

Data File : VU032566.D
Acq On : 10 Jun 2019 15:14
Operator : JC/SP
Sample : K3277-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8B3

Quant Time: Jun 11 04:45:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 04:40:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	196936	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	180404	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90582	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65077	50.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.86%
7) Chloroethane-d5	1.68	69	50876	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.10%
11) 1,1-Dichloroethene-d2	2.27	63	94581	37.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.62%
21) 2-Butanone-d5	4.17	46	103149	96.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.47%
24) Chloroform-d	4.64	84	116935	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.14%
26) 1,2-Dichloroethane-d4	5.30	65	77907	51.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.80%
32) Benzene-d6	5.33	84	244198	52.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.28%
36) 1,2-Dichloropropane-d6	6.32	67	76521	52.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.22%
41) Toluene-d8	7.56	98	221998	49.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.98%
43) trans-1,3-Dichloropropene-	7.85	79	36465	51.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.78%
47) 2-Hexanone-d5	8.31	63	67351	94.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.55%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	104582	49.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.30%
64) 1,2-Dichlorobenzene-d4	11.85	152	87350	50.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.70%

Target Compounds

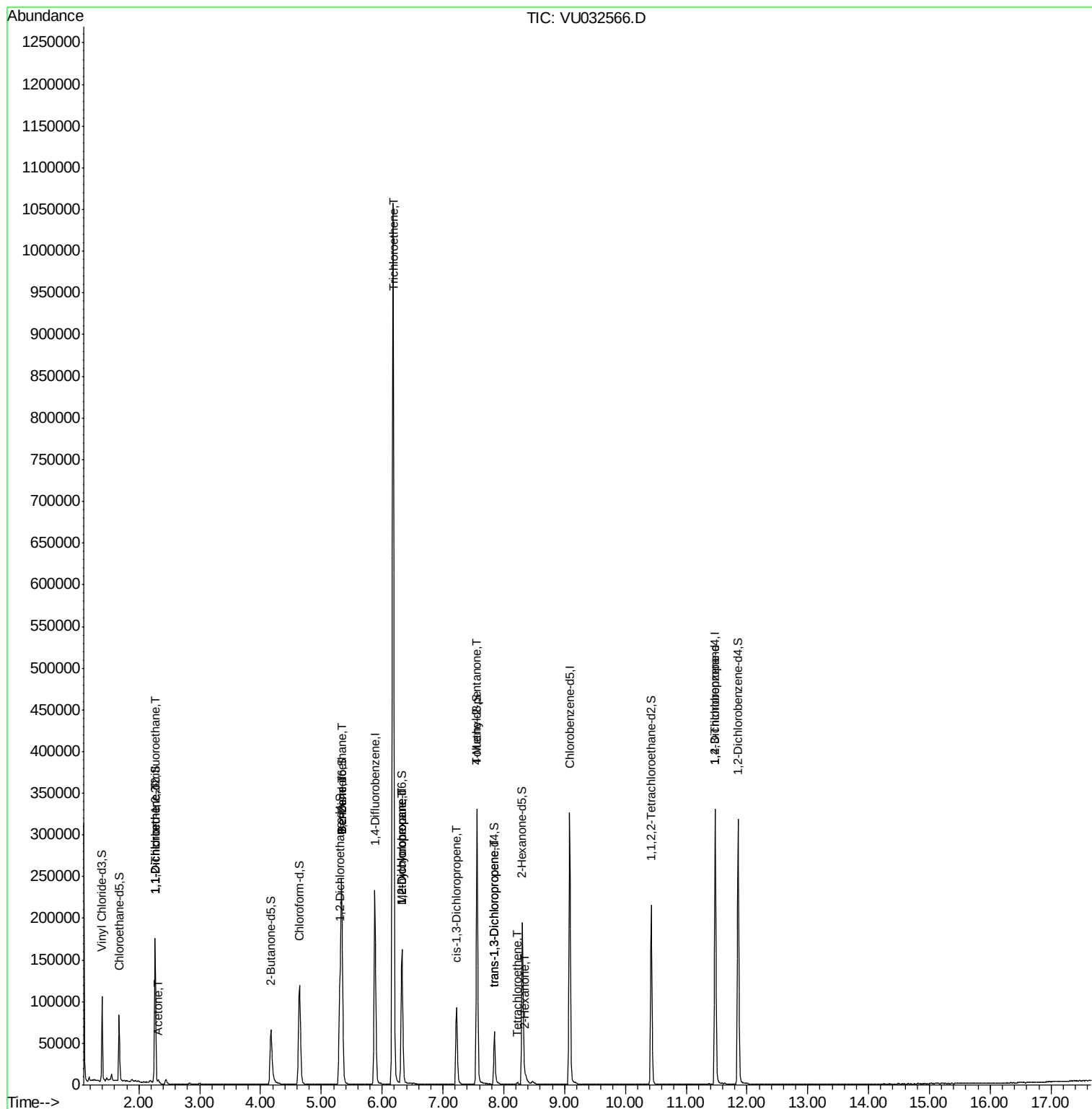
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	727	0.604 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	791	0.677 ug/L #	1
13) Acetone	2.32	43	3905	3.539 ug/L	100
27) 1,2-Dichloroethane	5.33	62	1369	0.727 ug/L #	75
33) Benzene	5.34	78	2004	0.395 ug/L	100
34) Trichloroethene	6.18	95	350867	254.431 ug/L	99
35) Methylcyclohexane	6.32	83	17132	7.674 ug/L #	19
37) 1,2-Dichloropropane	6.32	63	8349	6.214 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2589	1.221 ug/L #	62
40) 4-Methyl-2-pentanone	7.56	43	1027	0.475 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1543	0.820 ug/L	90
46) Tetrachloroethene	8.23	164	621	0.545 ug/L	81
48) 2-Hexanone	8.36	43	4516	2.544 ug/L #	85
59) 1,2,3-Trichloropropane	11.48	75	10302	5.898 ug/L	91

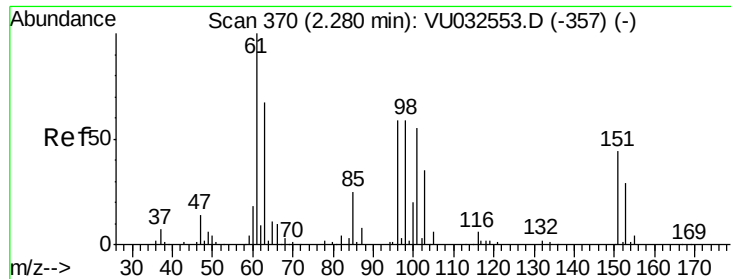
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.604 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032566.D

Acq: 10 Jun 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

DB8B3

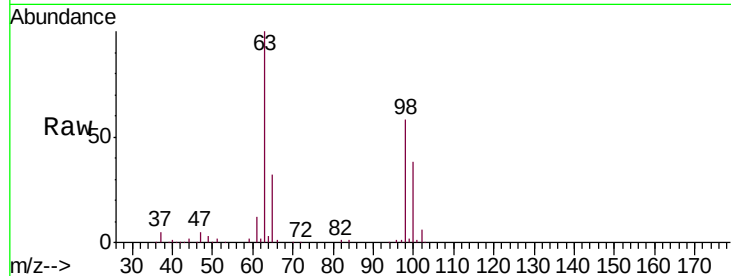
Tgt Ion: 101 Resp: 727

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

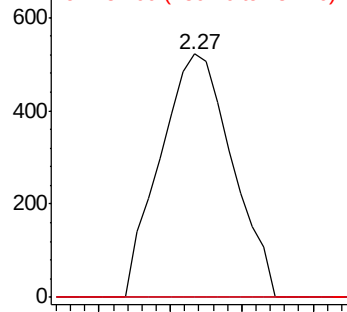
151 0.0 63.0 94.4#



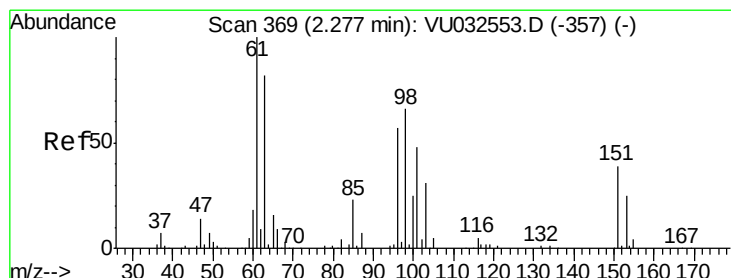
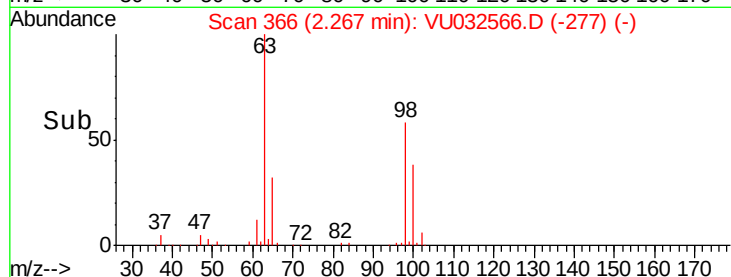
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.677 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032566.D

Acq: 10 Jun 2019 15:14

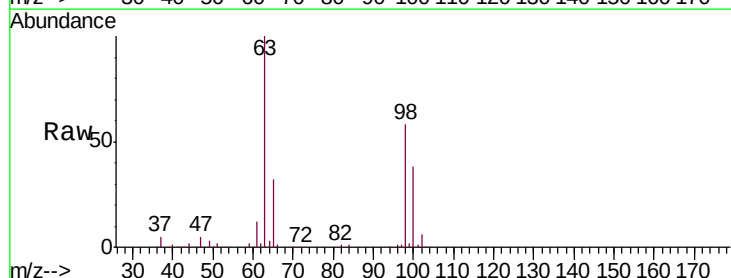
Tgt Ion: 96 Resp: 791

Ion Ratio Lower Upper

96 100

61 1214.1 129.5 240.5#

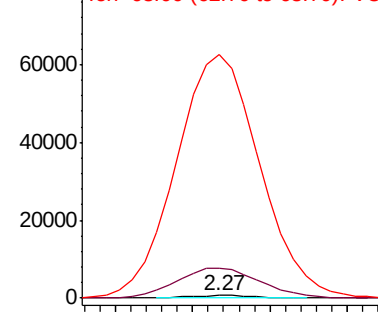
63 9716.8 103.4 192.0#



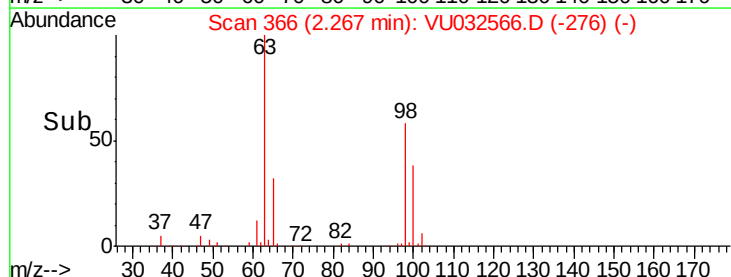
Abundance Ion 96.00 (95.70 to 96.70): VU0

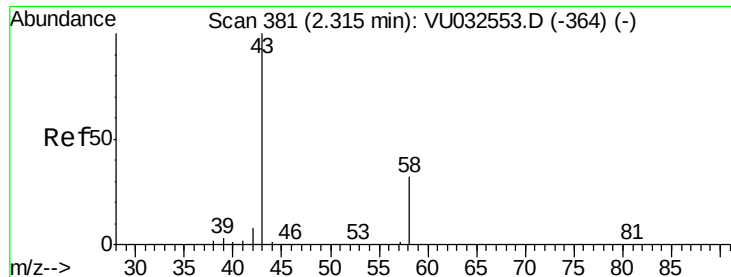
Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->





#13

Acetone

Concen: 3.539 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032566.D

Acq: 10 Jun 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

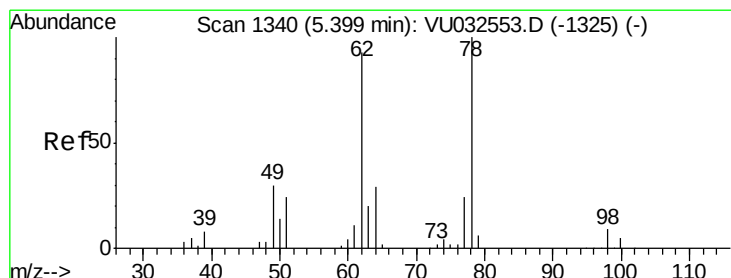
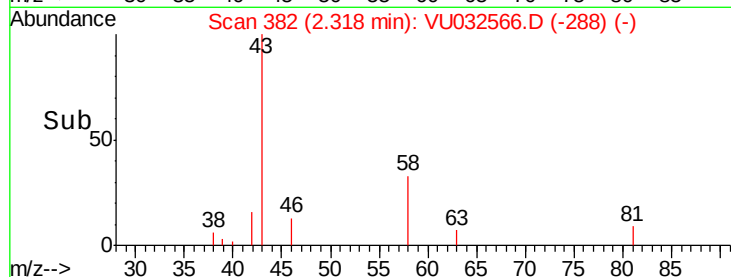
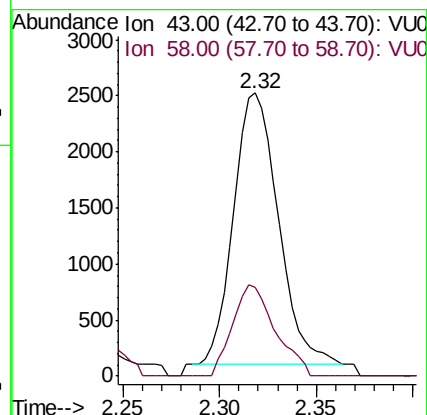
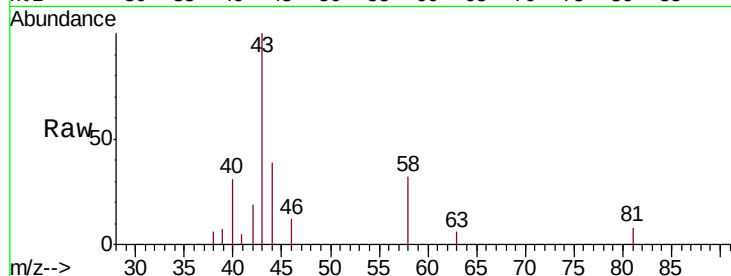
DB8B3

Tgt Ion: 43 Resp: 3905

Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.0



#27

1,2-Dichloroethane

Concen: 0.727 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032566.D

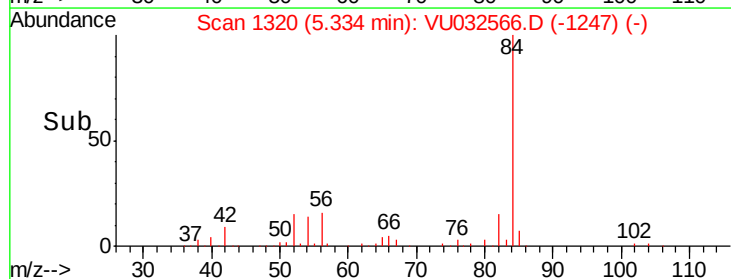
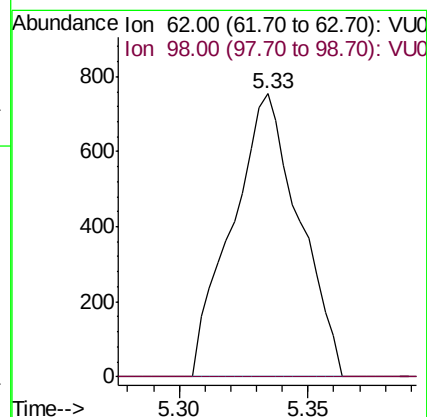
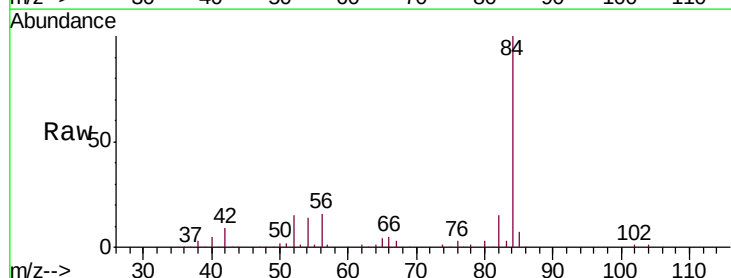
Acq: 10 Jun 2019 15:14

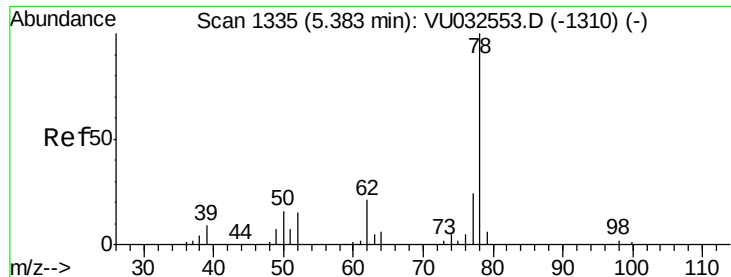
Tgt Ion: 62 Resp: 1369

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

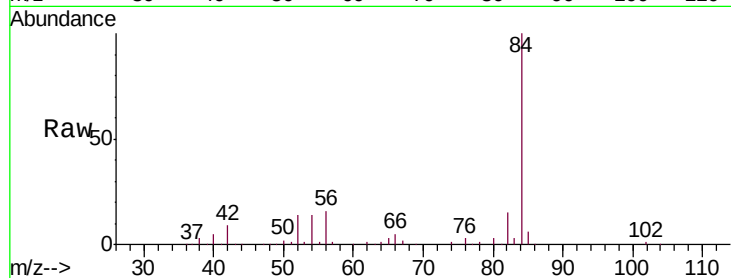




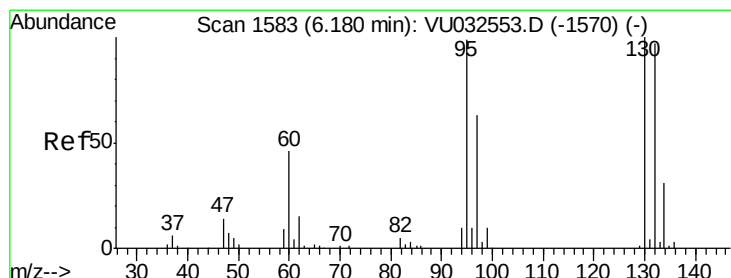
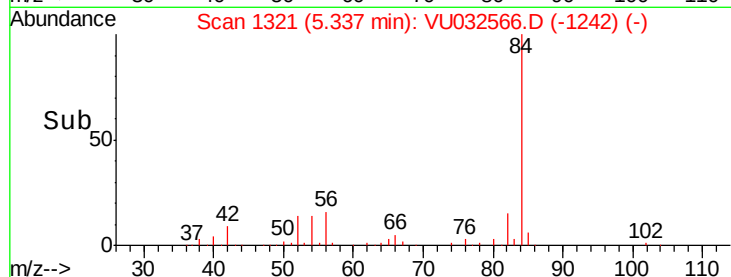
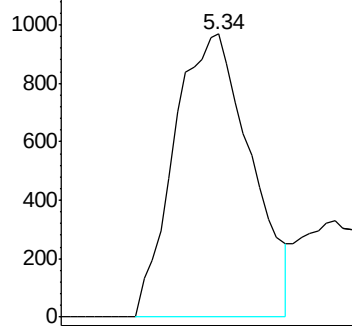
#33
Benzene
Concen: 0.395 ug/L
RT: 5.34 min Scan# 1321
Delta R.T. -0.05 min
Lab File: VU032566.D
Acq: 10 Jun 2019 15:14

Instrument :
MSVOA_U
ClientSampled :
DB8B3

Tgt Ion: 78 Resp: 2004

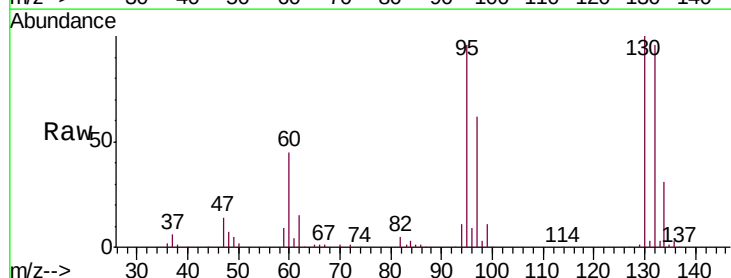


Abundance Ion 78.00 (77.70 to 78.70): VU0



#34
Trichloroethene
Concen: 254.431 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU032566.D
Acq: 10 Jun 2019 15:14

Tgt Ion: 95 Resp: 350867
Ion Ratio Lower Upper
95 100
97 65.0 45.8 85.2
132 100.2 71.0 131.8
130 104.3 73.4 136.2

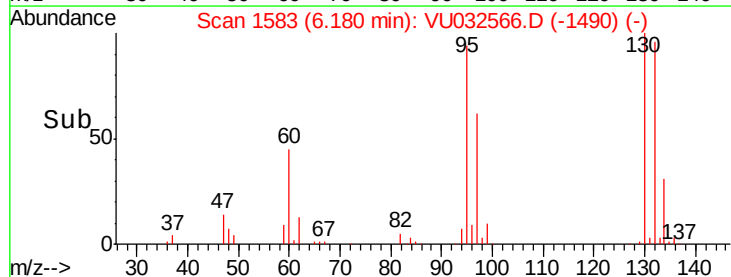
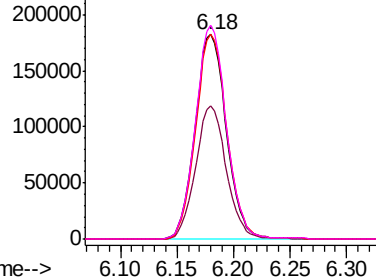


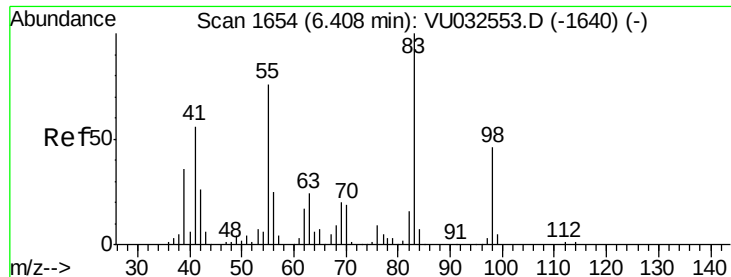
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

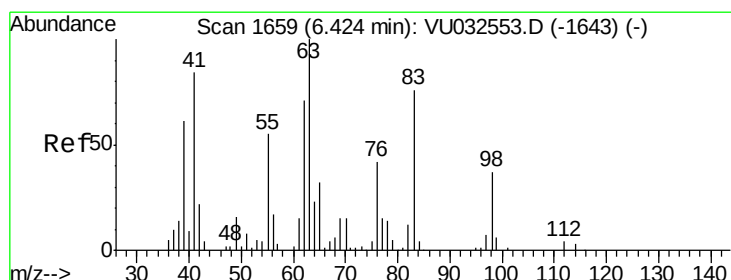
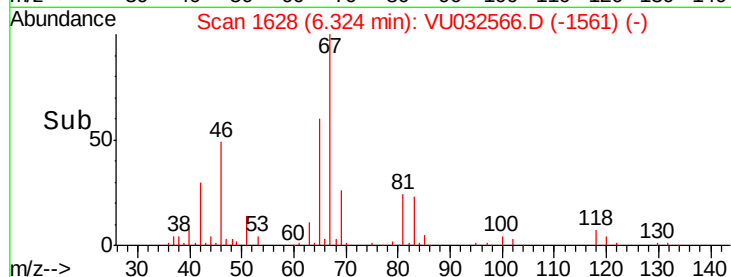
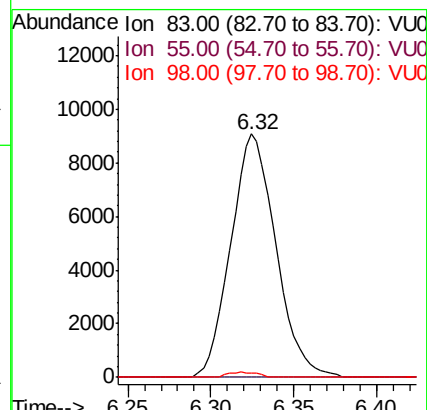
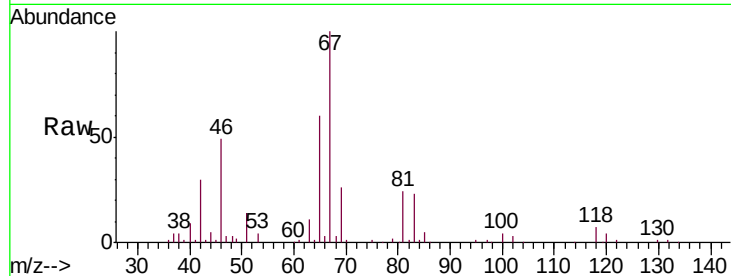




#35
Methylcyclohexane
Concen: 7.674 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032566.D
Acq: 10 Jun 2019 15:14

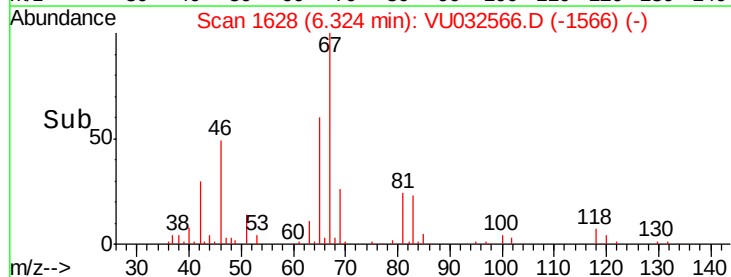
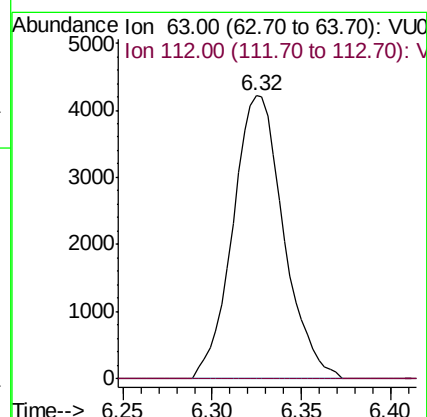
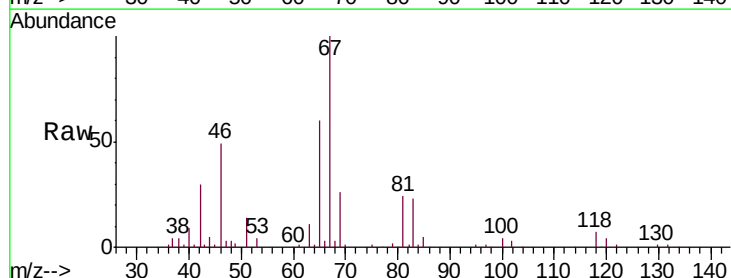
Instrument :
MSVOA_U
ClientSampleId :
DB8B3

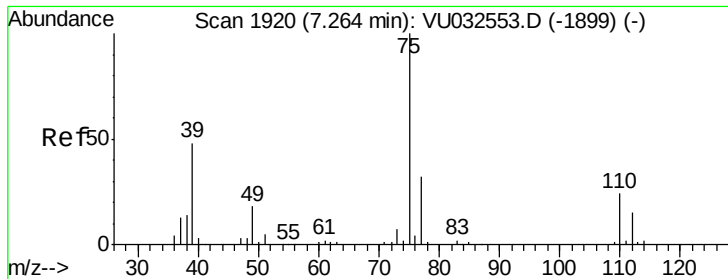
Tgt Ion: 83 Resp: 17132
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.4#
98 1.3 37.4 56.2#



#37
1,2-Dichloropropane
Concen: 6.214 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032566.D
Acq: 10 Jun 2019 15:14

Tgt Ion: 63 Resp: 8349
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

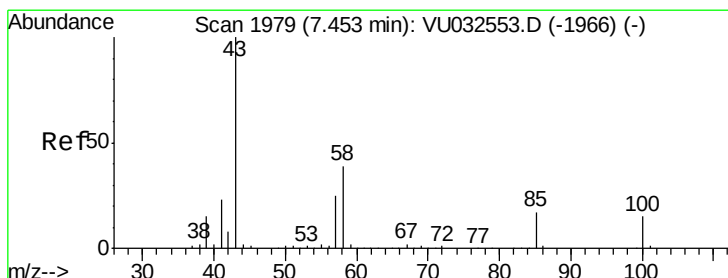
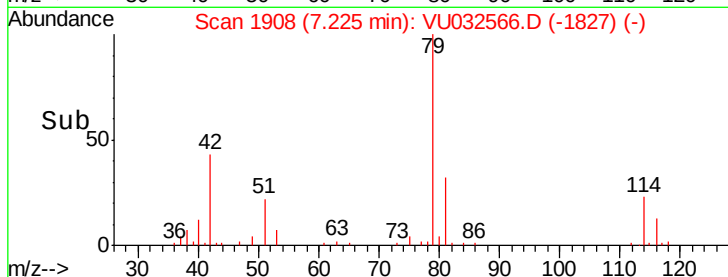
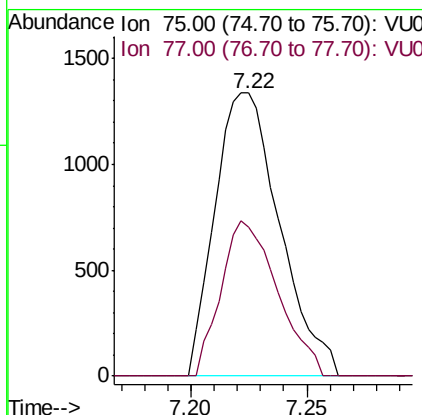
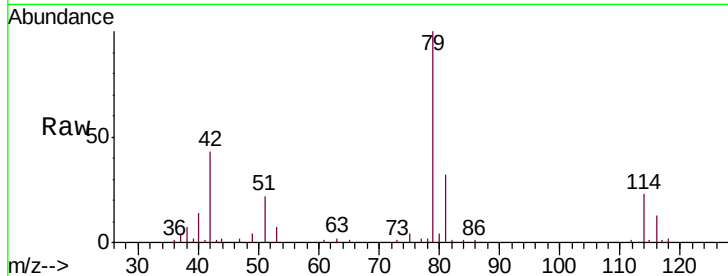




#39
 cis-1,3-Dichloropropene
 Concen: 1.221 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032566.D
 Acq: 10 Jun 2019 15:14

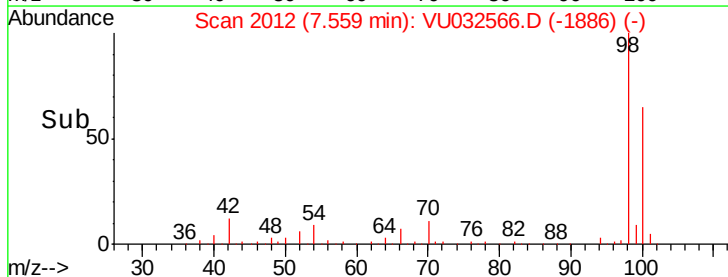
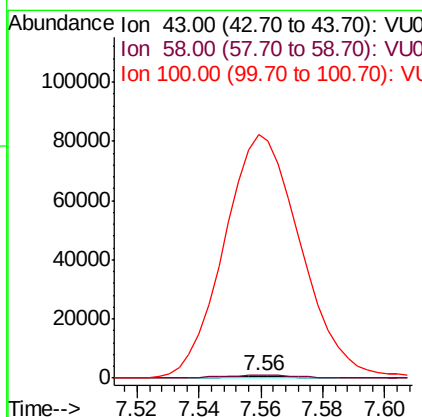
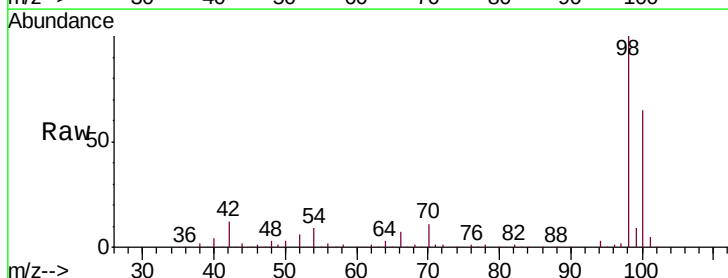
Instrument :
 MSVOA_U
 ClientSampled :
 DB8B3

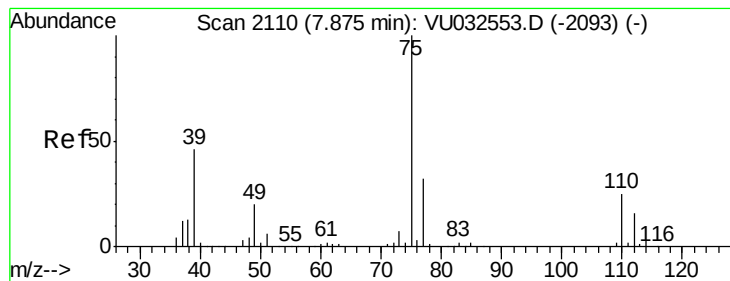
Tgt Ion: 75 Resp: 2589
 Ion Ratio Lower Upper
 75 100
 77 52.7 22.0 41.0#



#40
 4-Methyl-2-pentanone
 Concen: 0.475 ug/L
 RT: 7.56 min Scan# 2012
 Delta R.T. 0.11 min
 Lab File: VU032566.D
 Acq: 10 Jun 2019 15:14

Tgt Ion: 43 Resp: 1027
 Ion Ratio Lower Upper
 43 100
 58 175.7 30.8 46.2#
 100 13917.9 12.1 18.1#





#44

trans-1,3-Dichloropropene

Concen: 0.820 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032566.D

Acq: 10 Jun 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

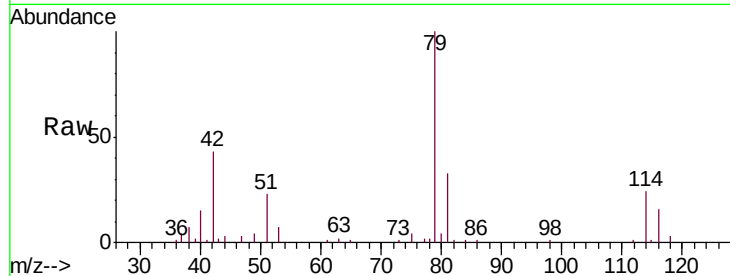
DB8B3

Tgt Ion: 75 Resp: 1543

Ion Ratio Lower Upper

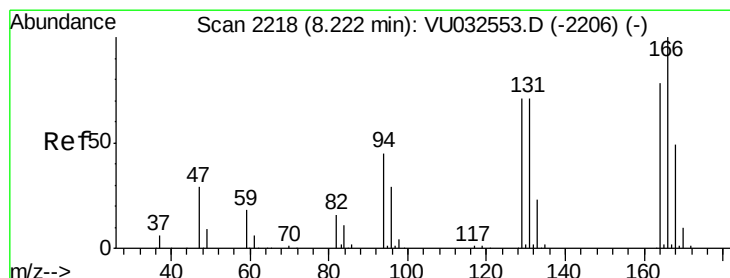
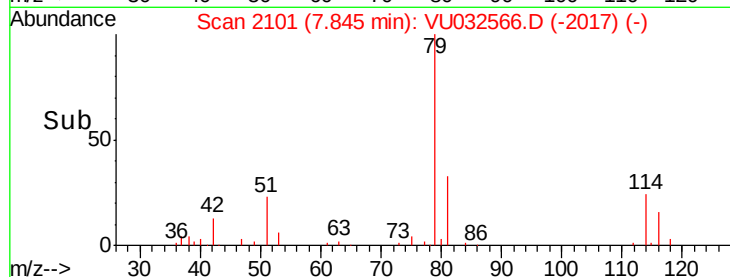
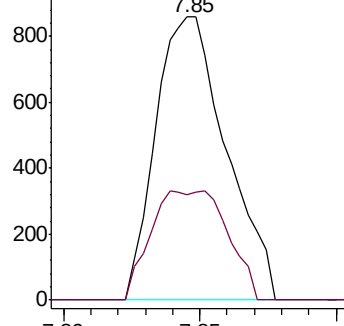
75 100

77 37.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032553.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032553.D (-2093) (-)



#46

Tetrachloroethene

Concen: 0.545 ug/L

RT: 8.23 min Scan# 2221

Delta R.T. 0.01 min

Lab File: VU032566.D

Acq: 10 Jun 2019 15:14

Tgt Ion: 164 Resp: 621

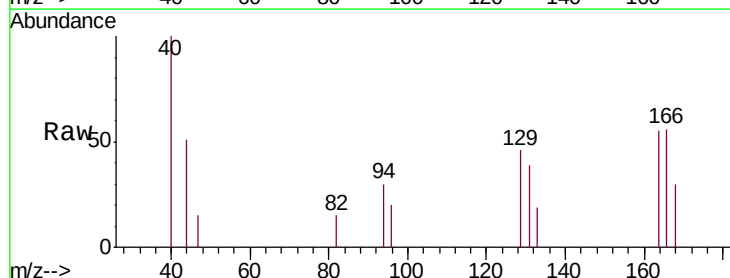
Ion Ratio Lower Upper

164 100

129 82.6 65.3 121.3

131 69.5 64.0 119.0

166 101.5 88.8 165.0

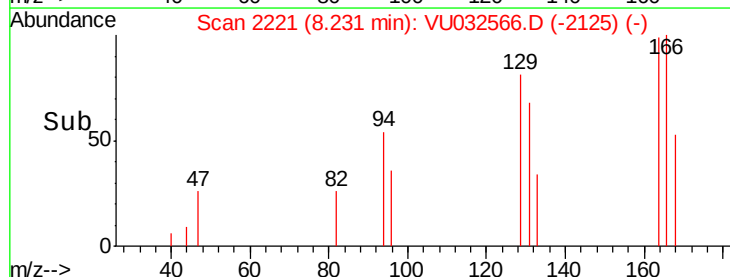
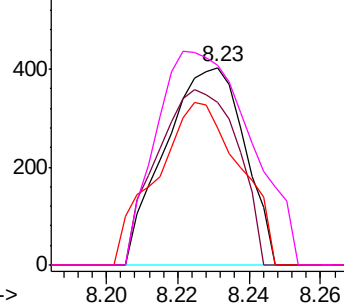


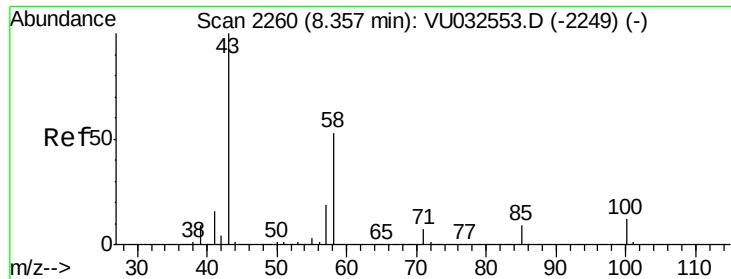
Abundance Ion 164.00 (163.70 to 164.70): VU032553.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU032553.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU032553.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU032553.D (-2206) (-)

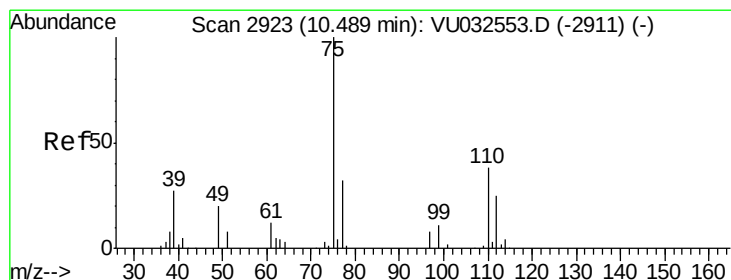
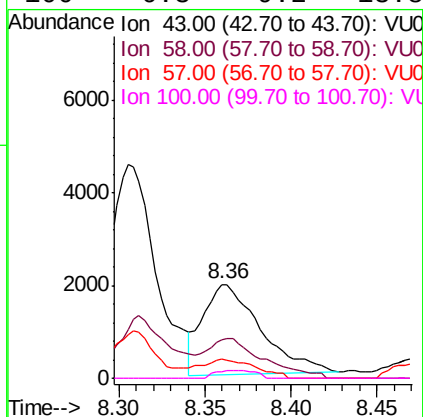
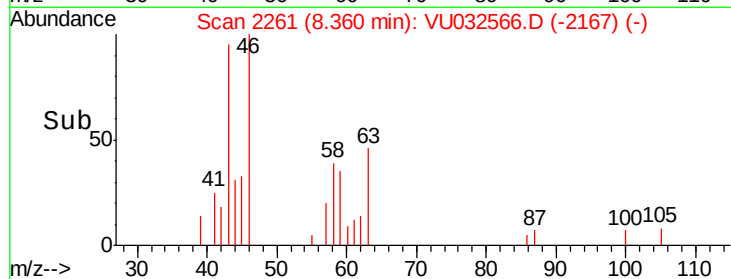
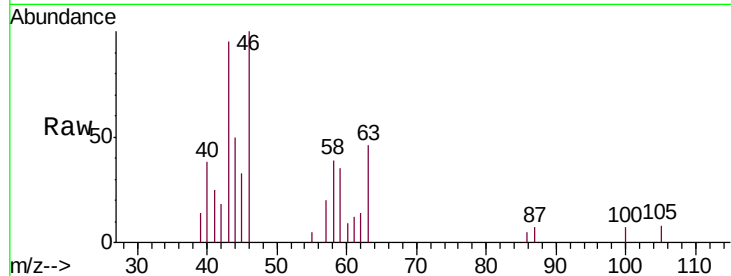




#48
2-Hexanone
Concen: 2.544 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032566.D
Acq: 10 Jun 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
DB8B3

Tgt Ion: 43 Resp: 4516
Ion Ratio Lower Upper
43 100
58 41.1 42.0 63.0#
57 13.5 14.6 22.0#
100 6.3 9.2 13.8#



#59
1,2,3-Trichloropropane
Concen: 5.898 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032566.D
Acq: 10 Jun 2019 15:14

Tgt Ion: 75 Resp: 10302
Ion Ratio Lower Upper
75 100
77 36.9 25.6 38.4

