

Data File : VU032556.D
Acq On : 10 Jun 2019 11:04
Operator : JC/SP
Sample : K3277-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8B0

Quant Time: Jun 11 04:44:15 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	214225	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	199945	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	104302	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67524	48.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.16%
7) Chloroethane-d5	1.68	69	53412	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.64%
11) 1,1-Dichloroethene-d2	2.27	63	100408	36.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.80%
21) 2-Butanone-d5	4.17	46	127112	109.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.29%
24) Chloroform-d	4.64	84	121306	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.30	65	79971	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.94%
32) Benzene-d6	5.33	84	255234	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.34%
36) 1,2-Dichloropropane-d6	6.32	67	79810	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.06%
41) Toluene-d8	7.56	98	236267	48.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.85	79	39344	50.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.02%
47) 2-Hexanone-d5	8.31	63	82220	104.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114923	48.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	98772	49.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.88%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	919	0.702	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	797	0.627	ug/L #	1
13) Acetone	2.32	43	12016	10.012	ug/L	99
27) 1,2-Dichloroethane	5.33	62	1503	0.734	ug/L #	75
34) Trichloroethene	6.18	95	118858	77.766	ug/L	99
35) Methylcyclohexane	6.32	83	18648	7.537	ug/L #	20
37) 1,2-Dichloropropane	6.32	63	8957	6.015	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2709	1.153	ug/L #	67
42) Toluene	7.64	91	8481	1.378	ug/L	92
44) trans-1,3-Dichloropropene	7.85	75	1895	0.909	ug/L #	78
48) 2-Hexanone	8.36	43	5747	2.921	ug/L #	75
59) 1,2,3-Trichloropropane	11.48	75	12488	6.451	ug/L	89

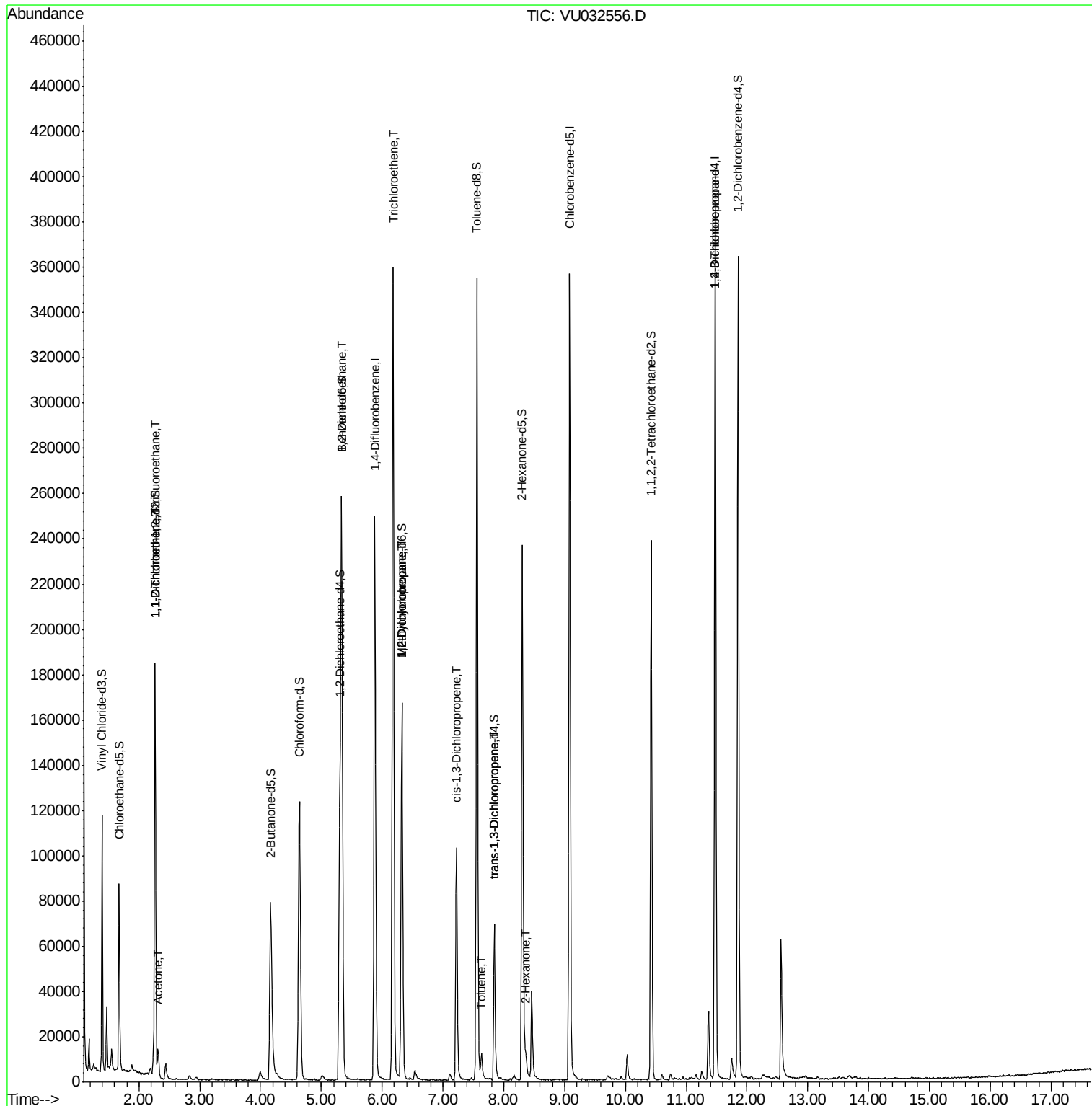
(#) = qualifier out of range (m) = manual integration (+) = signals summed

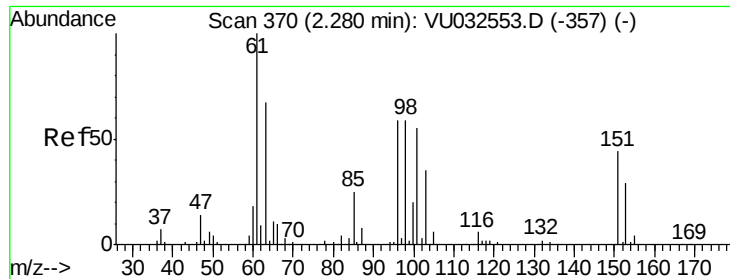
Data File : VU032556.D

```
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#10

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

Concen: 0.702 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032556.D

Acq: 10 Jun 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

DB8B0

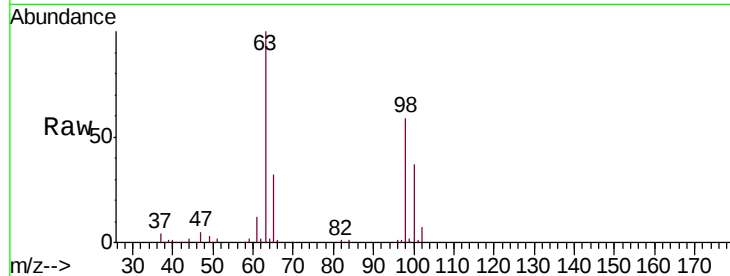
Tgt Ion: 101 Resp: 919

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

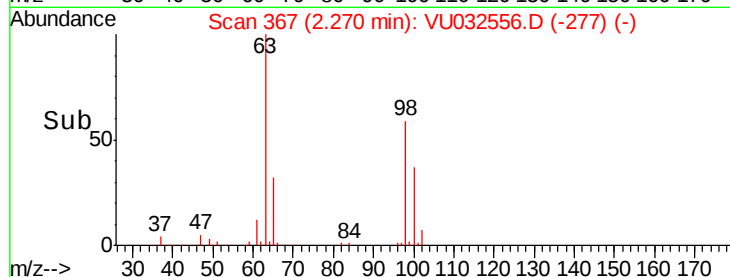
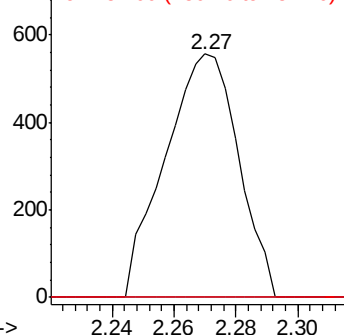
151 0.0 63.0 94.4#



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: 0.627 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032556.D

Acq: 10 Jun 2019 11:04

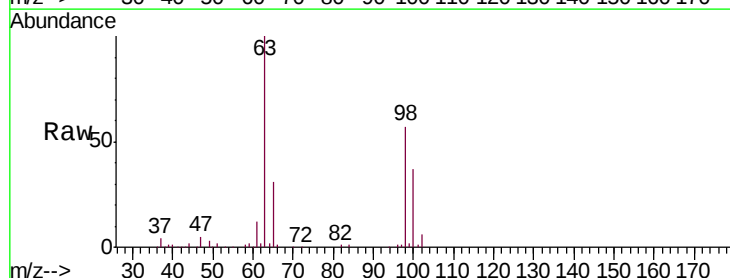
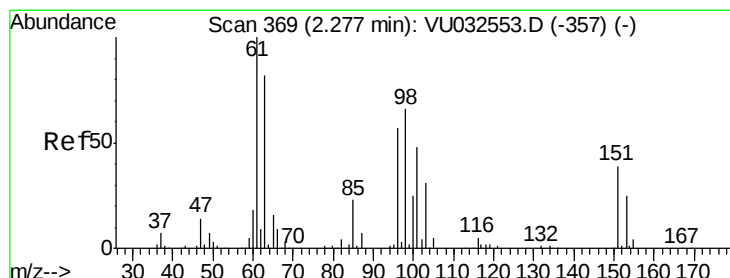
Tgt Ion: 96 Resp: 797

Ion Ratio Lower Upper

96 100

61 1486.9 129.5 240.5#

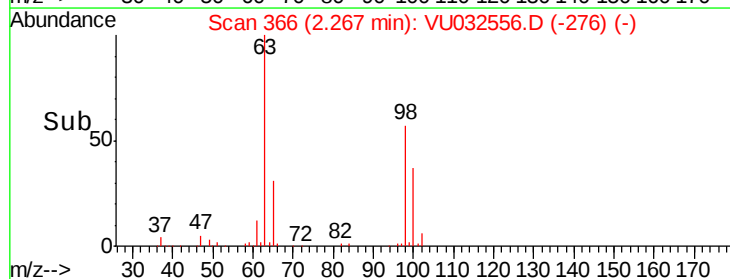
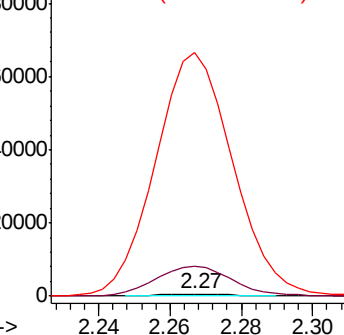
63 11919.7 103.4 192.0#

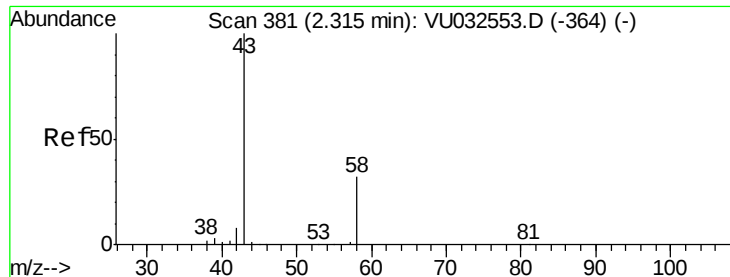


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.012 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032556.D

Acq: 10 Jun 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

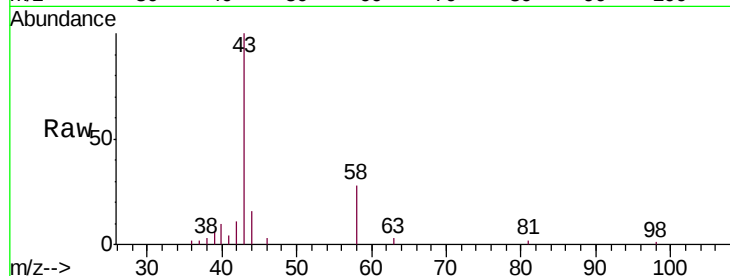
DB8B0

Tgt Ion: 43 Resp: 12016

Ion Ratio Lower Upper

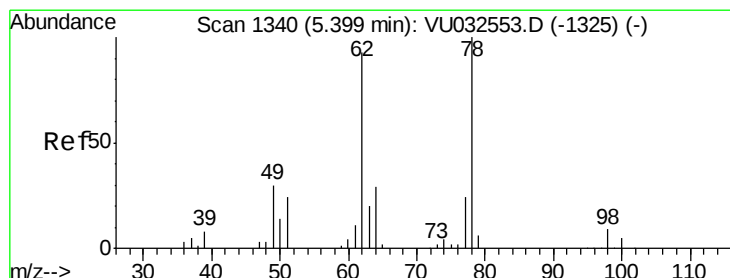
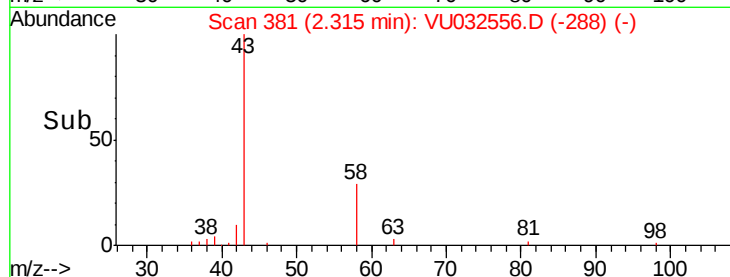
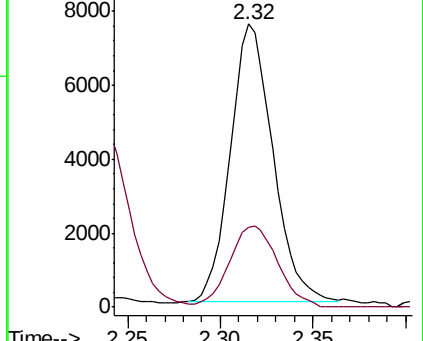
43 100

58 32.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032553.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU032553.D (-364) (-)



#27

1,2-Dichloroethane

Concen: 0.734 ug/L

RT: 5.33 min Scan# 1319

Delta R.T. -0.07 min

Lab File: VU032556.D

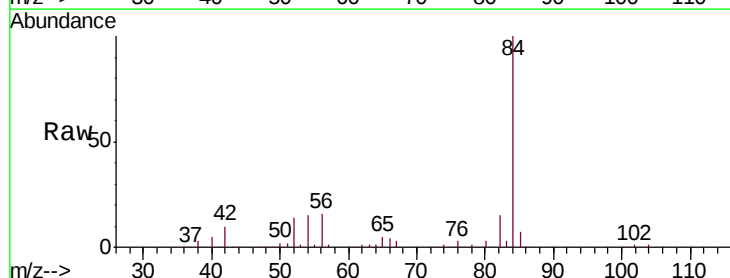
Acq: 10 Jun 2019 11:04

Tgt Ion: 62 Resp: 1503

Ion Ratio Lower Upper

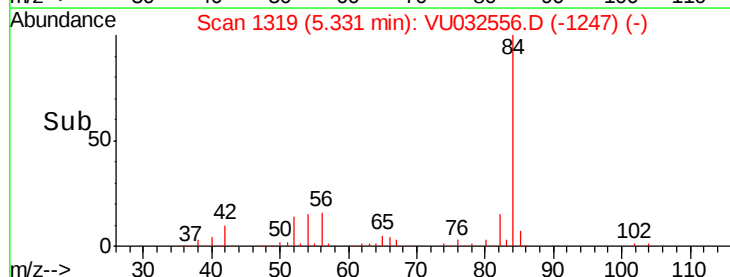
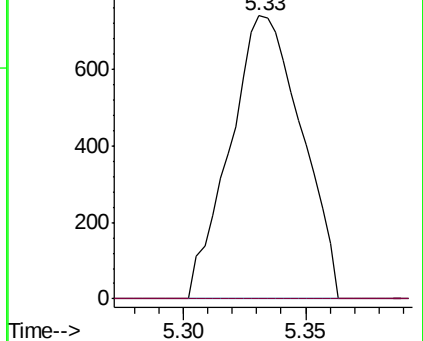
62 100

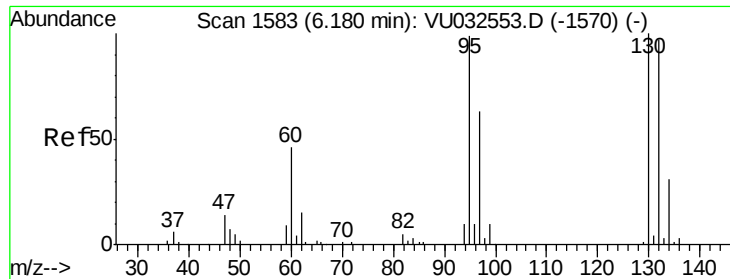
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032553.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032553.D (-1325) (-)





#34

Trichloroethene

Concen: 77.766 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032556.D

Acq: 10 Jun 2019 11:04

Instrument :

MSVOA_U

ClientSampled :

DB8B0

Tgt Ion: 95 Resp: 118858

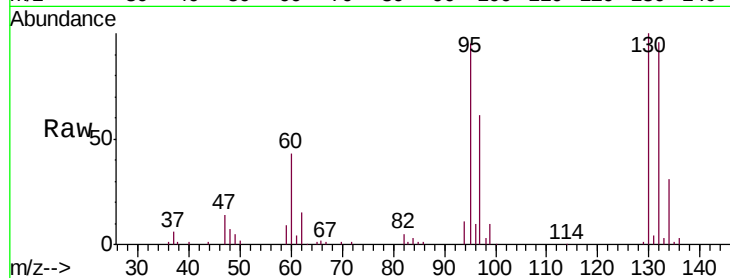
Ion Ratio Lower Upper

95 100

97 64.0 45.8 85.2

132 100.5 71.0 131.8

130 105.0 73.4 136.2

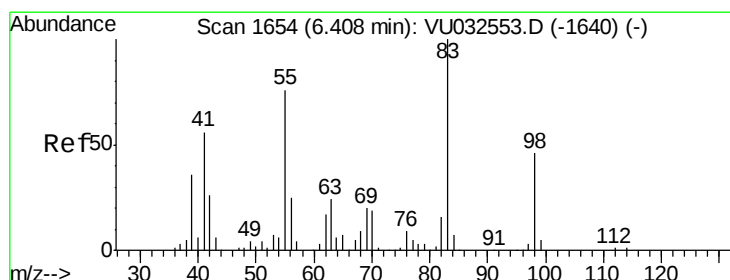
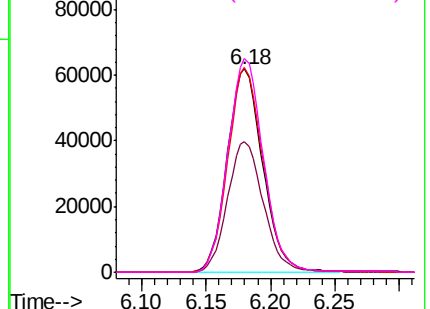
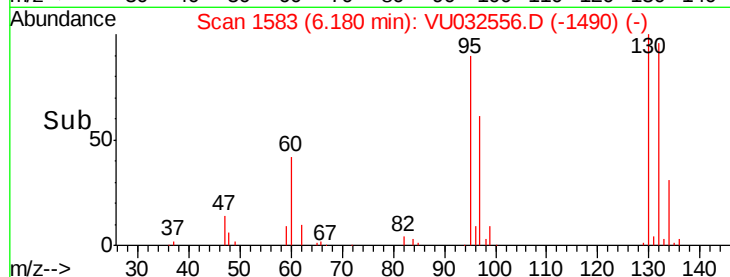


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 7.537 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032556.D

Acq: 10 Jun 2019 11:04

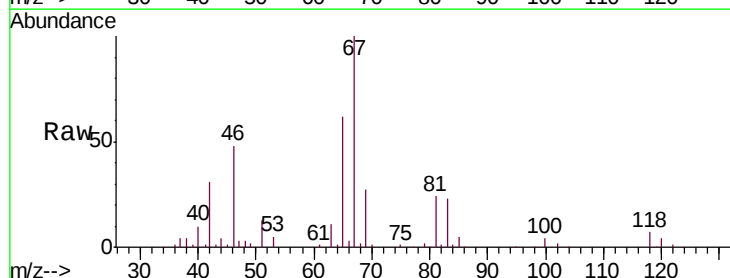
Tgt Ion: 83 Resp: 18648

Ion Ratio Lower Upper

83 100

55 1.3 60.2 90.4#

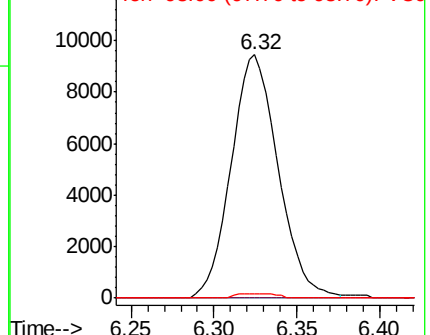
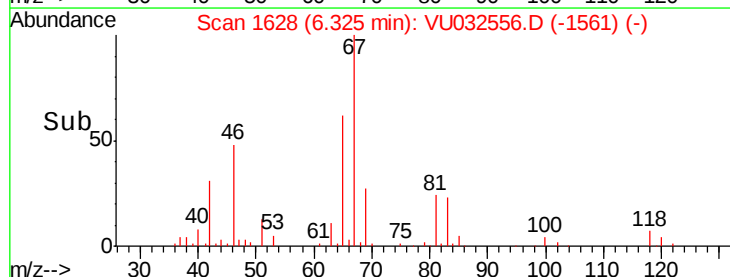
98 1.0 37.4 56.2#

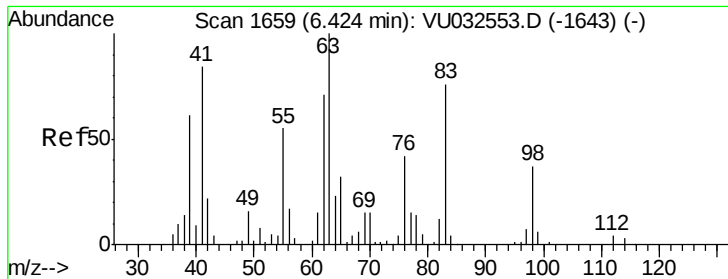


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 6.015 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032556.D

Acq: 10 Jun 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

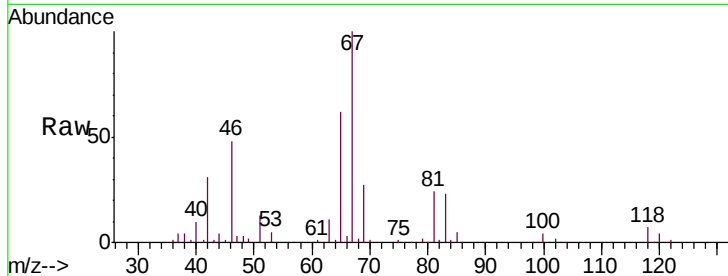
DB8B0

Tgt Ion: 63 Resp: 8957

Ion Ratio Lower Upper

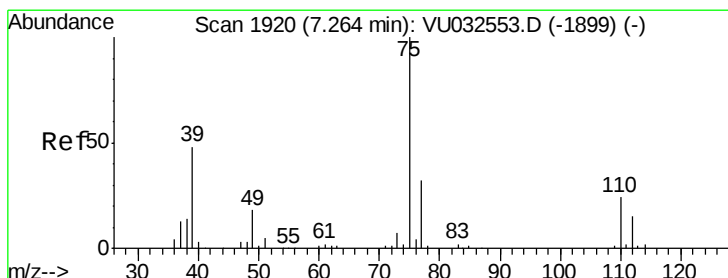
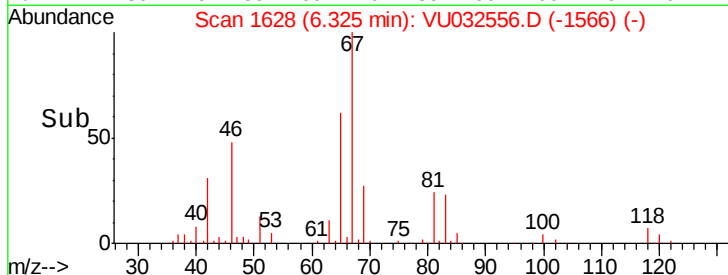
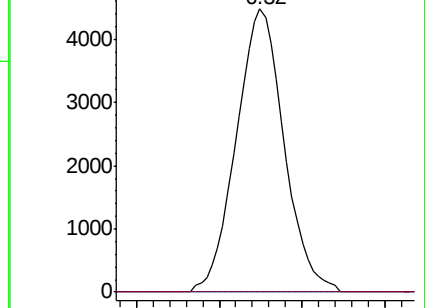
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU032553.D (-1643) (-)

Ion 112.00 (111.70 to 112.70): VU032553.D (-1643) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.153 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU032556.D

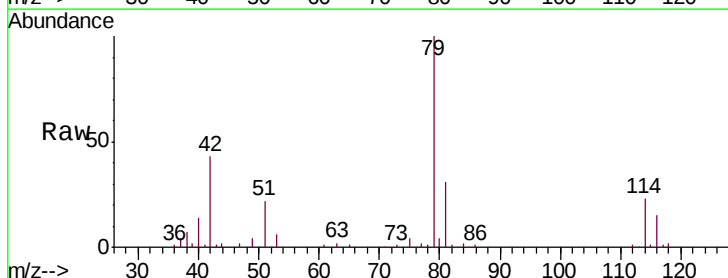
Acq: 10 Jun 2019 11:04

Tgt Ion: 75 Resp: 2709

Ion Ratio Lower Upper

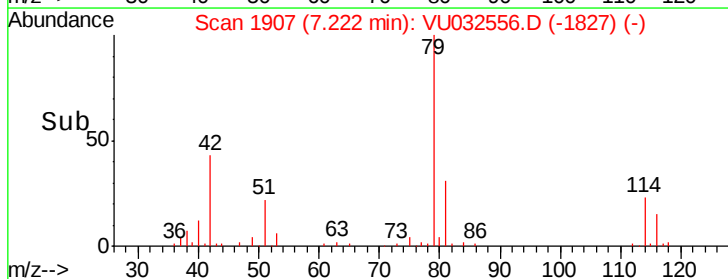
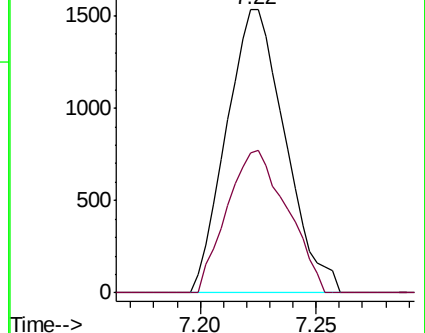
75 100

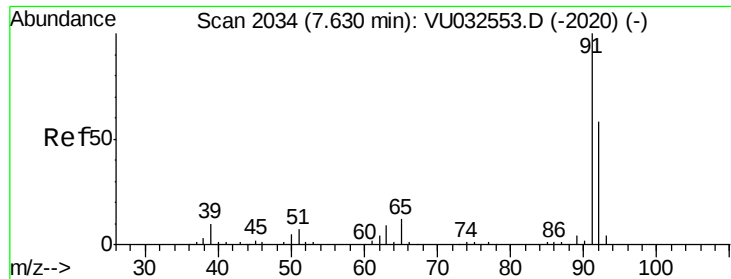
77 49.7 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU032553.D (-1899) (-)

Ion 77.00 (76.70 to 77.70): VU032553.D (-1899) (-)





#42

Toluene

Concen: 1.378 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU032556.D

Acq: 10 Jun 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

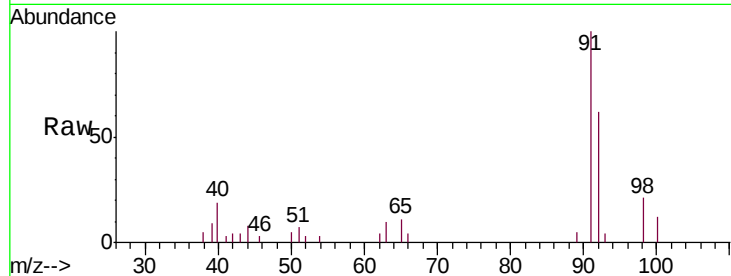
DB8B0

Tgt Ion: 91 Resp: 8481

Ion Ratio Lower Upper

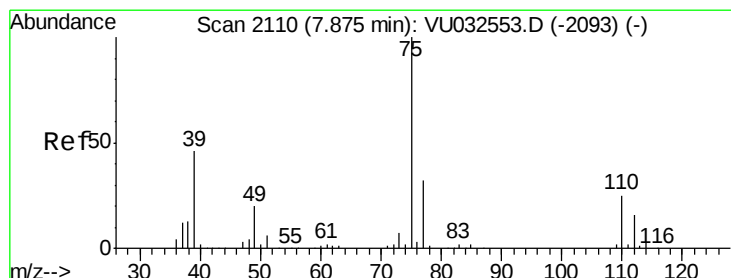
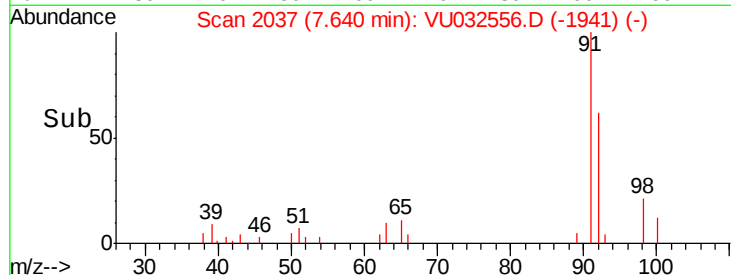
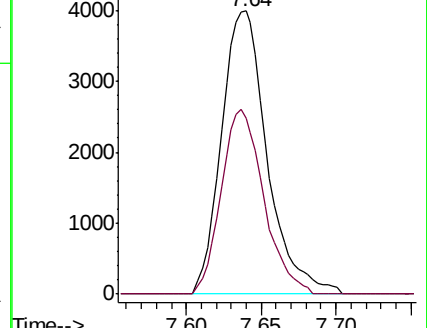
91 100

92 62.3 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032553.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032553.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.909 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032556.D

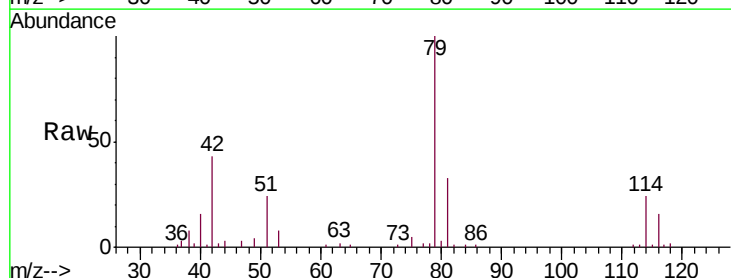
Acq: 10 Jun 2019 11:04

Tgt Ion: 75 Resp: 1895

Ion Ratio Lower Upper

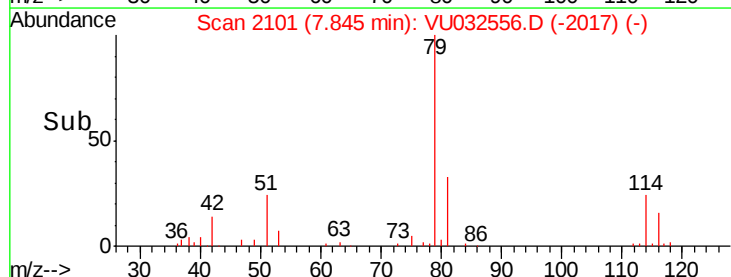
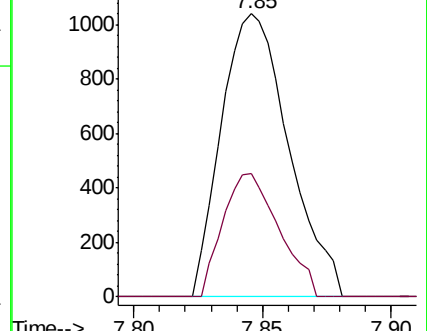
75 100

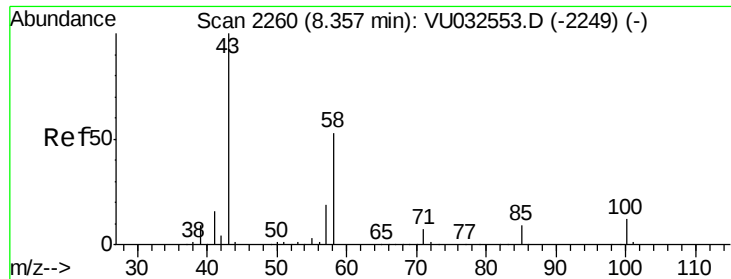
77 43.6 22.1 41.1#



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

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

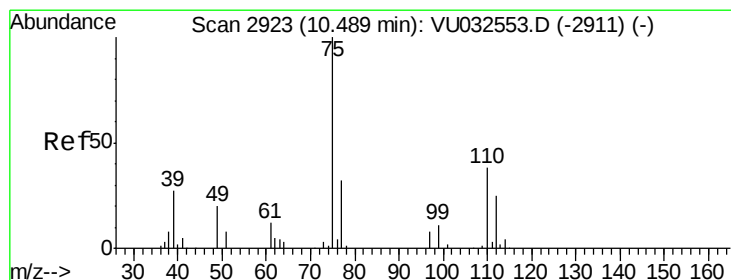
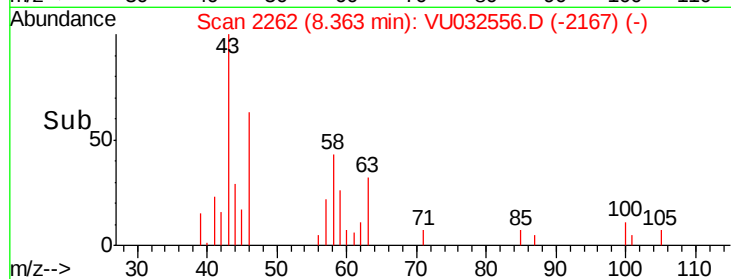
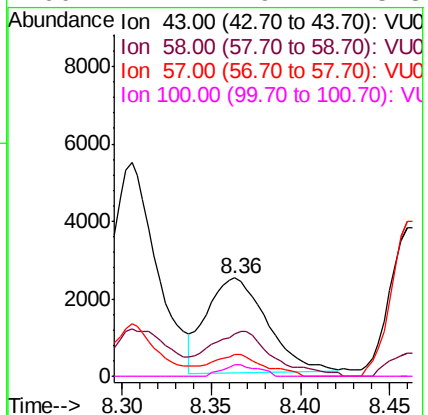
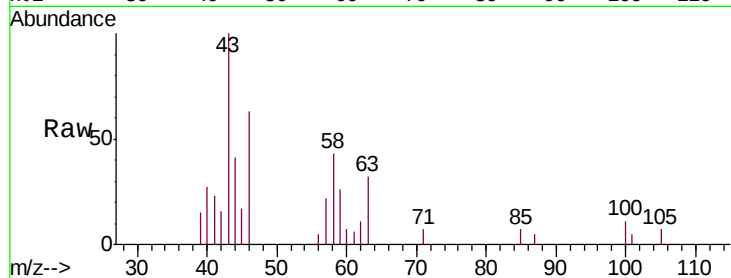




#48
2-Hexanone
Concen: 2.921 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU032556.D
Acq: 10 Jun 2019 11:04

Instrument :
MSVOA_U
ClientSampleId :
DB8B0

Tgt Ion: 43 Resp: 5747
Ion Ratio Lower Upper
43 100
58 31.5 42.0 63.0#
57 10.4 14.6 22.0#
100 7.2 9.2 13.8#



#59
1,2,3-Trichloropropane
Concen: 6.451 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032556.D
Acq: 10 Jun 2019 11:04

Tgt Ion: 75 Resp: 12488
Ion Ratio Lower Upper
75 100
77 38.3 25.6 38.4

