

Data File : VU029472.D
Acq On : 14 Feb 2019 21:54
Operator : JC/SP
Sample : K1438-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXC4

Quant Time: Feb 15 01:59:11 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	193642	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	179947	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	95276	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49911	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.68	69	46843	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.60%
11) 1,1-Dichloroethene-d2	2.27	63	76621	2.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.20%#
20) 2-Butanone-d5	4.19	46	128898	47.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.30%
24) Chloroform-d	4.65	84	89495	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.31	65	47887	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	5.34	84	190606	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.33	67	56929	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.56	98	177010	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	7.85	79	21335	3.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.80%
46) 2-Hexanone-d5	8.31	63	130312	49.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	49674	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	79308	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

					Qvalue
3) Chloromethane	1.30	50	8131	0.508 ug/L #	68
5) Vinyl chloride	1.40	62	79336	4.254 ug/L #	60
8) Chloroethane	1.55	64	158047	13.015 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	692	0.041 ug/L #	19
12) 1,1-Dichloroethene	2.28	96	1997	0.125 ug/L #	1
13) Acetone	2.32	43	5698	2.319 ug/L	95
15) Methyl Acetate	2.74	43	29652	4.710 ug/L #	47
18) trans-1,2-Dichloroethene	2.98	96	6864	0.404 ug/L	89
22) cis-1,2-Dichloroethene	4.22	96	319045	20.411 ug/L	99
25) Chloroform	4.67	83	2039	0.080 ug/L	90
27) 1,2-Dichloroethane	5.34	62	912	0.062 ug/L #	72
30) Cyclohexane	4.99	56	17227	0.808 ug/L	95
35) Methylcyclohexane	6.41	83	33845	1.351 ug/L	99
39) cis-1,3-Dichloropropene	7.23	75	1463	0.070 ug/L #	59
45) 1,1,2-Trichloroethane	8.04	97	1048	0.103 ug/L #	17
48) 2-Hexanone	8.31	43	15039	2.698 ug/L #	67
59) 1,2,3-Trichloropropane	11.48	75	10047	1.181 ug/L	96

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

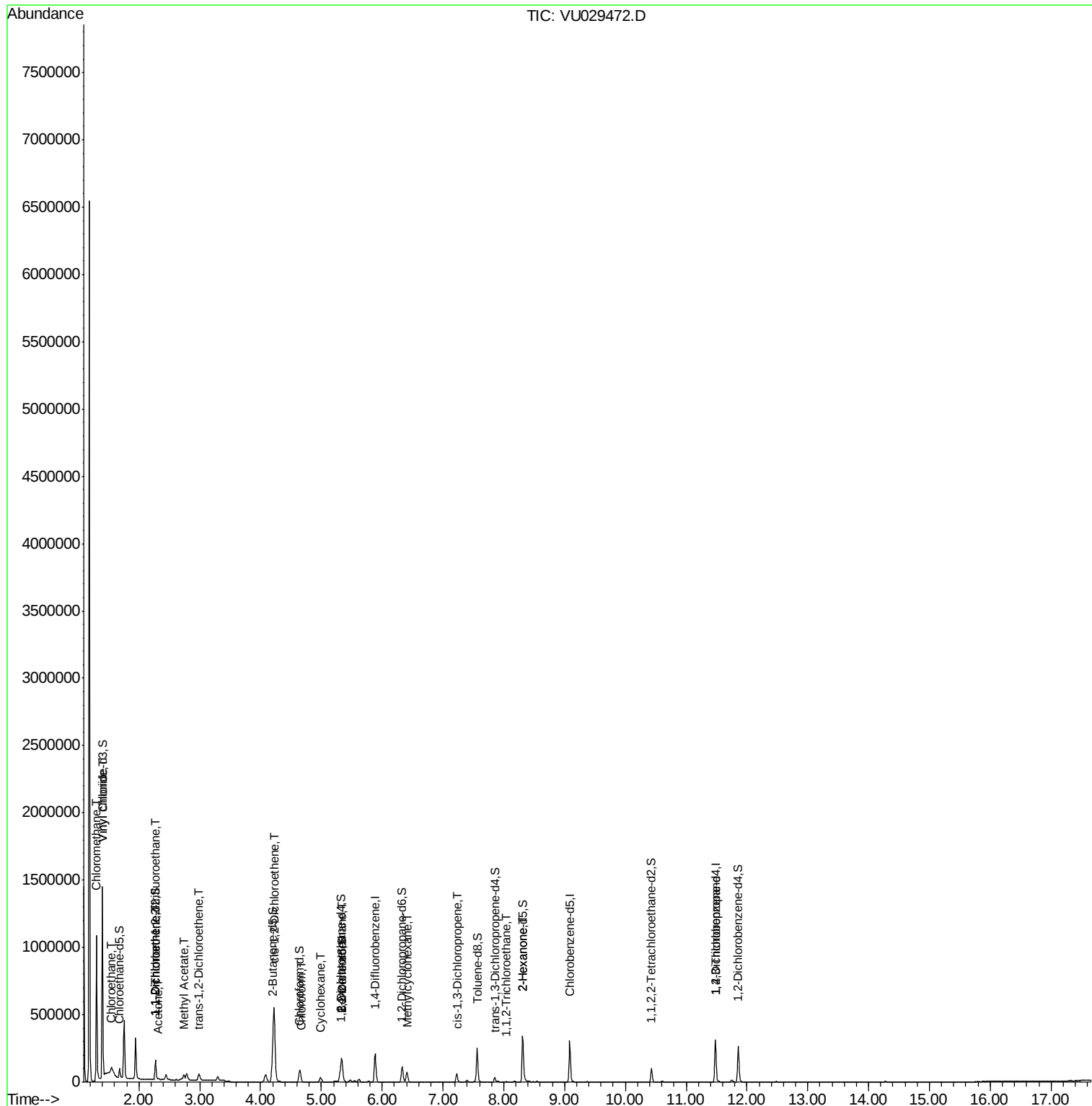
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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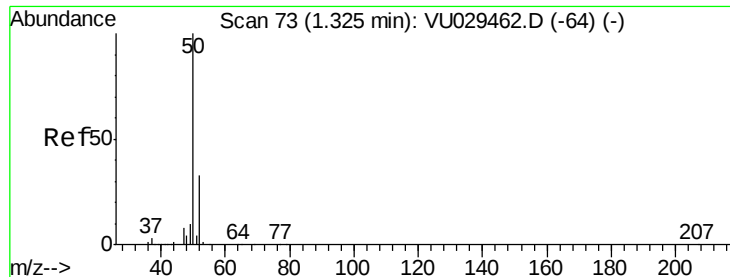
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.508 ug/L

RT: 1.30 min Scan# 66

Delta R.T. -0.02 min

Lab File: VU029472.D

Acq: 14 Feb 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

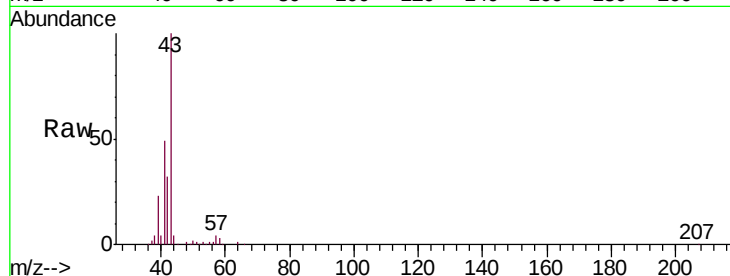
ESXC4

Tgt Ion: 50 Resp: 8131

Ion Ratio Lower Upper

50 100

52 14.7 23.1 42.9#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.30

8000

6000

4000

2000

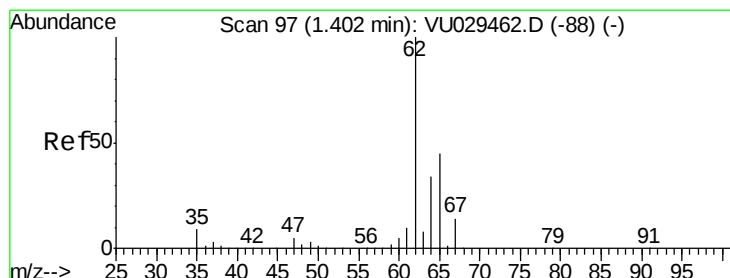
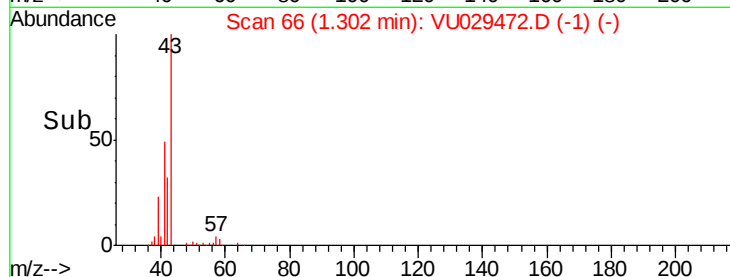
0

Time-->

1.25

1.30

1.35



#5

Vinyl chloride

Concen: 4.254 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029472.D

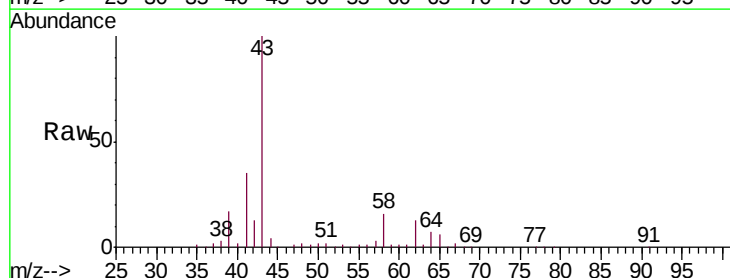
Acq: 14 Feb 2019 21:54

Tgt Ion: 62 Resp: 79336

Ion Ratio Lower Upper

62 100

64 56.2 23.5 43.7#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

80000

60000

40000

20000

0

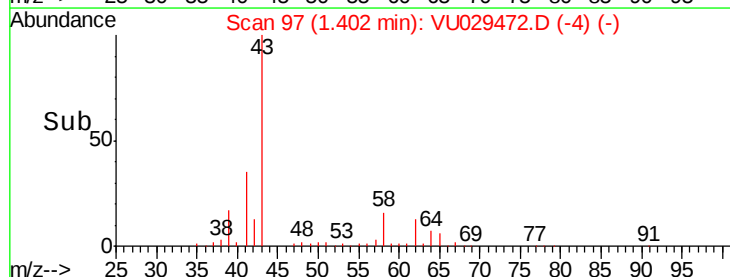
Time-->

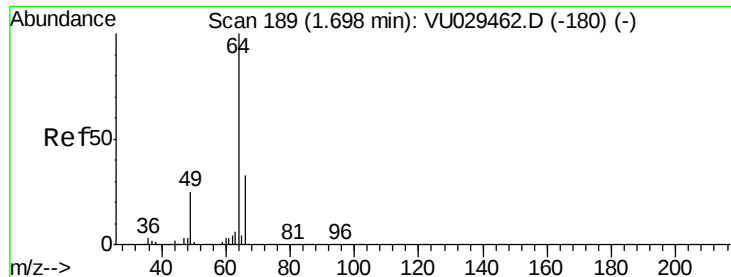
1.35

1.40

1.45

1.50





#8

Chloroethane

Concen: 13.015 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.15 min

Lab File: VU029472.D

Acq: 14 Feb 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

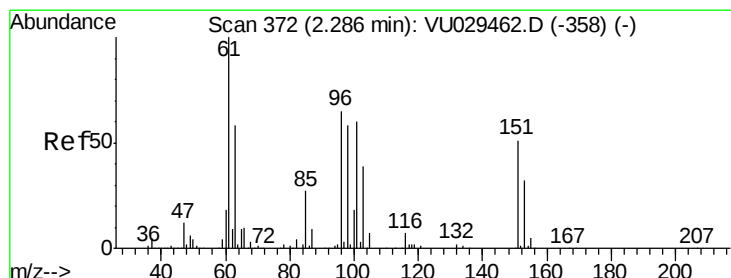
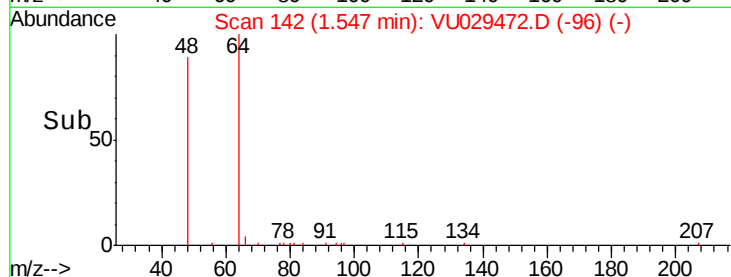
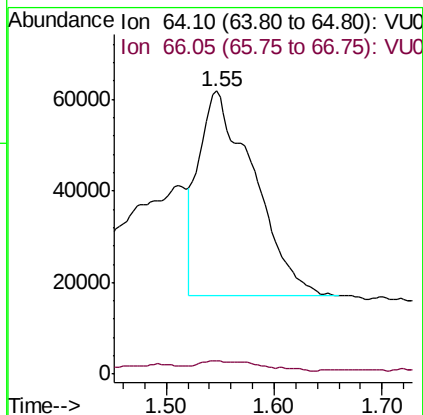
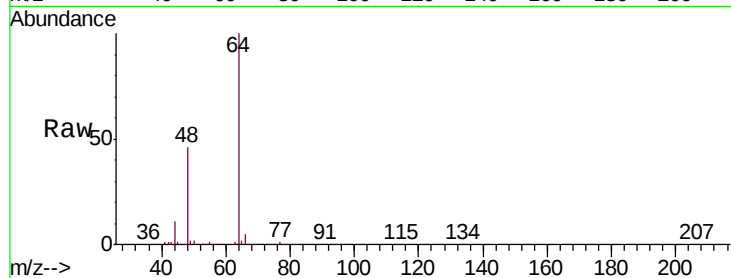
ESXC4

Tgt Ion: 64 Resp: 158047

Ion Ratio Lower Upper

64 100

66 4.9 22.0 40.8#



#10

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

Concen: 0.041 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029472.D

Acq: 14 Feb 2019 21:54

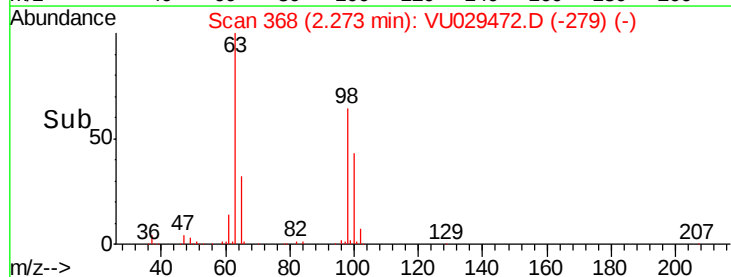
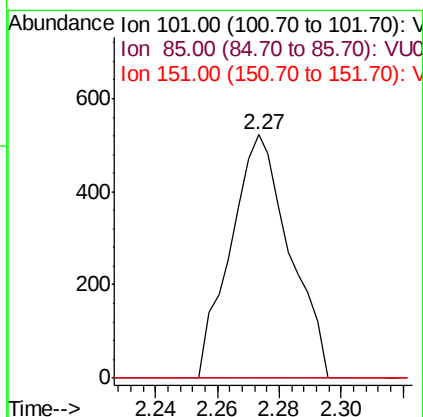
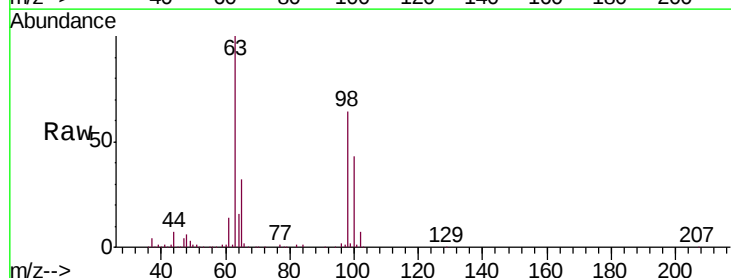
Tgt Ion: 101 Resp: 692

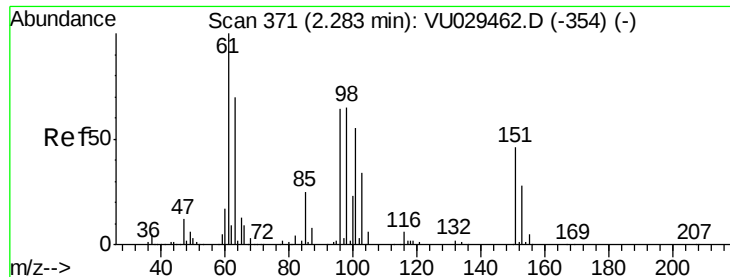
Ion Ratio Lower Upper

101 100

85 6.4 35.1 52.7#

151 0.0 67.0 100.6#

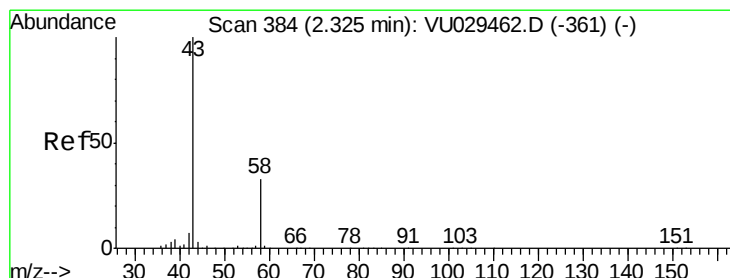
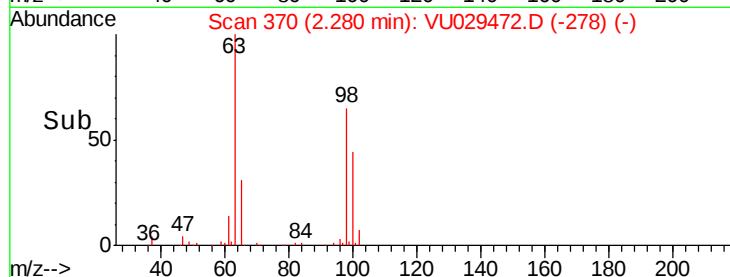
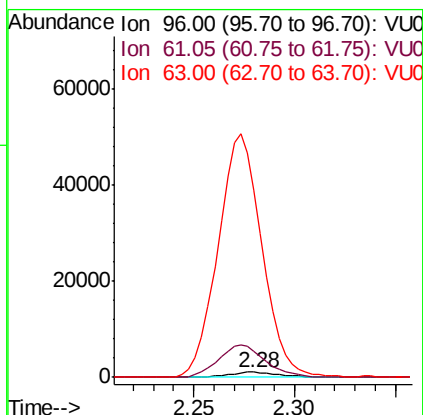
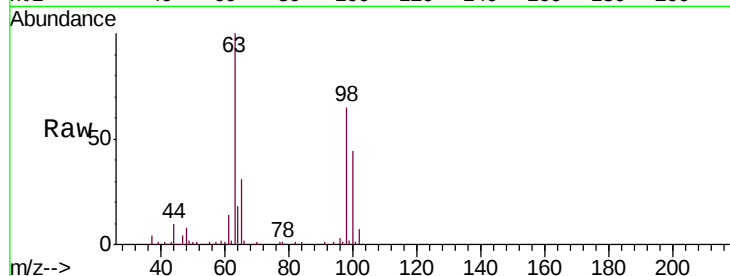




#12
 1,1-Dichloroethene
 Concen: 0.125 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU029472.D
 Acq: 14 Feb 2019 21:54

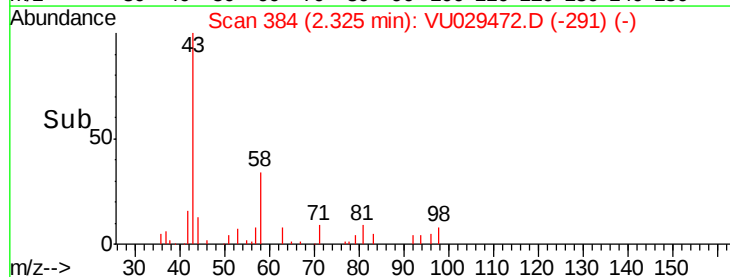
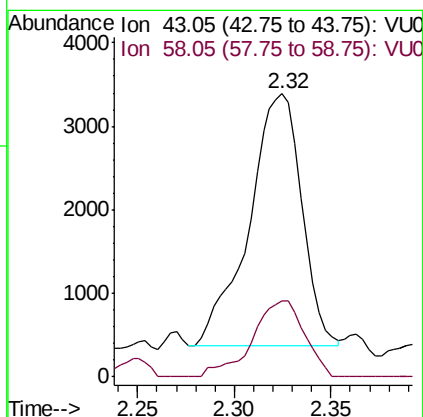
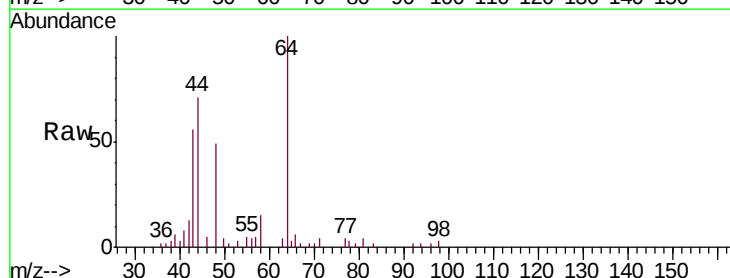
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXC4

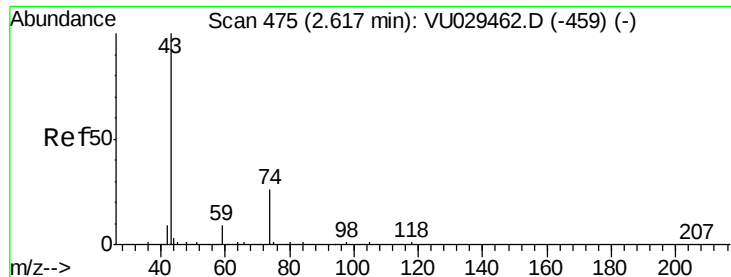
Tgt Ion: 96 Resp: 1997
 Ion Ratio Lower Upper
 96 100
 61 508.5 115.1 213.7#
 63 3608.9 83.5 155.1#



#13
 Acetone
 Concen: 2.319 ug/L
 RT: 2.32 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VU029472.D
 Acq: 14 Feb 2019 21:54

Tgt Ion: 43 Resp: 5698
 Ion Ratio Lower Upper
 43 100
 58 29.9 0.0 65.0

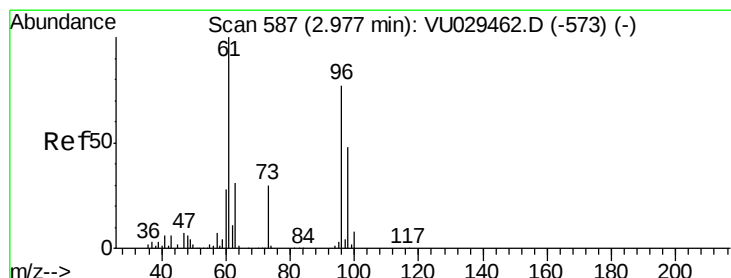
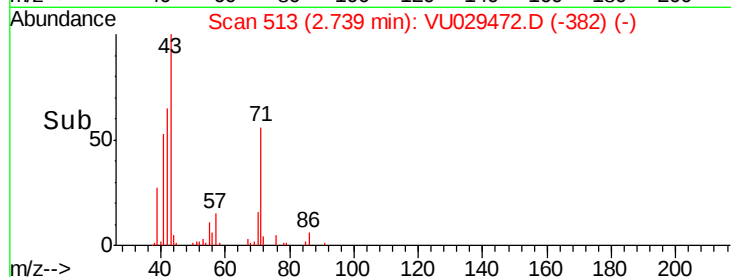
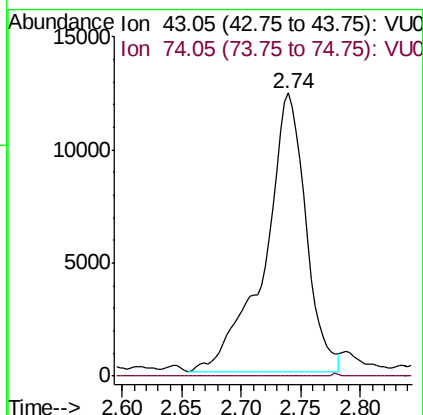
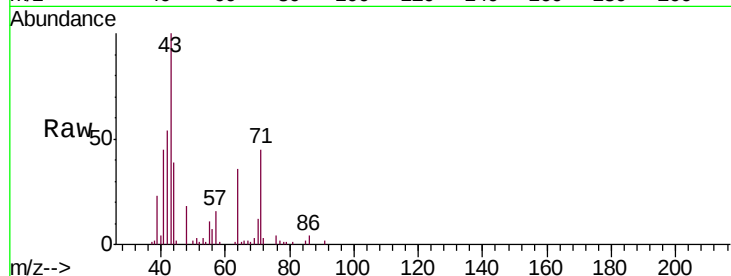




#15
Methyl Acetate
Concen: 4.710 ug/L
RT: 2.74 min Scan# 513
Delta R.T. 0.12 min
Lab File: VU029472.D
Acq: 14 Feb 2019 21:54

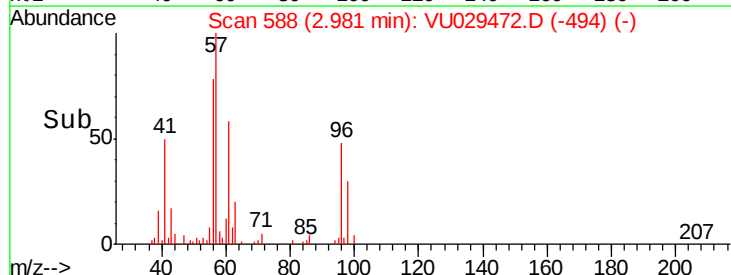
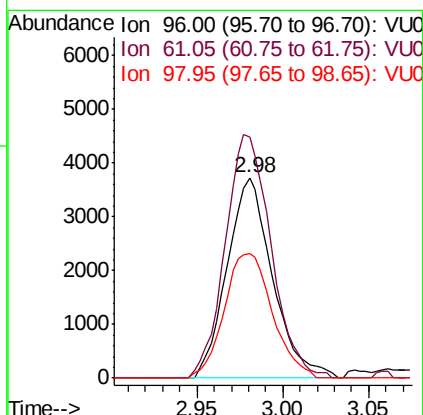
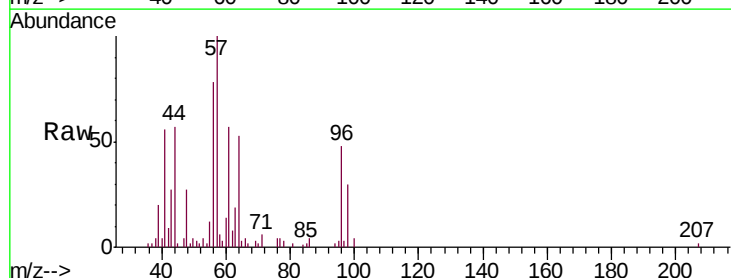
Instrument :
MSVOA_U
ClientSampleId :
ESXC4

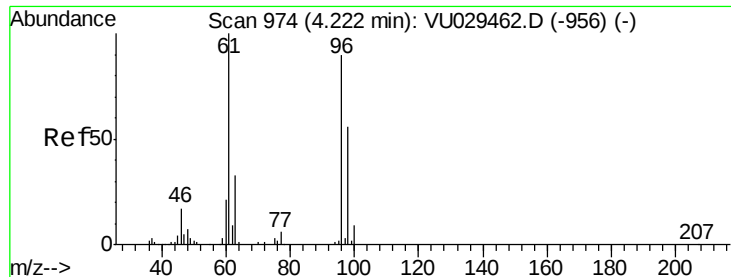
Tgt Ion: 43 Resp: 29652
Ion Ratio Lower Upper
43 100
74 0.1 22.3 33.5#



#18
trans-1,2-Dichloroethene
Concen: 0.404 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029472.D
Acq: 14 Feb 2019 21:54

Tgt Ion: 96 Resp: 6864
Ion Ratio Lower Upper
96 100
61 120.0 95.4 177.2
98 62.1 45.8 85.2





#22

cis-1,2-Dichloroethene

Concen: 20.411 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029472.D

Acq: 14 Feb 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

ESXC4

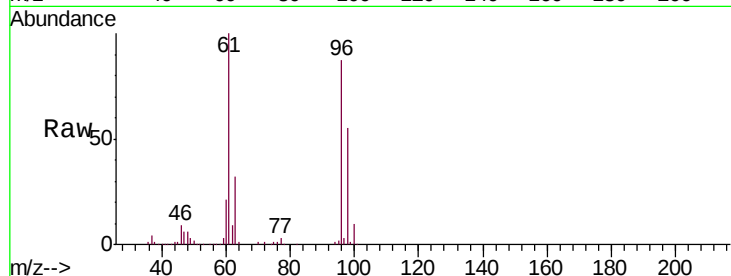
Tgt Ion: 96 Resp: 319045

Ion Ratio Lower Upper

96 100

61 114.8 79.9 148.5

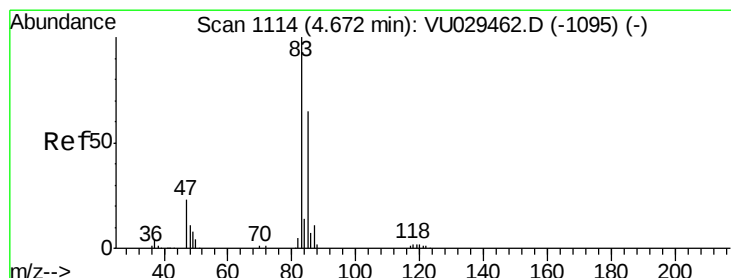
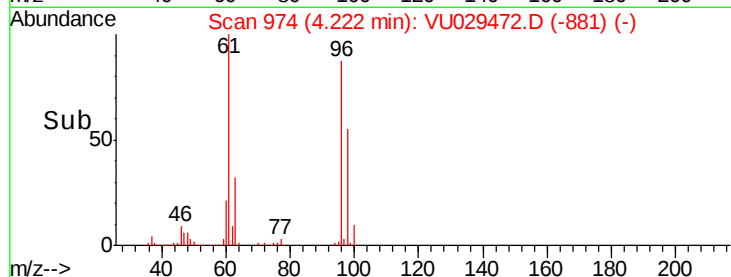
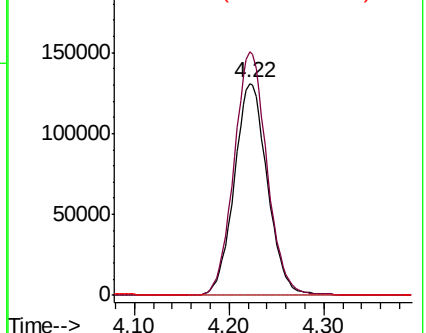
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.080 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU029472.D

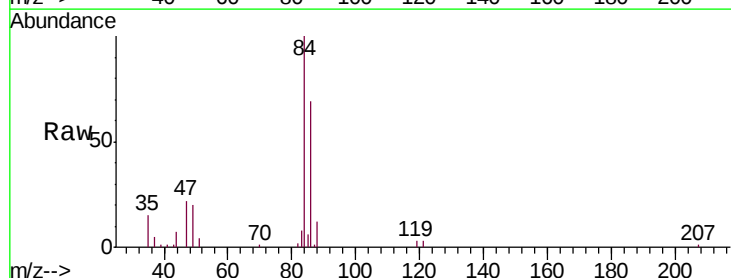
Acq: 14 Feb 2019 21:54

Tgt Ion: 83 Resp: 2039

Ion Ratio Lower Upper

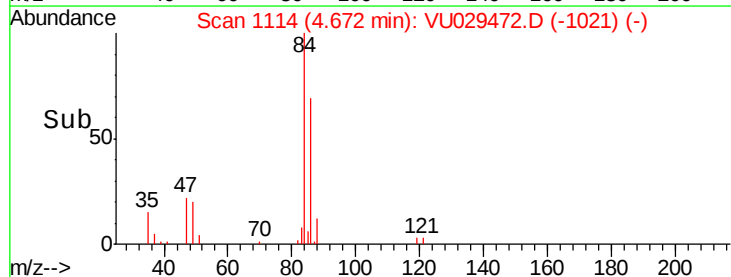
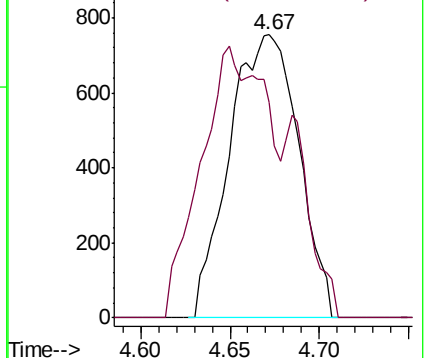
83 100

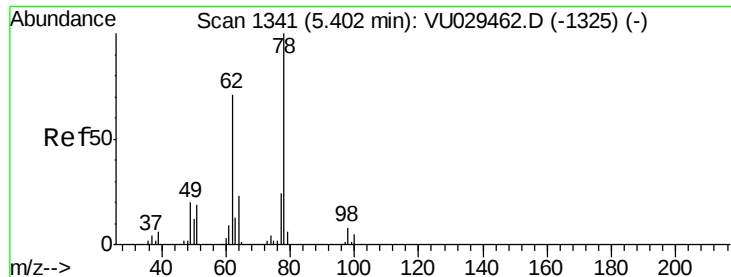
85 76.3 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.062 ug/L

RT: 5.34 min Scan# 1321

Delta R.T. -0.06 min

Lab File: VU029472.D

Acq: 14 Feb 2019 21:54

Instrument :

MSVOA_U

ClientSampled :

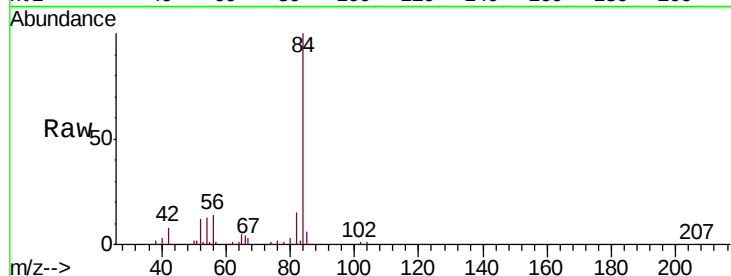
ESXC4

Tgt Ion: 62 Resp: 912

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

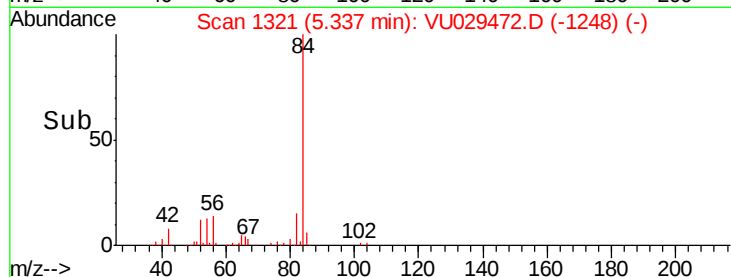
5.83

5.84

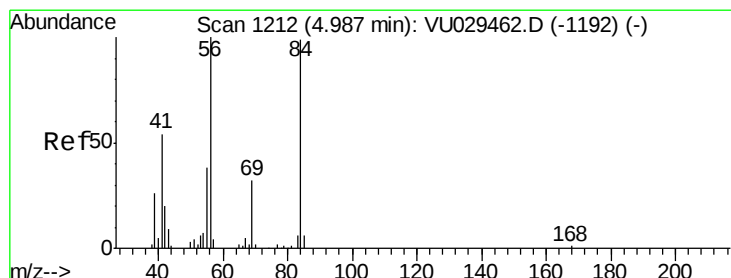
5.85

5.86

5.87



Time-->



#30

Cyclohexane

Concen: 0.808 ug/L

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU029472.D

Acq: 14 Feb 2019 21:54

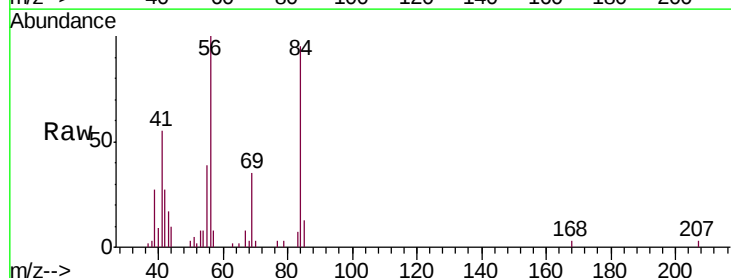
Tgt Ion: 56 Resp: 17227

Ion Ratio Lower Upper

56 100

69 34.5 25.8 38.6

84 98.4 75.0 112.6



Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

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

5.18

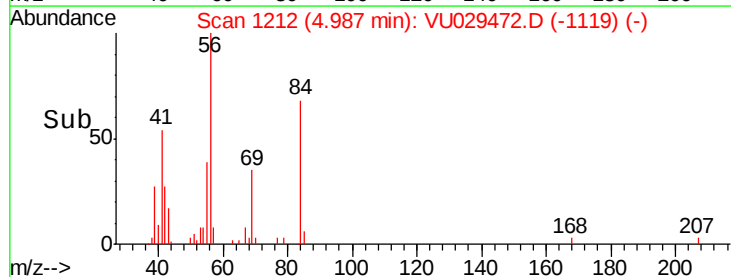
5.19

5.20

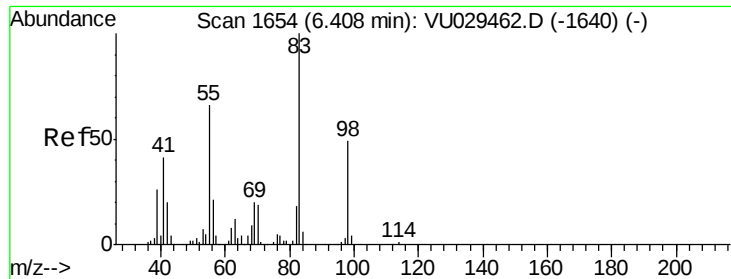
5.21

5.22

5.23



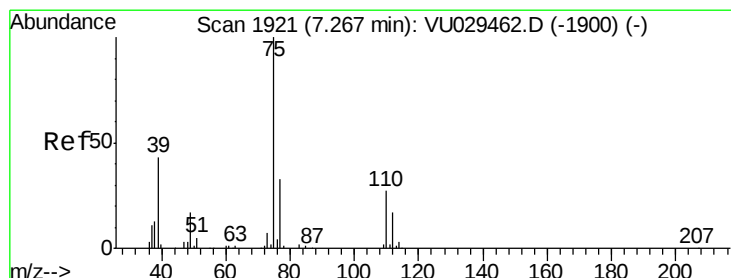
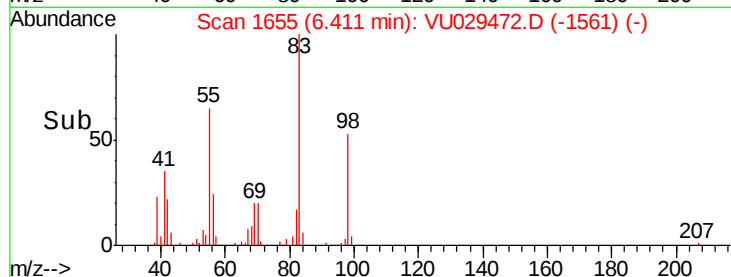
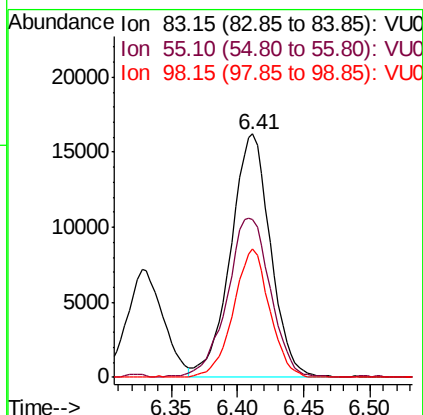
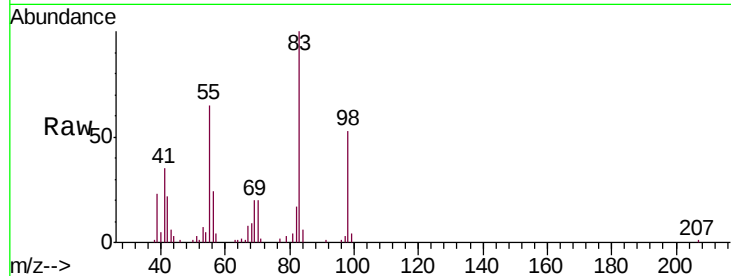
Time-->



#35
Methylcyclohexane
Concen: 1.351 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029472.D
Acq: 14 Feb 2019 21:54

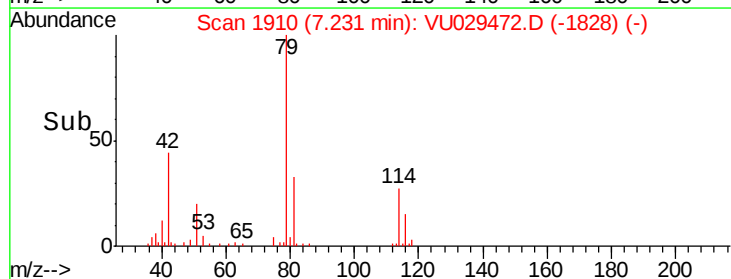
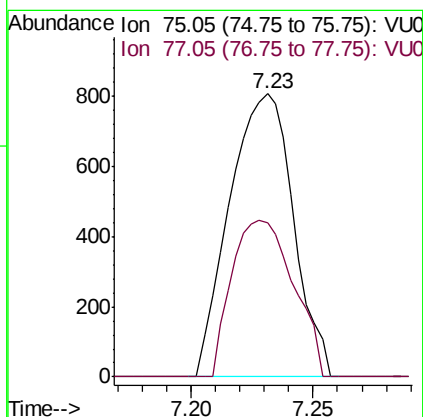
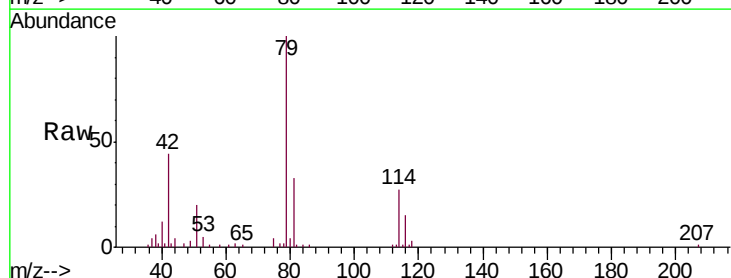
Instrument :
MSVOA_U
ClientSampleId :
ESXC4

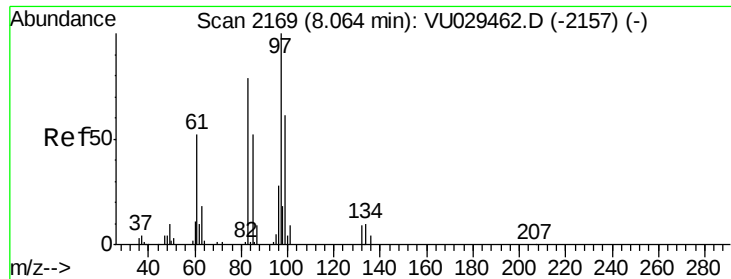
Tgt Ion: 83 Resp: 33845
Ion Ratio Lower Upper
83 100
55 71.3 55.9 83.9
98 47.8 38.6 57.8



#39
cis-1,3-Dichloropropene
Concen: 0.070 ug/L
RT: 7.23 min Scan# 1910
Delta R.T. -0.04 min
Lab File: VU029472.D
Acq: 14 Feb 2019 21:54

Tgt Ion: 75 Resp: 1463
Ion Ratio Lower Upper
75 100
77 54.5 22.3 41.3#

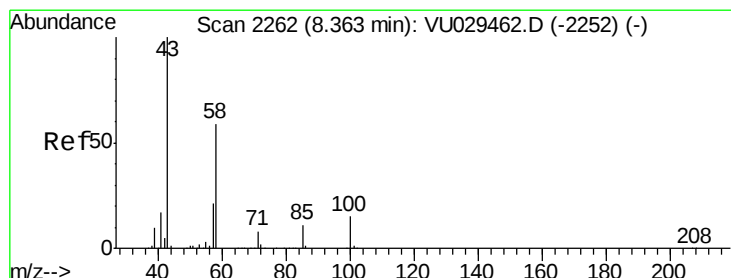
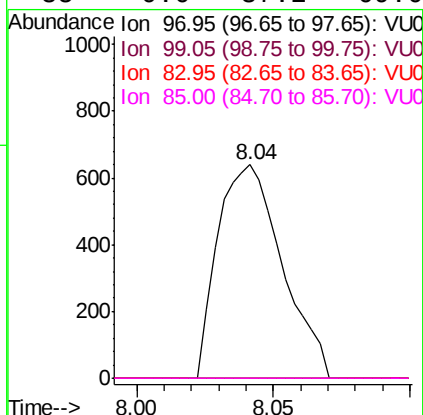
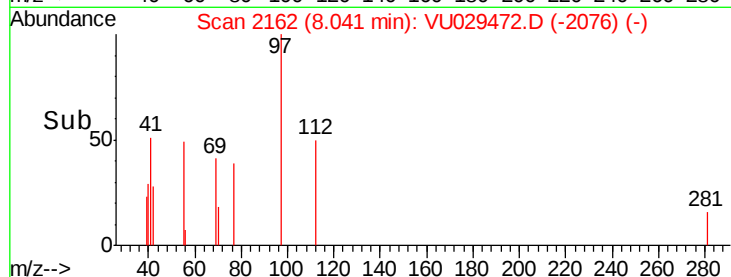
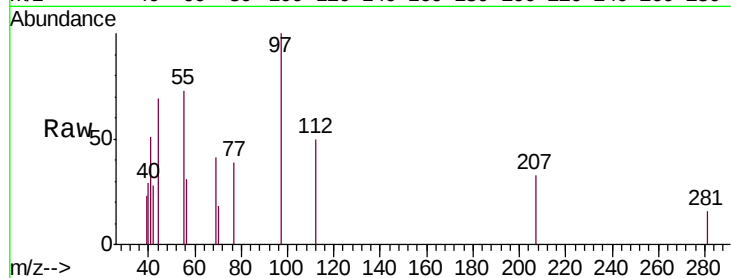




#45
 1,1,2-Trichloroethane
 Concen: 0.103 ug/L
 RT: 8.04 min Scan# 2162
 Delta R.T. -0.02 min
 Lab File: VU029472.D
 Acq: 14 Feb 2019 21:54

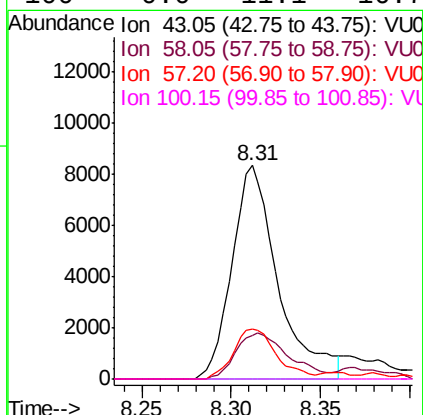
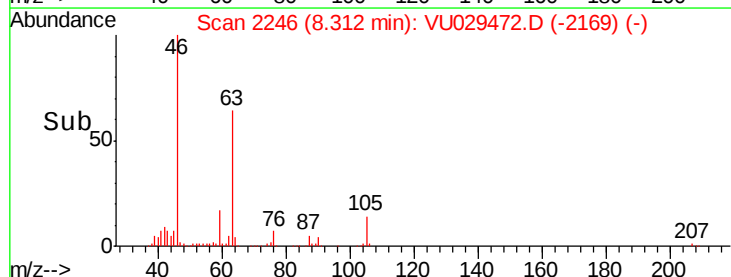
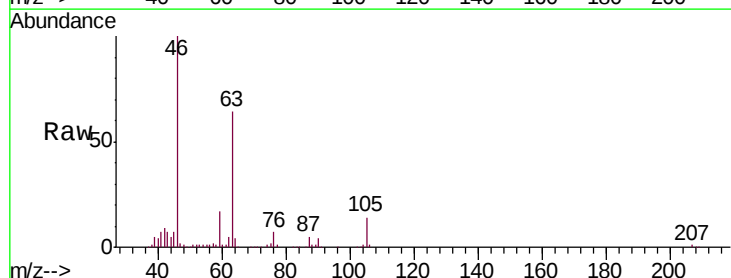
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXC4

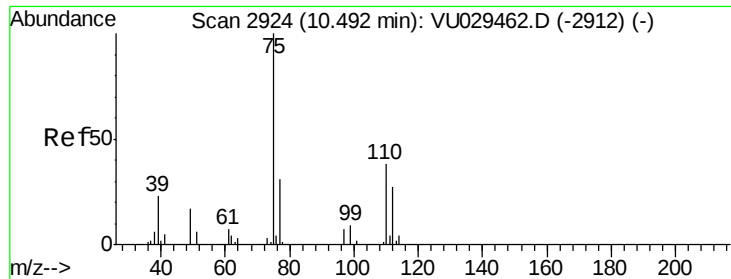
Tgt Ion: 97 Resp: 1048
 Ion Ratio Lower Upper
 97 100
 99 0.0 41.6 77.2#
 83 0.0 55.8 103.6#
 85 0.0 37.2 69.0#



#48
 2-Hexanone
 Concen: 2.698 ug/L
 RT: 8.31 min Scan# 2246
 Delta R.T. -0.05 min
 Lab File: VU029472.D
 Acq: 14 Feb 2019 21:54

Tgt Ion: 43 Resp: 15039
 Ion Ratio Lower Upper
 43 100
 58 25.0 45.7 68.5#
 57 21.8 16.4 24.6
 100 0.0 11.1 16.7#





#59

1,2,3-Trichloropropane

Concen: 1.181 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029472.D

Acq: 14 Feb 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

ESXC4

Tgt Ion: 75 Resp: 10047

Ion Ratio Lower Upper

75 100

77 33.0 28.2 42.2

