

Data File : VU029465.D
Acq On : 14 Feb 2019 19:08
Operator : JC/SP
Sample : K1438-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXB7

Quant Time: Feb 15 01:58:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	191842	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	177197	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92587	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47818	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	1.68	69	46184	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.27	63	79702	2.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.80%#
20) 2-Butanone-d5	4.19	46	137389	51.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.54%
24) Chloroform-d	4.65	84	84093	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
26) 1,2-Dichloroethane-d4	5.31	65	48413	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.34	84	192881	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.33	67	57998	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.56	98	178494	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.85	79	22620	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.31	63	134406	51.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	51468	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	80610	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	973	0.058	ug/L #	18
13) Acetone	2.32	43	5325	2.187	ug/L	92
15) Methyl Acetate	2.45	43	11758	1.885	ug/L #	47
17) Methyl tert-butyl Ether	3.00	73	63861	1.615	ug/L	98
19) 1,1-Dichloroethane	3.44	63	1715	0.068	ug/L #	86
25) Chloroform	4.67	83	11468	0.452	ug/L	100
27) 1,2-Dichloroethane	5.34	62	1023	0.070	ug/L #	72
29) 1,1,1-Trichloroethane	4.91	97	1497	0.068	ug/L #	68
35) Methylcyclohexane	6.33	83	13957	0.566	ug/L #	22
37) 1,2-Dichloropropane	6.33	63	6555	0.502	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	1569	0.076	ug/L #	50
40) 4-Methyl-2-pentanone	7.40	43	3717	0.494	ug/L #	41
42) Toluene	7.64	91	2032	0.035	ug/L	82
48) 2-Hexanone	8.31	43	14338	2.612	ug/L #	65
59) 1,2,3-Trichloropropane	11.48	75	9307	1.111	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration

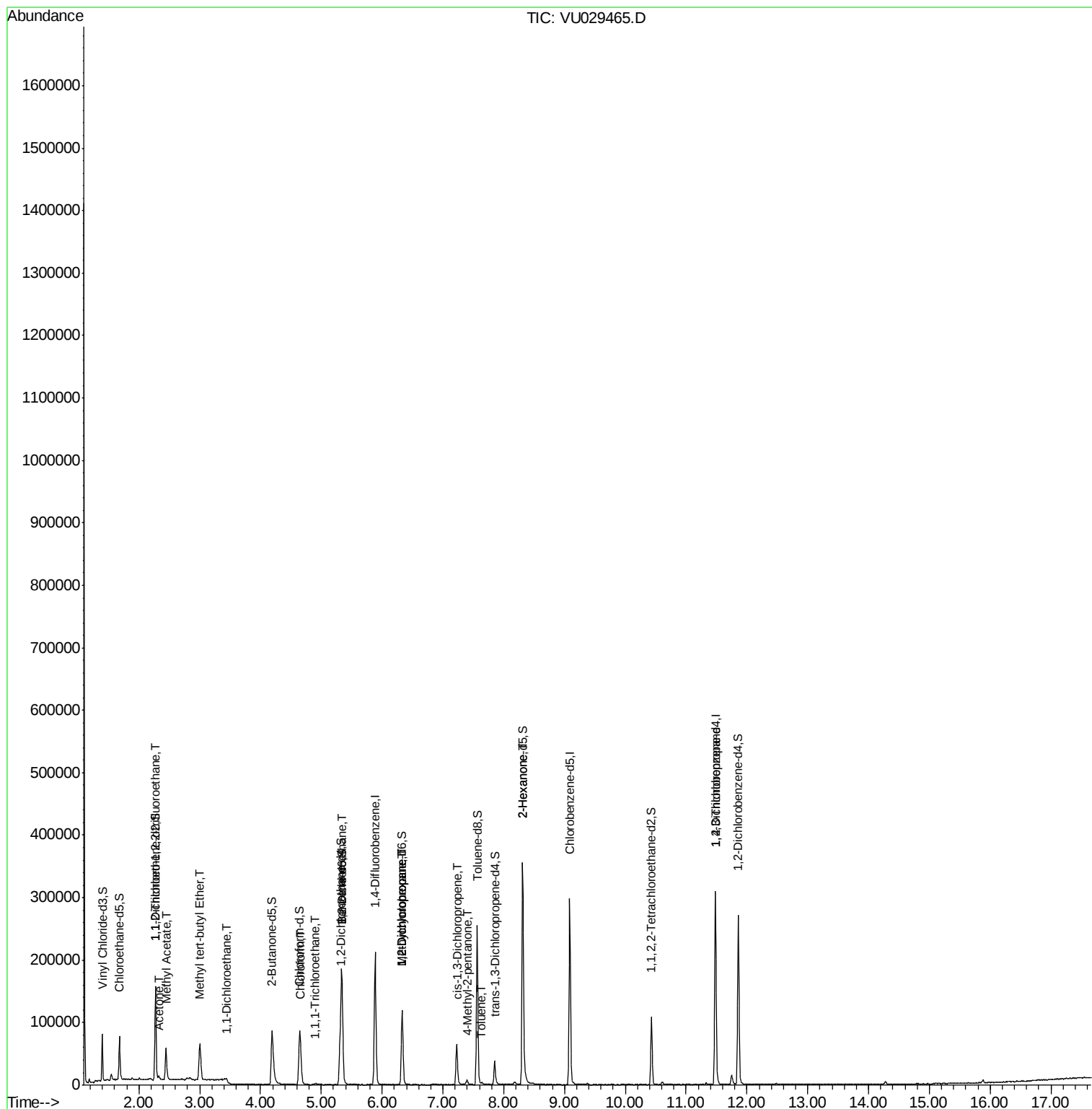
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

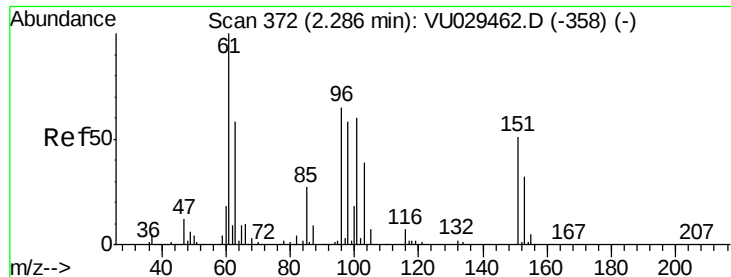
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#10

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

Concen: 0.058 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029465.D

Acq: 14 Feb 2019 19:08

Instrument :

MSVOA_U

ClientSampleId :

ESXB7

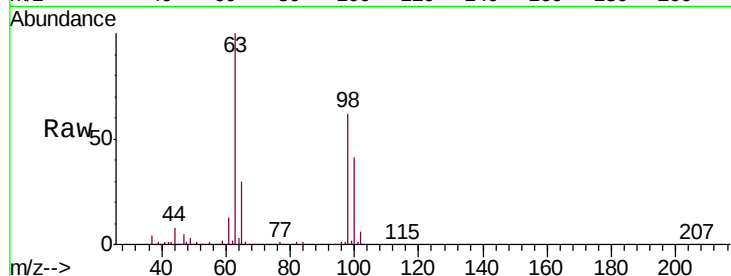
Tgt Ion: 101 Resp: 973

Ion Ratio Lower Upper

101 100

85 4.1 35.1 52.7#

151 0.0 67.0 100.6#



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

2.27

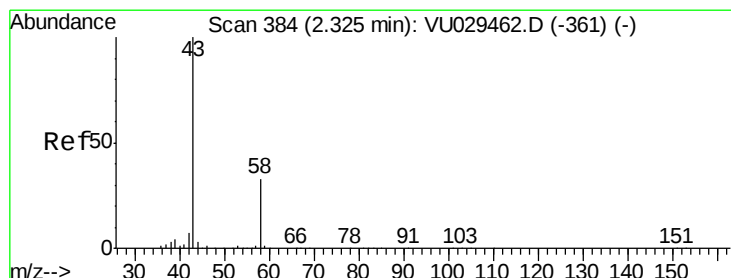
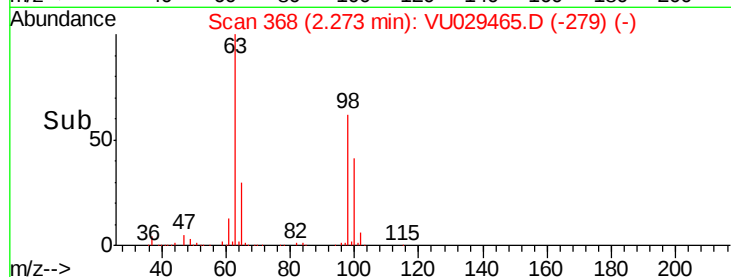
600

400

200

0

Time-->



#13

Acetone

Concen: 2.187 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU029465.D

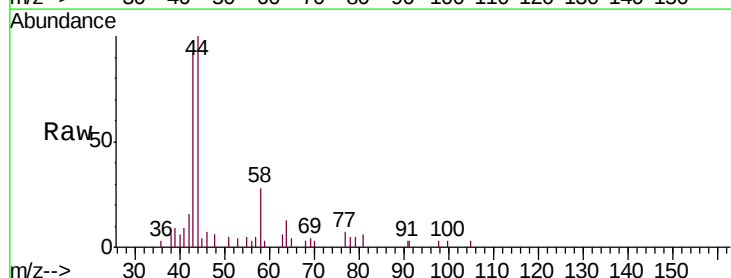
Acq: 14 Feb 2019 19:08

Tgt Ion: 43 Resp: 5325

Ion Ratio Lower Upper

43 100

58 37.1 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

4000

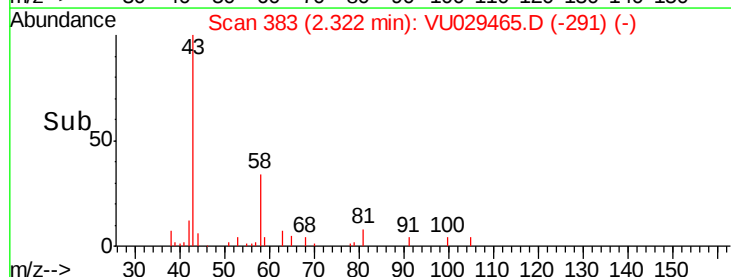
3000

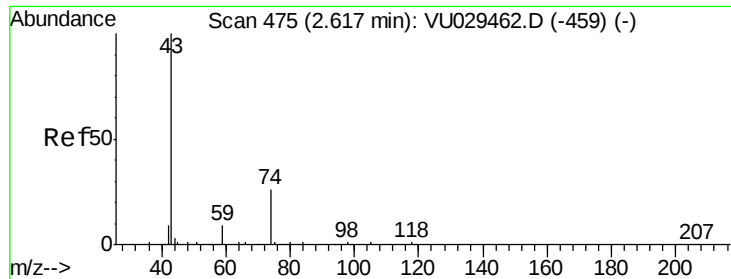
2000

1000

0

Time-->

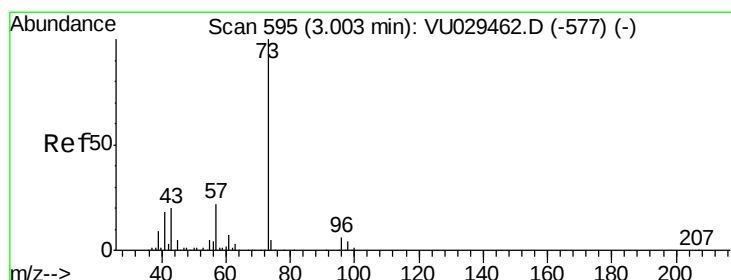
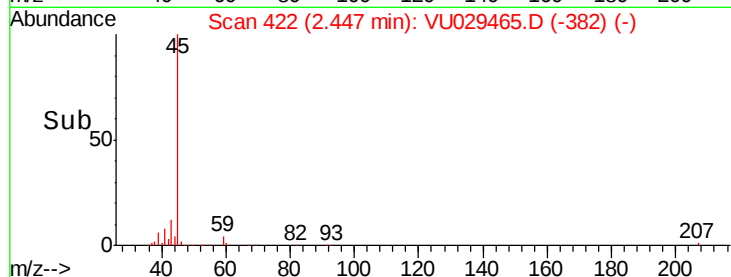
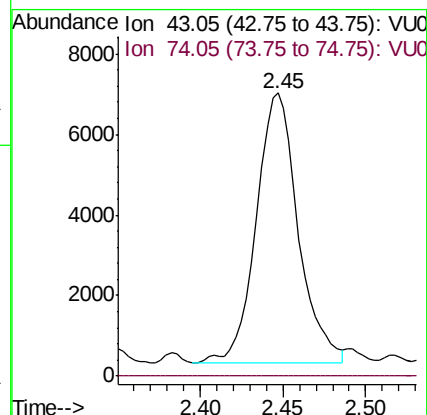
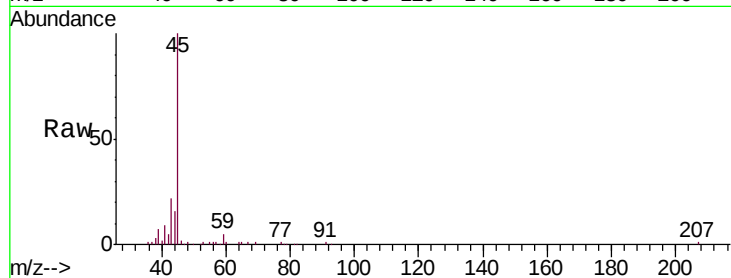




#15
Methyl Acetate
Concen: 1.885 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.17 min
Lab File: VU029465.D
Acq: 14 Feb 2019 19:08

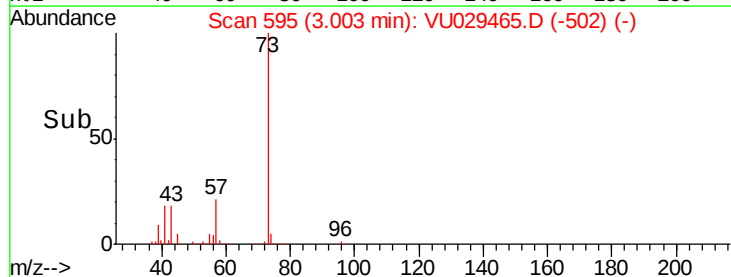
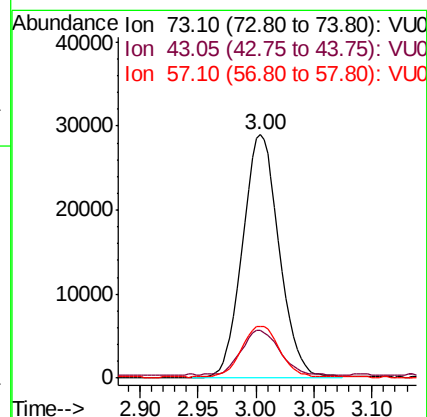
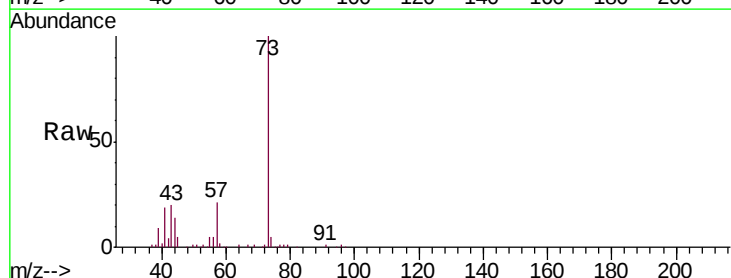
Instrument :
MSVOA_U
ClientSampleId :
ESXB7

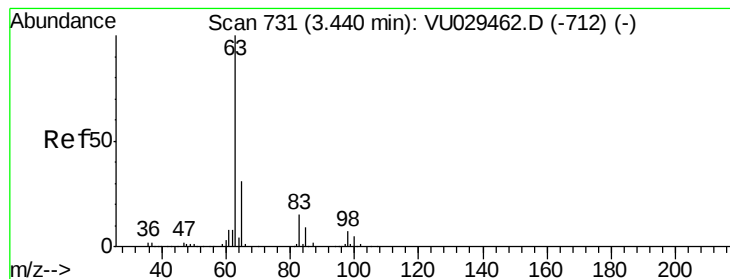
Tgt Ion: 43 Resp: 11758
Ion Ratio Lower Upper
43 100
74 0.0 22.3 33.5#



#17
Methyl tert-butyl Ether
Concen: 1.615 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU029465.D
Acq: 14 Feb 2019 19:08

Tgt Ion: 73 Resp: 63861
Ion Ratio Lower Upper
73 100
43 18.7 16.0 24.0
57 21.6 16.9 25.3





#19

1,1-Dichloroethane

Concen: 0.068 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU029465.D

Acq: 14 Feb 2019 19:08

Instrument :

MSVOA_U

ClientSampleId :

ESXB7

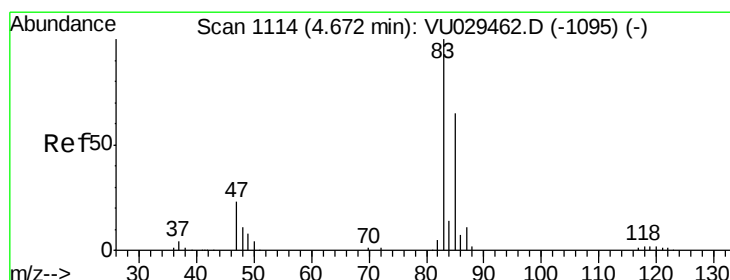
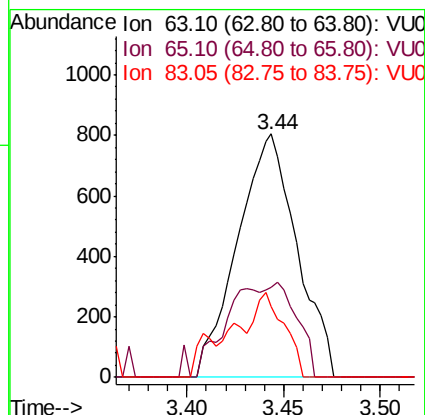
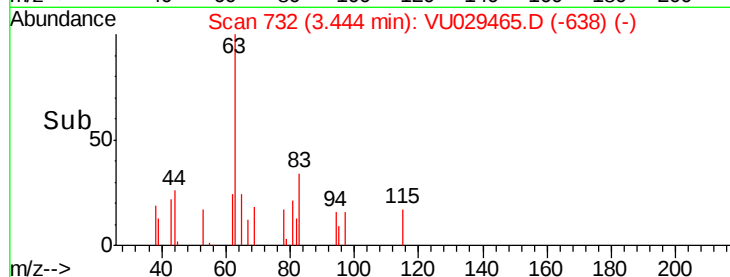
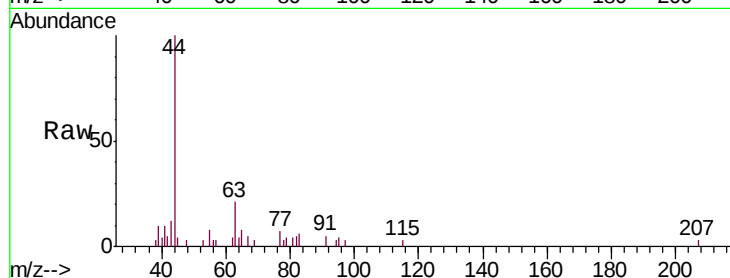
Tgt Ion: 63 Resp: 1715

Ion Ratio Lower Upper

63 100

65 36.8 23.5 43.7

83 28.9 10.3 19.1#



#25

Chloroform

Concen: 0.452 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029465.D

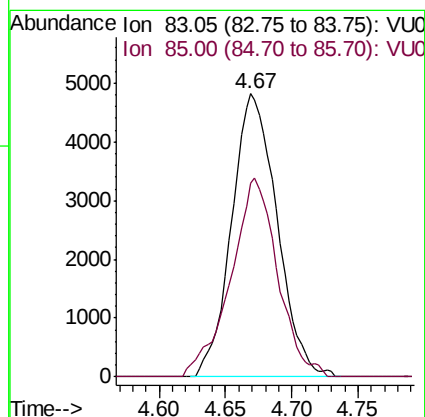
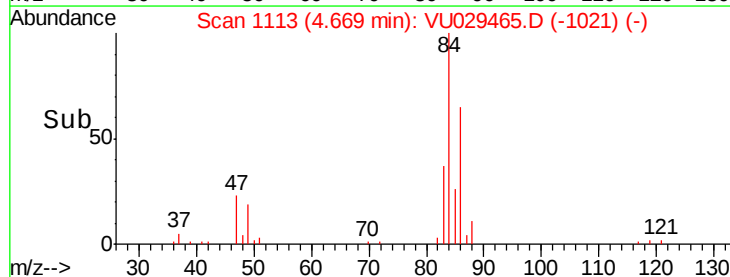
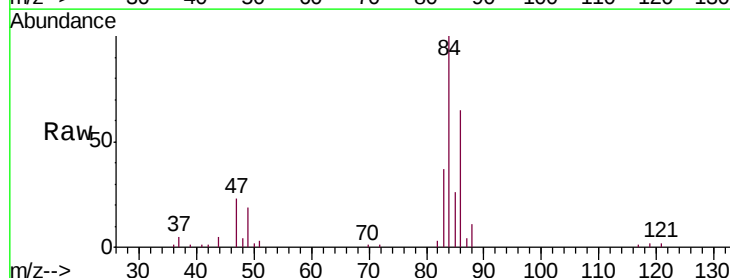
Acq: 14 Feb 2019 19:08

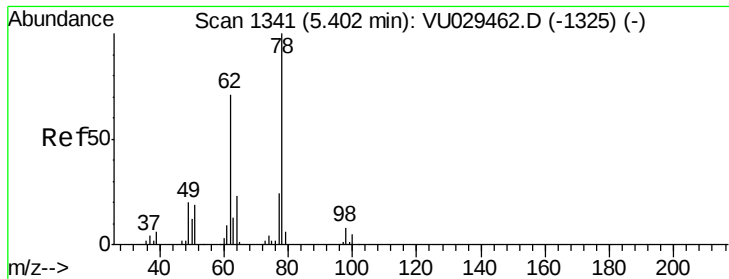
Tgt Ion: 83 Resp: 11468

Ion Ratio Lower Upper

83 100

85 68.3 47.8 88.8





#27

1,2-Dichloroethane

Concen: 0.070 ug/L

RT: 5.34 min Scan# 1322

Delta R.T. -0.06 min

Lab File: VU029465.D

Acq: 14 Feb 2019 19:08

Instrument :

MSVOA_U

ClientSampleId :

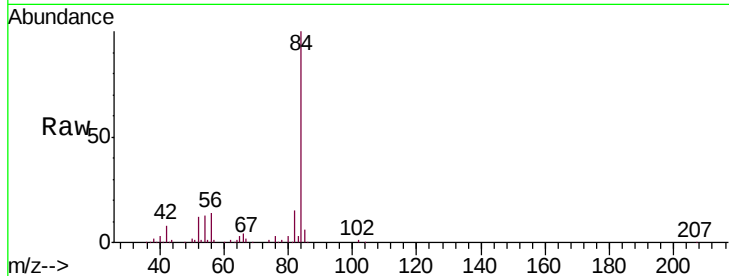
ESXB7

Tgt Ion: 62 Resp: 1023

Ion Ratio Lower Upper

62 100

98 0.0 8.4 12.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.34

5.35

5.36

5.37

5.38

5.39

5.40

5.41

5.42

5.43

5.44

5.45

5.46

5.47

5.48

5.49

5.50

5.51

5.52

5.53

5.54

5.55

5.56

5.57

5.58

5.59

5.60

5.61

5.62

5.63

5.64

5.65

5.66

5.67

5.68

5.69

5.70

5.71

5.72

5.73

5.74

5.75

5.76

5.77

5.78

5.79

5.80

5.81

5.82

5.83

5.84

5.85

5.86

5.87

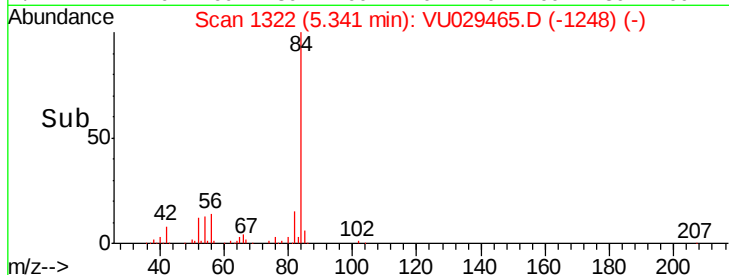
5.88

5.89

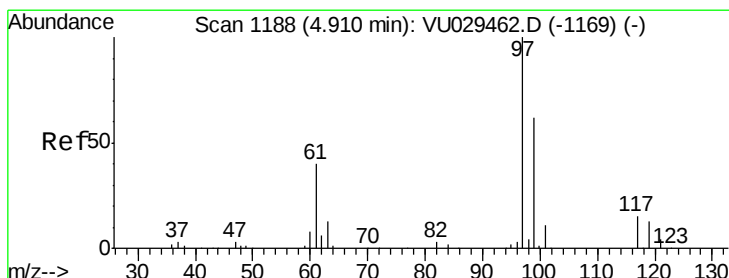
5.90

5.91

5.92



Time-->



#29

1,1,1-Trichloroethane

Concen: 0.068 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU029465.D

Acq: 14 Feb 2019 19:08

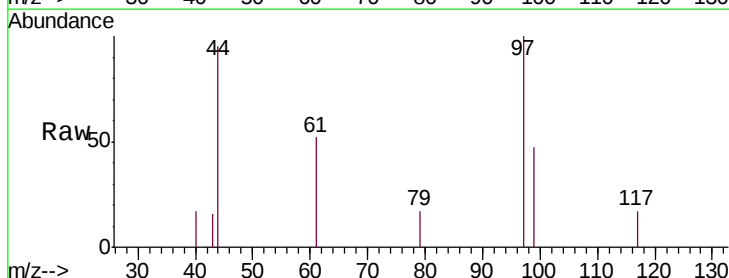
Tgt Ion: 97 Resp: 1497

Ion Ratio Lower Upper

97 100

99 28.9 52.2 78.2#

61 45.4 32.0 48.0



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0

4.91

4.92

4.93

4.94

4.95

4.96

4.97

4.98

4.99

5.00

5.01

5.02

5.03

5.04

5.05

5.06

5.07

5.08

5.09

5.10

5.11

5.12

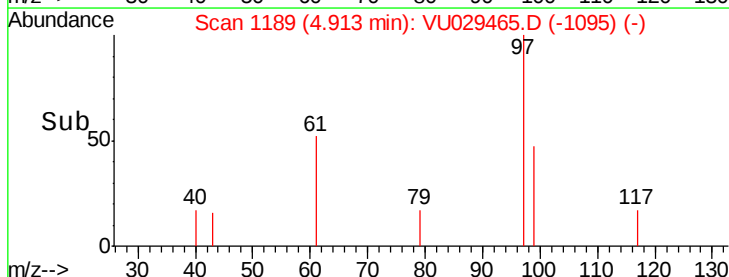
5.13

5.14

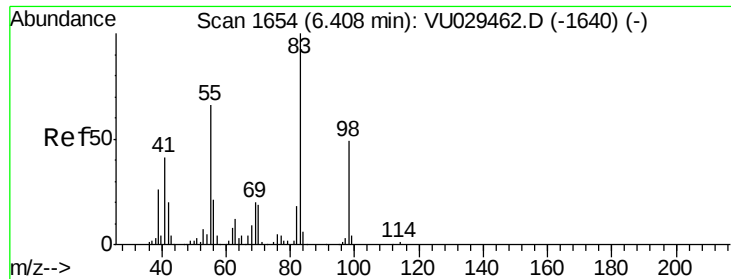
5.15

5.16

5.17



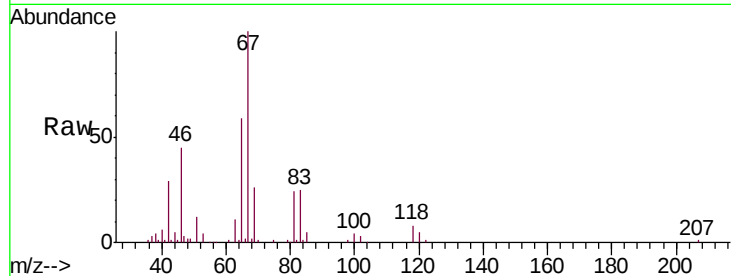
Time-->



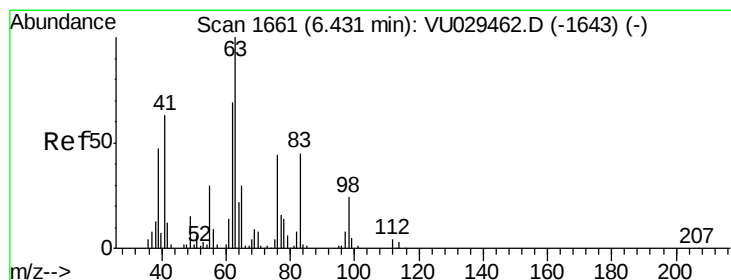
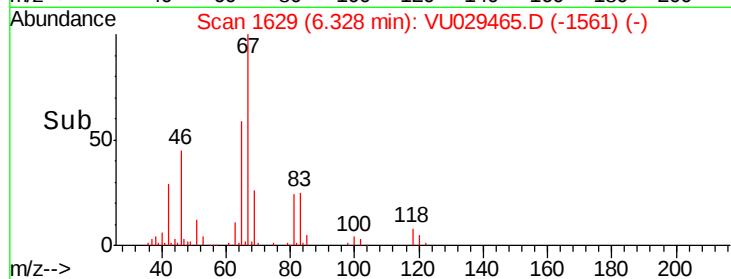
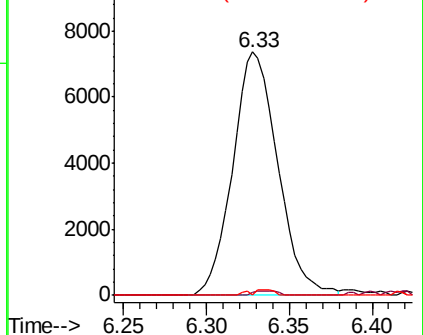
#35
Methylcyclohexane
Concen: 0.566 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029465.D
Acq: 14 Feb 2019 19:08

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Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.9	55.9	83.9#
98	0.9	38.6	57.8#

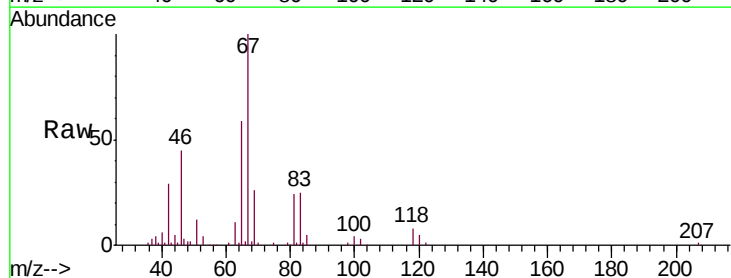


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

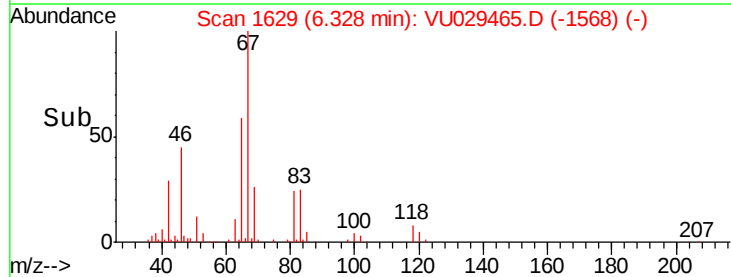
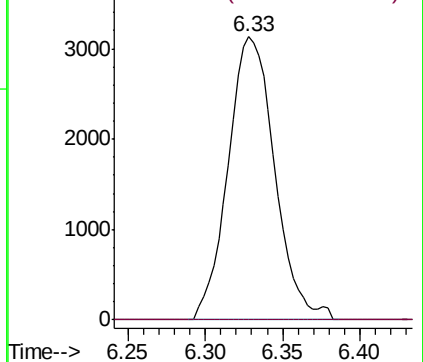


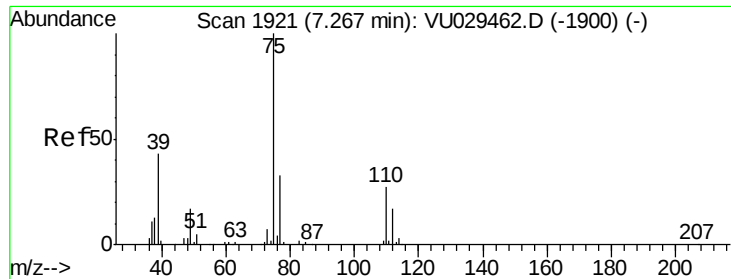
#37
1,2-Dichloropropane
Concen: 0.502 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029465.D
Acq: 14 Feb 2019 19:08

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.5	5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



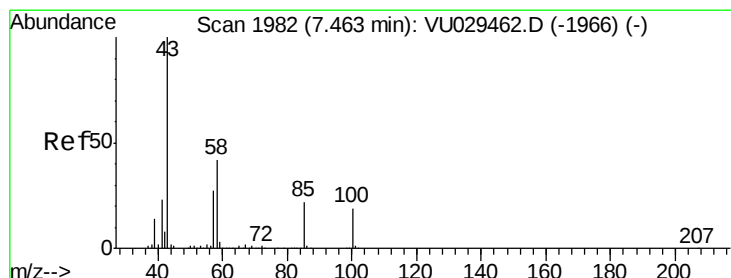
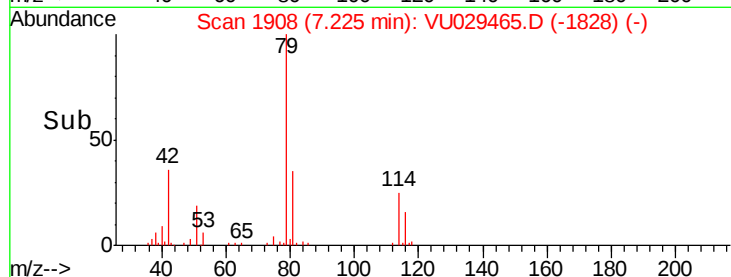
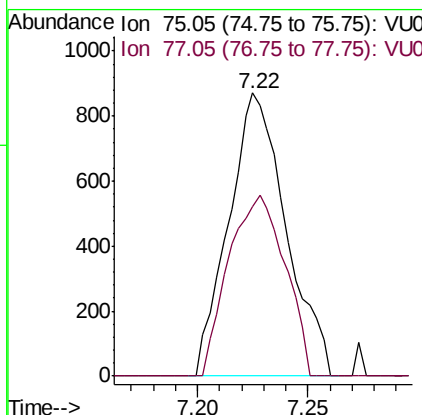
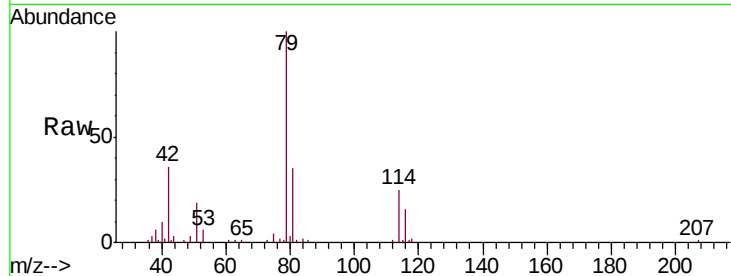


#39

cis-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU029465.D
 Acq: 14 Feb 2019 19:08

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 ESXB7

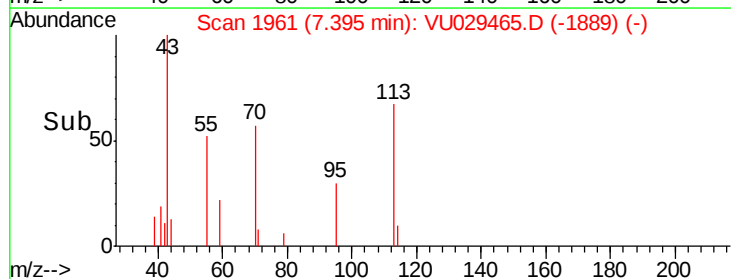
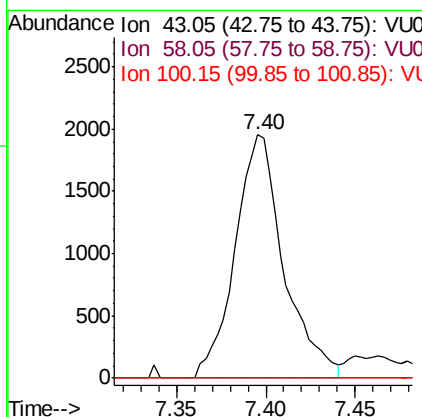
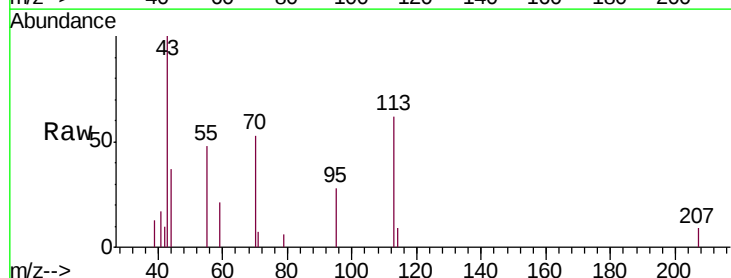
Tgt Ion: 75 Resp: 1569
 Ion Ratio Lower Upper
 75 100
 77 59.7 22.3 41.3#

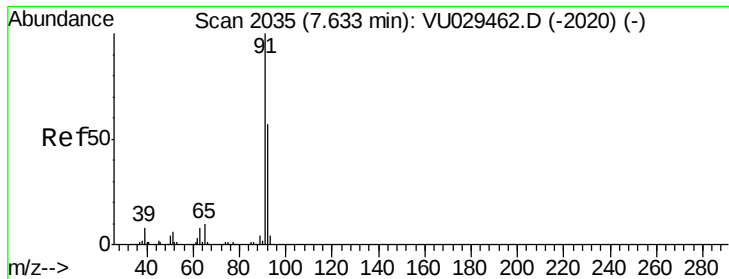


#40

4-Methyl-2-pentanone
 Concen: 0.494 ug/L
 RT: 7.40 min Scan# 1961
 Delta R.T. -0.07 min
 Lab File: VU029465.D
 Acq: 14 Feb 2019 19:08

Tgt Ion: 43 Resp: 3717
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.4 50.2#
 100 0.0 14.4 21.6#





#42

Toluene

Concen: 0.035 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029465.D

Acq: 14 Feb 2019 19:08

Instrument :

MSVOA_U

ClientSampled :

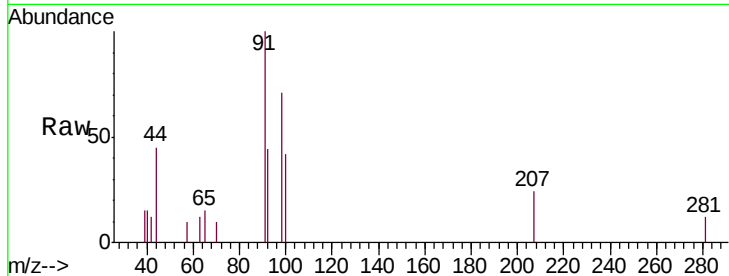
ESXB7

Tgt Ion: 91 Resp: 2032

Ion Ratio Lower Upper

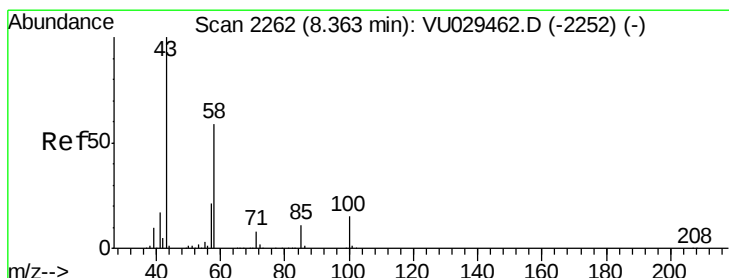
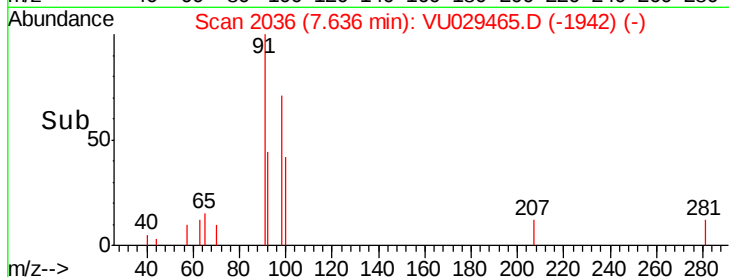
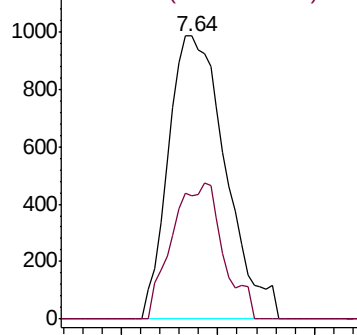
91 100

92 43.8 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#48

2-Hexanone

Concen: 2.612 ug/L

RT: 8.31 min Scan# 2246

Delta R.T. -0.05 min

Lab File: VU029465.D

Acq: 14 Feb 2019 19:08

Tgt Ion: 43 Resp: 14338

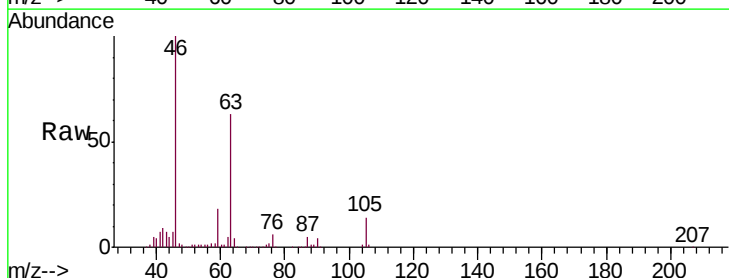
Ion Ratio Lower Upper

43 100

58 24.2 45.7 68.5#

57 23.8 16.4 24.6

100 0.0 11.1 16.7#

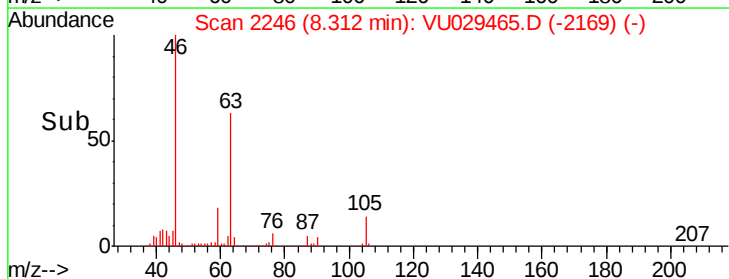
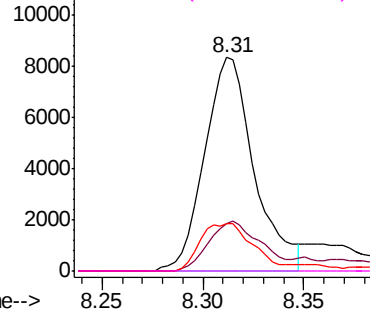


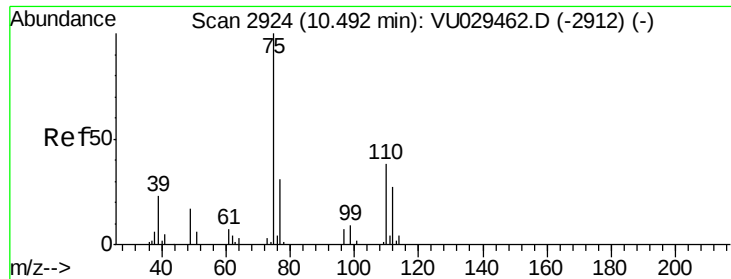
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.111 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029465.D

Acq: 14 Feb 2019 19:08

Instrument :

MSVOA_U

ClientSampleId :

ESXB7

Tgt Ion: 75 Resp: 9307

Ion Ratio Lower Upper

75 100

77 38.6 28.2 42.2

