

Data File : VU032643.D
Acq On : 12 Jun 2019 11:53
Operator : JC/SP
Sample : K3286-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JS4

Quant Time: Jun 13 05:04:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:01:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	170994	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	162302	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	80650	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58061	52.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.68%
7) Chloroethane-d5	1.68	69	46643	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.64%
11) 1,1-Dichloroethene-d2	2.27	63	86195	39.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.36%
21) 2-Butanone-d5	4.17	46	96282	103.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.71%
24) Chloroform-d	4.64	84	104504	50.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.02%
26) 1,2-Dichloroethane-d4	5.30	65	70111	53.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.58%
32) Benzene-d6	5.33	84	214636	50.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.88%
36) 1,2-Dichloropropane-d6	6.32	67	69110	52.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.62%
41) Toluene-d8	7.56	98	202561	50.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.85	79	31638	50.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.08%
47) 2-Hexanone-d5	8.31	63	68634	107.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	98089	51.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.48%
64) 1,2-Dichlorobenzene-d4	11.85	152	79084	51.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

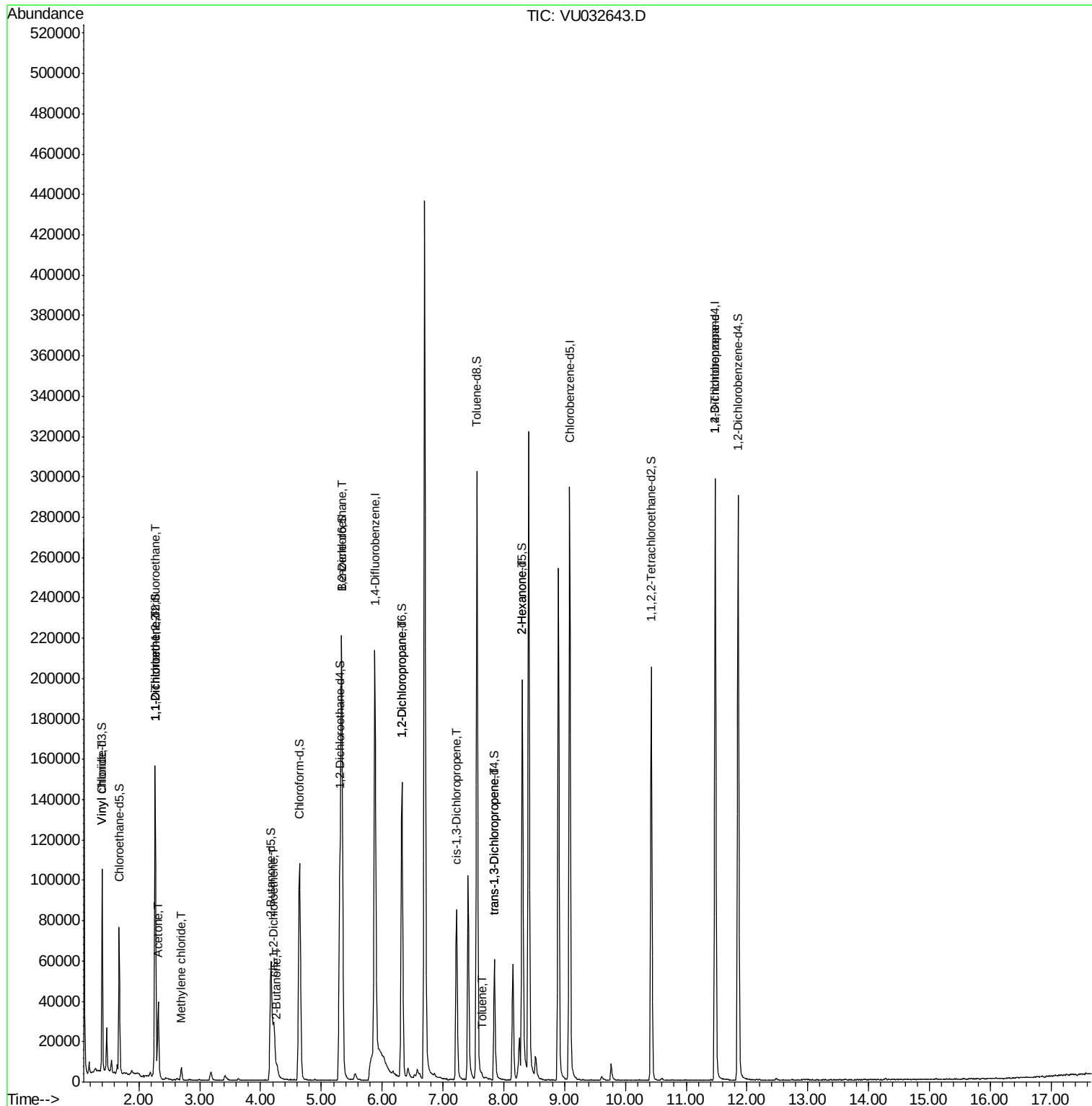
						Qvalue
5) Vinyl chloride	1.40	62	3894	2.617	ug/L #	31
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	709	0.678	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	598	0.589	ug/L #	1
13) Acetone	2.32	43	38871	40.578	ug/L	95
16) Methylene chloride	2.70	84	2704	2.336	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	12701	10.207	ug/L	96
22) 2-Butanone	4.27	43	12258	10.827	ug/L	91
27) 1,2-Dichloroethane	5.34	62	1235	0.755	ug/L #	75
37) 1,2-Dichloropropane	6.32	63	7790	6.444	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2269	1.190	ug/L #	63
42) Toluene	7.64	91	1869	0.374	ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	1560	0.922	ug/L	86
48) 2-Hexanone	8.31	43	11501	7.200	ug/L #	63
59) 1,2,3-Trichloropropane	11.48	75	9659	6.147	ug/L	94

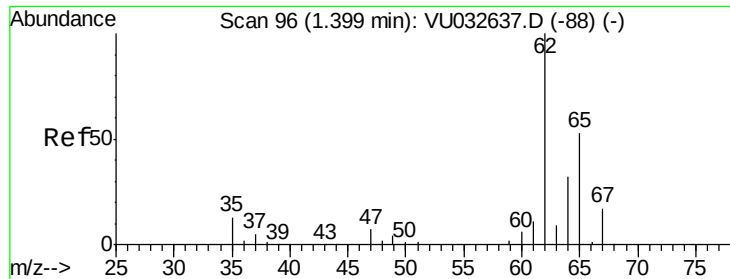
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.617 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU032643.D

Acq: 12 Jun 2019 11:53

Instrument :

MSVOA_U

ClientSampleId :

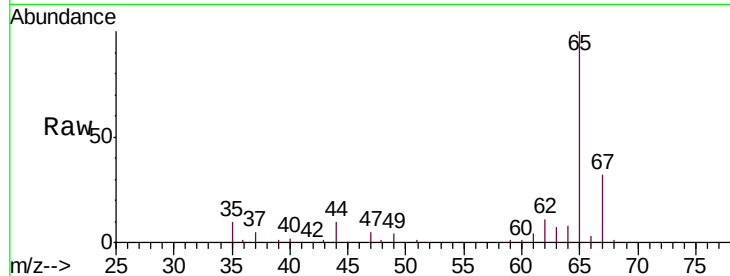
C0JS4

Tgt Ion: 62 Resp: 3894

Ion Ratio Lower Upper

62 100

64 70.7 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VU032637.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032637.D (-88) (-)

1.40

4000

3000

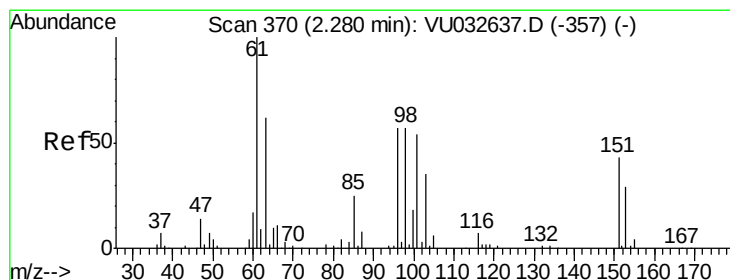
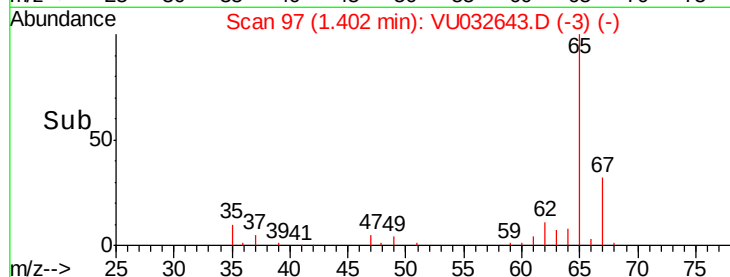
2000

1000

0

Time-->

1.36 1.38 1.40 1.42 1.44



#10

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

Concen: 0.678 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032643.D

Acq: 12 Jun 2019 11:53

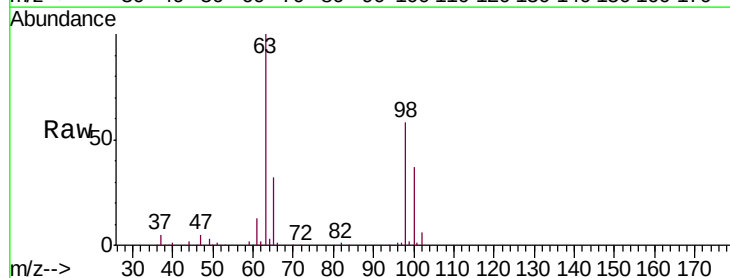
Tgt Ion: 101 Resp: 709

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): VU032637.D (-357) (-)

Ion 85.00 (84.70 to 85.70): VU032637.D (-357) (-)

Ion 151.00 (150.70 to 151.70): VU032637.D (-357) (-)

2.27

600

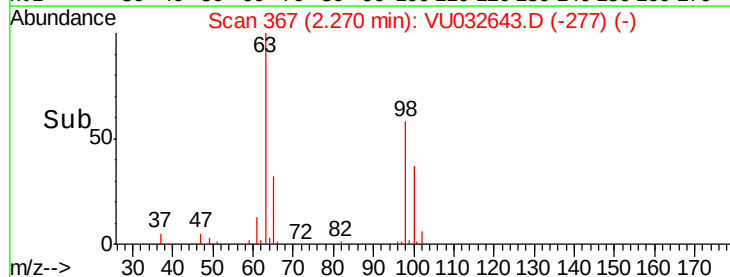
400

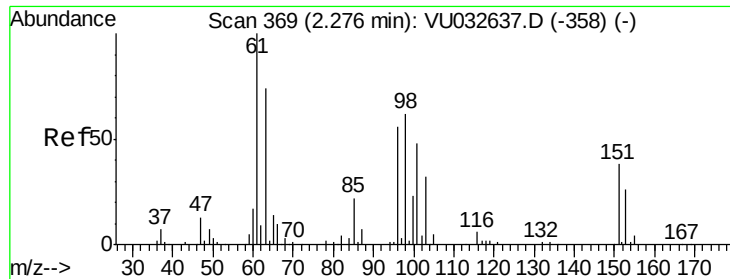
200

0

Time-->

2.24 2.26 2.28 2.30





#12

1,1-Dichloroethene

Concen: 0.589 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032643.D

Acq: 12 Jun 2019 11:53

Instrument :

MSVOA_U

ClientSampleId :

C0JS4

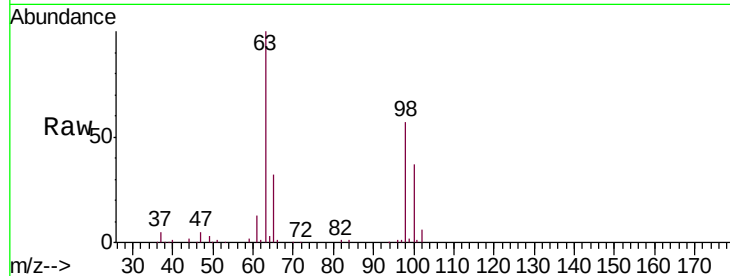
Tgt Ion: 96 Resp: 598

Ion Ratio Lower Upper

96 100

61 1777.0 129.5 240.5#

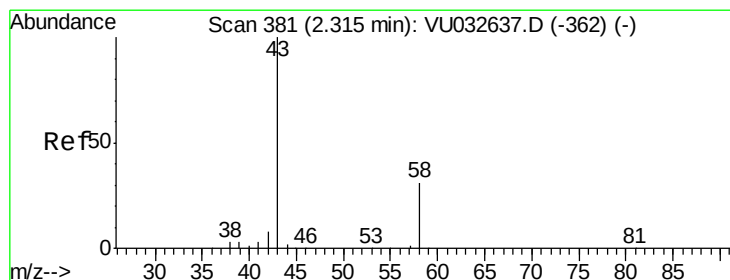
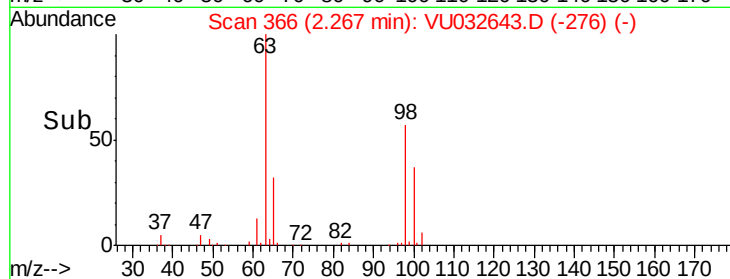
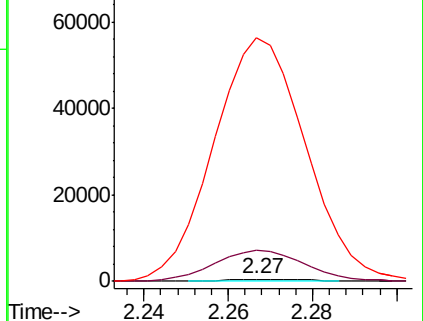
63 13918.0 103.4 192.0#



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: 40.578 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032643.D

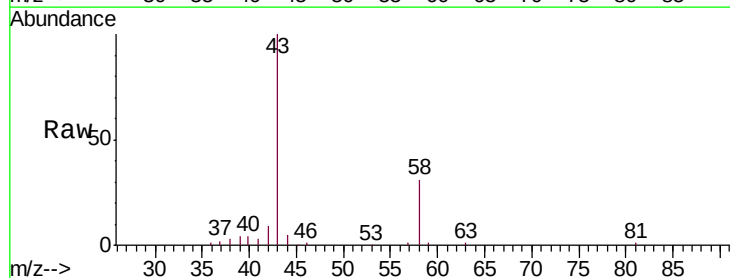
Acq: 12 Jun 2019 11:53

Tgt Ion: 43 Resp: 38871

Ion Ratio Lower Upper

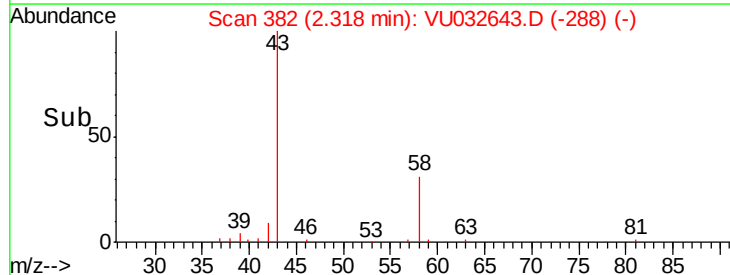
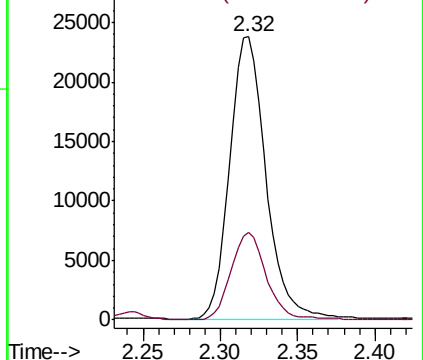
43 100

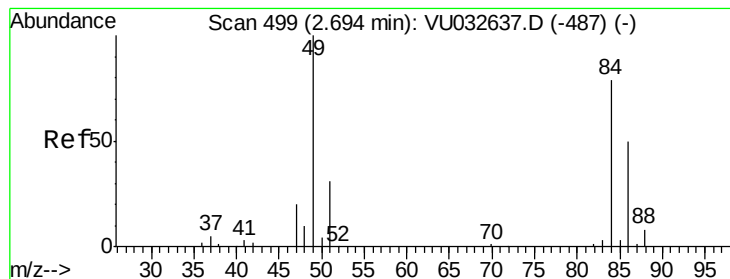
58 29.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#16

Methylene chloride

Concen: 2.336 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU032643.D

Acq: 12 Jun 2019 11:53

Instrument :

MSVOA_U

ClientSampleId :

C0JS4

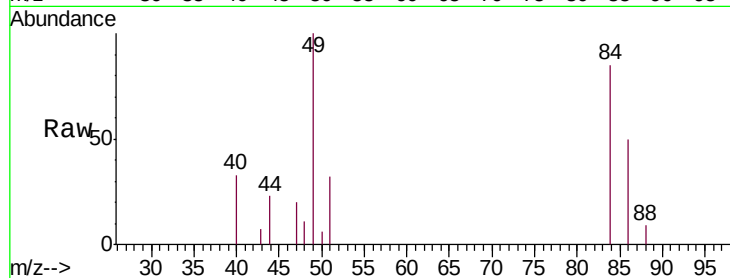
Tgt Ion: 84 Resp: 2704

Ion Ratio Lower Upper

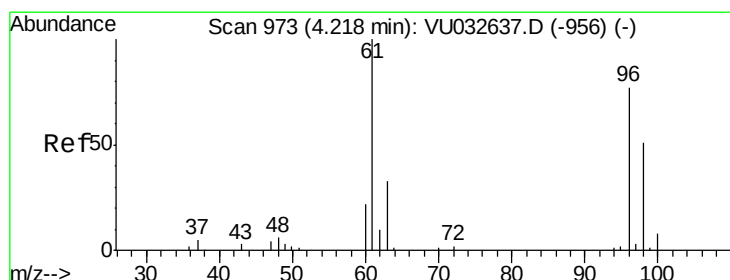
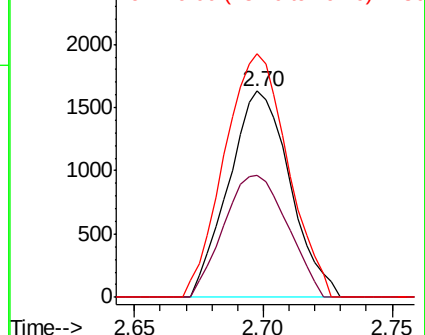
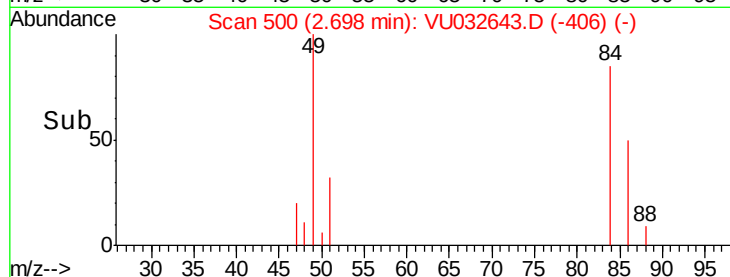
84 100

86 58.9 44.7 82.9

49 118.0 86.1 159.9



Abundance Ion 84.00 (83.70 to 84.70): VU032643.D (-406) (-)



#20

cis-1,2-Dichloroethene

Concen: 10.207 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032643.D

Acq: 12 Jun 2019 11:53

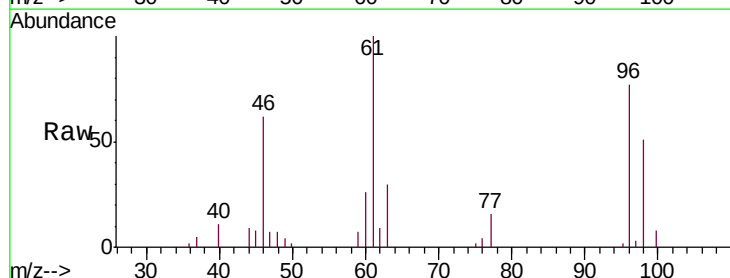
Tgt Ion: 96 Resp: 12701

Ion Ratio Lower Upper

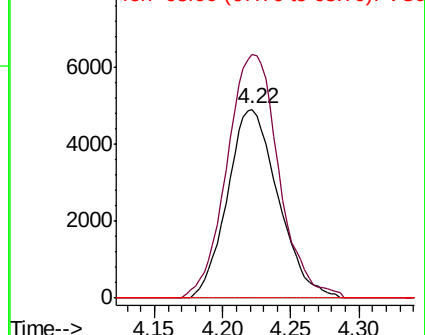
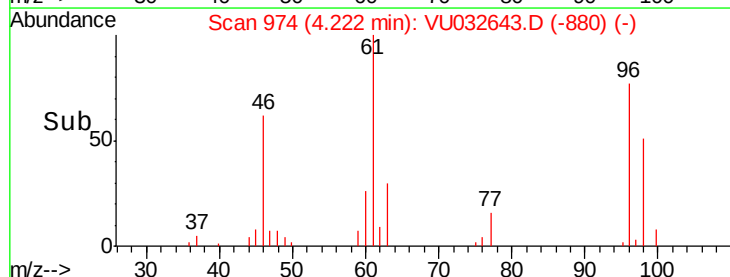
96 100

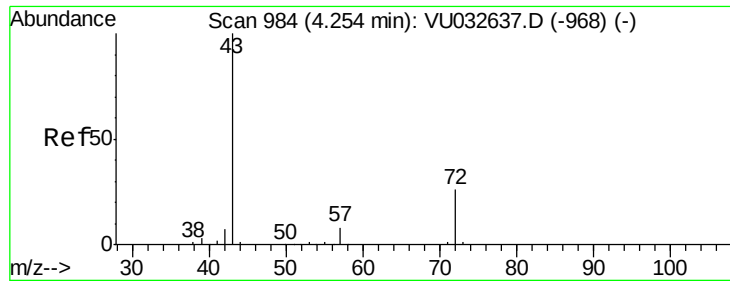
61 129.1 87.2 162.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032643.D (-880) (-)





#22

2-Butanone

Concen: 10.827 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.02 min

Lab File: VU032643.D

Acq: 12 Jun 2019 11:53

Instrument :

MSVOA_U

ClientSampleId :

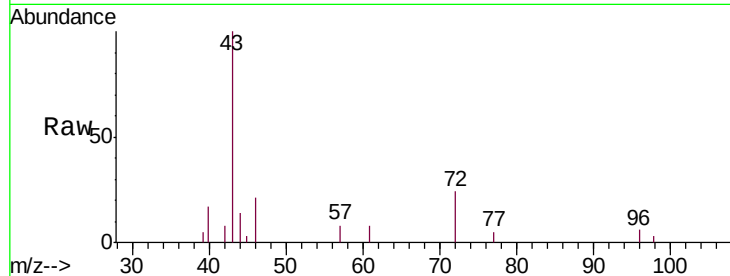
C0JS4

Tgt Ion: 43 Resp: 12258

Ion Ratio Lower Upper

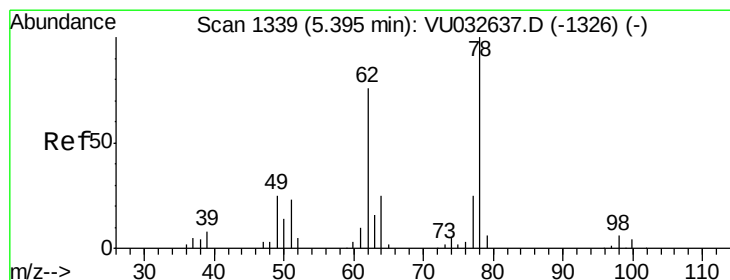
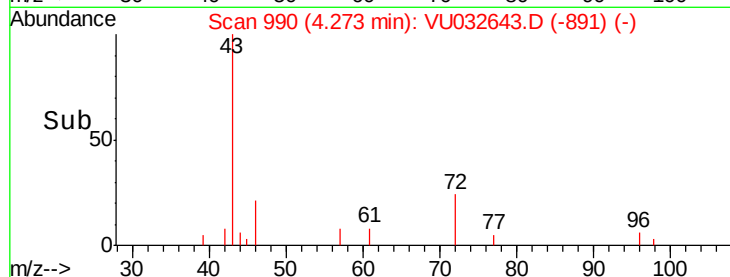
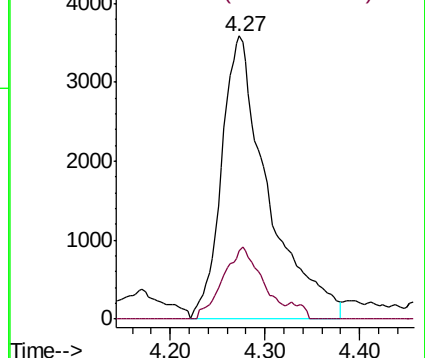
43 100

72 21.4 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032637.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU032637.D (-968) (-)



#27

1,2-Dichloroethane

Concen: 0.755 ug/L

RT: 5.34 min Scan# 1321

Delta R.T. -0.06 min

Lab File: VU032643.D

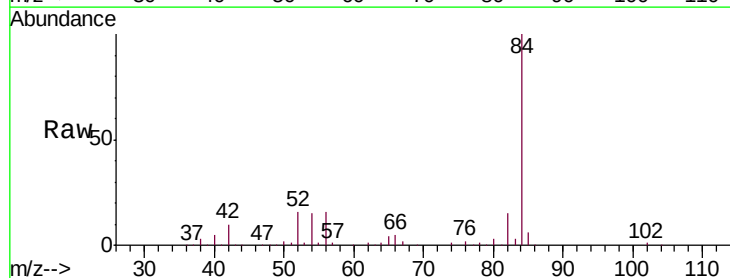
Acq: 12 Jun 2019 11:53

Tgt Ion: 62 Resp: 1235

Ion Ratio Lower Upper

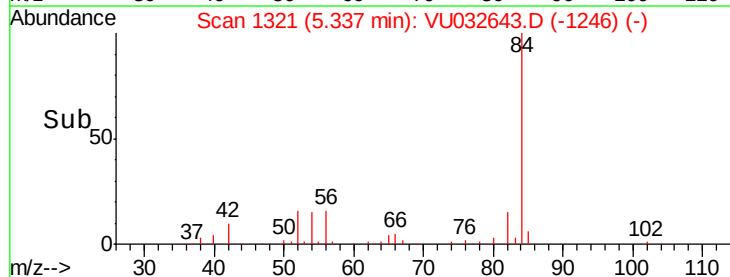
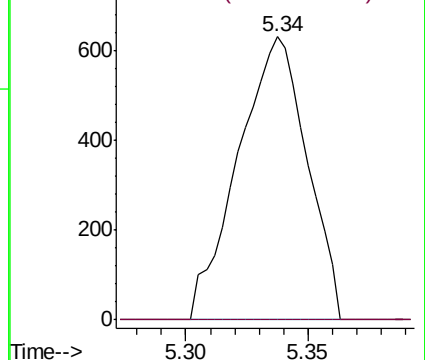
62 100

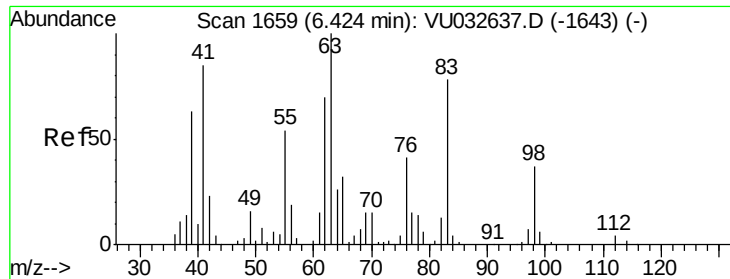
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032637.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU032637.D (-1326) (-)

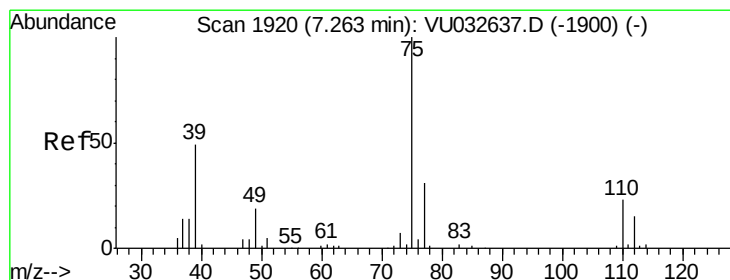
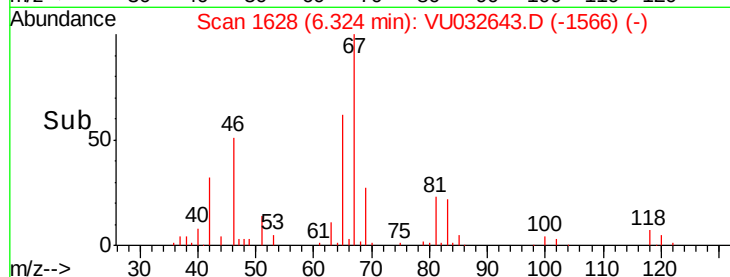
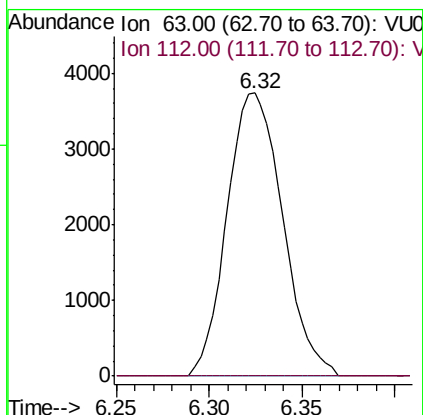
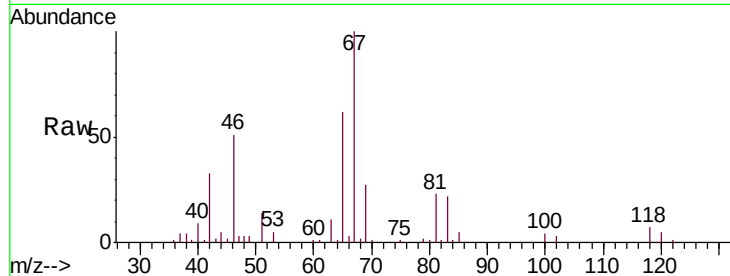




#37
 1,2-Dichloropropane
 Concen: 6.444 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032643.D
 Acq: 12 Jun 2019 11:53

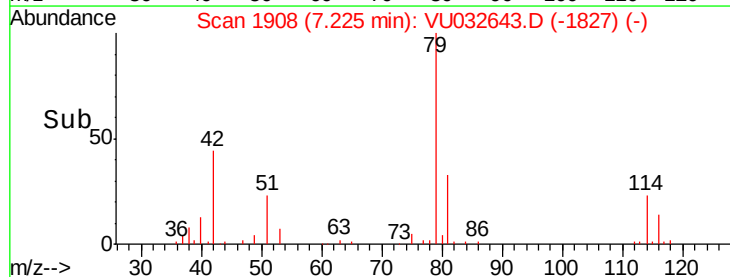
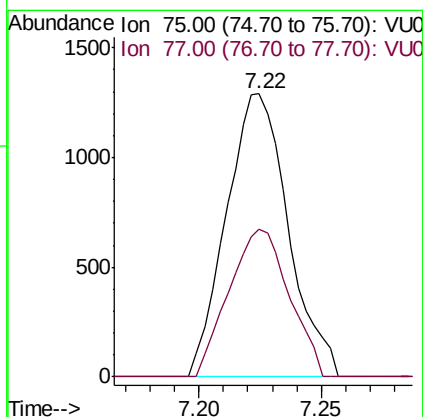
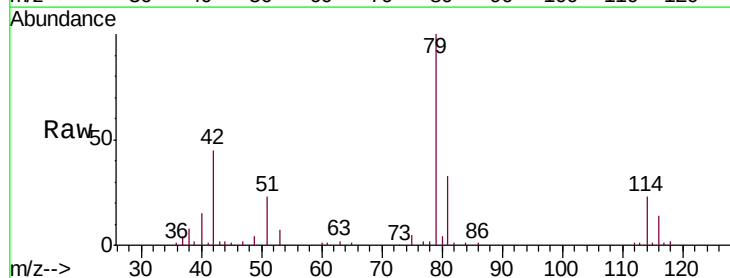
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JS4

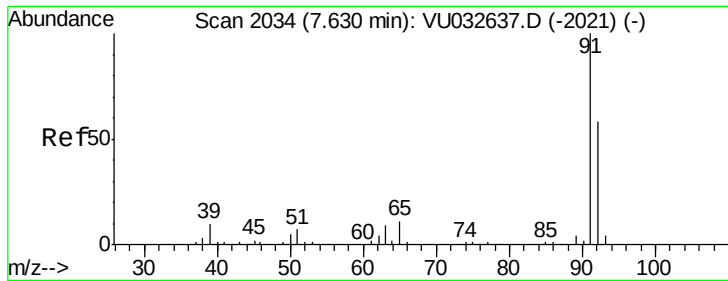
Tgt Ion: 63 Resp: 7790
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.190 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032643.D
 Acq: 12 Jun 2019 11:53

Tgt Ion: 75 Resp: 2269
 Ion Ratio Lower Upper
 75 100
 77 52.0 22.0 41.0#





#42

Toluene

Concen: 0.374 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VU032643.D

Acq: 12 Jun 2019 11:53

Instrument :

MSVOA_U

ClientSampleId :

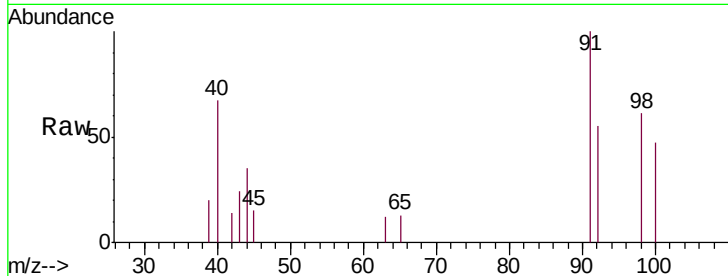
C0JS4

Tgt Ion: 91 Resp: 1869

Ion Ratio Lower Upper

91 100

92 55.0 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032637.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU032637.D (-2021) (-)

7.64

1000

800

600

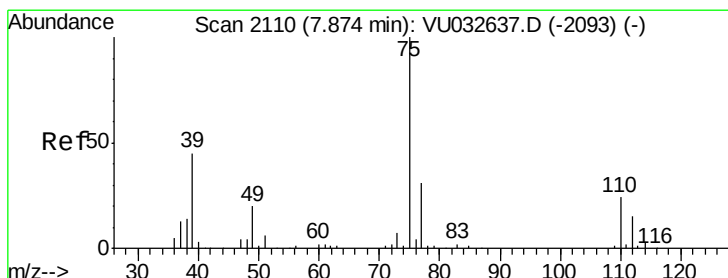
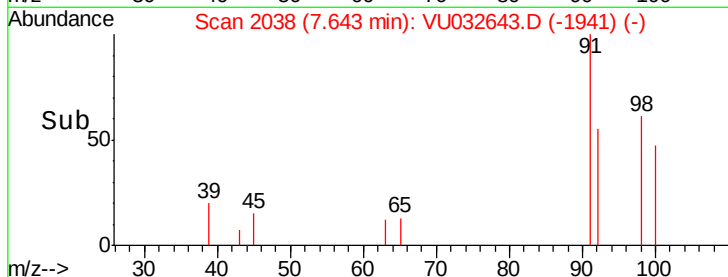
400

200

0

7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.922 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032643.D

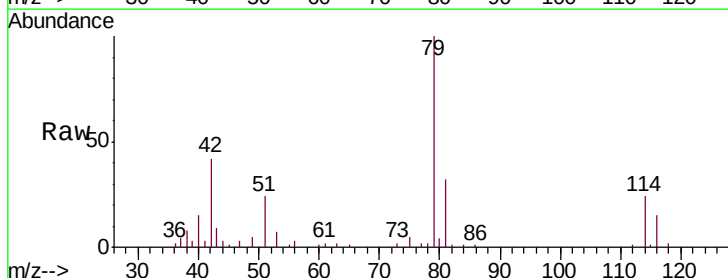
Acq: 12 Jun 2019 11:53

Tgt Ion: 75 Resp: 1560

Ion Ratio Lower Upper

75 100

77 39.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032637.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032637.D (-2093) (-)

7.85

1000

800

600

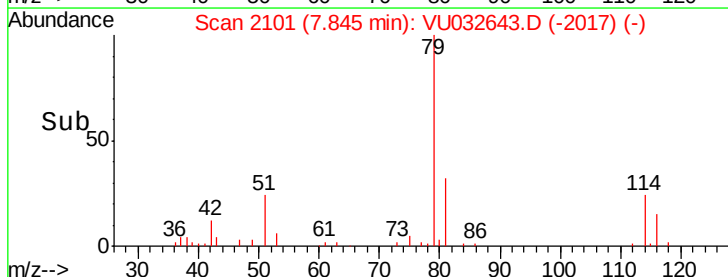
400

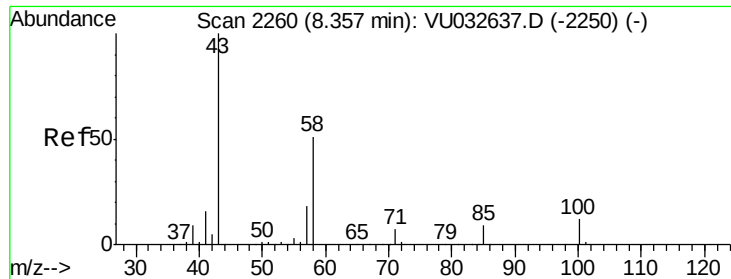
200

0

7.80 7.85

Time-->

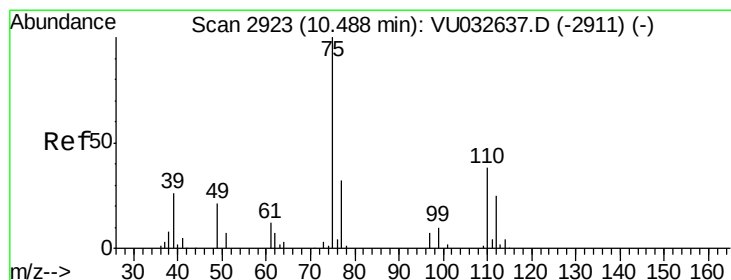
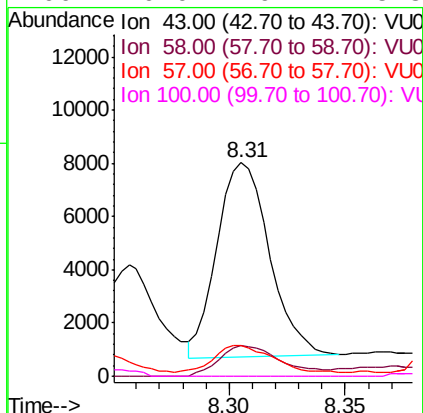
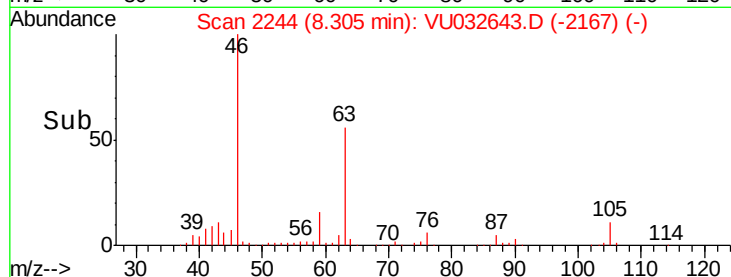
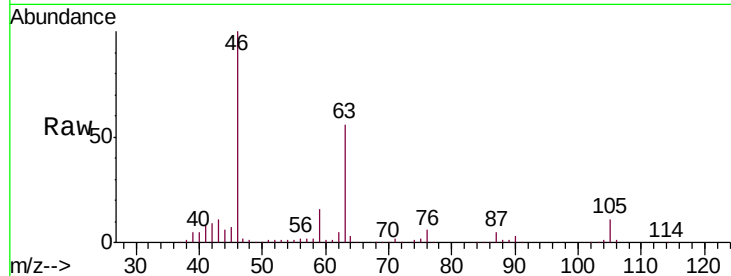




#48
2-Hexanone
Concen: 7.200 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.05 min
Lab File: VU032643.D
Acq: 12 Jun 2019 11:53

Instrument :
MSVOA_U
ClientSampleId :
C0JS4

Tgt Ion: 43 Resp: 11501
Ion Ratio Lower Upper
43 100
58 18.6 42.0 63.0#
57 14.2 14.6 22.0#
100 0.0 9.2 13.8#



#59
1,2,3-Trichloropropane
Concen: 6.147 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032643.D
Acq: 12 Jun 2019 11:53

Tgt Ion: 75 Resp: 9659
Ion Ratio Lower Upper
75 100
77 35.5 25.6 38.4

