

Data File : VU032829.D
Acq On : 18 Jun 2019 17:07
Operator : JC/SP
Sample : K3363-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JP6

Quant Time: Jun 19 04:38:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 19 04:35:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	228249	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	222087	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	110882	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73787	47.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.60%
7) Chloroethane-d5	1.68	69	62309	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.16%
11) 1,1-Dichloroethene-d2	2.27	63	114960	36.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.16%
21) 2-Butanone-d5	4.17	46	141859	109.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.26%
24) Chloroform-d	4.64	84	149005	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
26) 1,2-Dichloroethane-d4	5.30	65	103316	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.30%
32) Benzene-d6	5.33	84	295703	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.16%
36) 1,2-Dichloropropane-d6	6.32	67	95176	51.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.22%
41) Toluene-d8	7.56	98	278381	51.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.70%
43) trans-1,3-Dichloropropene-	7.84	79	41956	43.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.46%
47) 2-Hexanone-d5	8.31	63	98576	114.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.47%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	140518	49.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.58%
64) 1,2-Dichlorobenzene-d4	11.85	152	111449	51.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.88%

Target Compounds

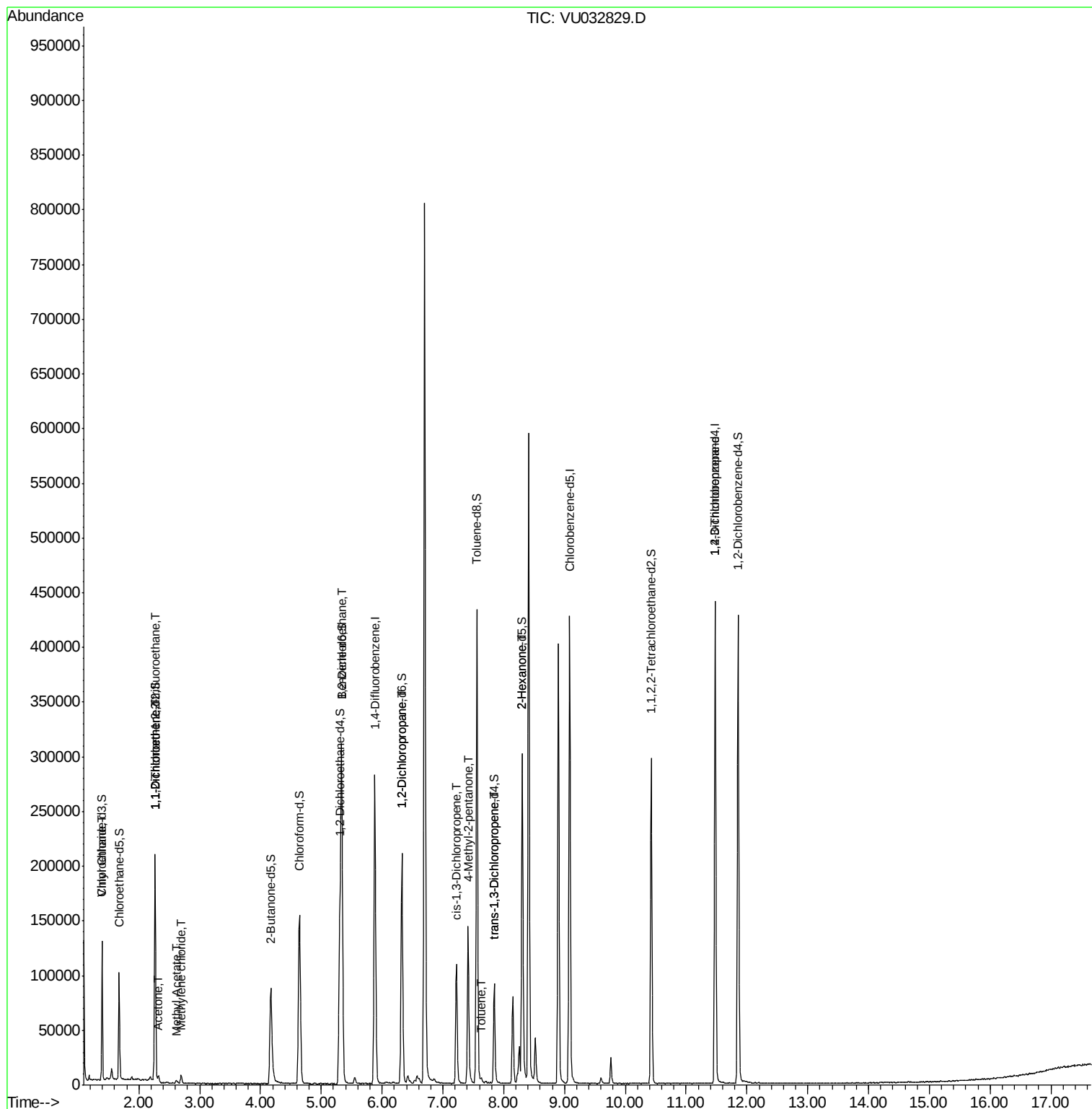
					Qvalue	
8) Chloroethane	1.40	64	1155	0.968	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1068	0.700	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	850	0.591	ug/L #	1
13) Acetone	2.32	43	6288	3.506	ug/L	94
15) Methyl Acetate	2.61	43	3458	1.701	ug/L #	53
16) Methylene chloride	2.69	84	3230	1.915	ug/L	92
27) 1,2-Dichloroethane	5.34	62	1879	0.746	ug/L #	77
37) 1,2-Dichloropropane	6.32	63	11068	6.307	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2916	1.067	ug/L #	69
40) 4-Methyl-2-pentanone	7.41	43	56135	20.035	ug/L #	53
42) Toluene	7.63	91	2499	0.361	ug/L	97
44) trans-1,3-Dichloropropene	7.84	75	2220	0.864	ug/L	97
48) 2-Hexanone	8.31	43	19353	7.829	ug/L #	62
59) 1,2,3-Trichloropropane	11.48	75	14148	6.041	ug/L #	88

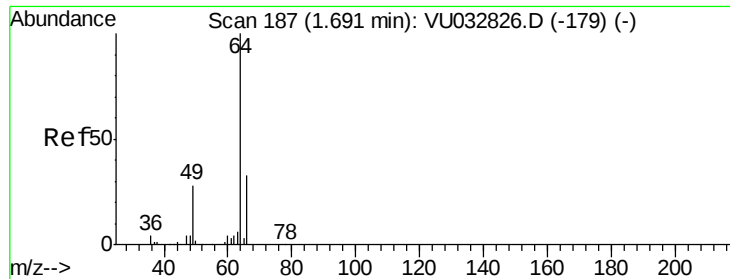
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.968 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032829.D

Acq: 18 Jun 2019 17:07

Instrument :

MSVOA_U

ClientSampled :

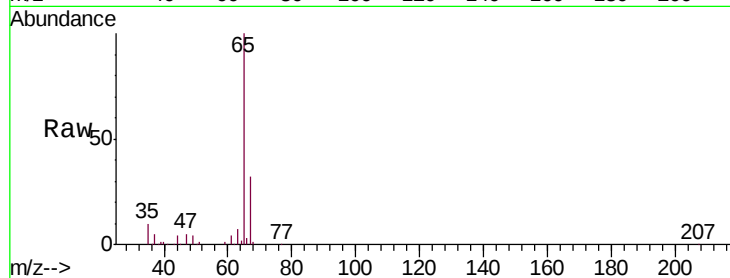
C0JP6

Tgt Ion: 64 Resp: 1155

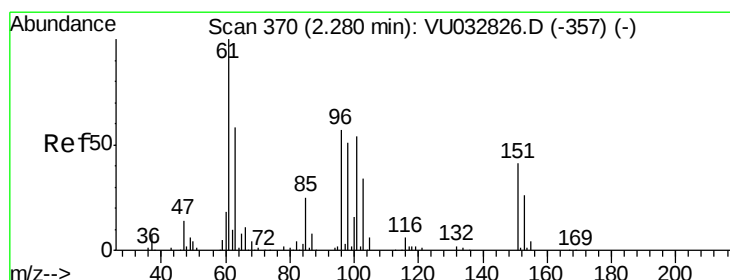
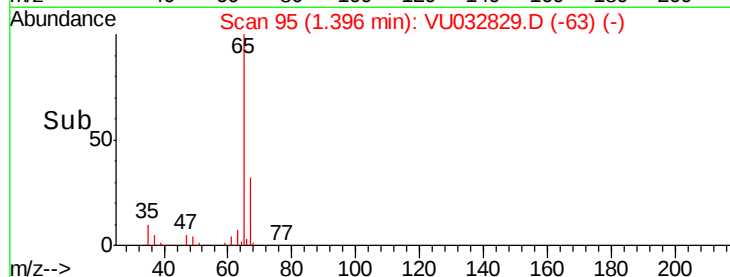
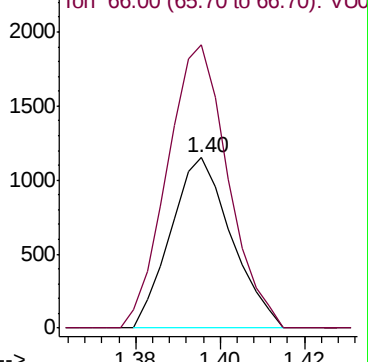
Ion Ratio Lower Upper

64 100

66 166.0 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU032829.D (-179) (-)



#10

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

Concen: 0.700 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032829.D

Acq: 18 Jun 2019 17:07

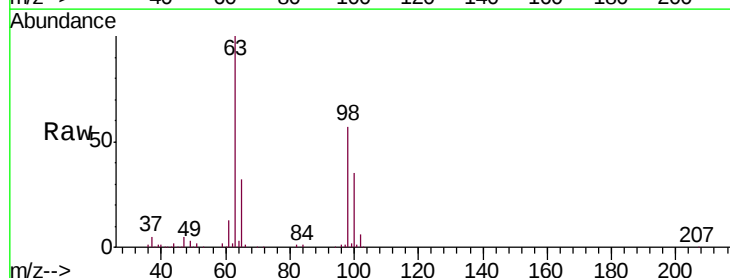
Tgt Ion: 101 Resp: 1068

Ion Ratio Lower Upper

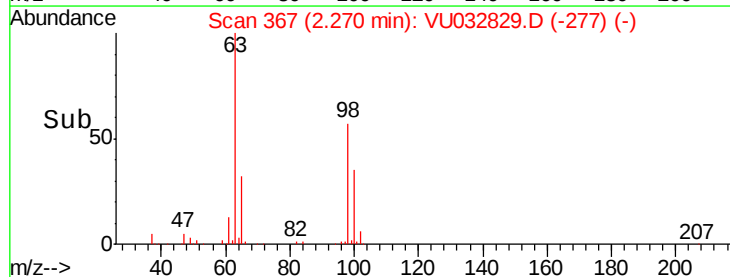
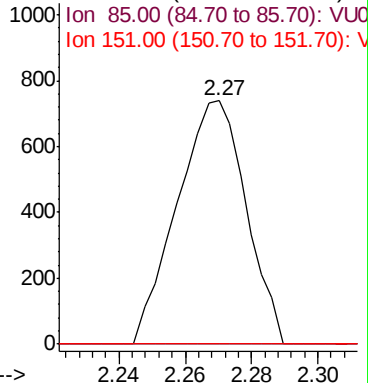
101 100

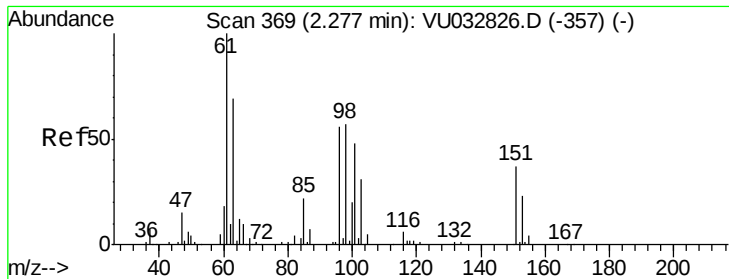
85 0.0 36.8 55.2#

151 0.0 63.6 95.4#



Abundance Ion 101.00 (100.70 to 101.70): VU032829.D (-357) (-)





#12

1,1-Dichloroethene

Concen: 0.591 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032829.D

Acq: 18 Jun 2019 17:07

Instrument :

MSVOA_U

ClientSampleId :

C0JP6

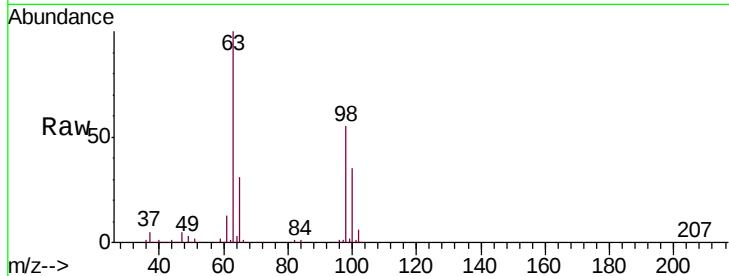
Tgt Ion: 96 Resp: 850

Ion Ratio Lower Upper

96 100

61 1669.5 131.0 243.4#

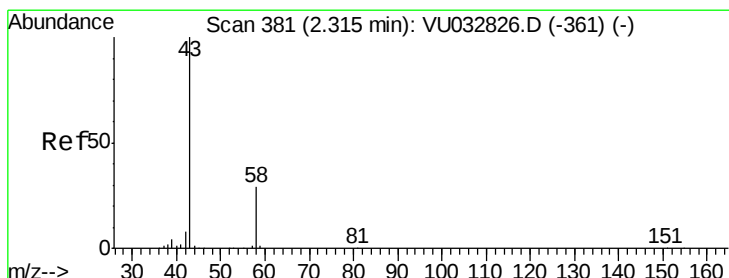
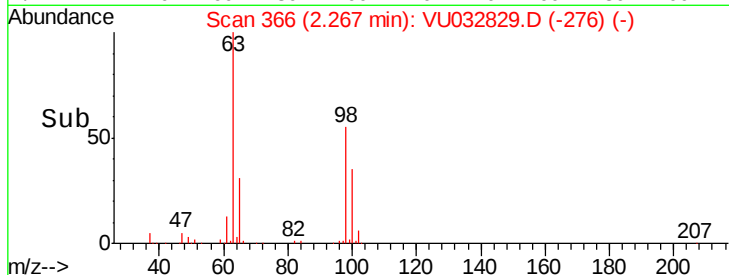
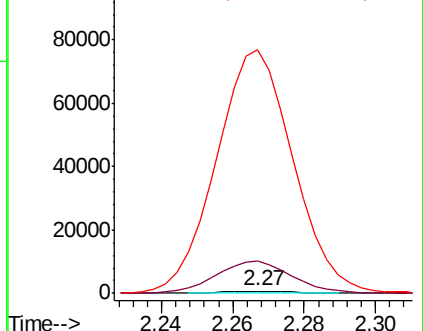
63 12620.0 101.0 187.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032829.D (-276) (-)

Ion 61.00 (60.70 to 61.70): VU032829.D (-276) (-)

Ion 63.00 (62.70 to 63.70): VU032829.D (-276) (-)



#13

Acetone

Concen: 3.506 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032829.D

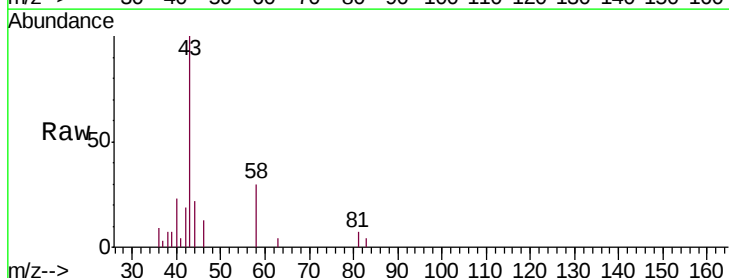
Acq: 18 Jun 2019 17:07

Tgt Ion: 43 Resp: 6288

Ion Ratio Lower Upper

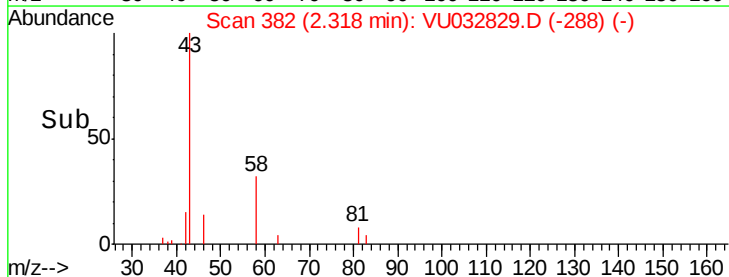
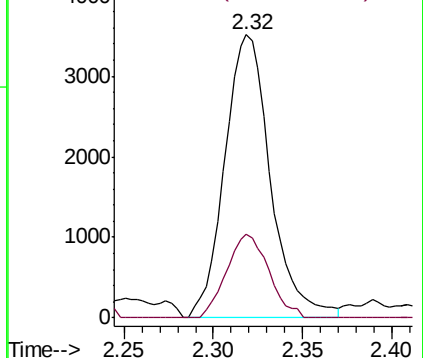
43 100

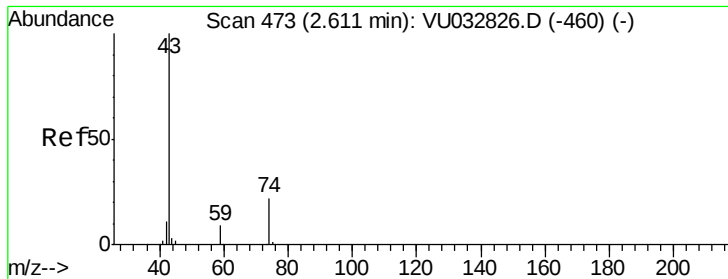
58 27.2 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032829.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU032829.D (-288) (-)





#15

Methyl Acetate

Concen: 1.701 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU032829.D

Acq: 18 Jun 2019 17:07

Instrument :

MSVOA_U

ClientSampled :

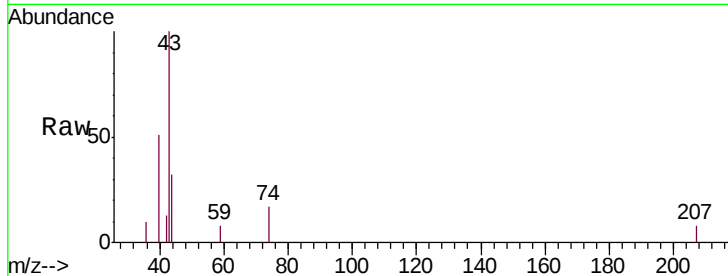
C0JP6

Tgt Ion: 43 Resp: 3458

Ion Ratio Lower Upper

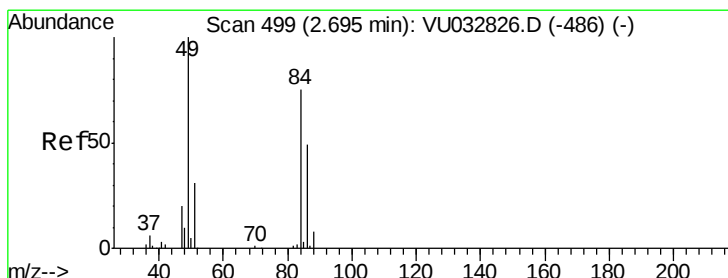
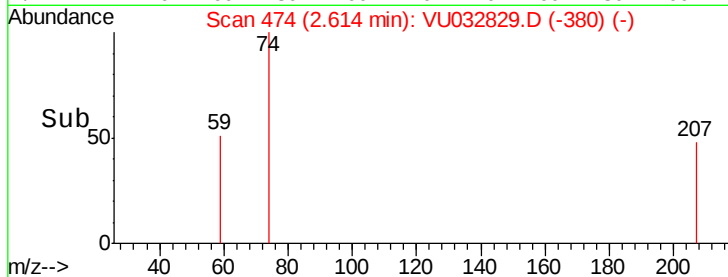
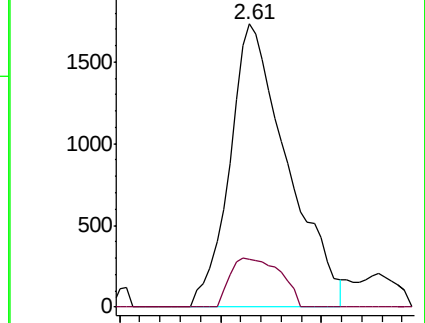
43 100

74 0.0 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VU032829.D (-460) (-)

Ion 74.00 (73.70 to 74.70): VU032829.D (-460) (-)



#16

Methylene chloride

Concen: 1.915 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032829.D

Acq: 18 Jun 2019 17:07

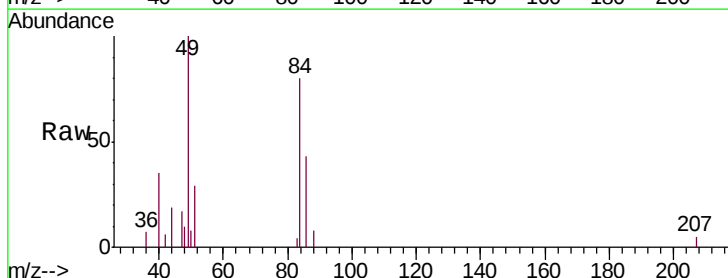
Tgt Ion: 84 Resp: 3230

Ion Ratio Lower Upper

84 100

86 53.9 45.5 84.5

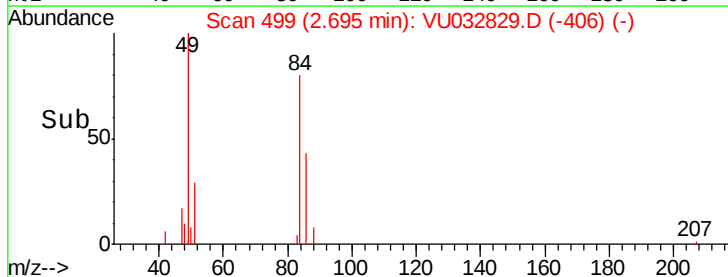
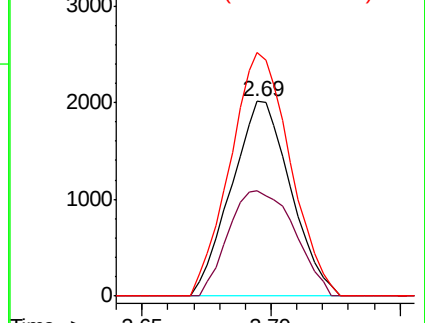
49 125.1 92.1 171.1

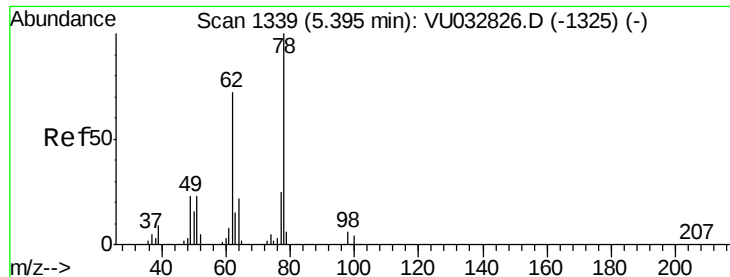


Abundance Ion 84.00 (83.70 to 84.70): VU032829.D (-406) (-)

Ion 86.00 (85.70 to 86.70): VU032829.D (-406) (-)

Ion 49.00 (48.70 to 49.70): VU032829.D (-406) (-)





#27

1,2-Dichloroethane

Concen: 0.746 ug/L

RT: 5.34 min Scan# 1321

Delta R.T. -0.06 min

Lab File: VU032829.D

Acq: 18 Jun 2019 17:07

Instrument :

MSVOA_U

ClientSampleId :

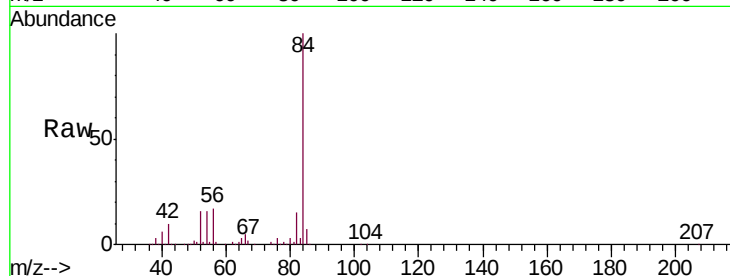
C0JP6

Tgt Ion: 62 Resp: 1879

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU032826.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032826.D (-1325) (-)

5.34

800

600

400

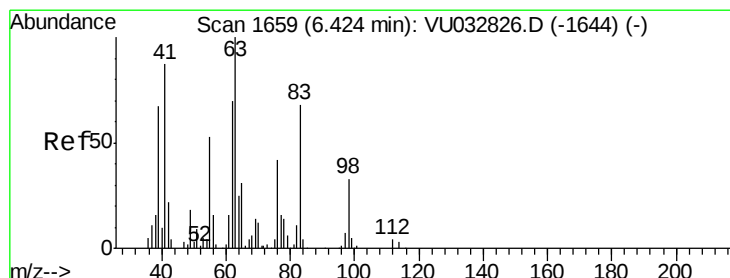
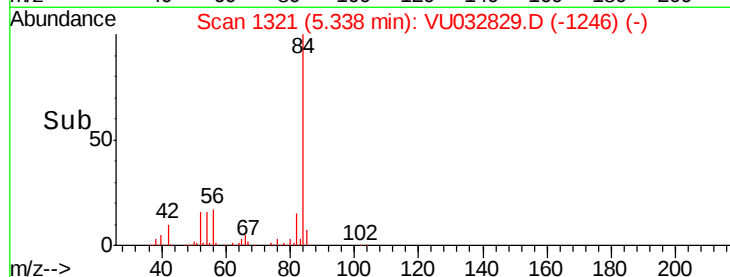
200

0

5.30

5.35

Time-->



#37

1,2-Dichloropropane

Concen: 6.307 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032829.D

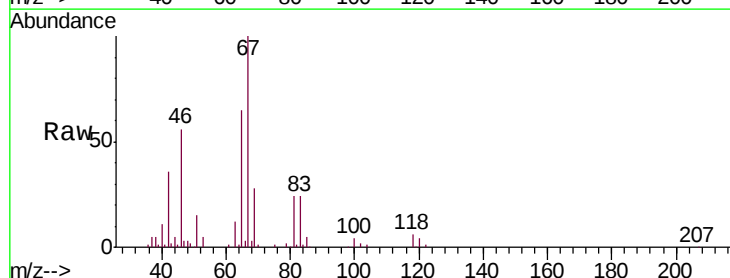
Acq: 18 Jun 2019 17:07

Tgt Ion: 63 Resp: 11068

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU032826.D (-1644) (-)

Ion 112.00 (111.70 to 112.70): VU032826.D (-1644) (-)

6.32

6000

4000

2000

0

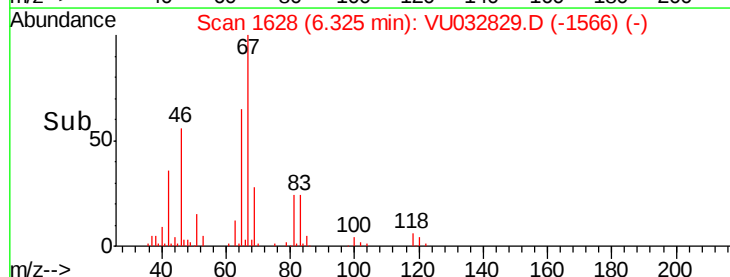
6.25

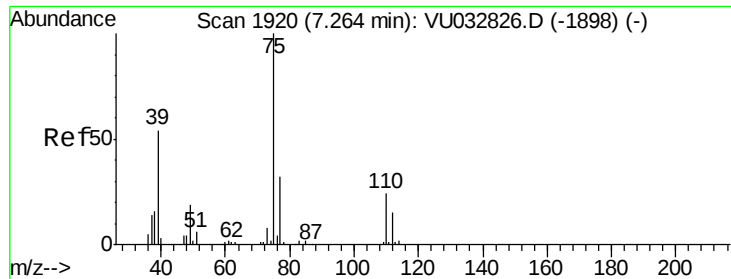
6.30

6.35

6.40

Time-->





#39

cis-1,3-Dichloropropene

Concen: 1.067 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU032829.D

Acq: 18 Jun 2019 17:07

Instrument :

MSVOA_U

ClientSampled :

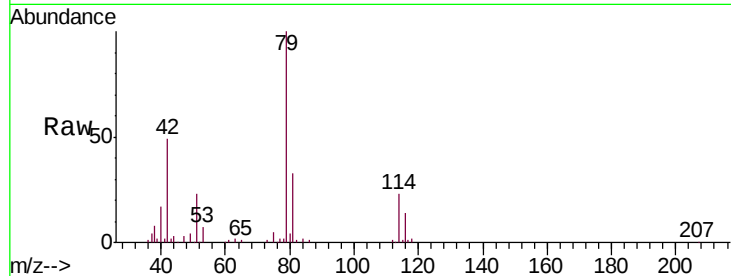
C0JP6

Tgt Ion: 75 Resp: 2916

Ion Ratio Lower Upper

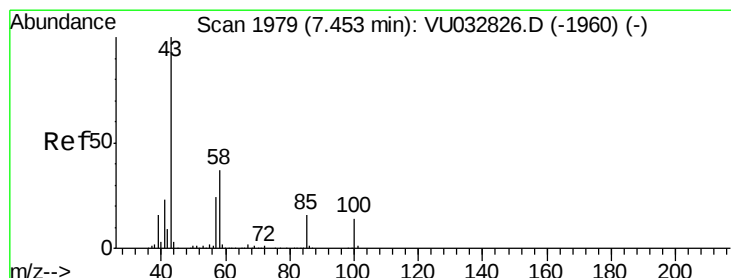
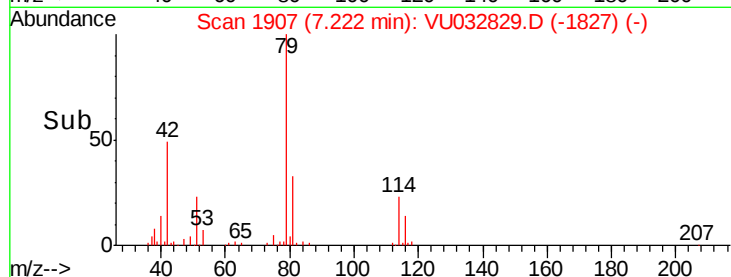
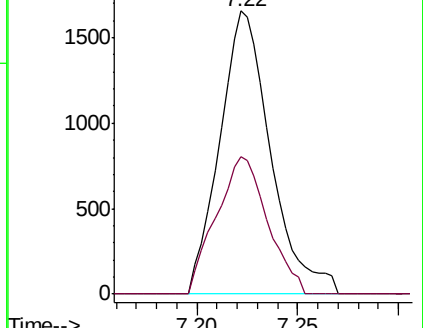
75 100

77 48.6 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU032826.D (-1898) (-)

Ion 77.00 (76.70 to 77.70): VU032826.D (-1898) (-)



#40

4-Methyl-2-pentanone

Concen: 20.035 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. -0.04 min

Lab File: VU032829.D

Acq: 18 Jun 2019 17:07

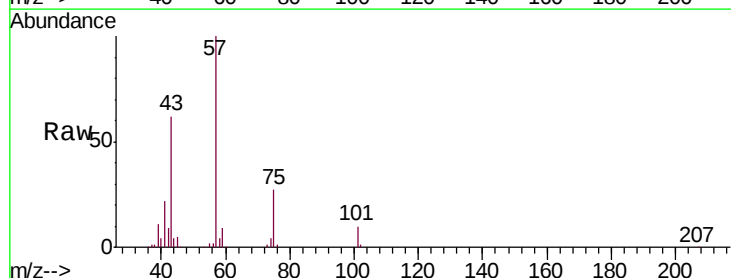
Tgt Ion: 43 Resp: 56135

Ion Ratio Lower Upper

43 100

58 6.1 29.4 44.2#

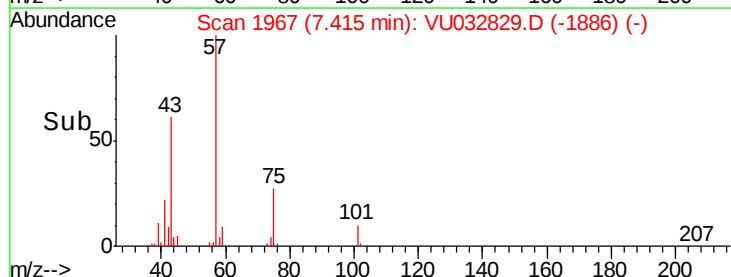
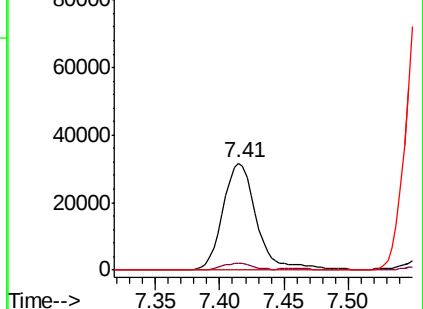
100 0.0 11.2 16.8#

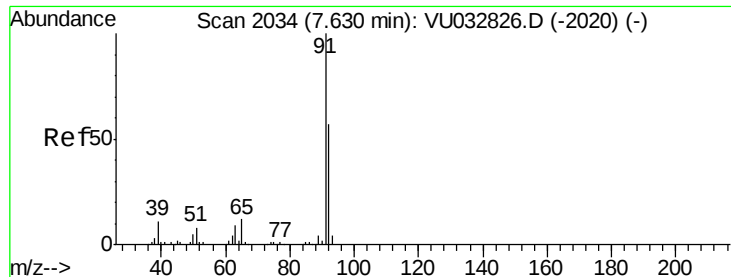


Abundance Ion 43.00 (42.70 to 43.70): VU032826.D (-1960) (-)

Ion 58.00 (57.70 to 58.70): VU032826.D (-1960) (-)

Ion 100.00 (99.70 to 100.70): VU032826.D (-1960) (-)





#42

Toluene

Concen: 0.361 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032829.D

Acq: 18 Jun 2019 17:07

Instrument :

MSVOA_U

ClientSampleId :

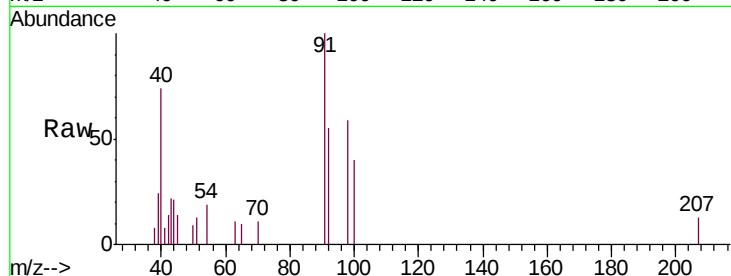
C0JP6

Tgt Ion: 91 Resp: 2499

Ion Ratio Lower Upper

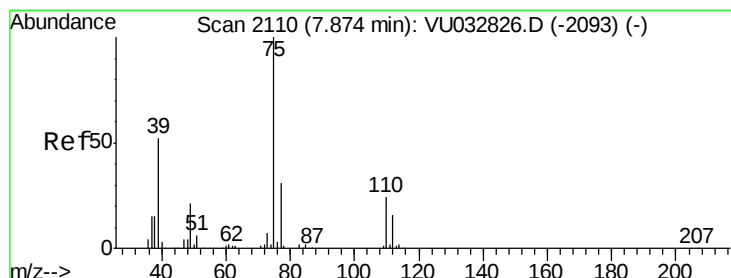
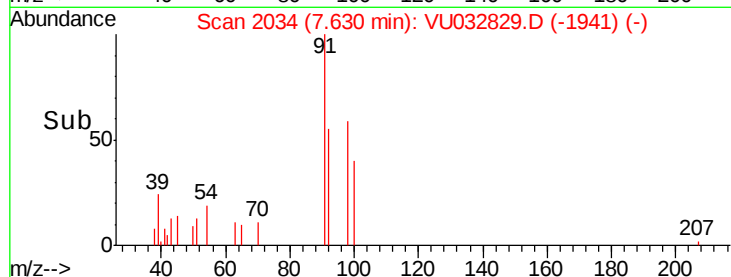
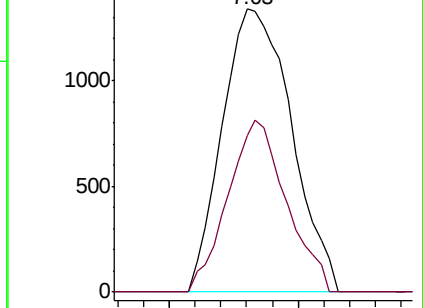
91 100

92 55.2 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU032826.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032826.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.864 ug/L

RT: 7.84 min Scan# 2099

Delta R.T. -0.04 min

Lab File: VU032829.D

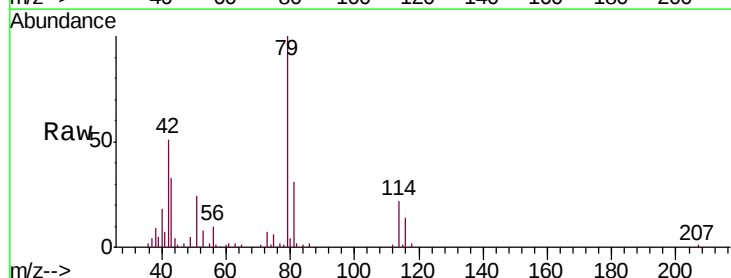
Acq: 18 Jun 2019 17:07

Tgt Ion: 75 Resp: 2220

Ion Ratio Lower Upper

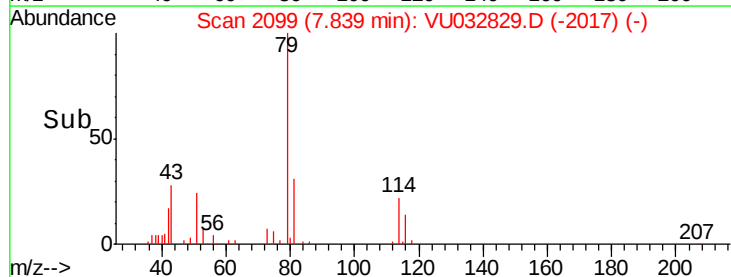
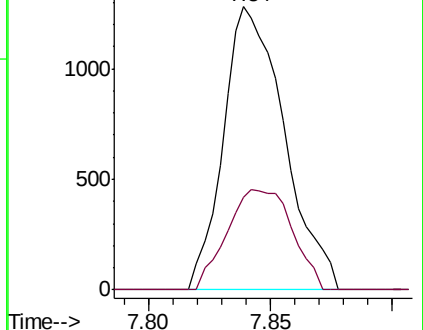
75 100

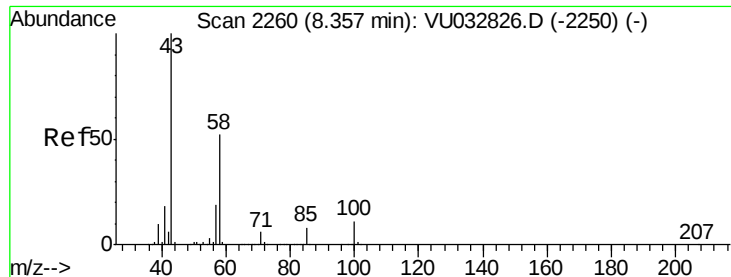
77 32.6 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU032826.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032826.D (-2093) (-)

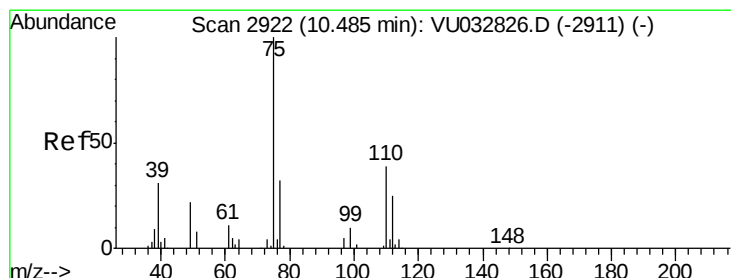
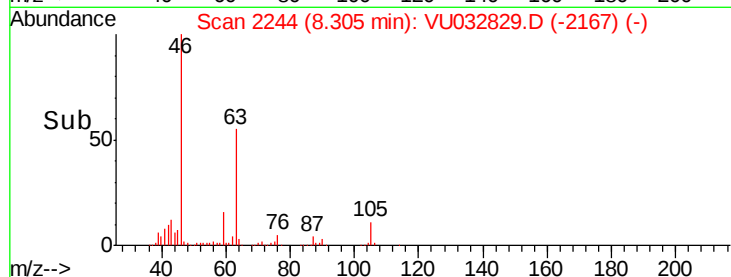
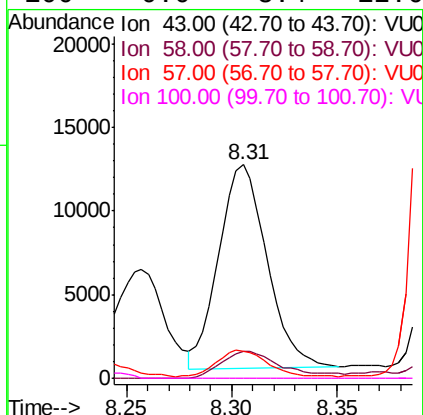
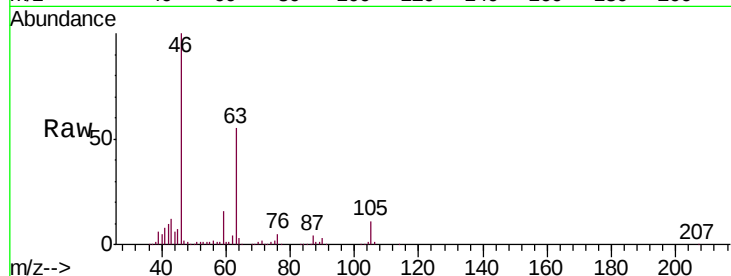




#48
 2-Hexanone
 Concen: 7.829 ug/L
 RT: 8.31 min Scan# 2244
 Delta R.T. -0.05 min
 Lab File: VU032829.D
 Acq: 18 Jun 2019 17:07

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JP6

Tgt Ion: 43 Resp: 19353
 Ion Ratio Lower Upper
 43 100
 58 15.9 40.2 60.2#
 57 12.9 14.2 21.4#
 100 0.0 8.4 12.6#



#59
 1,2,3-Trichloropropane
 Concen: 6.041 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032829.D
 Acq: 18 Jun 2019 17:07

Tgt Ion: 75 Resp: 14148
 Ion Ratio Lower Upper
 75 100
 77 38.6 25.5 38.3#

