

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082518\
 Data File : VU026366.D
 Acq On : 25 Aug 2018 13:20
 Operator : MD/SY
 Sample : J4644-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETOL8MS

Quant Time: Aug 27 01:31:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 04:25:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	323502	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	322293	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	155021	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	99685	50.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.04%
7) Chloroethane-d5	1.68	69	80208	49.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.70%
11) 1,1-Dichloroethene-d2	2.27	63	197498	50.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.84%
21) 2-Butanone-d5	4.18	46	142839	90.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.70%
24) Chloroform-d	4.65	84	205972	46.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.66%
26) 1,2-Dichloroethane-d4	5.31	65	136821	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.60%
32) Benzene-d6	5.35	84	401429	46.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.12%
36) 1,2-Dichloropropane-d6	6.33	67	129927	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.86%
41) Toluene-d8	7.57	98	370662	44.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.96%
43) trans-1,3-Dichloropropene-	7.85	79	64277	44.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.88%
47) 2-Hexanone-d5	8.31	63	107107	90.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	179591	43.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	161450	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%

Target Compounds

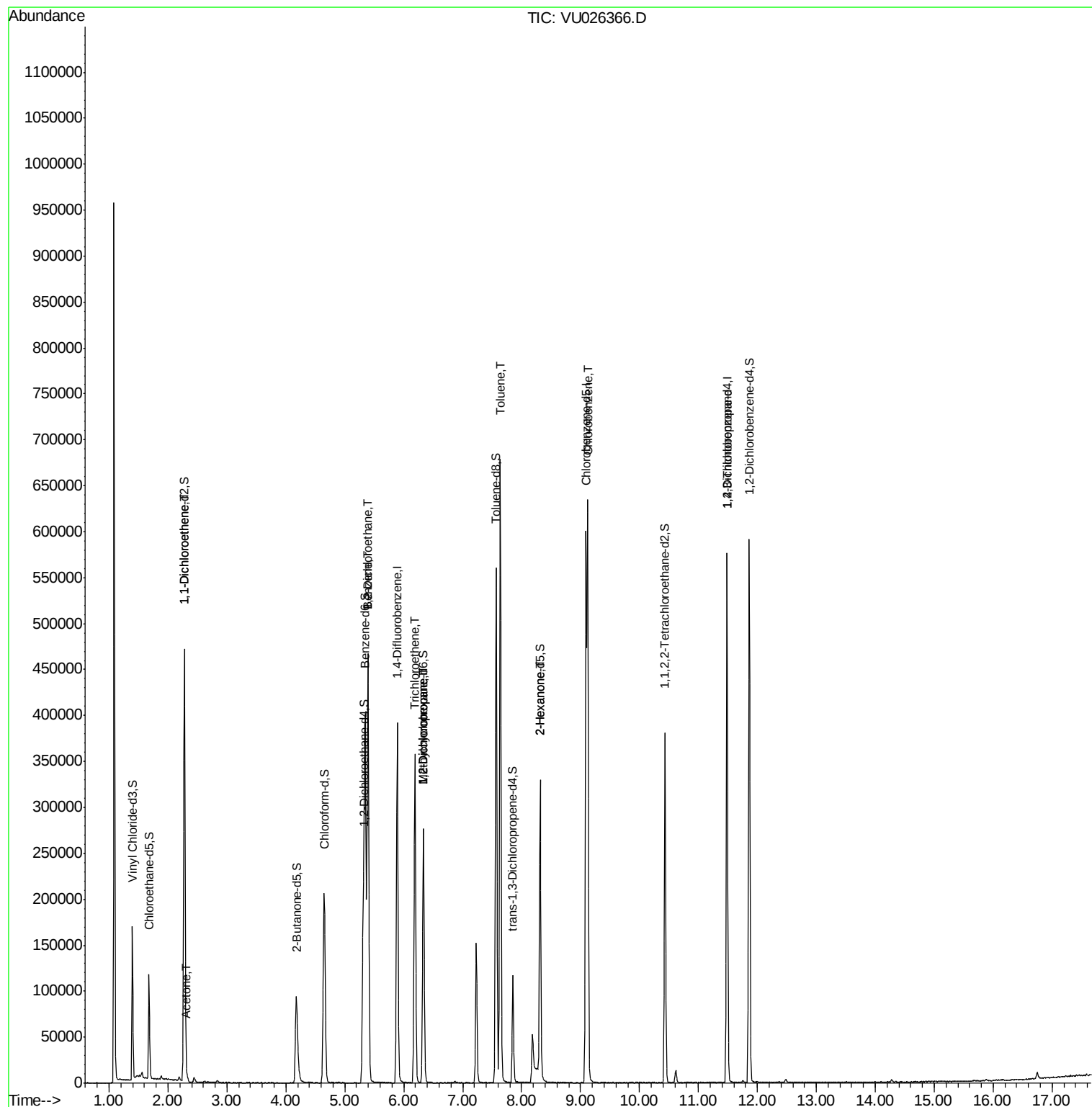
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	94805	55.68	ug/L	91
13) Acetone	2.32	43	4316	3.54	ug/L	94
27) 1,2-Dichloroethane	5.40	62	3973	1.22	ug/L #	75
33) Benzene	5.39	78	460444	52.40	ug/L	100
34) Trichloroethene	6.19	95	122974	52.93	ug/L	97
35) Methylcyclohexane	6.33	83	31631	8.90	ug/L #	19
37) 1,2-Dichloropropane	6.33	63	14605	6.08	ug/L #	88
42) Toluene	7.64	91	497628	53.23	ug/L	99
48) 2-Hexanone	8.31	43	13120	5.36	ug/L #	67
51) Chlorobenzene	9.12	112	328290	51.34	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	16299	5.44	ug/L #	84

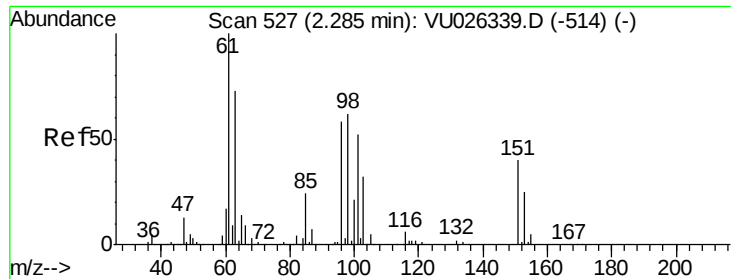
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 55.68 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026366.D

Acq: 25 Aug 2018 13:20

Instrument :

MSVOA_U

ClientSampleId :

ETOL8MS

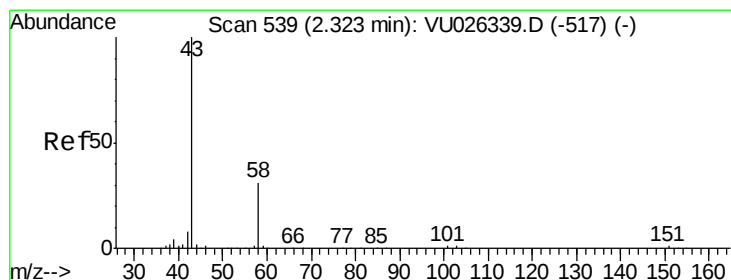
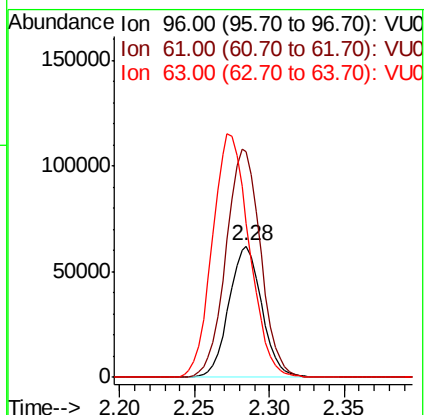
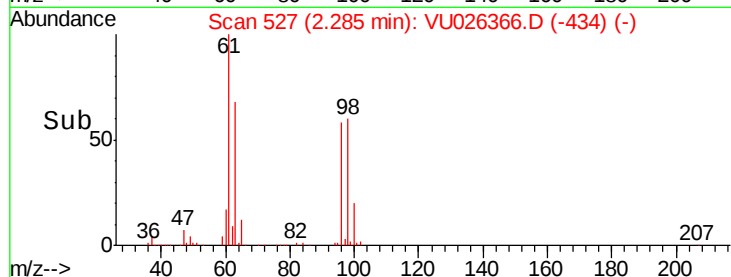
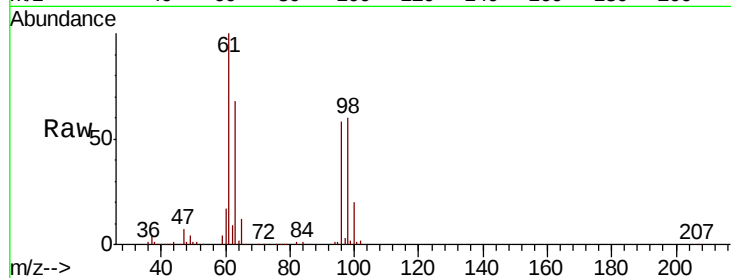
Tot Ion: 96 Resp: 94805

Ion Ratio Lower Upper

96 100

61 171.2 124.7 231.5

63 116.7 93.7 174.1



#13

Acetone

Concen: 3.54 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026366.D

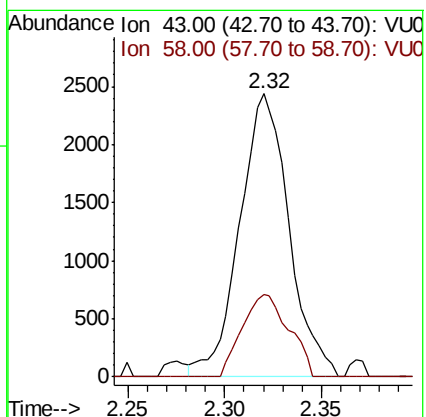
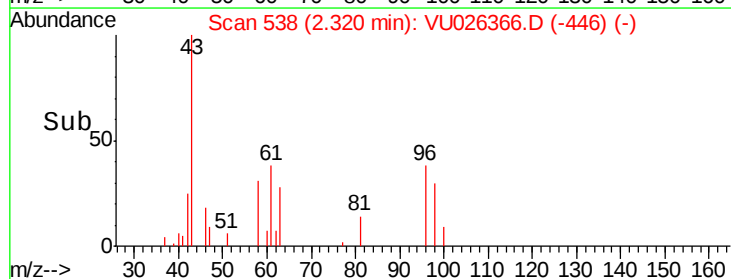
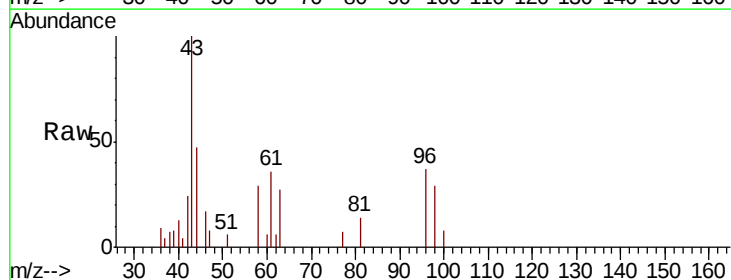
Acq: 25 Aug 2018 13:20

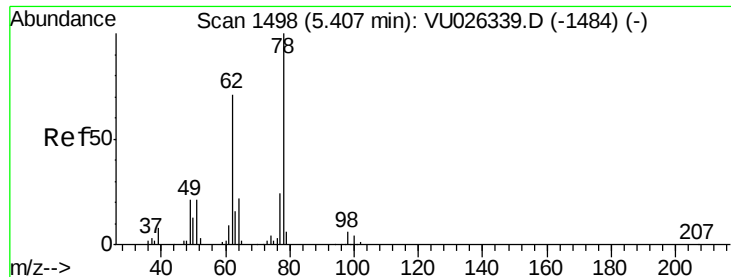
Tgt Ion: 43 Resp: 4316

Ion Ratio Lower Upper

43 100

58 27.5 0.0 61.2





#27

1,2-Dichloroethane

Concen: 1.22 ug/L

RT: 5.40 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VU026366.D

Acq: 25 Aug 2018 13:20

Instrument :

MSVOA_U

ClientSampleId :

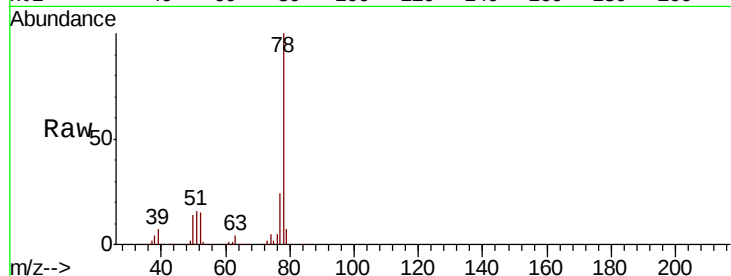
ETOL8MS

Tot Ion: 62 Resp: 3973

Ion Ratio Lower Upper

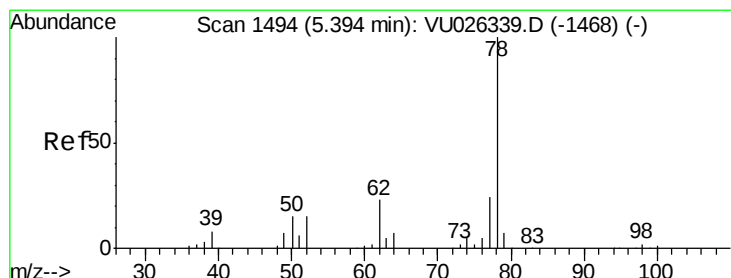
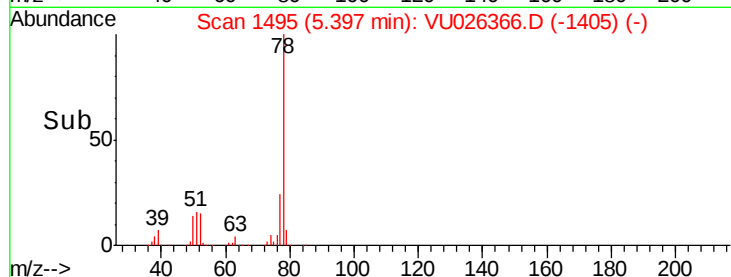
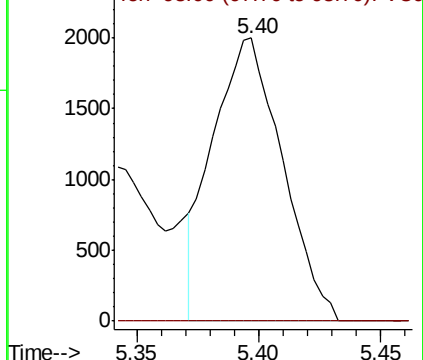
62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#33

Benzene

Concen: 52.40 ug/L

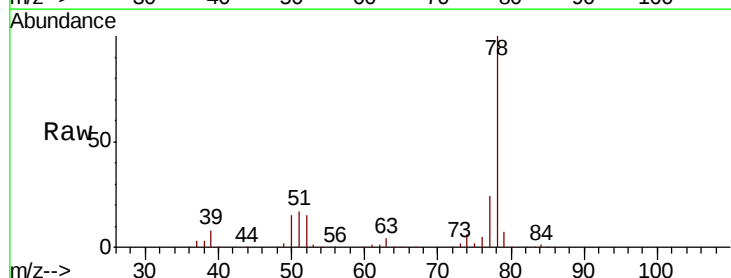
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

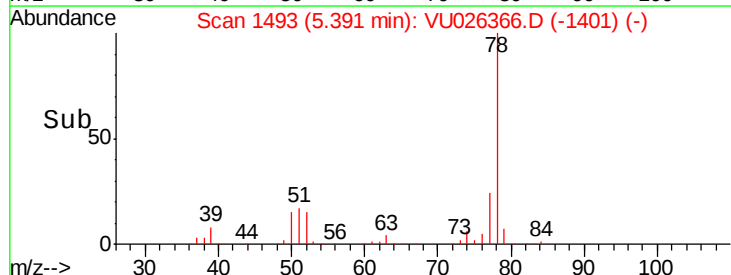
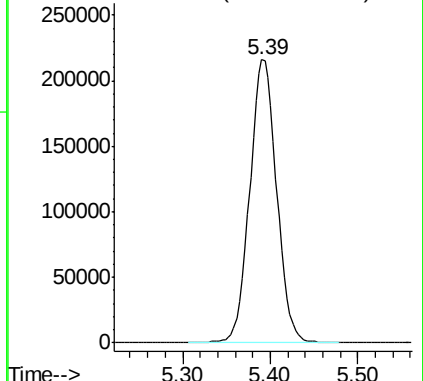
Lab File: VU026366.D

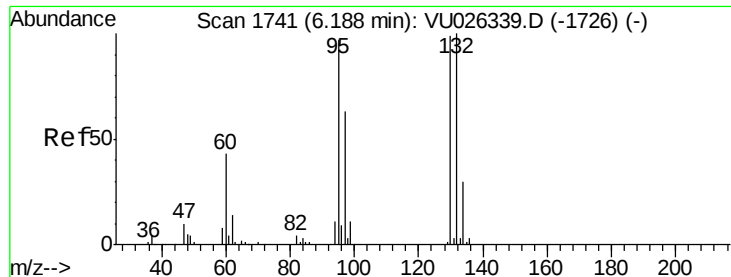
Acq: 25 Aug 2018 13:20

Tgt Ion: 78 Resp: 460444



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 52.93 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026366.D

Acq: 25 Aug 2018 13:20

Instrument :

MSVOA_U

ClientSampleId :

ETOL8MS

Tot Ion: 95 Resp: 122974

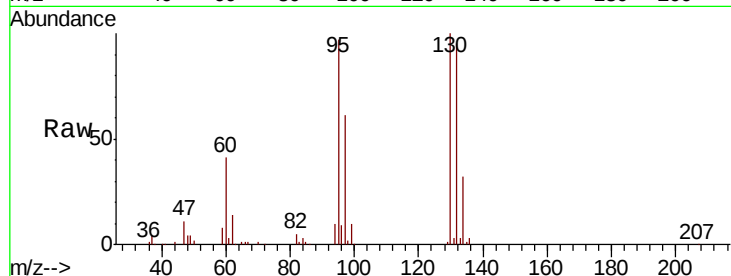
Ion Ratio Lower Upper

95 100

97 62.7 47.2 87.6

132 97.7 70.2 130.4

130 103.1 73.4 136.4

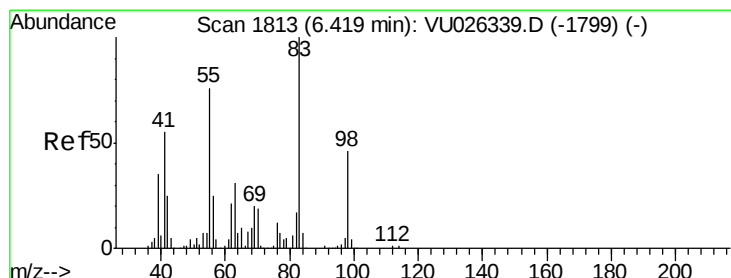
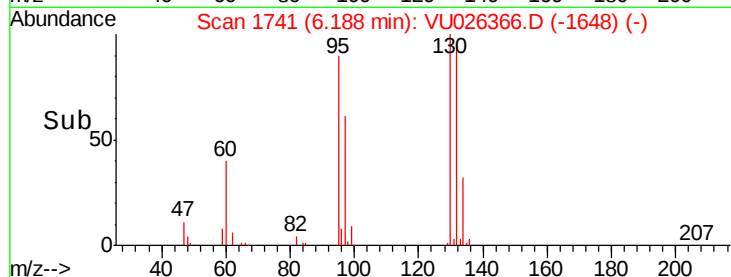
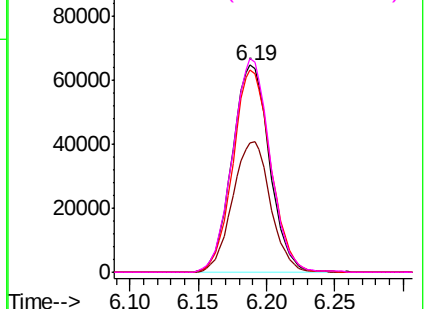


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 8.90 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU026366.D

Acq: 25 Aug 2018 13:20

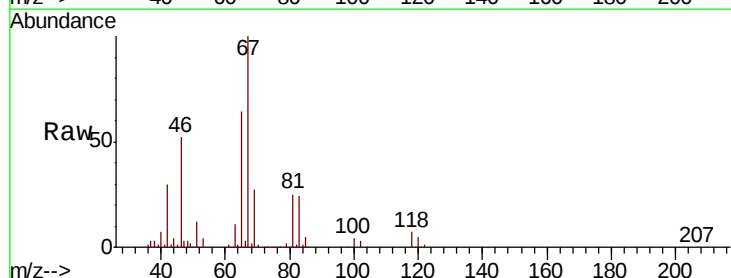
Tgt Ion: 83 Resp: 31631

Ion Ratio Lower Upper

83 100

55 0.1 60.6 91.0#

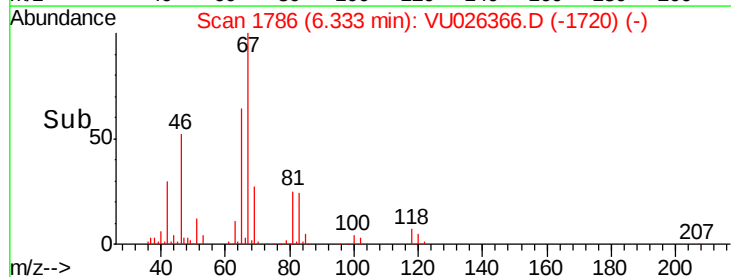
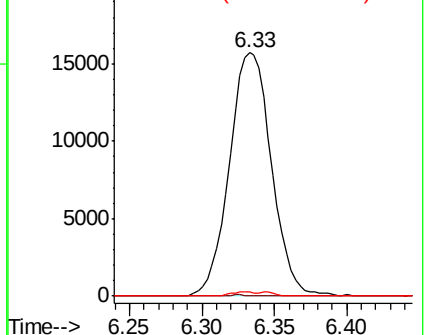
98 1.0 36.8 55.2#

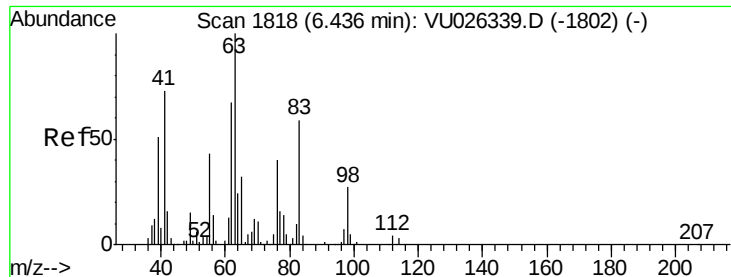


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

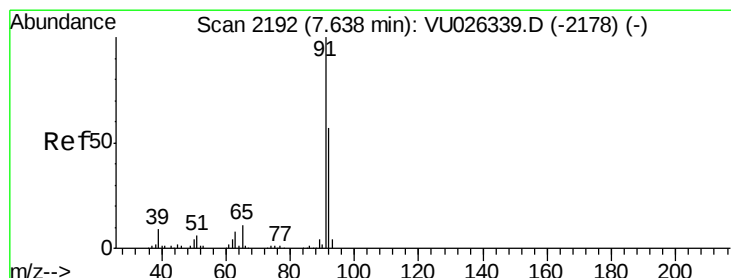
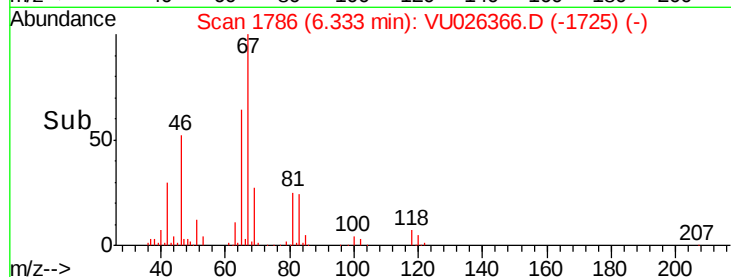
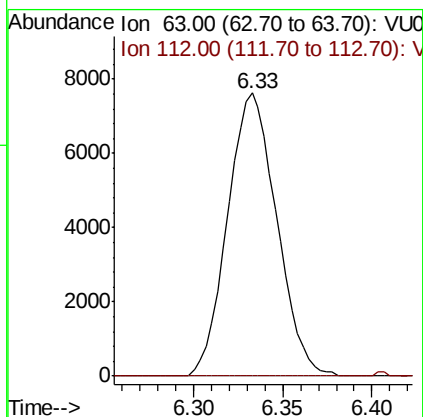
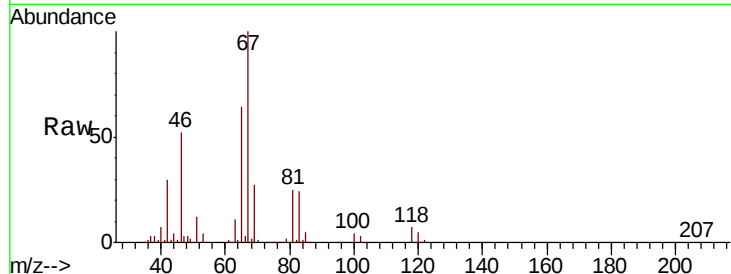




#37
 1,2-Dichloropropane
 Concen: 6.08 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU026366.D
 Acq: 25 Aug 2018 13:20

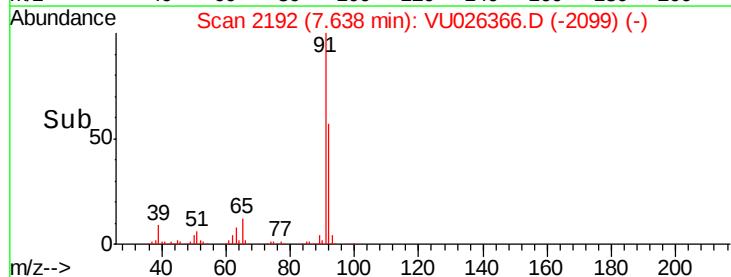
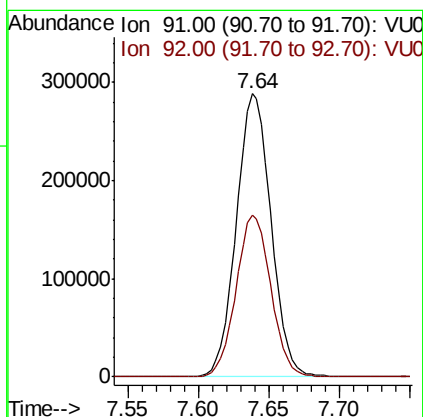
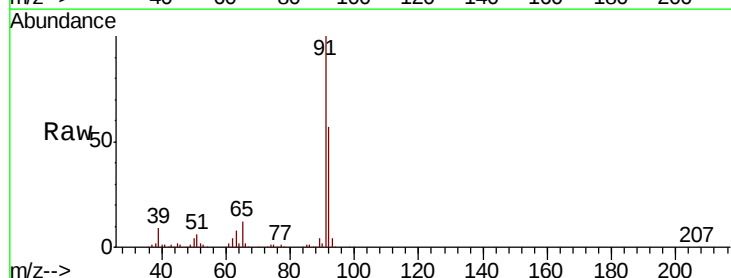
Instrument :
 MSVOA_U
 ClientSampleId :
 ETOL8MS

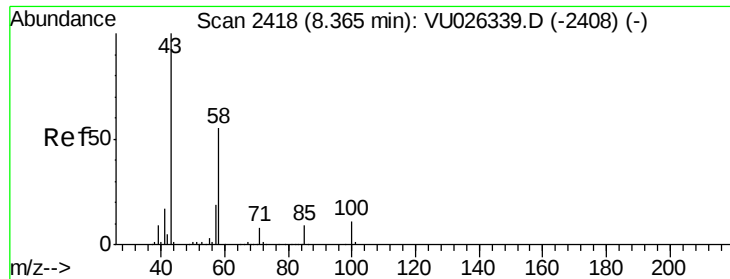
Tot Ion: 63 Resp: 14605
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.4 5.2#



#42
 Toluene
 Concen: 53.23 ug/L
 RT: 7.64 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VU026366.D
 Acq: 25 Aug 2018 13:20

Tgt Ion: 91 Resp: 497628
 Ion Ratio Lower Upper
 91 100
 92 57.4 39.9 74.1

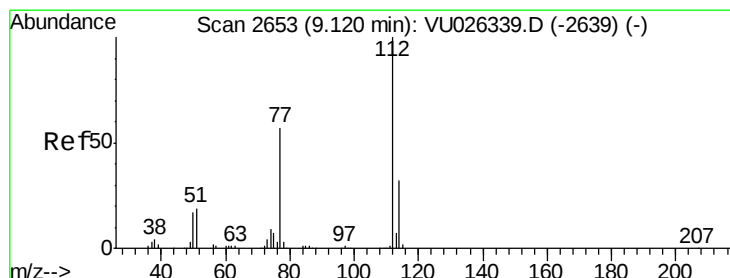
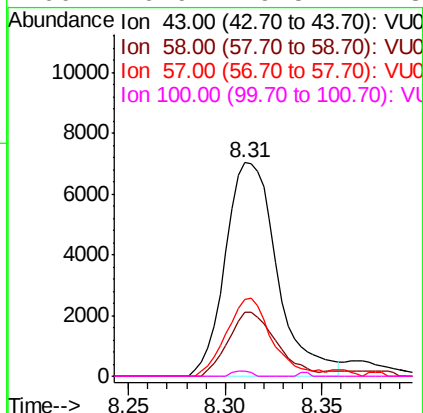
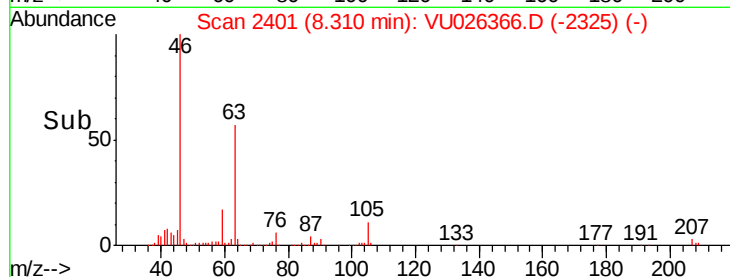
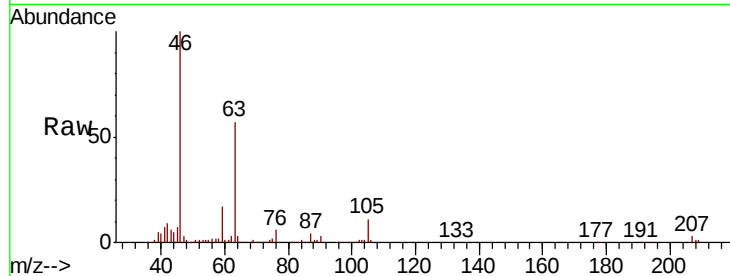




#48
2-Hexanone
Concen: 5.36 ug/L
RT: 8.31 min Scan# 2401
Delta R.T. -0.05 min
Lab File: VU026366.D
Acq: 25 Aug 2018 13:20

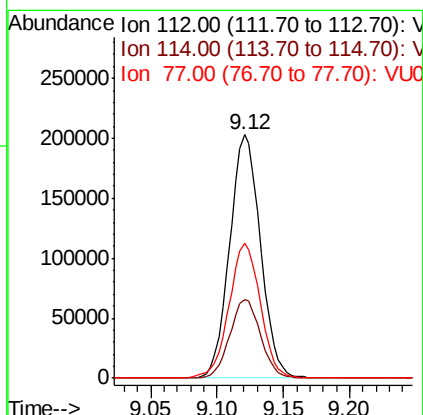
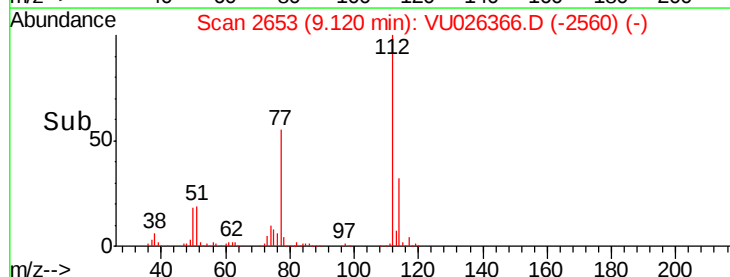
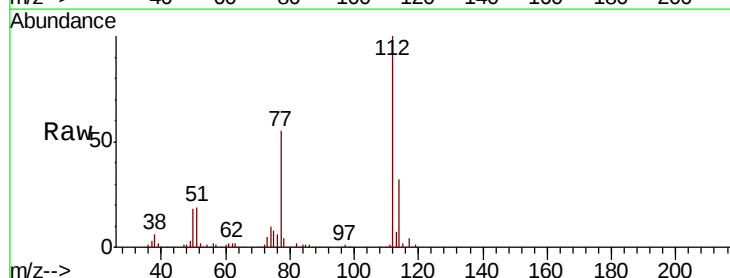
Instrument :
MSVOA_U
ClientSampled :
ETOL8MS

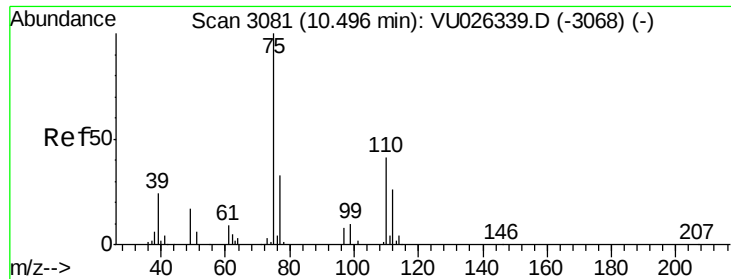
Tot Ion: 43 Resp: 13120
Ion Ratio Lower Upper
43 100
58 28.0 42.6 63.8#
57 32.0 15.1 22.7#
100 0.9 9.5 14.3#



#51
Chlorobenzene
Concen: 51.34 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026366.D
Acq: 25 Aug 2018 13:20

Tgt Ion: 112 Resp: 328290
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.9
77 55.2 45.4 68.2





#59

1,2,3-Trichloropropane

Concen: 5.44 ug/L

RT: 11.48 min Scan# 3388

Delta R.T. 0.99 min

Lab File: VU026366.D

Acq: 25 Aug 2018 13:20

Instrument :

MSVOA_U

ClientSampleId :

ETOL8MS

Tot Ion: 75 Resp: 16299

Ion Ratio Lower Upper

75 100

77 40.9 25.5 38.3#

