

Data File : VU032661.D
Acq On : 12 Jun 2019 18:48
Operator : JC/SP
Sample : K3313-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
COLY3

Quant Time: Jun 13 06:01:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:57:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	172734	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	165115	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	81293	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	50148	44.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.50%
7) Chloroethane-d5	1.68	69	40817	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.64%
11) 1,1-Dichloroethene-d2	2.27	63	74844	34.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.22%
21) 2-Butanone-d5	4.17	46	89784	95.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.73%
24) Chloroform-d	4.64	84	95967	45.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.82%
26) 1,2-Dichloroethane-d4	5.31	65	64512	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.00%
32) Benzene-d6	5.33	84	195148	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
36) 1,2-Dichloropropane-d6	6.32	67	63125	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.92%
41) Toluene-d8	7.56	98	177927	43.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.56%
43) trans-1,3-Dichloropropene-	7.85	79	28115	43.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.42%
47) 2-Hexanone-d5	8.31	63	56037	85.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.95%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	85241	43.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.54%
64) 1,2-Dichlorobenzene-d4	11.85	152	73530	47.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.44%

Target Compounds

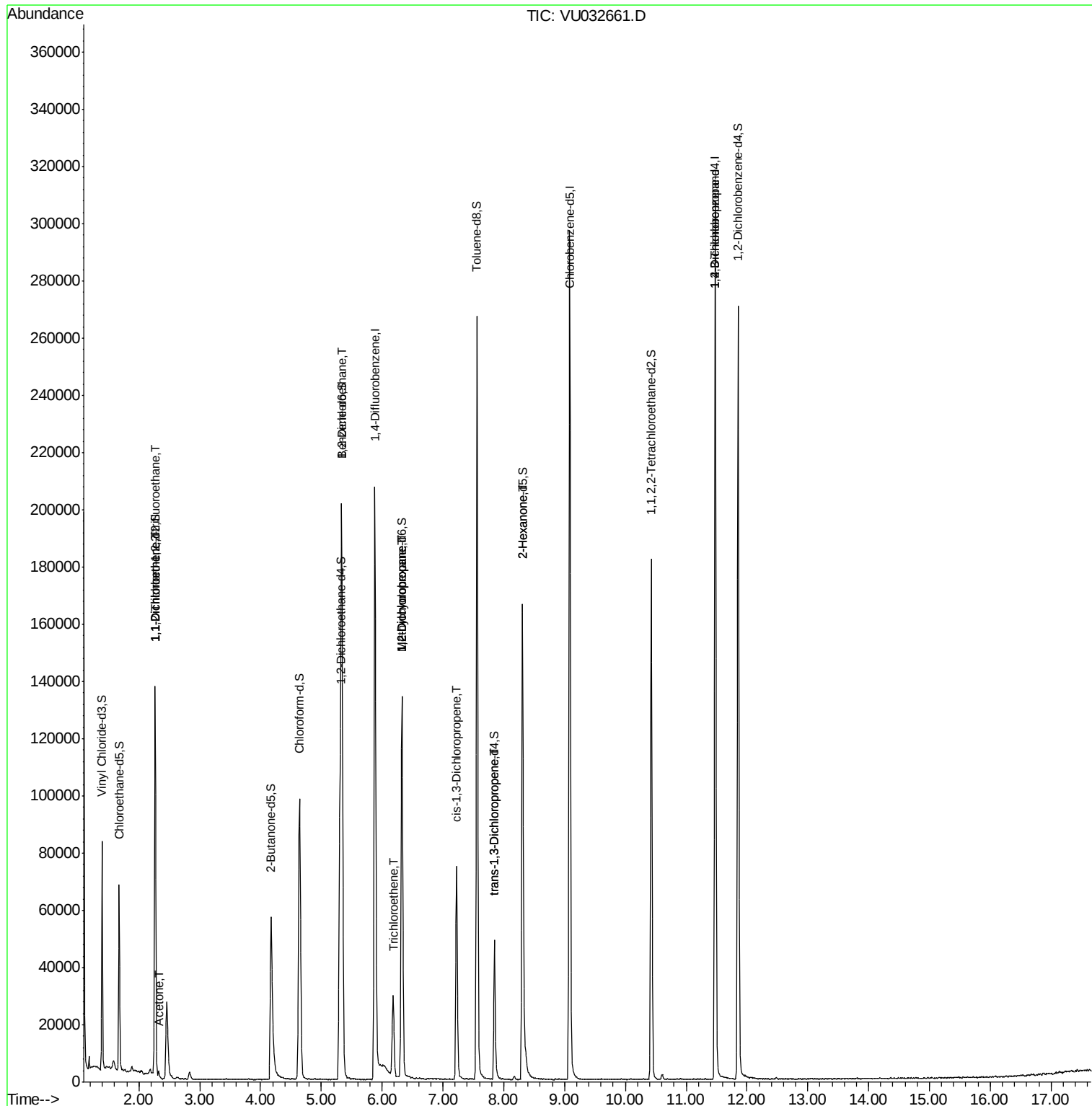
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	703	0.666	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1013	0.988	ug/L #	1
13) Acetone	2.32	43	2085	2.155	ug/L	59
27) 1,2-Dichloroethane	5.34	62	1177	0.713	ug/L #	75
34) Trichloroethene	6.18	95	8251	6.537	ug/L	95
35) Methylcyclohexane	6.32	83	14231	6.965	ug/L #	19
37) 1,2-Dichloropropane	6.33	63	6712	5.458	ug/L #	88
39) cis-1,3-Dichloropropene	7.23	75	2009	1.035	ug/L	89
44) trans-1,3-Dichloropropene	7.85	75	1271	0.738	ug/L #	82
48) 2-Hexanone	8.31	43	7733	4.759	ug/L #	73
59) 1,2,3-Trichloropropane	11.48	75	9444	5.907	ug/L	89

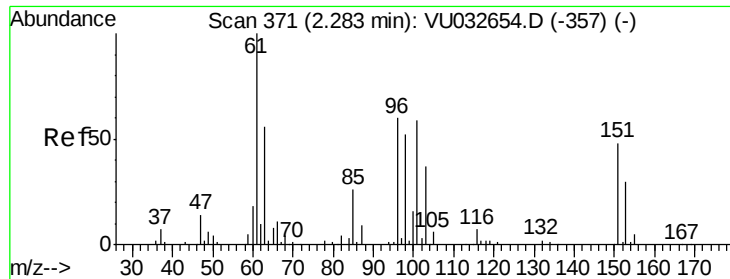
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:57:37 2019
Response via : Initial Calibration





#10

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

Concen: 0.666 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032661.D

Acq: 12 Jun 2019 18:48

Instrument :

MSVOA_U

ClientSampleId :

C0LY3

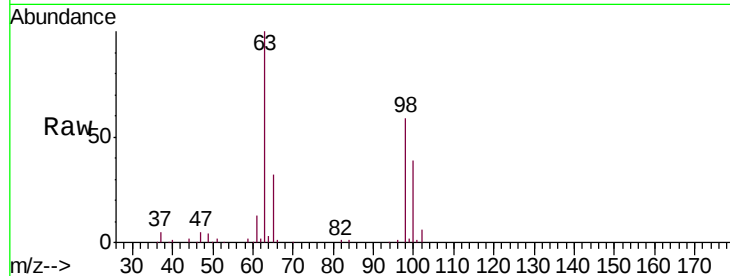
Tgt Ion: 101 Resp: 703

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

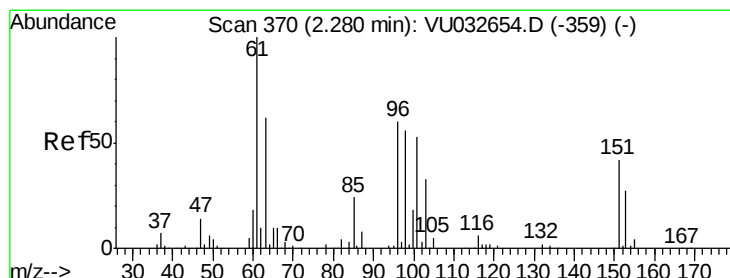
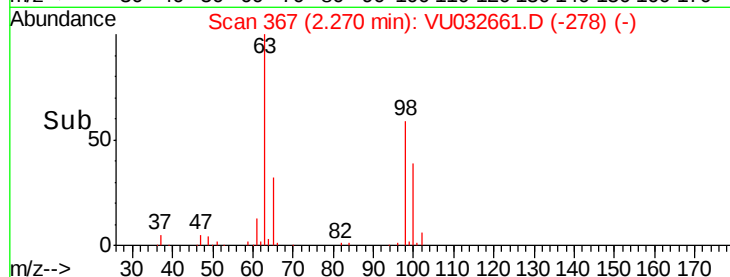
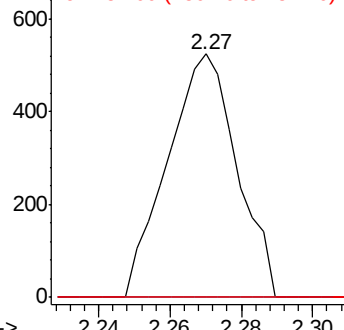
151 0.0 63.0 94.4#



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



#12

1,1-Dichloroethene

Concen: 0.988 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU032661.D

Acq: 12 Jun 2019 18:48

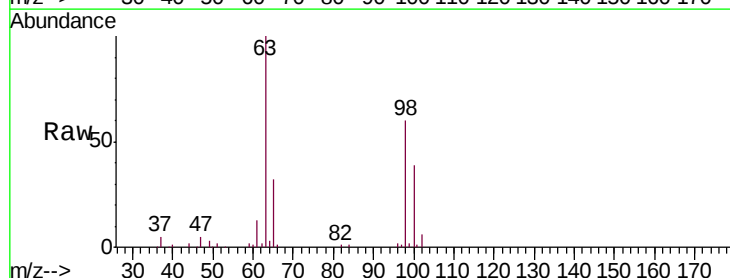
Tgt Ion: 96 Resp: 1013

Ion Ratio Lower Upper

96 100

61 813.7 129.5 240.5#

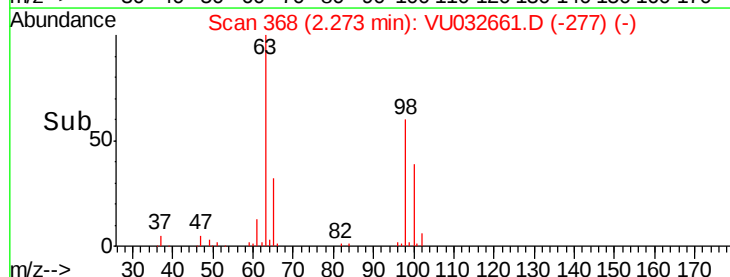
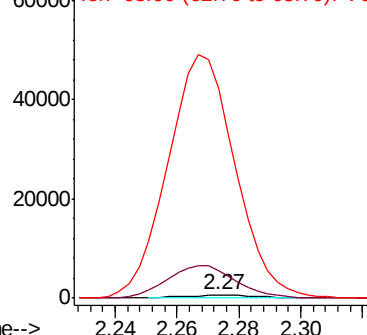
63 6153.6 103.4 192.0#

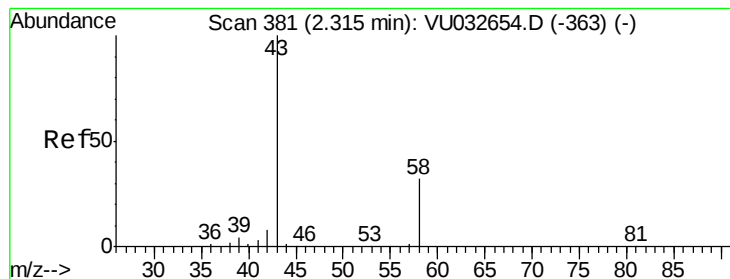


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.155 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU032661.D

Acq: 12 Jun 2019 18:48

Instrument :

MSVOA_U

ClientSampled :

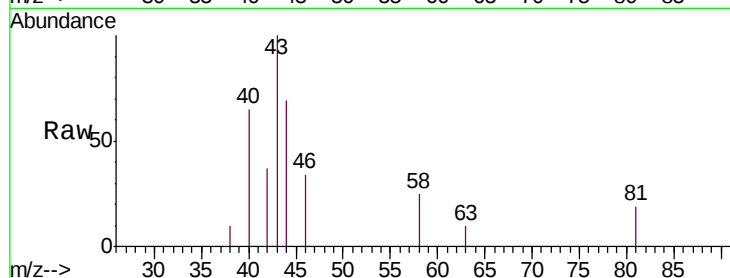
C0LY3

Tgt Ion: 43 Resp: 2085

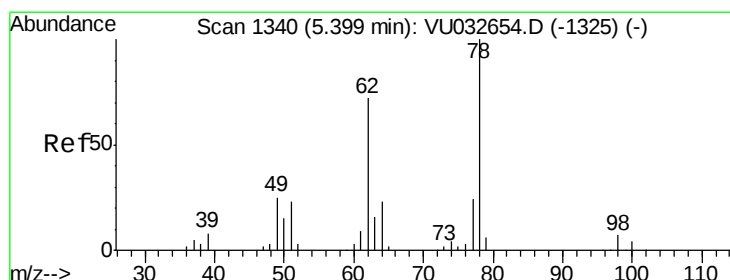
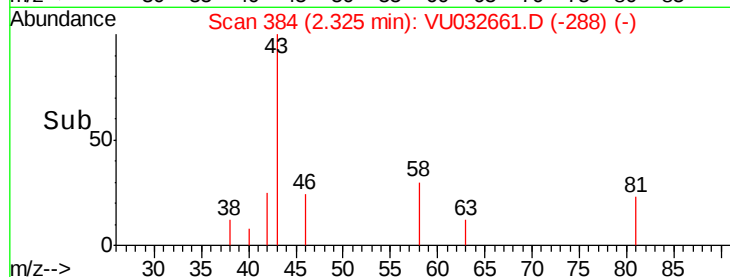
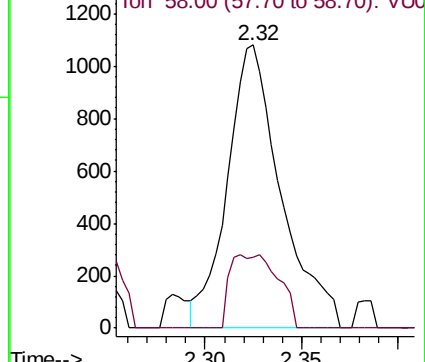
Ion Ratio Lower Upper

43 100

58 9.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032661.D (-288) (-)



#27

1,2-Dichloroethane

Concen: 0.713 ug/L

RT: 5.34 min Scan# 1321

Delta R.T. -0.06 min

Lab File: VU032661.D

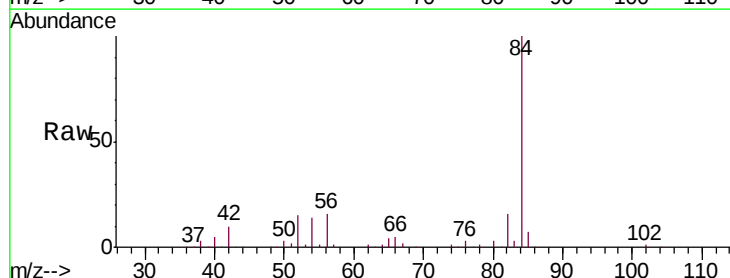
Acq: 12 Jun 2019 18:48

Tgt Ion: 62 Resp: 1177

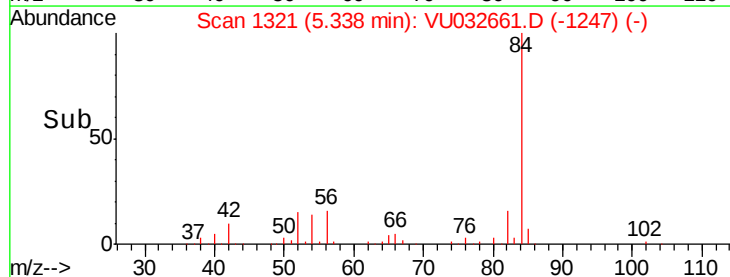
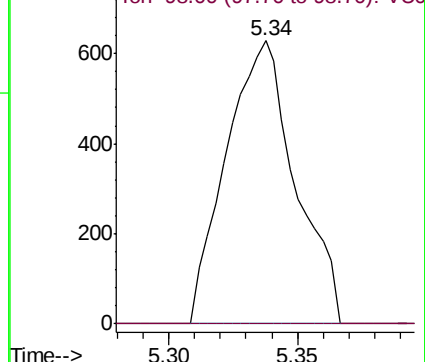
Ion Ratio Lower Upper

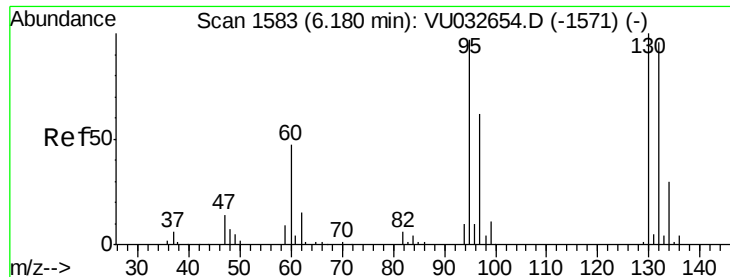
62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032661.D (-1247) (-)





#34

Trichloroethene

Concen: 6.537 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032661.D

Acq: 12 Jun 2019 18:48

Instrument :

MSVOA_U

ClientSampleId :

C0LY3

Tgt Ion: 95 Resp: 8251

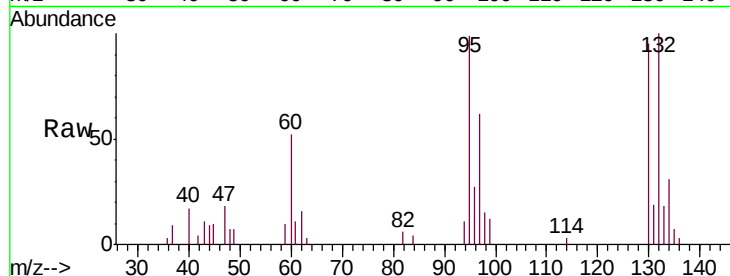
Ion Ratio Lower Upper

95 100

97 62.1 45.8 85.2

132 100.8 71.0 131.8

130 95.7 73.4 136.2

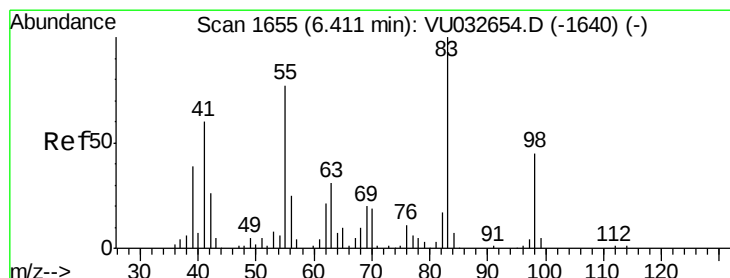
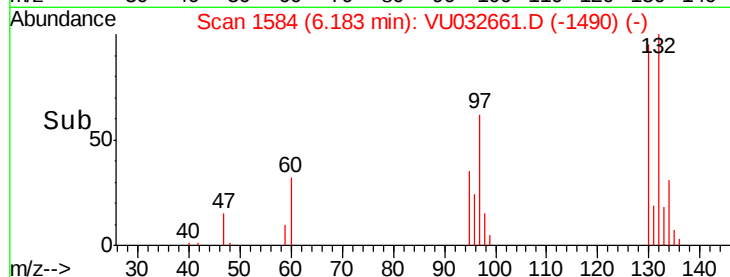
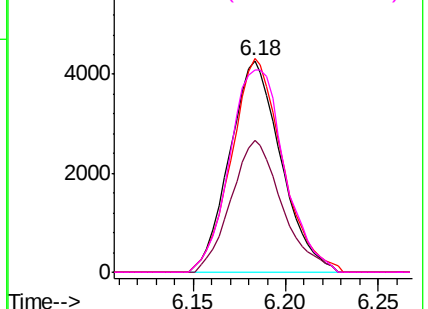


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 6.965 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.09 min

Lab File: VU032661.D

Acq: 12 Jun 2019 18:48

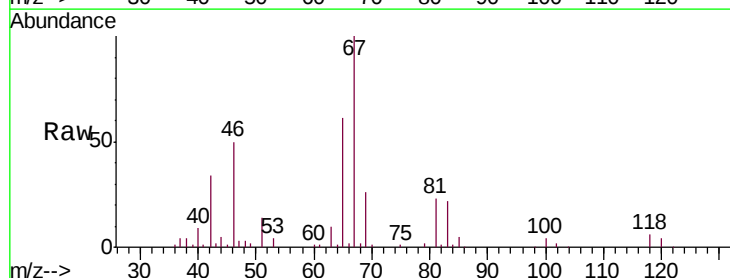
Tgt Ion: 83 Resp: 14231

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.4#

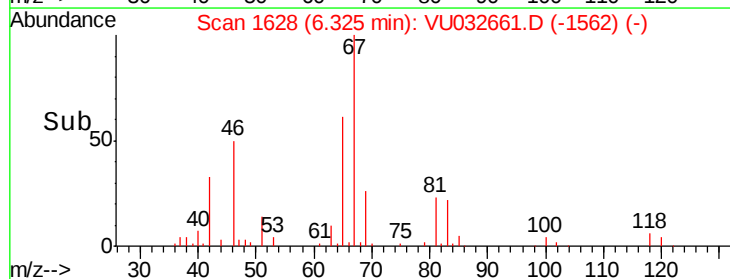
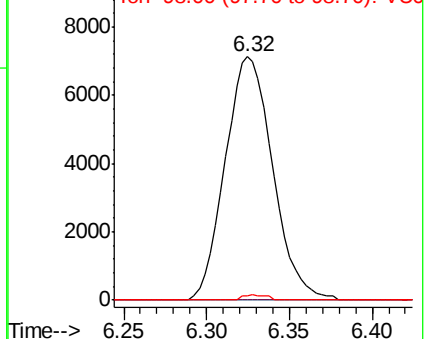
98 0.9 37.4 56.2#

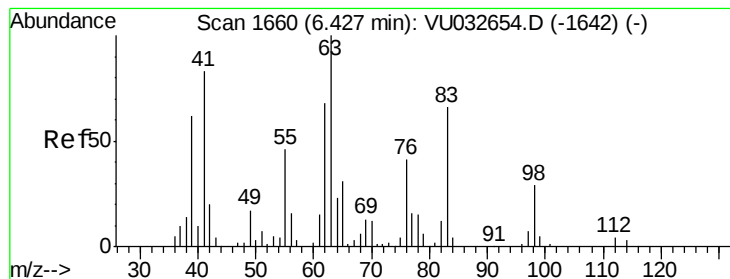


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 5.458 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032661.D

Acq: 12 Jun 2019 18:48

Instrument :

MSVOA_U

ClientSampleId :

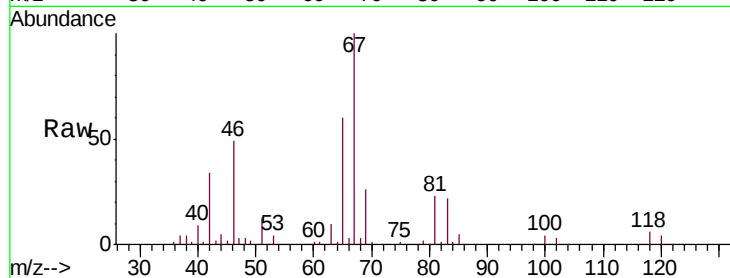
C0LY3

Tgt Ion: 63 Resp: 6712

Ion Ratio Lower Upper

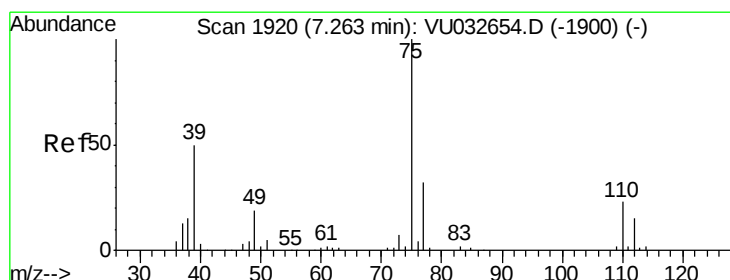
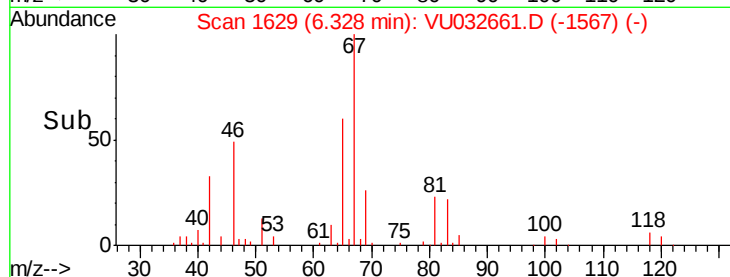
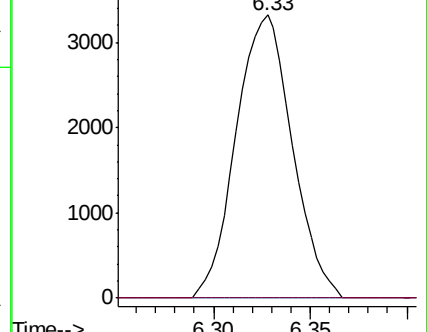
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU032661.D (-1567) (-)

Ion 112.00 (111.70 to 112.70): VU032661.D (-1567) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.035 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU032661.D

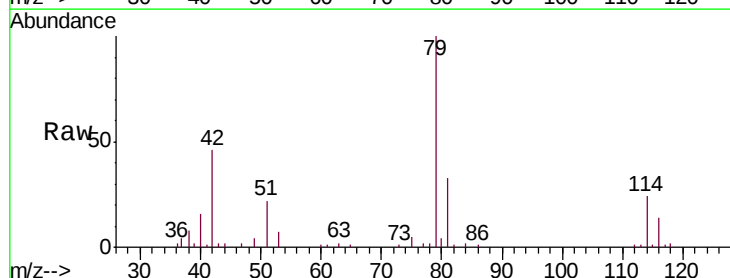
Acq: 12 Jun 2019 18:48

Tgt Ion: 75 Resp: 2009

Ion Ratio Lower Upper

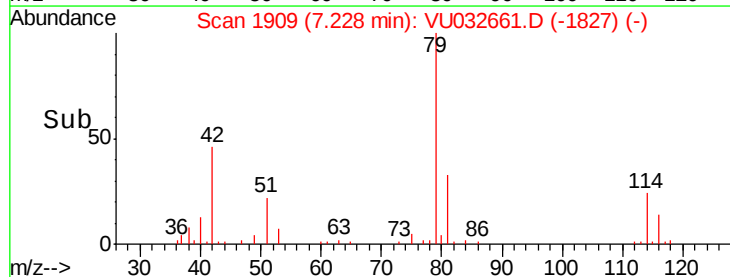
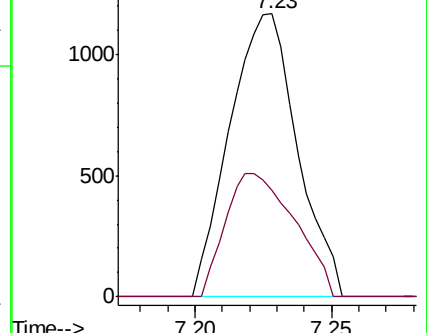
75 100

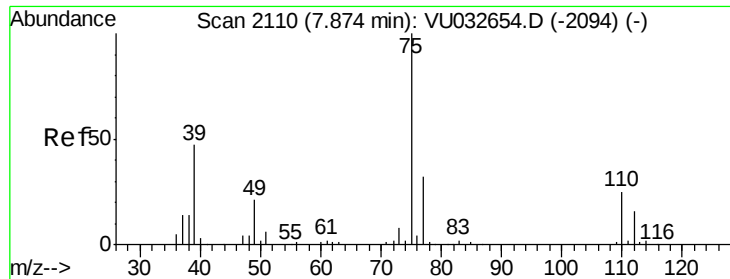
77 37.6 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU032661.D (-1827) (-)

Ion 77.00 (76.70 to 77.70): VU032661.D (-1827) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.738 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032661.D

Acq: 12 Jun 2019 18:48

Instrument :

MSVOA_U

ClientSampleId :

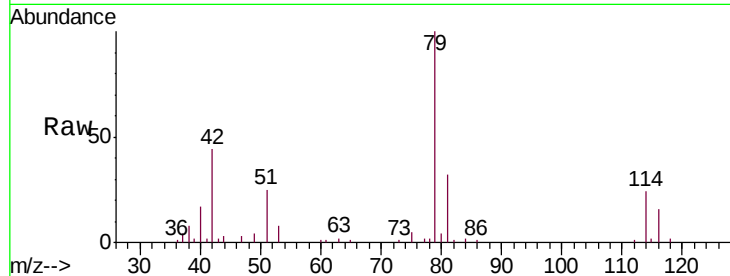
C0LY3

Tgt Ion: 75 Resp: 1271

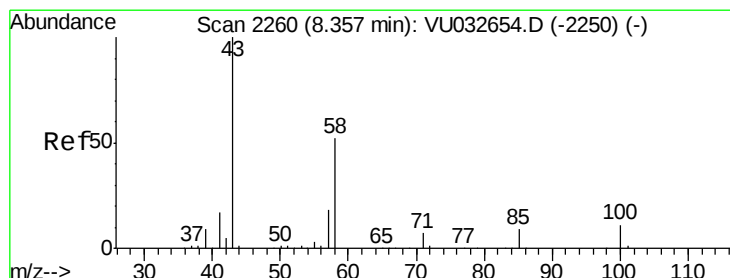
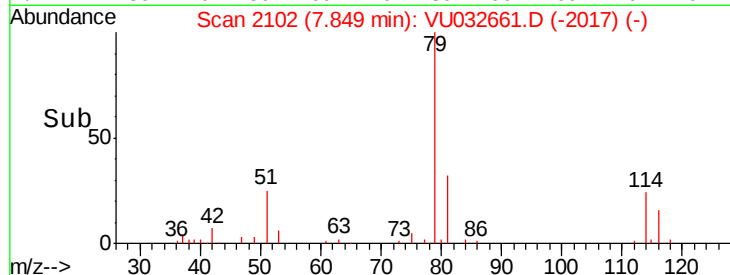
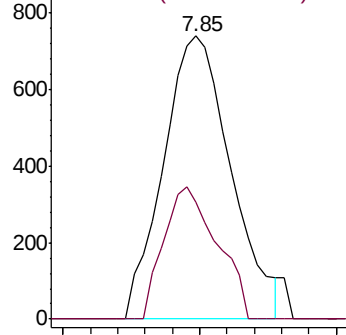
Ion Ratio Lower Upper

75 100

77 41.4 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU032654.D (-2094) (-)



#48

2-Hexanone

Concen: 4.759 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU032661.D

Acq: 12 Jun 2019 18:48

Tgt Ion: 43 Resp: 7733

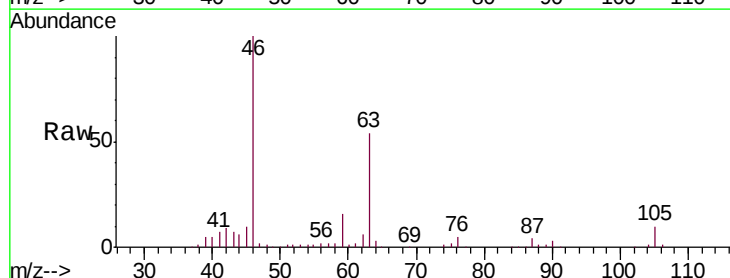
Ion Ratio Lower Upper

43 100

58 29.8 42.0 63.0#

57 22.4 14.6 22.0#

100 0.0 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VU032654.D (-2250) (-)

Ion 58.00 (57.70 to 58.70): VU032654.D (-2250) (-)

Ion 57.00 (56.70 to 57.70): VU032654.D (-2250) (-)

Ion 100.00 (99.70 to 100.70): VU032654.D (-2250) (-)

Abundance Ion 43.00 (42.70 to 43.70): VU032661.D (-2167) (-)

Ion 58.00 (57.70 to 58.70): VU032661.D (-2167) (-)

Ion 57.00 (56.70 to 57.70): VU032661.D (-2167) (-)

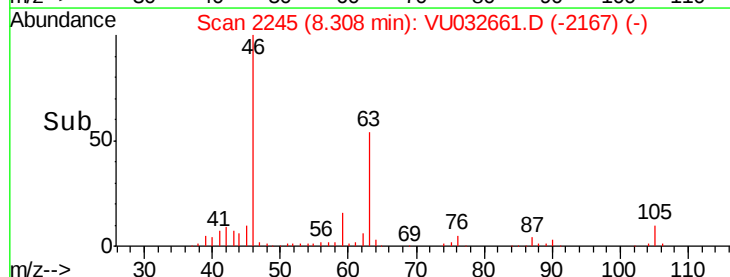
Ion 100.00 (99.70 to 100.70): VU032661.D (-2167) (-)

Abundance Ion 43.00 (42.70 to 43.70): VU032661.D (-2167) (-)

Ion 58.00 (57.70 to 58.70): VU032661.D (-2167) (-)

Ion 57.00 (56.70 to 57.70): VU032661.D (-2167) (-)

Ion 100.00 (99.70 to 100.70): VU032661.D (-2167) (-)



Abundance Ion 43.00 (42.70 to 43.70): VU032661.D (-2167) (-)

Ion 58.00 (57.70 to 58.70): VU032661.D (-2167) (-)

Ion 57.00 (56.70 to 57.70): VU032661.D (-2167) (-)

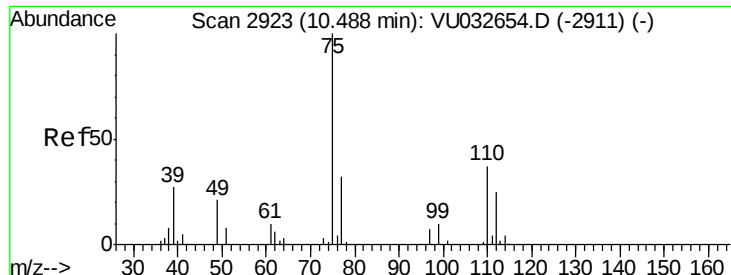
Ion 100.00 (99.70 to 100.70): VU032661.D (-2167) (-)

Abundance Ion 43.00 (42.70 to 43.70): VU032661.D (-2167) (-)

Ion 58.00 (57.70 to 58.70): VU032661.D (-2167) (-)

Ion 57.00 (56.70 to 57.70): VU032661.D (-2167) (-)

Ion 100.00 (99.70 to 100.70): VU032661.D (-2167) (-)



#59

1,2,3-Trichloropropane

Concen: 5.907 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032661.D

Acq: 12 Jun 2019 18:48

Instrument :

MSVOA_U

ClientSampleId :

C0LY3

Tgt Ion: 75 Resp: 9444

Ion Ratio Lower Upper

75 100

77 38.2 25.6 38.4

