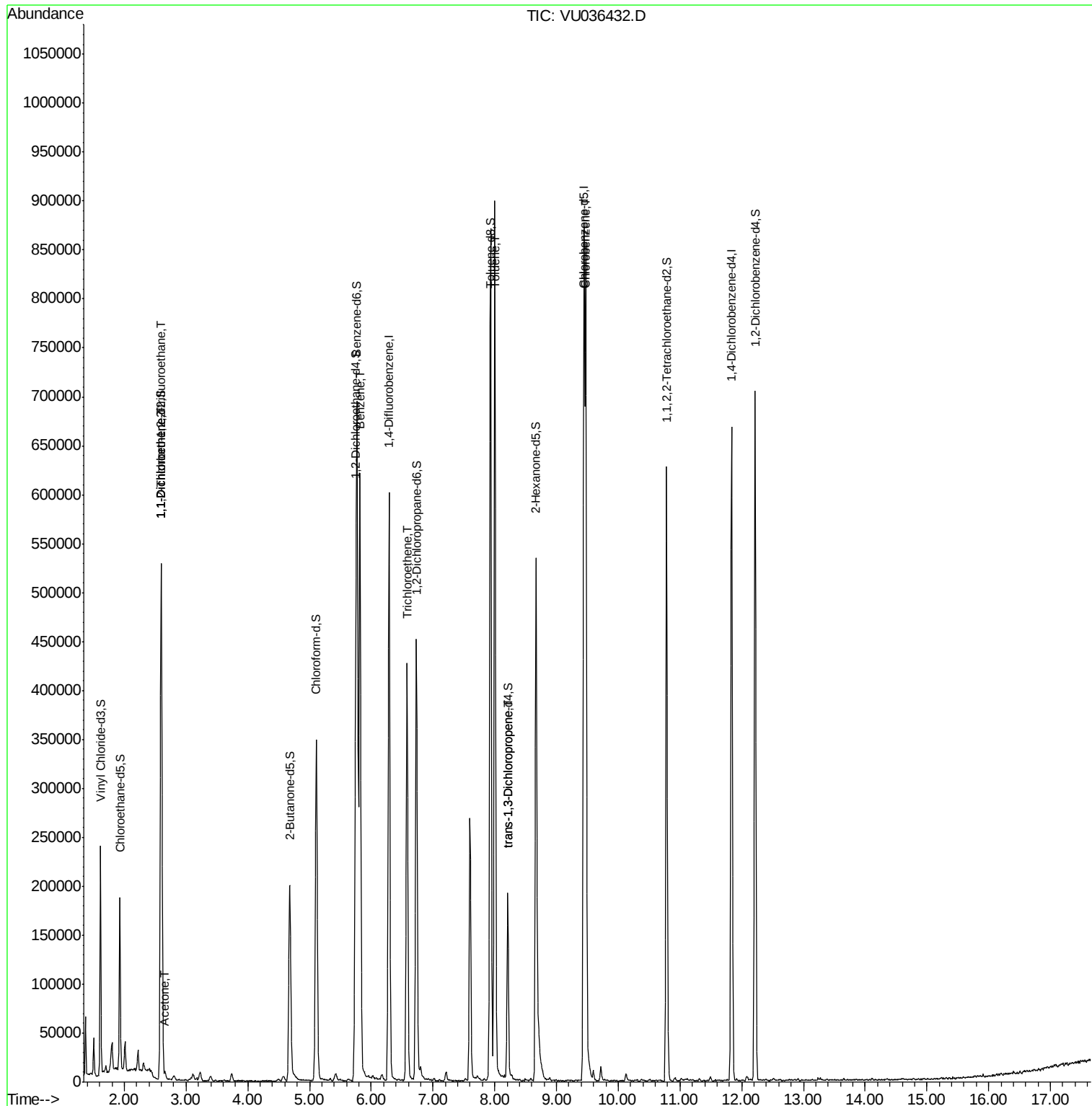
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2098	0.756 ug/L #	22
12) 1,1-Dichloroethene	2.60	96	101099	36.944 ug/L #	72
13) Acetone	2.66	43	7061	2.481 ug/L	99
33) Benzene	5.82	78	575189	43.018 ug/L	100
34) Trichloroethene	6.58	95	144277	41.854 ug/L	96
42) Toluene	8.00	91	634718	43.109 ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	5679	1.006 ug/L	84
51) Chlorobenzene	9.47	112	421492	45.355 ug/L	98

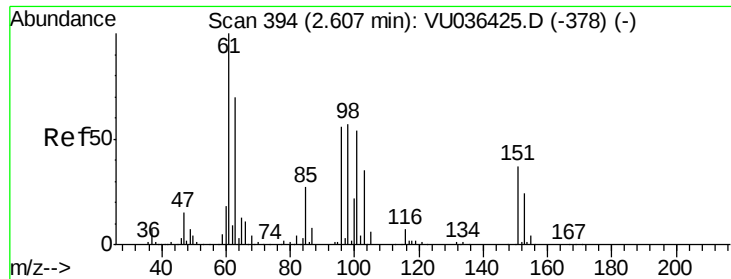
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.756 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU036432.D

Acq: 10 Jan 2020 16:53

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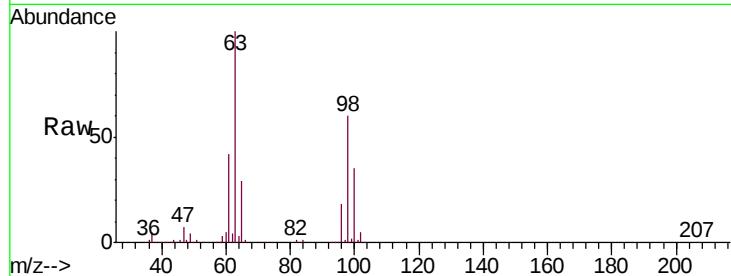
Tgt Ion: 101 Resp: 2098

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

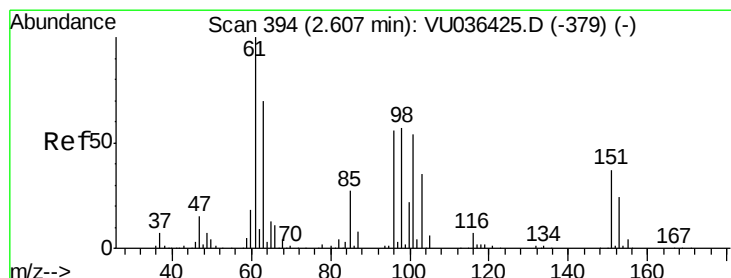
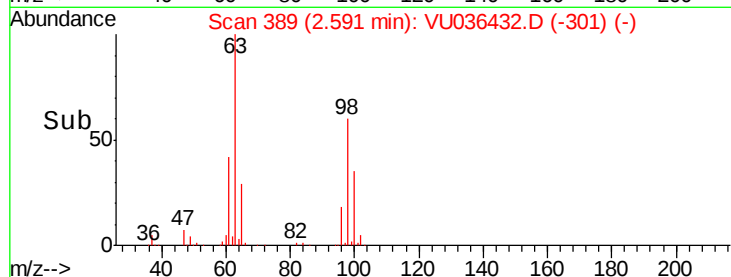
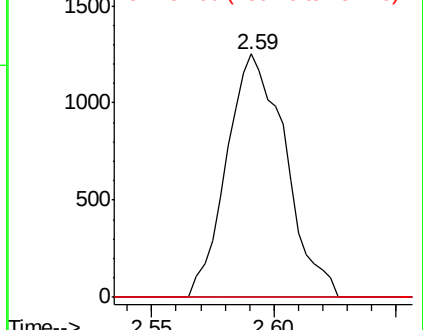
151 0.0 54.3 81.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 36.944 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036432.D

Acq: 10 Jan 2020 16:53

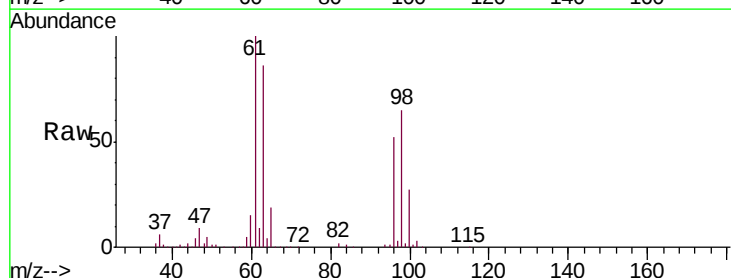
Tgt Ion: 96 Resp: 101099

Ion Ratio Lower Upper

96 100

61 193.9 120.9 224.5

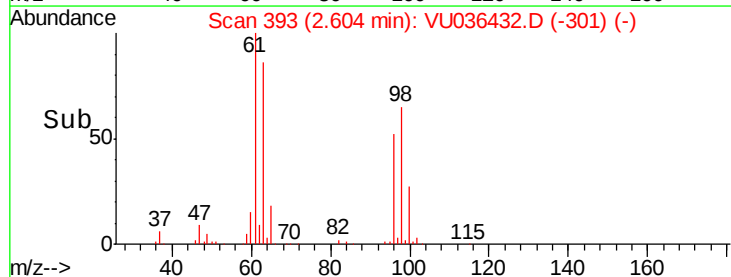
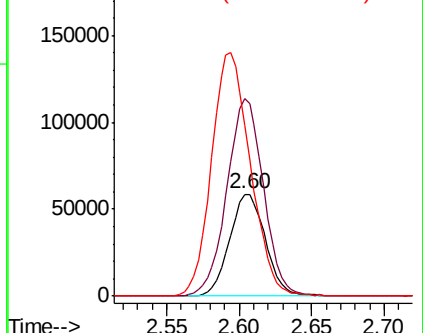
63 167.7 81.8 152.0#

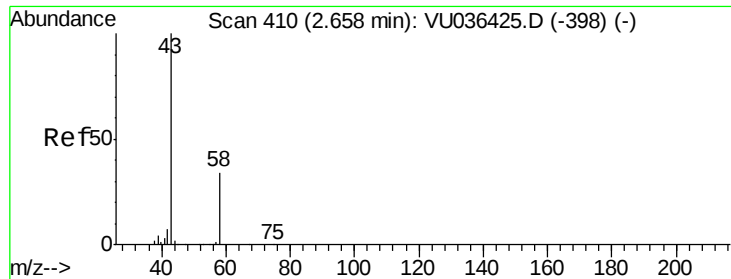


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.481 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

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ClientSampleId :

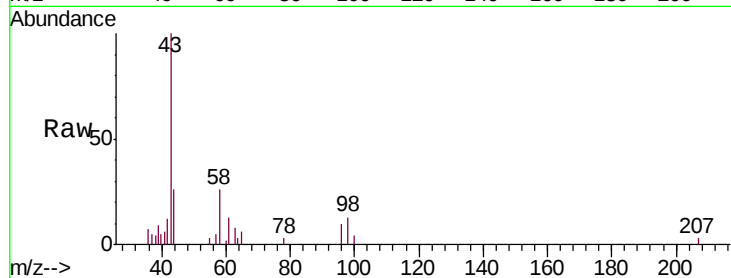
ETOQ1MS

Tgt Ion: 43 Resp: 7061

Ion Ratio Lower Upper

43 100

58 32.4 0.0 66.2

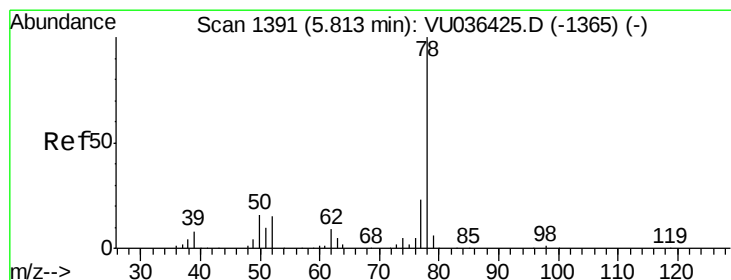
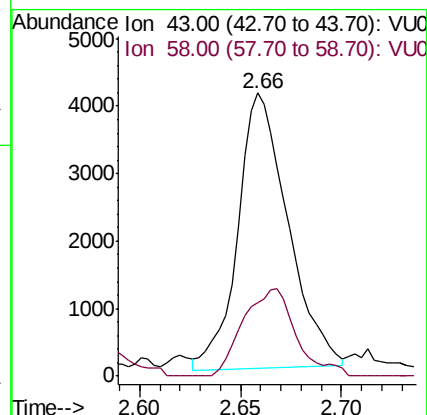
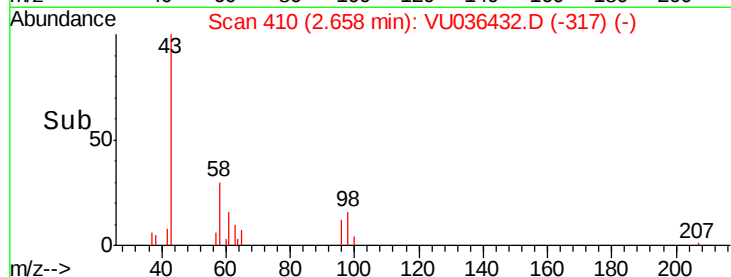


Abundance Ion 43.00 (42.70 to 43.70): VU036425.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036425.D (-398) (-)

2.66

Time-->



#33

Benzene

Concen: 43.018 ug/L

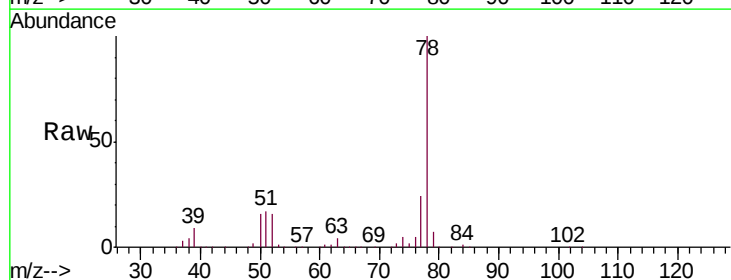
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036432.D

Acq: 10 Jan 2020 16:53

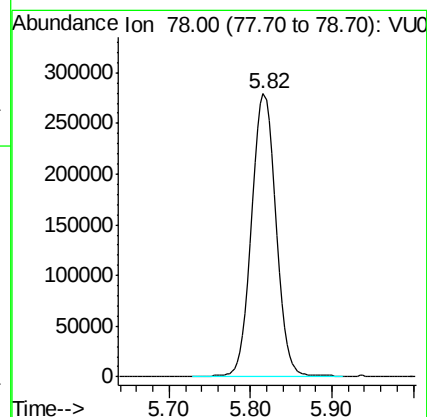
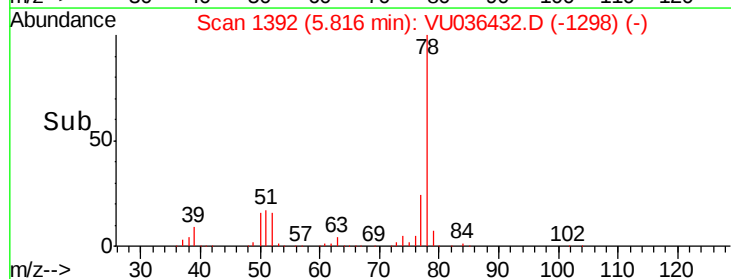
Tgt Ion: 78 Resp: 575189

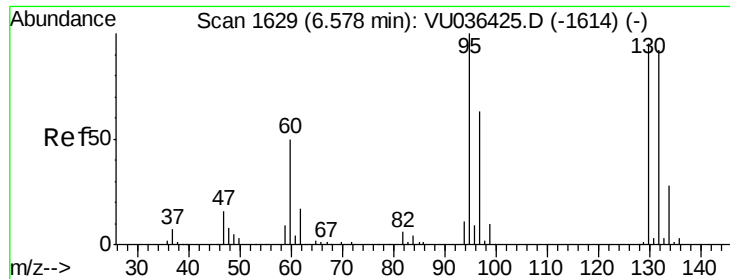


Abundance Ion 78.00 (77.70 to 78.70): VU036425.D (-1365) (-)

5.82

Time-->

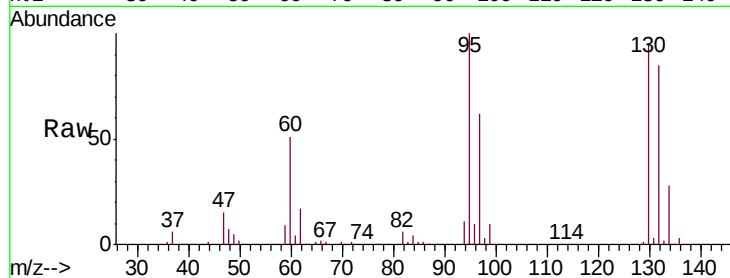




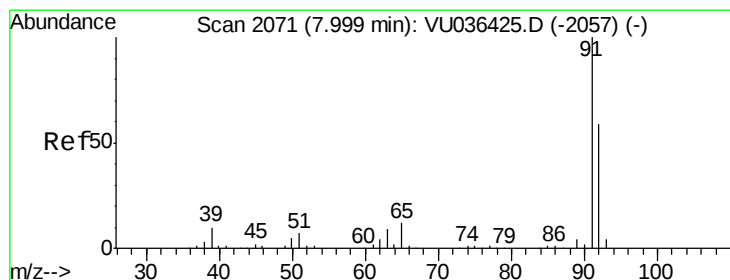
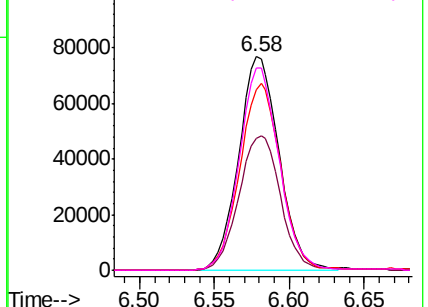
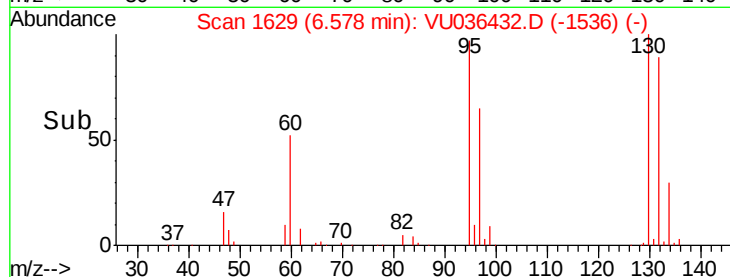
#34
 Trichloroethene
 Concen: 41.854 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036432.D
 Acq: 10 Jan 2020 16:53

Instrument :
 MSVOA_U
 ClientSampleId :
 ETOQ1MS

Tgt Ion: 95 Resp: 144277
 Ion Ratio Lower Upper
 95 100
 97 61.6 44.5 82.7
 132 84.7 64.5 119.9
 130 94.8 66.6 123.8

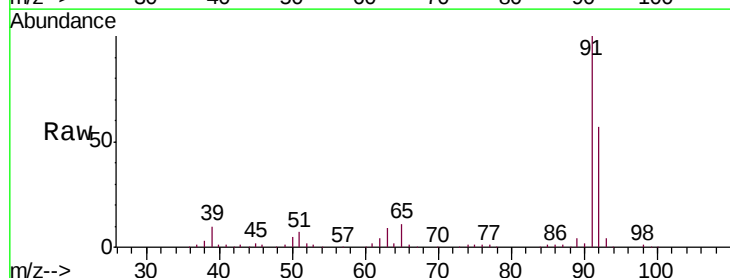


Abundance Ion 95.00 (94.70 to 95.70): VU0
 120000
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

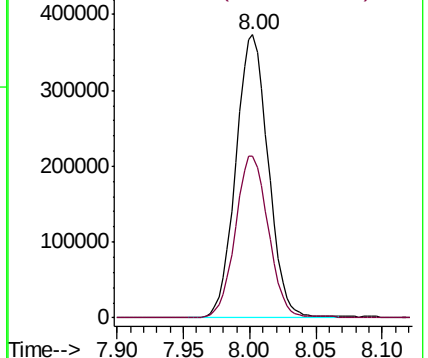
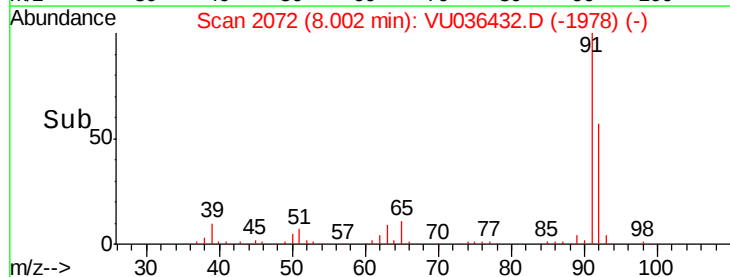


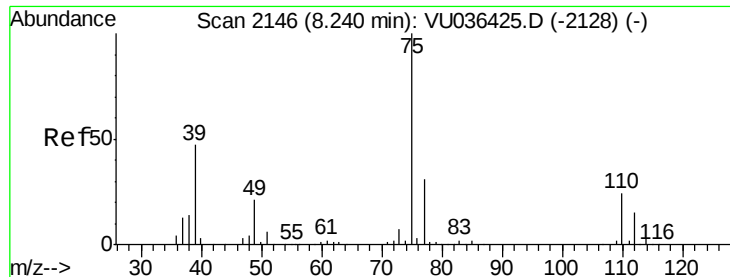
#42
 Toluene
 Concen: 43.109 ug/L
 RT: 8.00 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VU036432.D
 Acq: 10 Jan 2020 16:53

Tgt Ion: 91 Resp: 634718
 Ion Ratio Lower Upper
 91 100
 92 57.0 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
 400000
 Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 1.006 ug/L

RT: 8.21 min Scan# 2137

Delta R.T. -0.03 min

Lab File: VU036432.D

Acq: 10 Jan 2020 16:53

Instrument :

MSVOA_U

ClientSampleId :

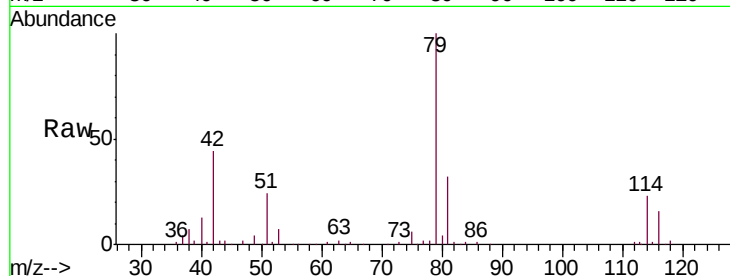
ETOQ1MS

Tgt Ion: 75 Resp: 5679

Ion Ratio Lower Upper

75 100

77 41.0 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU036432.D (-2053) (-)

Ion 77.00 (76.70 to 77.70): VU036432.D (-2053) (-)

8.21

3000

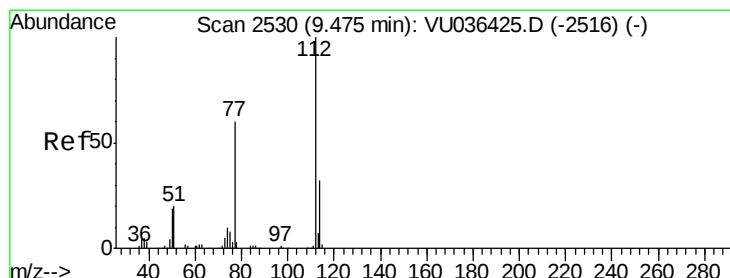
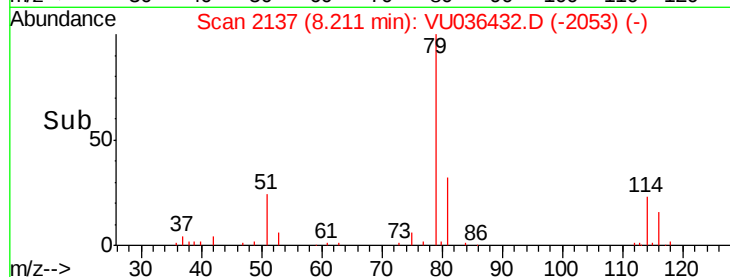
2000

1000

0

8.15 8.20 8.25

Time-->



#51

Chlorobenzene

Concen: 45.355 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036432.D

Acq: 10 Jan 2020 16:53

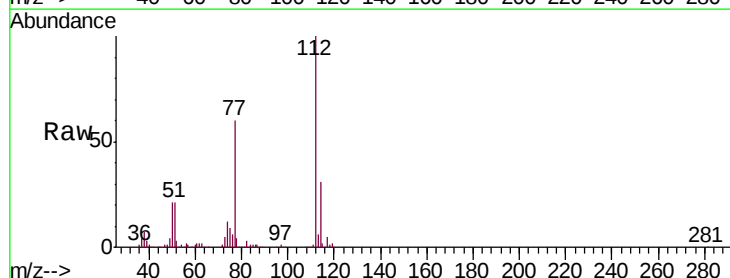
Tgt Ion: 112 Resp: 421492

Ion Ratio Lower Upper

112 100

114 30.7 22.5 41.7

77 60.1 48.7 73.1



Abundance Ion 112.00 (111.70 to 112.70): VU036432.D (-2437) (-)

Ion 114.00 (113.70 to 114.70): VU036432.D (-2437) (-)

Ion 77.00 (76.70 to 77.70): VU036432.D (-2437) (-)

9.47

300000

200000

100000

0

9.40 9.45 9.50 9.55

Time-->

