

Data File : VU032658.D
Acq On : 12 Jun 2019 17:40
Operator : JC/SP
Sample : K3314-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
COM21

Quant Time: Jun 13 06:01:18 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	154065	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	144944	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	74538	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49862	49.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.76%
7) Chloroethane-d5	1.68	69	40140	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.94%
11) 1,1-Dichloroethene-d2	2.27	63	74109	37.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.74%
21) 2-Butanone-d5	4.17	46	86544	103.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.46%
24) Chloroform-d	4.64	84	93320	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.12%
26) 1,2-Dichloroethane-d4	5.31	65	62934	53.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.18%
32) Benzene-d6	5.33	84	186915	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.34%
36) 1,2-Dichloropropane-d6	6.32	67	60374	51.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.34%
41) Toluene-d8	7.56	98	170326	47.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.48%
43) trans-1,3-Dichloropropene-	7.85	79	27124	48.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.08%
47) 2-Hexanone-d5	8.31	63	52056	90.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.96%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	81241	47.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	71477	50.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.14%

Target Compounds

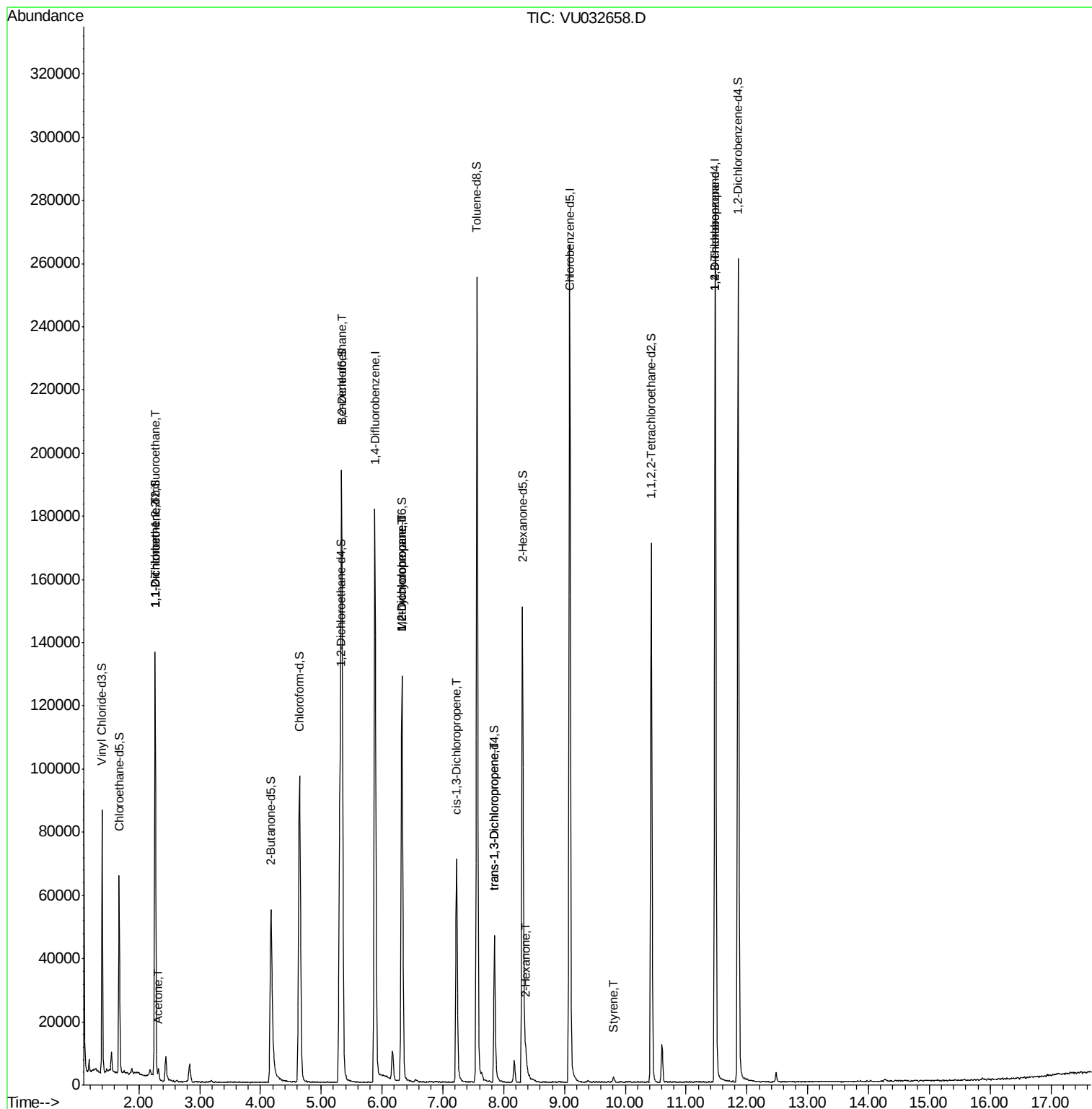
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	614	0.652	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	537	0.587	ug/L #	1
13) Acetone	2.32	43	3369	3.903	ug/L	85
27) 1,2-Dichloroethane	5.33	62	1151	0.781	ug/L #	75
35) Methylcyclohexane	6.32	83	13692	7.634	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	6971	6.457	ug/L #	88
39) cis-1,3-Dichloropropene	7.23	75	1982	1.164	ug/L	86
44) trans-1,3-Dichloropropene	7.85	75	1194	0.790	ug/L	99
48) 2-Hexanone	8.36	43	3050	2.138	ug/L #	60
55) Styrene	9.81	104	1337	0.427	ug/L #	75
59) 1,2,3-Trichloropropane	11.48	75	8860	6.313	ug/L	89

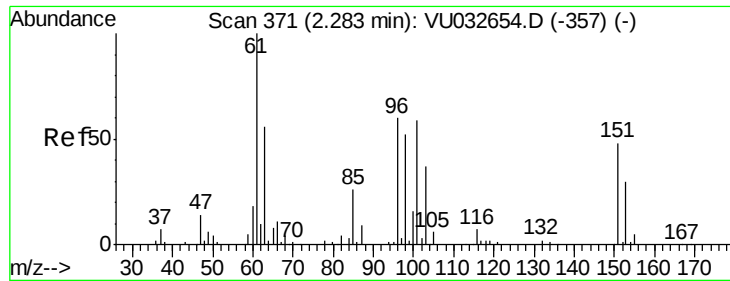
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.652 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

COM21

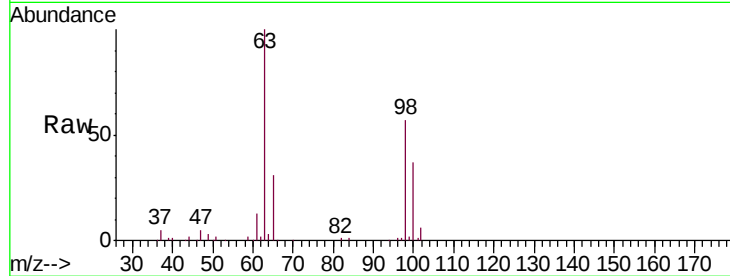
Tgt Ion: 101 Resp: 614

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

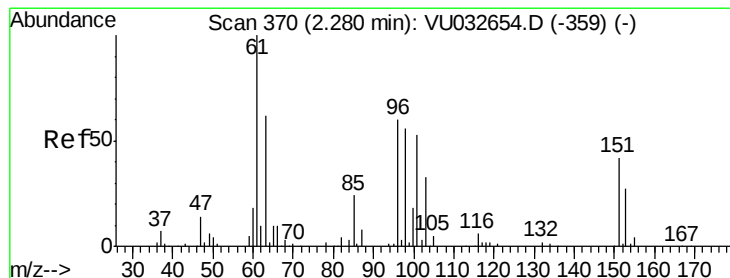
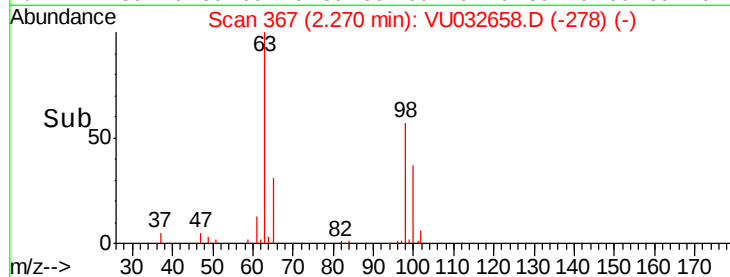
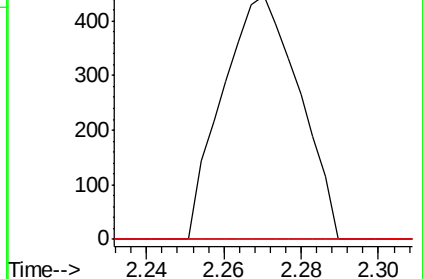
151 0.0 63.0 94.4#



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: 0.587 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032658.D

Acq: 12 Jun 2019 17:40

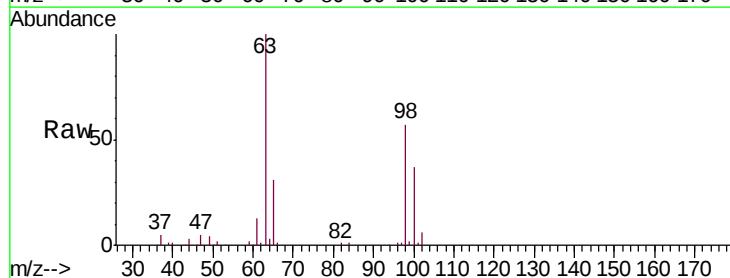
Tgt Ion: 96 Resp: 537

Ion Ratio Lower Upper

96 100

61 1695.3 129.5 240.5#

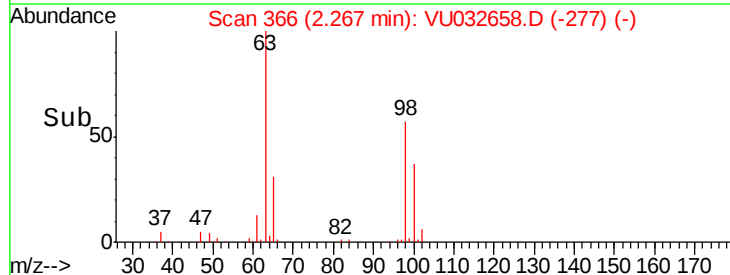
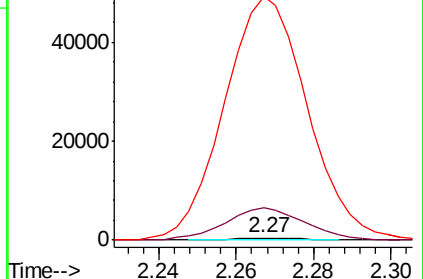
63 12760.6 103.4 192.0#

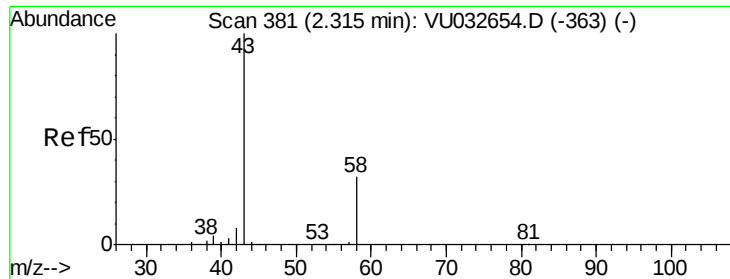


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.903 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032658.D

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Instrument :

MSVOA_U

ClientSampleId :

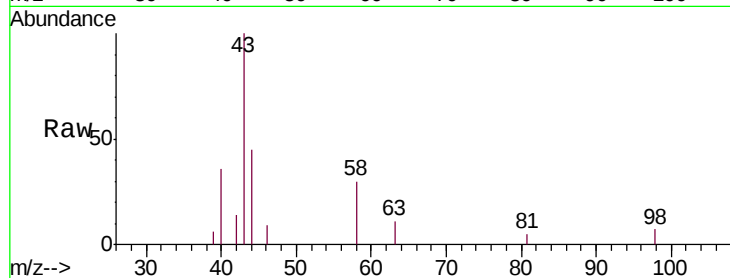
COM21

Tgt Ion: 43 Resp: 3369

Ion Ratio Lower Upper

43 100

58 23.7 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032658.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU032658.D (-288) (-)

2000

1500

1000

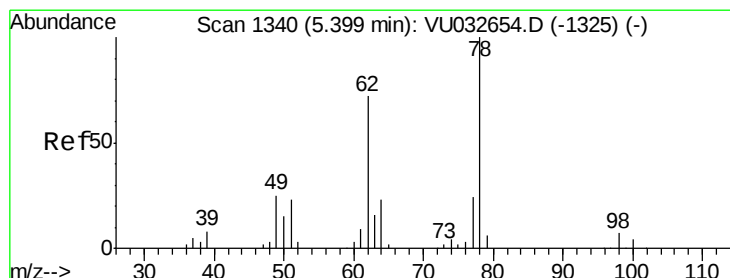
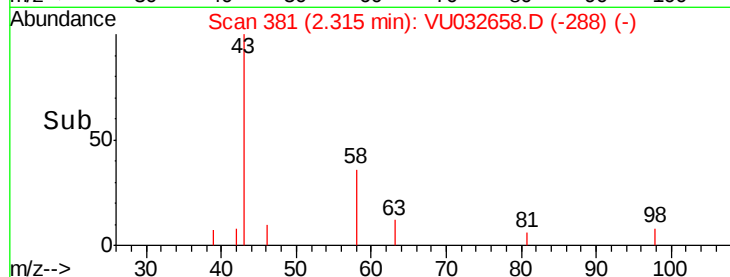
500

0

Time-->

2.25 2.30 2.35 2.40

2.32



#27

1,2-Dichloroethane

Concen: 0.781 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032658.D

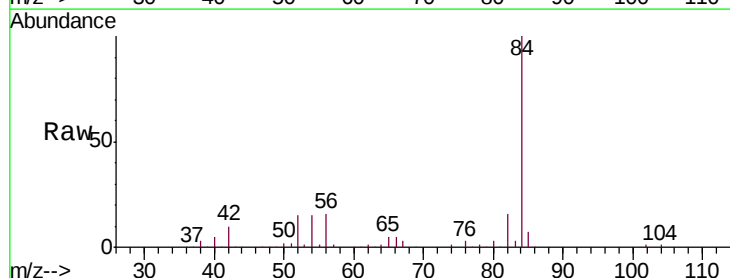
Acq: 12 Jun 2019 17:40

Tgt Ion: 62 Resp: 1151

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032658.D (-1247) (-)

Ion 98.00 (97.70 to 98.70): VU032658.D (-1247) (-)

800

600

400

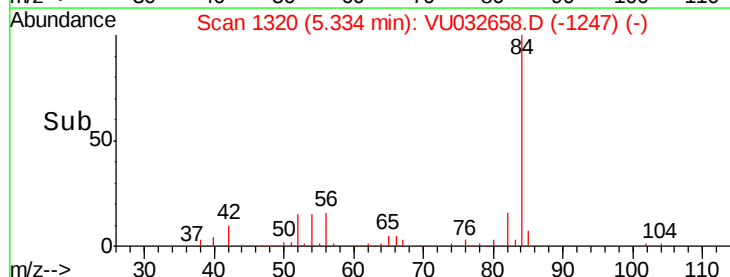
200

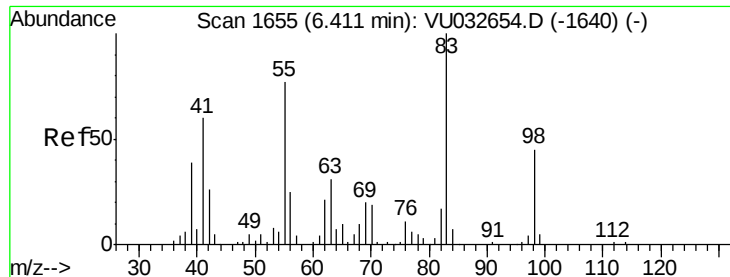
0

Time-->

5.30 5.35

5.33

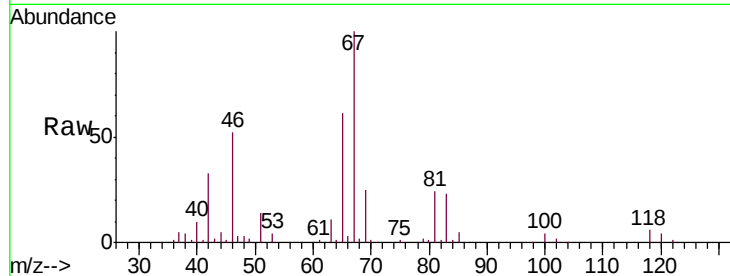




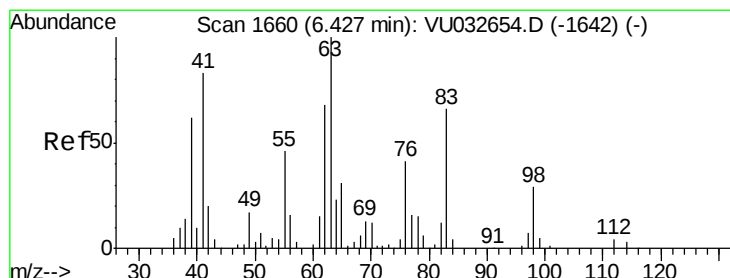
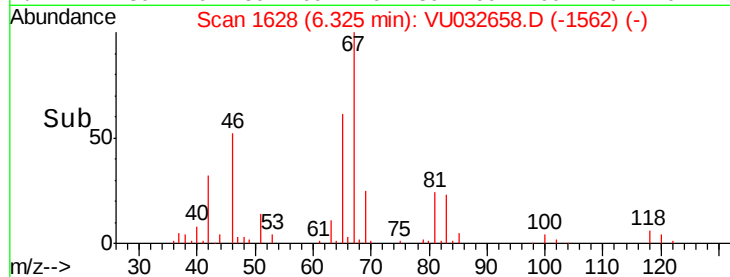
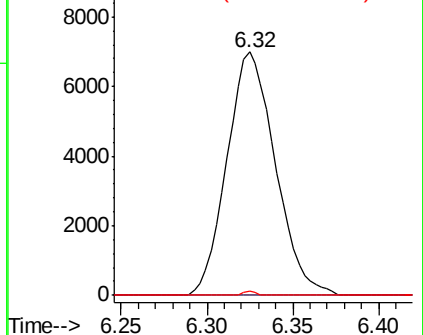
#35
Methylcyclohexane
Concen: 7.634 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.09 min
Lab File: VU032658.D
Acq: 12 Jun 2019 17:40

Instrument :
MSVOA_U
ClientSampleId :
COM21

Tgt Ion: 83 Resp: 13692
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.4#
98 0.5 37.4 56.2#

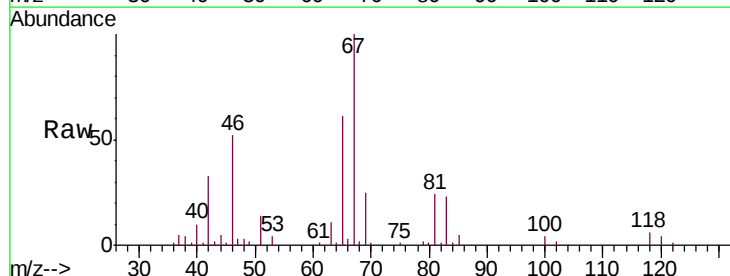


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

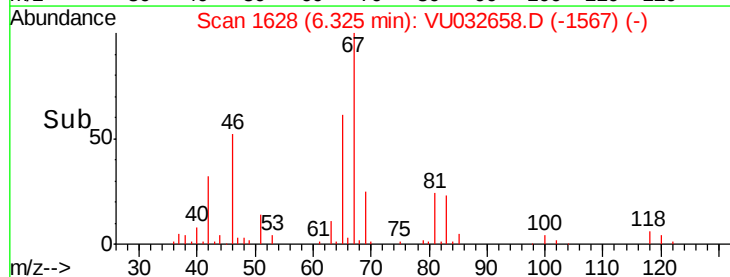
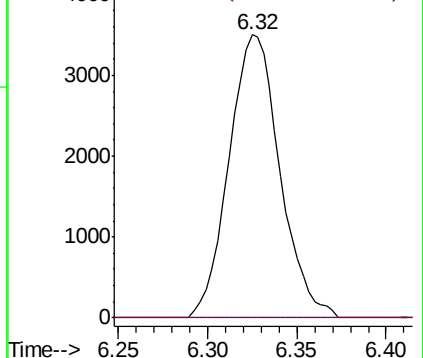


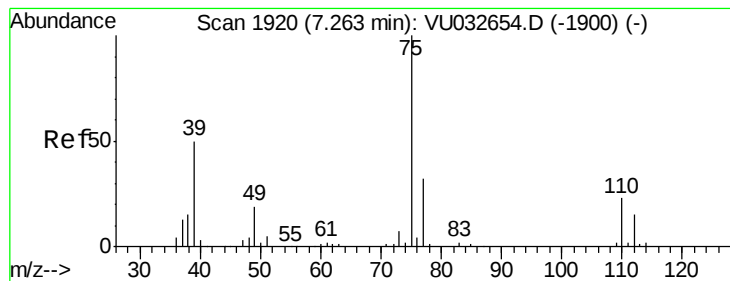
#37
1,2-Dichloropropane
Concen: 6.457 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032658.D
Acq: 12 Jun 2019 17:40

Tgt Ion: 63 Resp: 6971
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.164 ug/L

RT: 7.23 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032658.D

Acq: 12 Jun 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

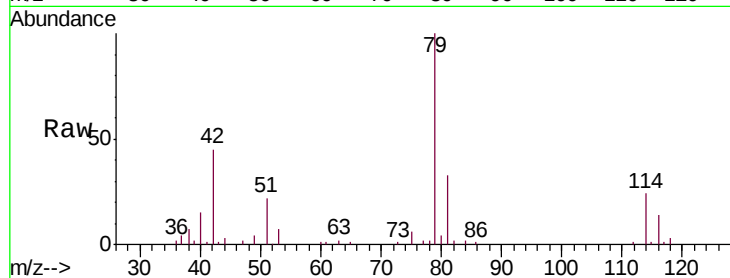
COM21

Tgt Ion: 75 Resp: 1982

Ion Ratio Lower Upper

75 100

77 39.5 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU032658.D (-1827) (-)

Ion 77.00 (76.70 to 77.70): VU032658.D (-1827) (-)

1500

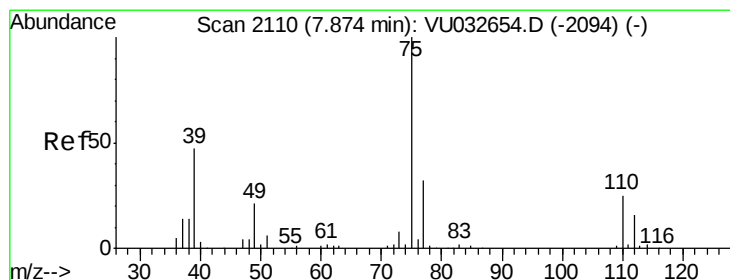
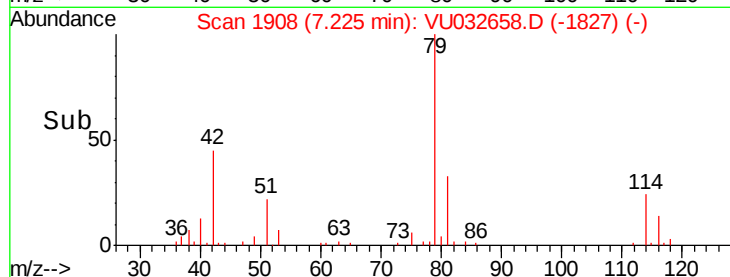
1000

500

0

7.20 7.23 7.25

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.790 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032658.D

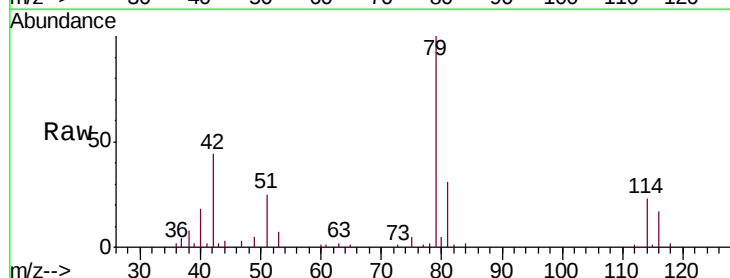
Acq: 12 Jun 2019 17:40

Tgt Ion: 75 Resp: 1194

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032658.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU032658.D (-2017) (-)

800

600

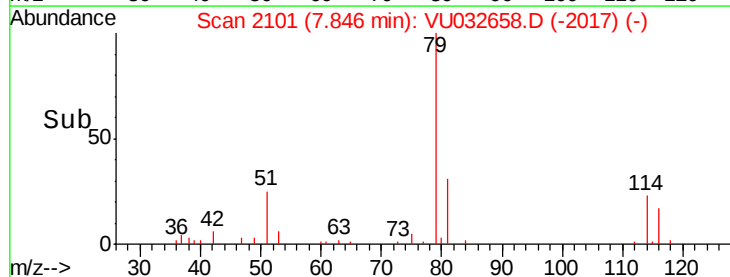
400

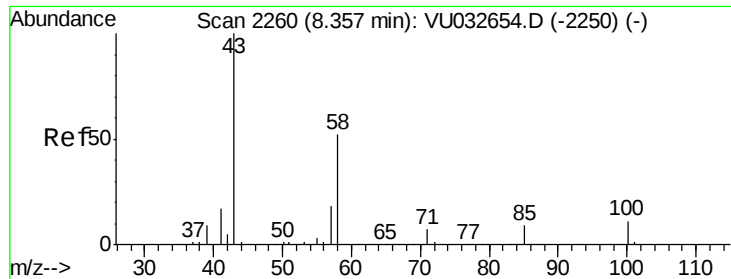
200

0

7.80 7.85 7.90

Time-->

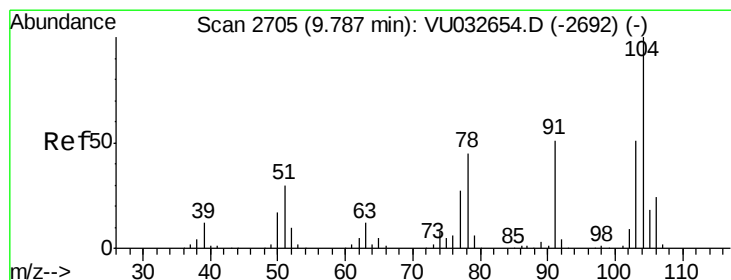
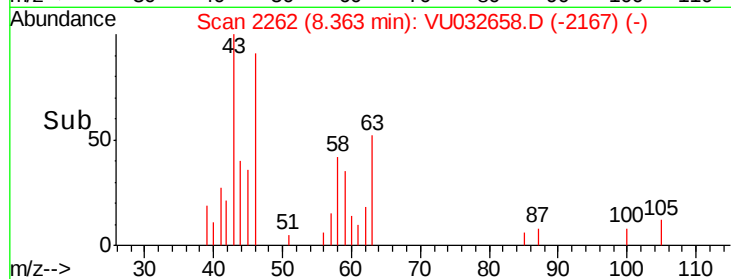
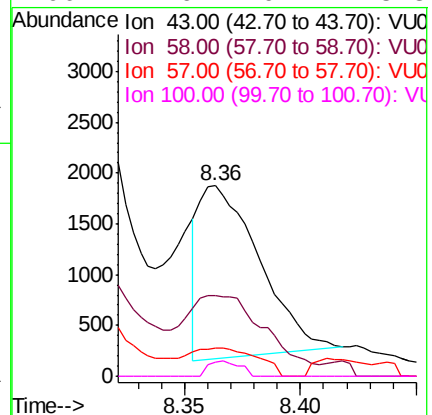
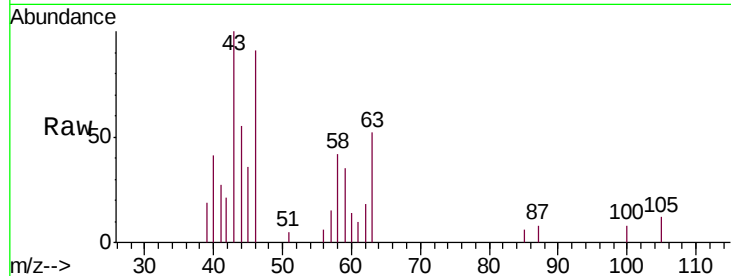




#48
2-Hexanone
Concen: 2.138 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU032658.D
Acq: 12 Jun 2019 17:40

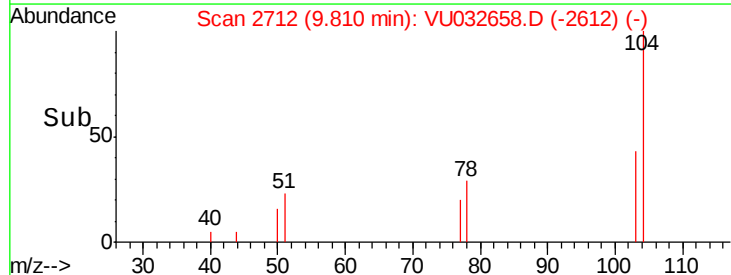
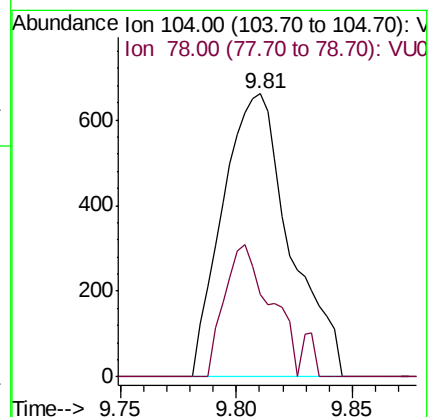
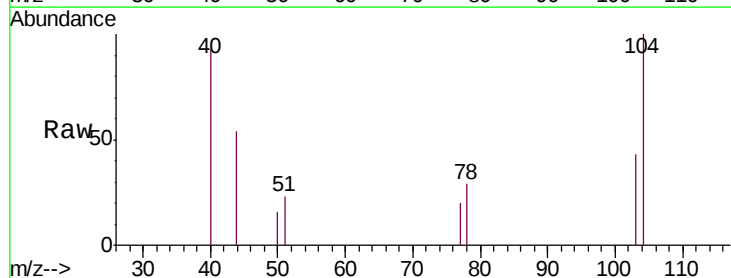
Instrument :
MSVOA_U
ClientSampled :
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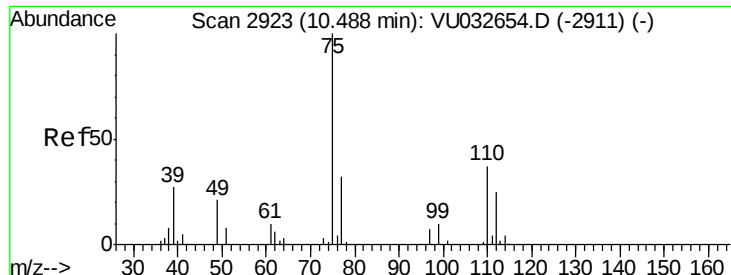
Tgt Ion: 43 Resp: 3050
Ion Ratio Lower Upper
43 100
58 10.7 42.0 63.0#
57 18.3 14.6 22.0
100 4.6 9.2 13.8#



#55
Styrene
Concen: 0.427 ug/L
RT: 9.81 min Scan# 2712
Delta R.T. 0.02 min
Lab File: VU032658.D
Acq: 12 Jun 2019 17:40

Tgt Ion: 104 Resp: 1337
Ion Ratio Lower Upper
104 100
78 29.0 31.6 58.6#





#59
 1,2,3-Trichloropropane
 Concen: 6.313 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032658.D
 Acq: 12 Jun 2019 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 COM21

Tgt Ion: 75 Resp: 8860
 Ion Ratio Lower Upper
 75 100
 77 38.0 25.6 38.4

