

Data File : VU032706.D

Acq On : 13 Jun 2019 20:07

Operator : JC/SP

Sample : K3364-07

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
COM28

Quant Time: Jun 14 07:42:18 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 14 07:38:22 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	98101	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	92447	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	43811	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	28898	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.68	69	26170	4.80	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.27	63	45230	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	4.20	46	97642	54.85	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.70%
24) Chloroform-d	4.64	84	60324	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.31	65	33962	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.80%
32) Benzene-d6	5.33	84	113697	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.32	67	38256	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.00%
41) Toluene-d8	7.56	98	102521	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.85	79	13386	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.31	63	62781	41.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	29234	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	40934	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

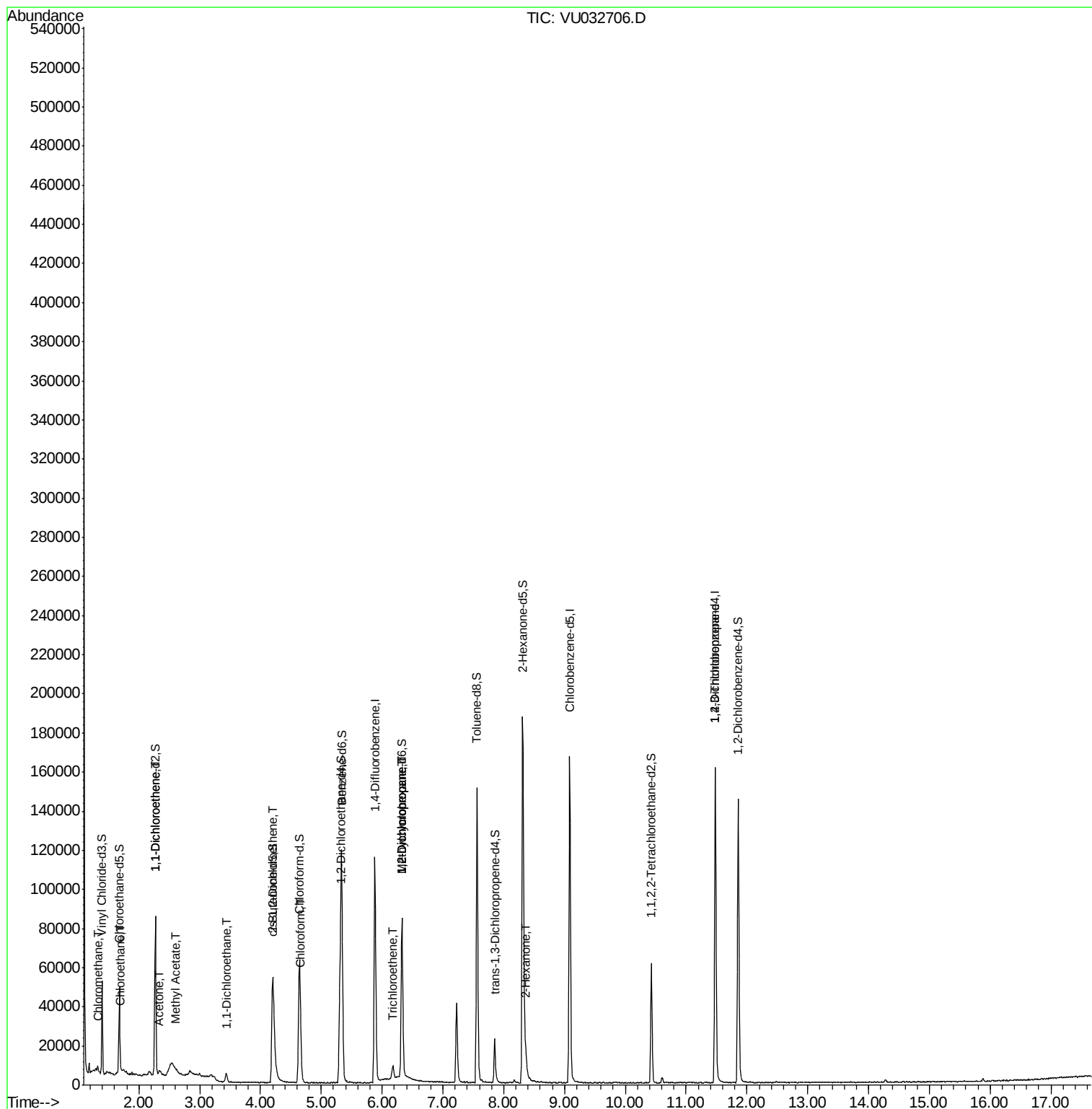
					Qvalue
3) Chloromethane	1.32	50	1884	0.216 ug/L #	82
8) Chloroethane	1.70	64	489	0.089 ug/L #	42
12) 1,1-Dichloroethene	2.27	96	699	0.112 ug/L #	1
13) Acetone	2.34	43	2702	1.956 ug/L	100
15) Methyl Acetate	2.62	43	1332	0.351 ug/L #	57
19) 1,1-Dichloroethane	3.44	63	5099	0.424 ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	1580	0.208 ug/L	92
25) Chloroform	4.67	83	4769	0.388 ug/L	89
34) Trichloroethene	6.19	95	1304	0.166 ug/L	90
35) Methylcyclohexane	6.33	83	8300	0.658 ug/L #	19
37) 1,2-Dichloropropane	6.32	63	4177	0.592 ug/L #	89
48) 2-Hexanone	8.37	43	6006	1.675 ug/L #	91
59) 1,2,3-Trichloropropane	11.48	75	4830	1.043 ug/L #	74

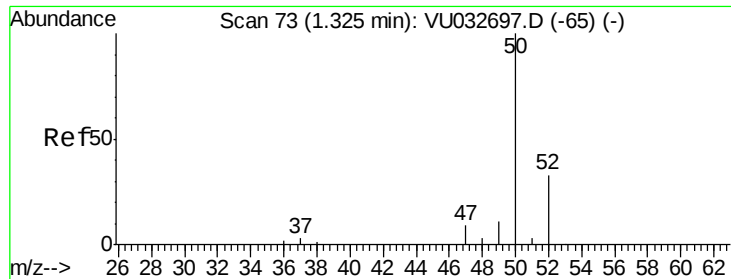
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.216 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032706.D

Acq: 13 Jun 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

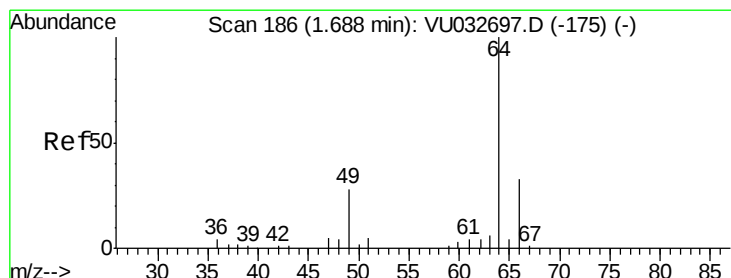
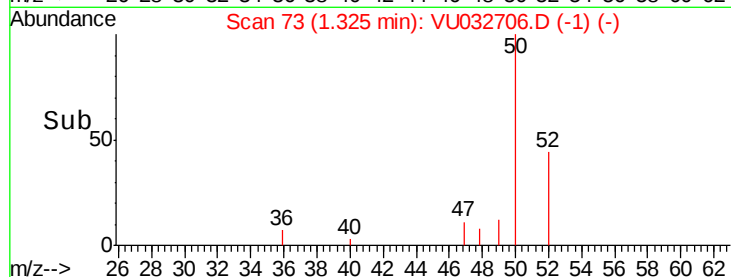
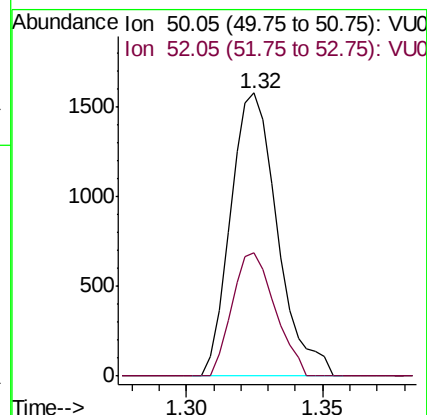
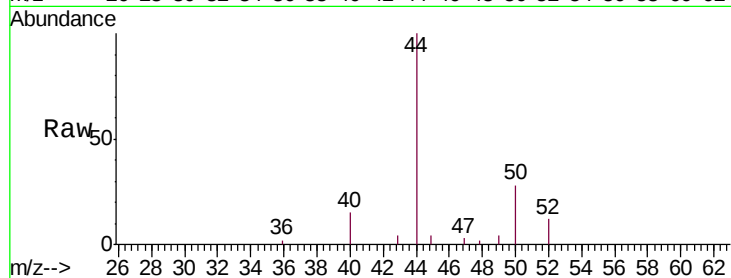
COM28

Tgt Ion: 50 Resp: 1884

Ion Ratio Lower Upper

50 100

52 43.7 23.2 43.2#



#8

Chloroethane

Concen: 0.089 ug/L

RT: 1.70 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU032706.D

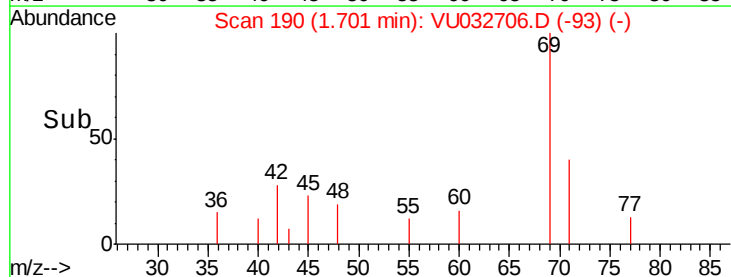
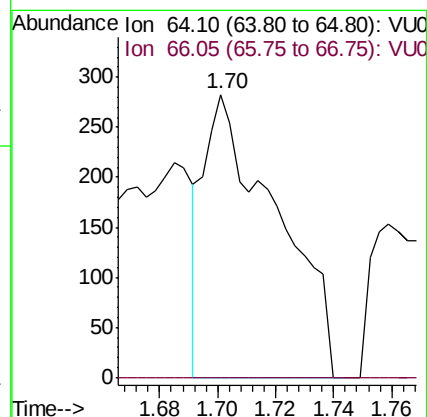
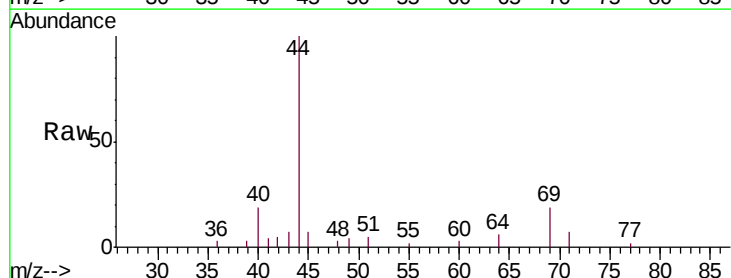
Acq: 13 Jun 2019 20:07

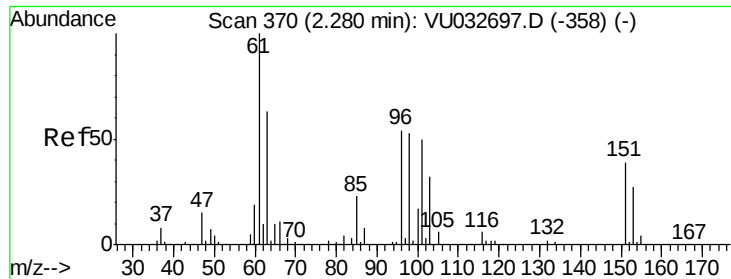
Tgt Ion: 64 Resp: 489

Ion Ratio Lower Upper

64 100

66 0.0 22.8 42.4#





#12

1,1-Dichloroethene

Concen: 0.112 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU032706.D

Acq: 13 Jun 2019 20:07

Instrument :

MSVOA_U

ClientSampled :

COM28

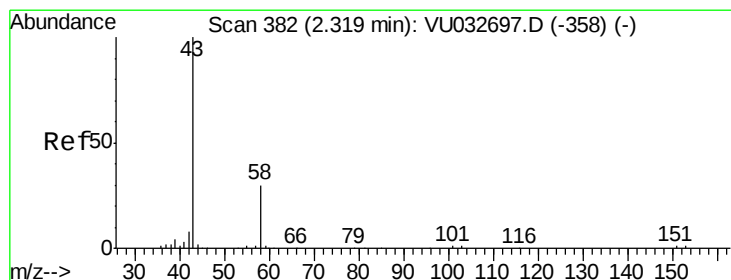
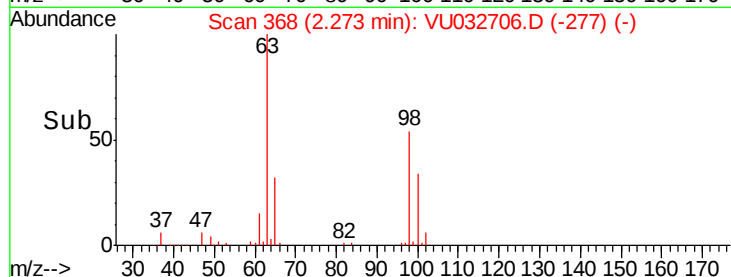
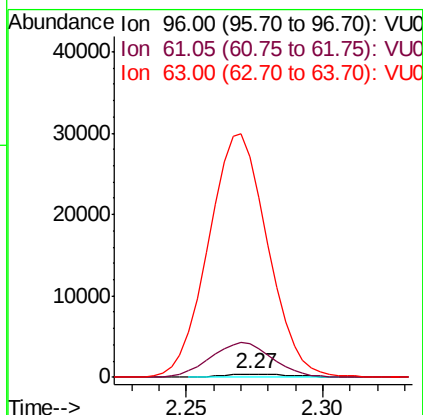
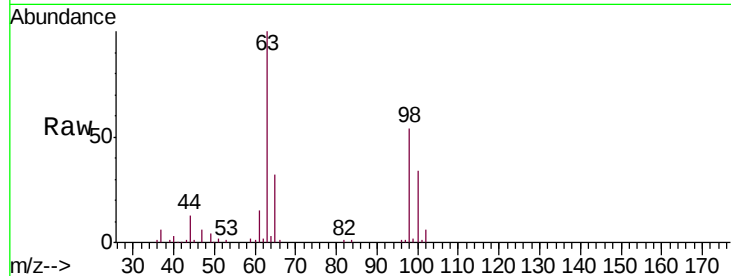
Tgt Ion: 96 Resp: 699

Ion Ratio Lower Upper

96 100

61 1041.3 131.8 244.8#

63 6914.3 90.1 167.3#



#13

Acetone

Concen: 1.956 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.02 min

Lab File: VU032706.D

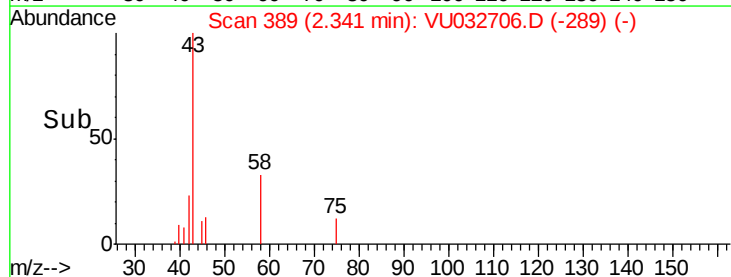
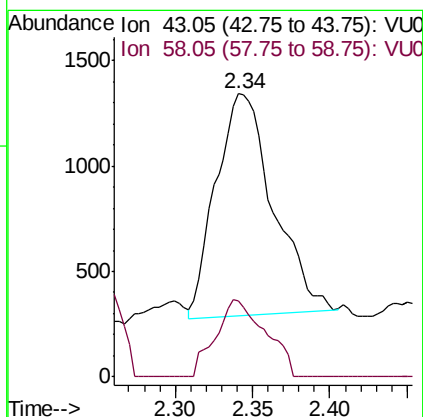
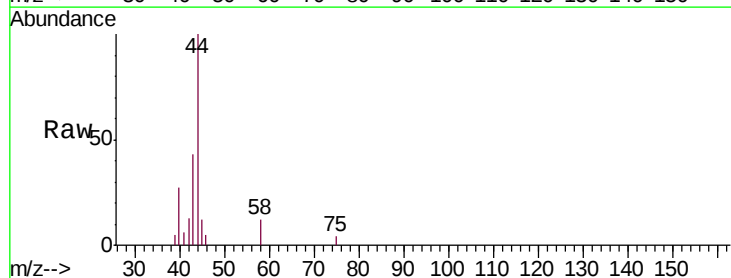
Acq: 13 Jun 2019 20:07

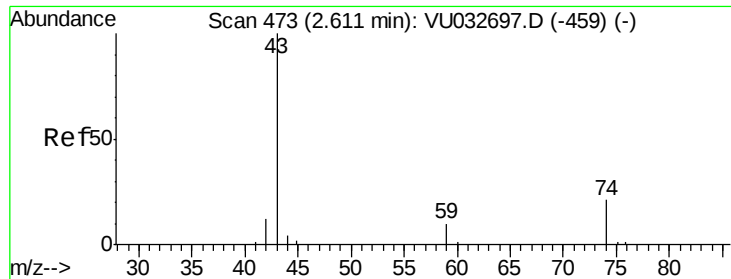
Tgt Ion: 43 Resp: 2702

Ion Ratio Lower Upper

43 100

58 30.2 0.0 60.8





#15

Methyl Acetate

Concen: 0.351 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.01 min

Lab File: VU032706.D

Acq: 13 Jun 2019 20:07

Instrument :

MSVOA_U

ClientSampled :

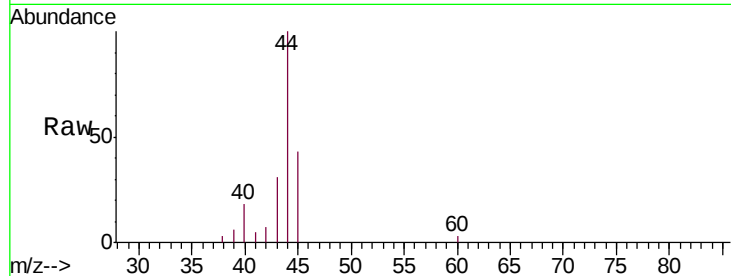
COM28

Tgt Ion: 43 Resp: 1332

Ion Ratio Lower Upper

43 100

74 1.5 17.8 26.8#



Abundance Ion 43.05 (42.75 to 43.75): VU032697.D (-459) (-)

Ion 74.05 (73.75 to 74.75): VU032697.D (-459) (-)

2.62

1200

1000

800

600

400

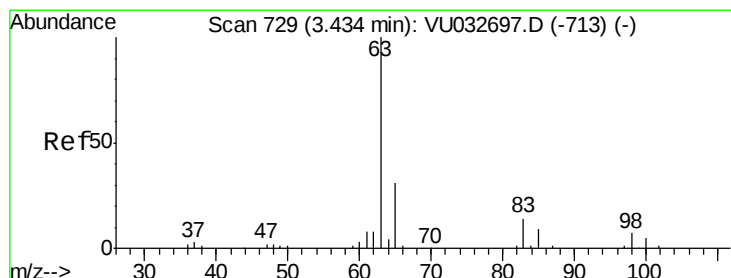
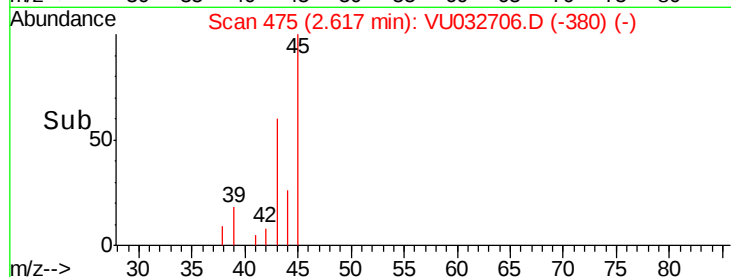
200

0

2.60

2.65

Time-->



#19

1,1-Dichloroethane

Concen: 0.424 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU032706.D

Acq: 13 Jun 2019 20:07

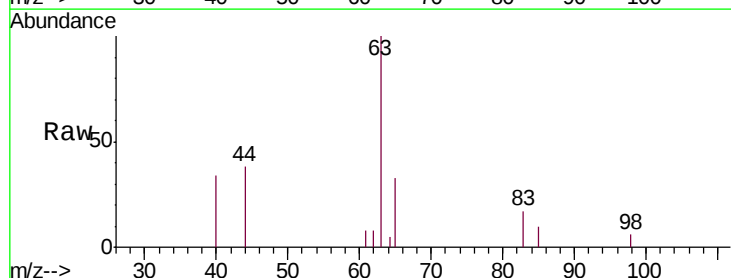
Tgt Ion: 63 Resp: 5099

Ion Ratio Lower Upper

63 100

65 32.9 21.3 39.6

83 17.4 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VU032697.D (-713) (-)

Ion 65.10 (64.80 to 65.80): VU032697.D (-713) (-)

Ion 83.05 (82.75 to 83.75): VU032697.D (-713) (-)

3.44

3000

2500

2000

1500

1000

500

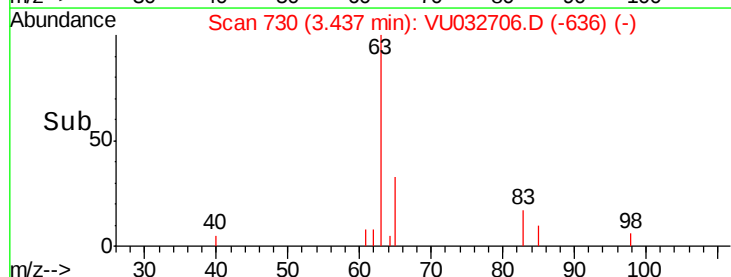
0

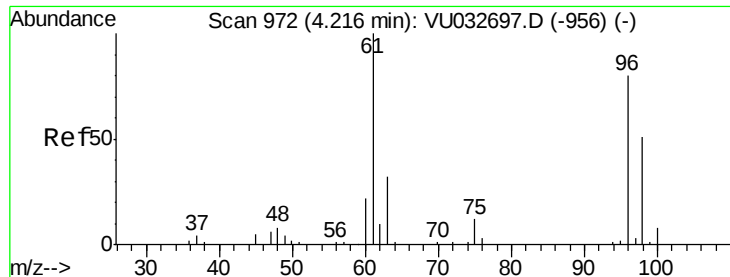
3.40

3.45

3.50

Time-->



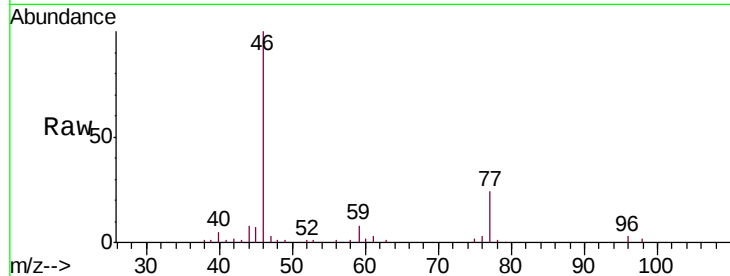


#22

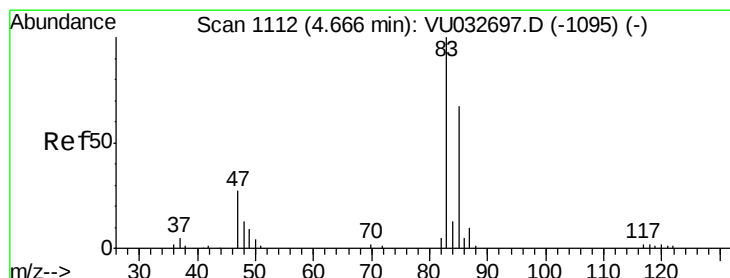
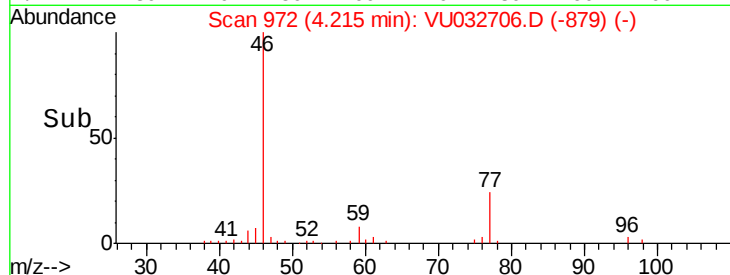
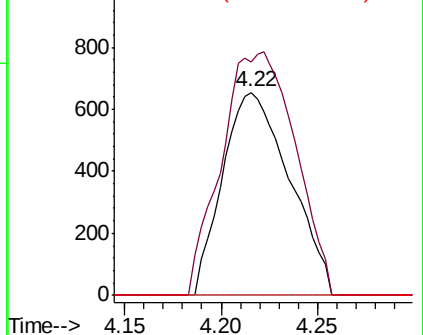
cis-1,2-Dichloroethene
Concen: 0.208 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU032706.D
Acq: 13 Jun 2019 20:07

Instrument :
MSVOA_U
ClientSampleId :
COM28

Tgt Ion: 96 Resp: 1580
Ion Ratio Lower Upper
96 100
61 114.7 86.6 160.8
68 0.0 0.0 0.0



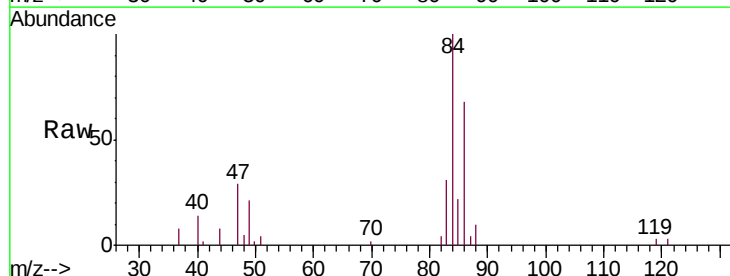
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



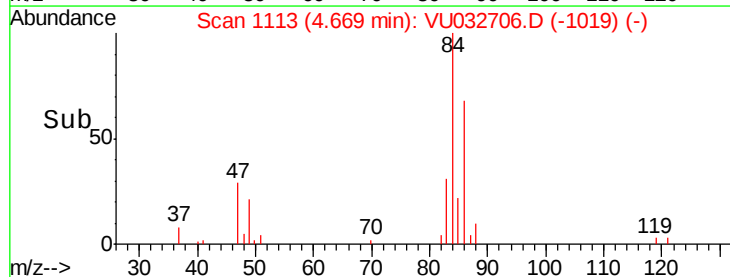
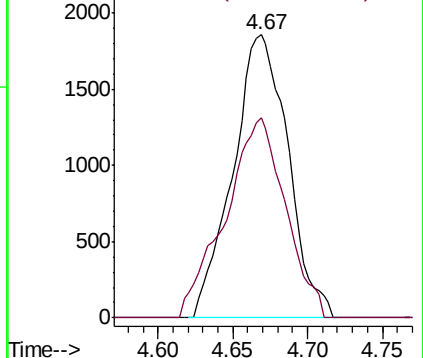
#25

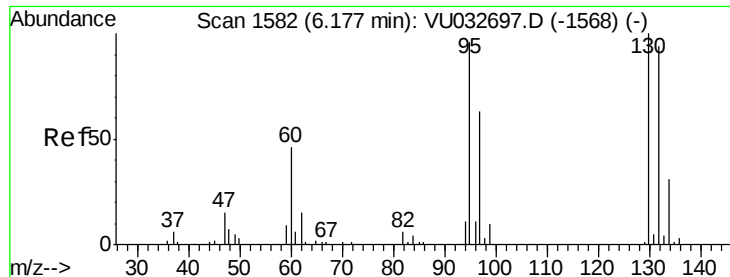
Chloroform
Concen: 0.388 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032706.D
Acq: 13 Jun 2019 20:07

Tgt Ion: 83 Resp: 4769
Ion Ratio Lower Upper
83 100
85 70.7 43.8 81.3



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.166 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU032706.D

Acq: 13 Jun 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

COM28

Tgt Ion: 95 Resp: 1304

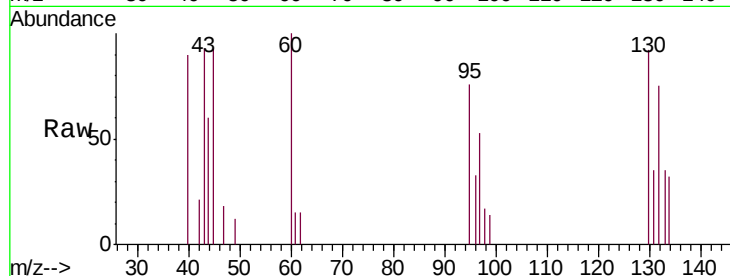
Ion Ratio Lower Upper

95 100

97 69.9 44.1 81.9

132 98.8 68.8 127.8

130 120.9 71.0 131.8

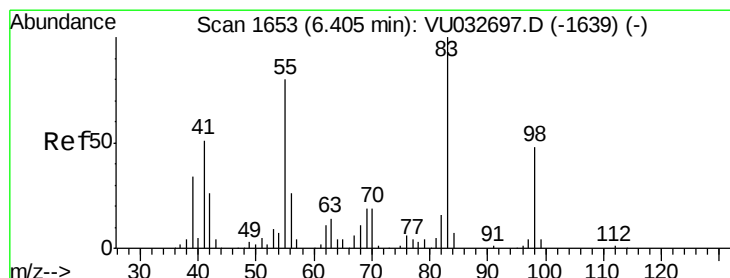
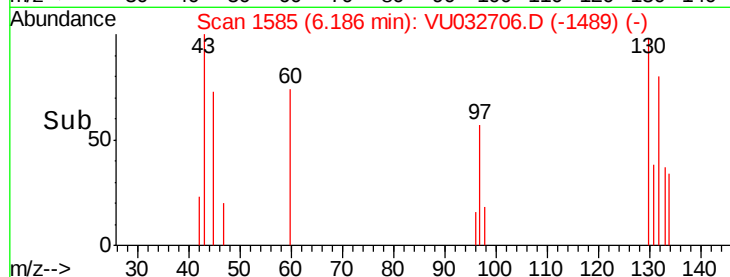
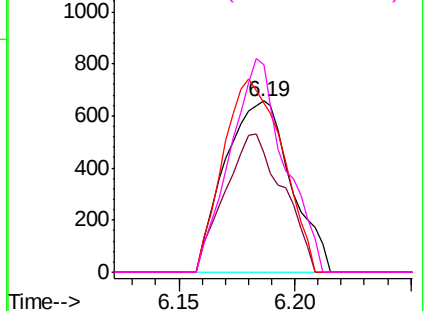


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.658 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032706.D

Acq: 13 Jun 2019 20:07

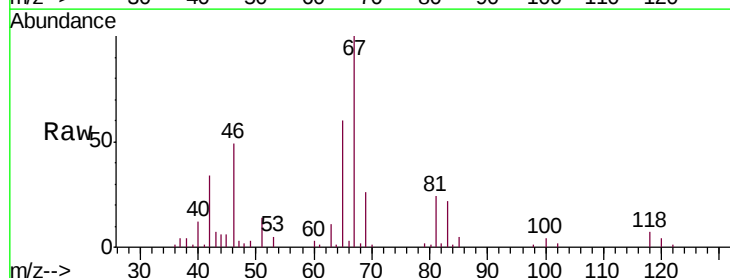
Tgt Ion: 83 Resp: 8300

Ion Ratio Lower Upper

83 100

55 0.0 60.0 90.0#

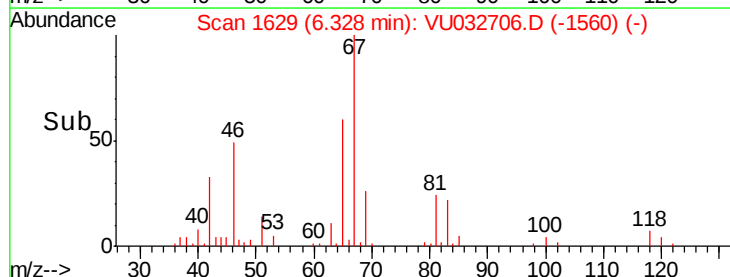
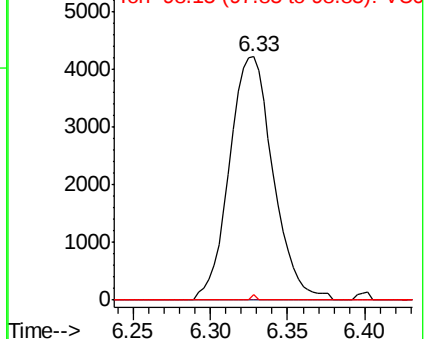
98 0.2 37.8 56.8#

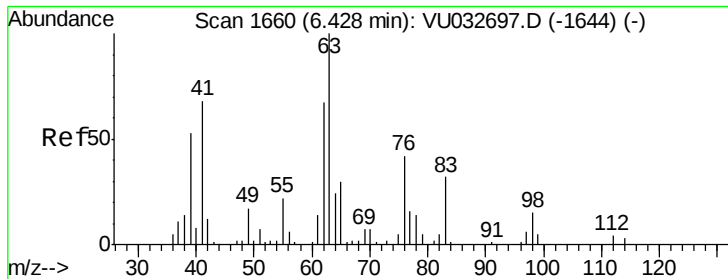


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.592 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032706.D

Acq: 13 Jun 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

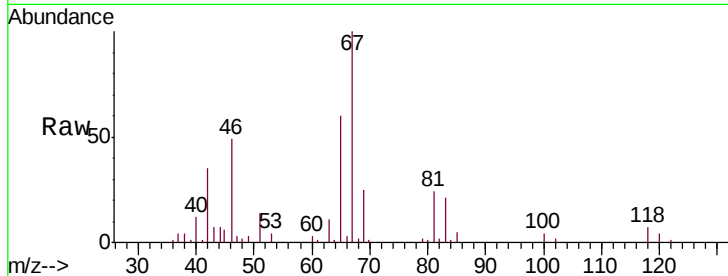
COM28

Tgt Ion: 63 Resp: 4177

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VU032706.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VU032706.D (-1567) (-)

6.32

2000

1500

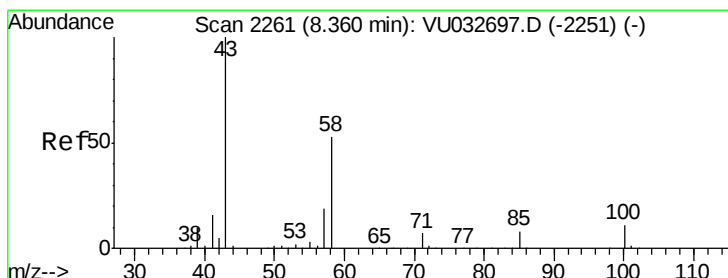
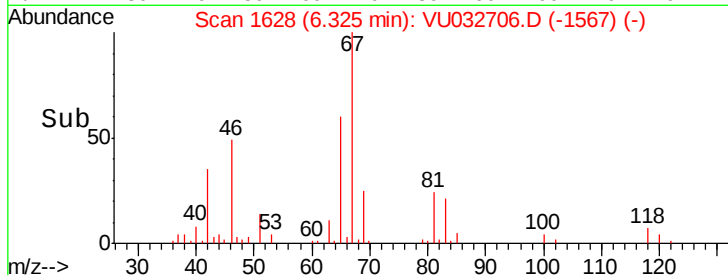
1000

500

0

6.30 6.35

Time-->



#48

2-Hexanone

Concen: 1.675 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU032706.D

Acq: 13 Jun 2019 20:07

Tgt Ion: 43 Resp: 6006

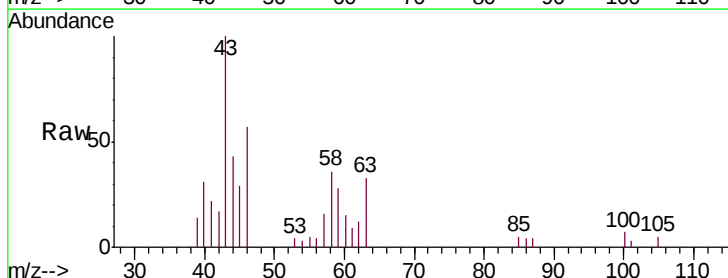
Ion Ratio Lower Upper

43 100

58 44.9 41.9 62.9

57 16.6 15.1 22.7

100 8.1 9.0 13.6#



Abundance Ion 43.05 (42.75 to 43.75): VU032706.D (-2168) (-)

Ion 58.05 (57.75 to 58.75): VU032706.D (-2168) (-)

Ion 57.20 (56.90 to 57.90): VU032706.D (-2168) (-)

Ion 100.15 (99.85 to 100.85): VU032706.D (-2168) (-)

8.37

6000

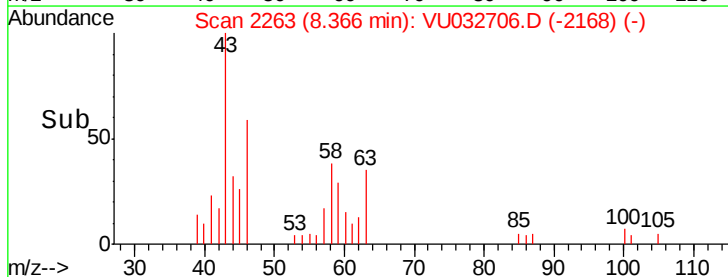
4000

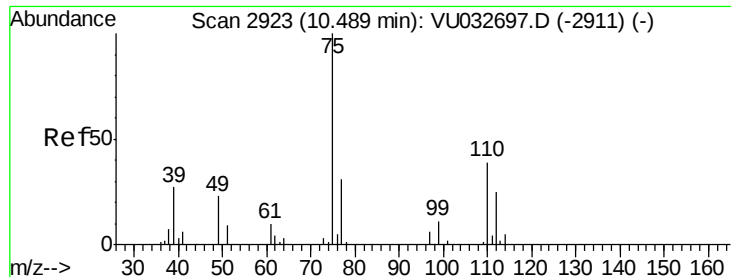
2000

0

8.35 8.40

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.043 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032706.D

Acq: 13 Jun 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

COM28

Tgt Ion: 75 Resp: 4830

Ion Ratio Lower Upper

75 100

77 46.2 25.3 37.9#

