

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091020\
 Data File : VU040089.D
 Acq On : 10 Sep 2020 18:24
 Operator : SY/MD
 Sample : L3961-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y32

Quant Time: Sep 11 01:58:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 11 01:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	92181	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	91689	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	39783	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30957	6.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.00%
7) Chloroethane-d5	1.92	69	25348	6.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.00%
11) 1,1-Dichloroethene-d2	2.58	63	48126	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.65	46	103898	51.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.22%
24) Chloroform-d	5.08	84	62636	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.72	65	37357	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.75	84	111118	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.70	67	35866	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.91	98	96693	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	8.19	79	14048	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.64	63	75344	49.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	32405	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	37121	5.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

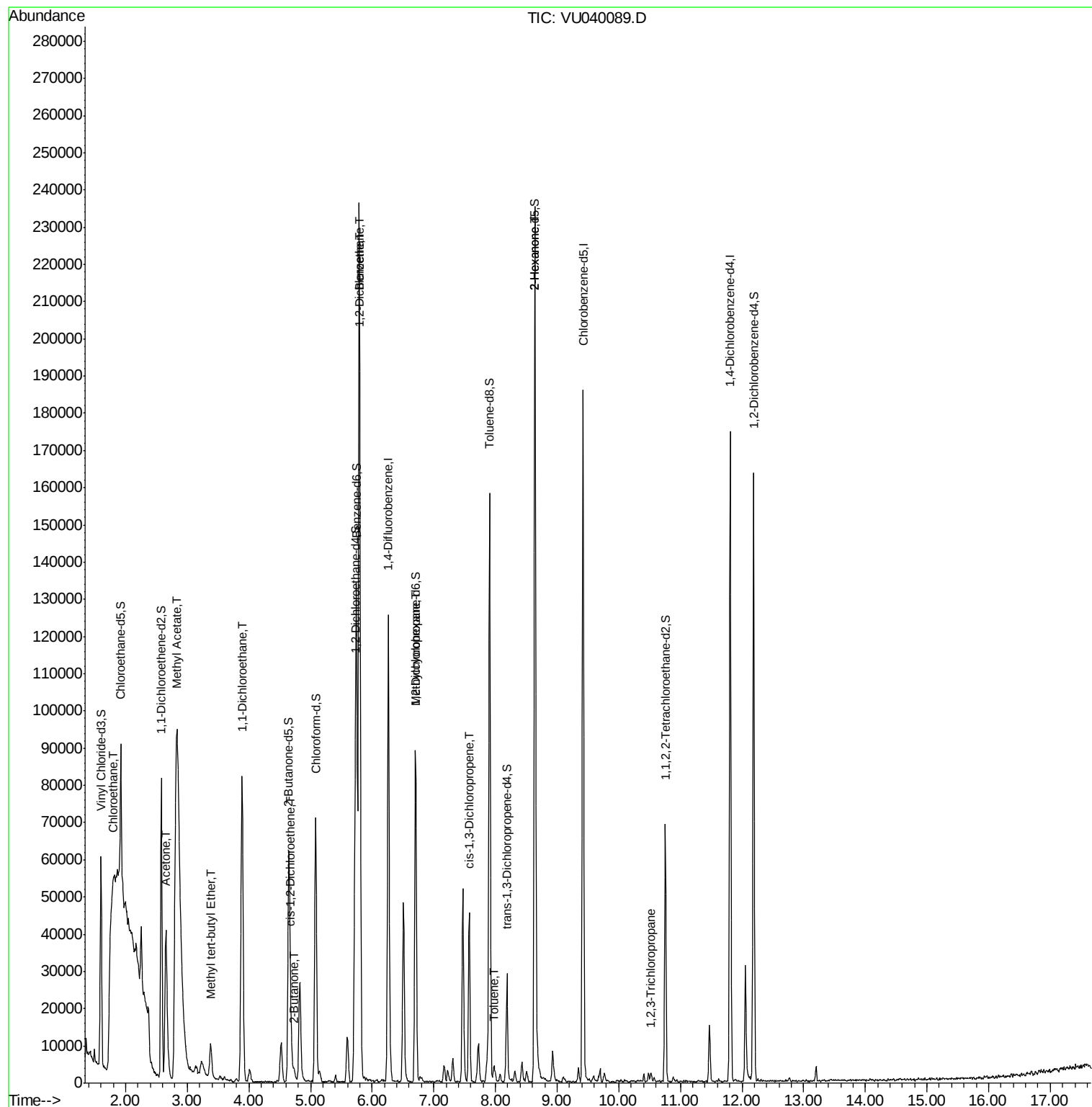
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.80	64	116554	21.842	ug/L #	51
13) Acetone	2.65	43	64806	34.775	ug/L	97
15) Methyl Acetate	2.82	43	23830	5.095	ug/L #	54
17) Methyl tert-butyl Ether	3.38	73	8453	0.393	ug/L #	93
19) 1,1-Dichloroethane	3.89	63	91861	5.816	ug/L	98
21) 2-Butanone	4.73	43	4406	1.448	ug/L	92
22) cis-1,2-Dichloroethene	4.68	96	1191	0.144	ug/L	86
27) 1,2-Dichloroethane	5.81	62	18305	1.545	ug/L #	94
33) Benzene	5.79	78	203399	6.201	ug/L	100
35) Methylcyclohexane	6.70	83	9091	0.675	ug/L #	15
39) cis-1,3-Dichloropropene	7.57	75	1170	0.089	ug/L #	40
42) Toluene	7.98	91	2919	0.086	ug/L	100
48) 2-Hexanone	8.64	43	10972	2.064	ug/L #	76
59) 1,2,3-Trichloropropane	10.52	75	1563	0.238	ug/L #	80

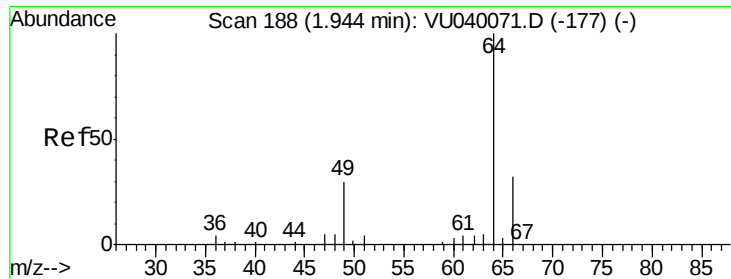
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 21.842 ug/L

RT: 1.80 min Scan# 143

Delta R.T. -0.14 min

Lab File: VU040089.D

Acq: 10 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampled :

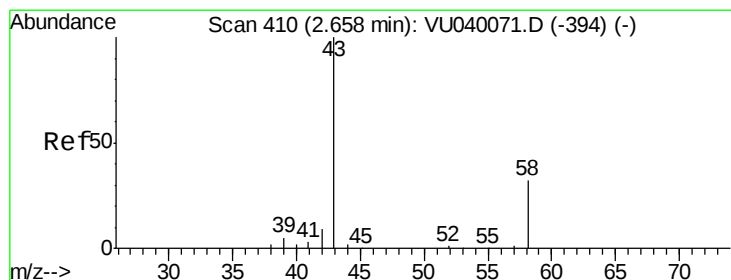
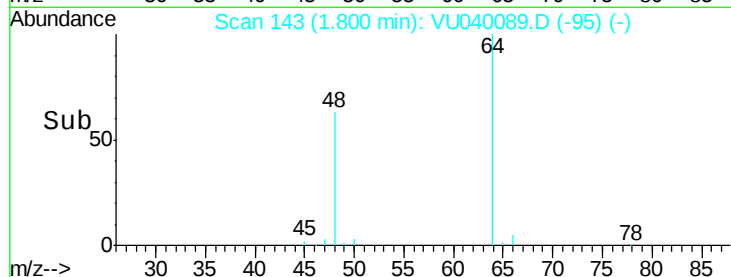
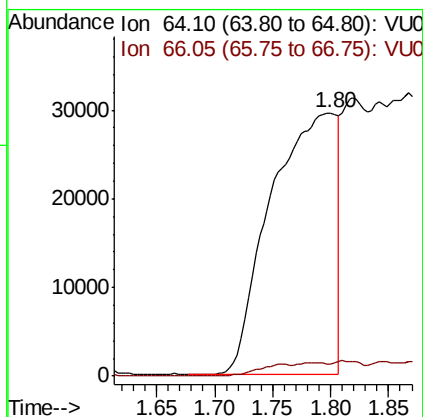
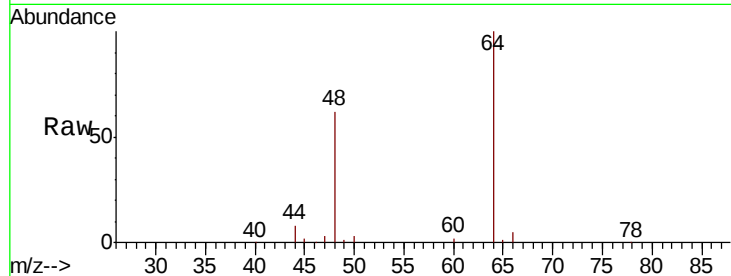
F4Y32

Tot Ion: 64 Resp: 116554

Ion Ratio Lower Upper

64 100

66 4.7 22.7 42.1#



#13

Acetone

Concen: 34.775 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU040089.D

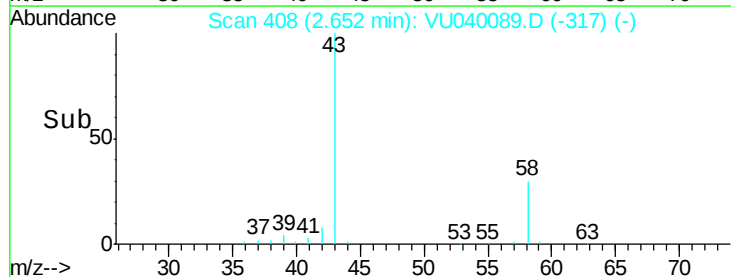
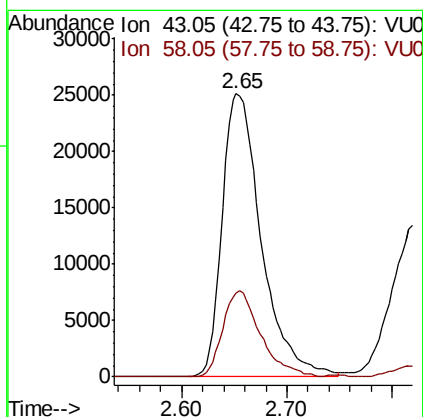
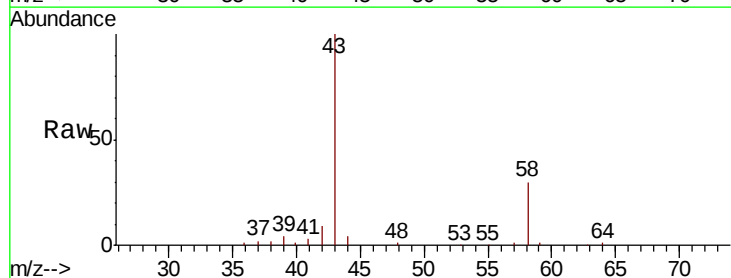
Acq: 10 Sep 2020 18:24

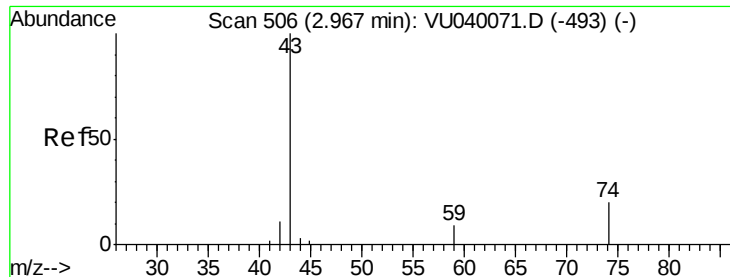
Tgt Ion: 43 Resp: 64806

Ion Ratio Lower Upper

43 100

58 29.3 0.0 55.4





#15

Methvl Acetate

Concen: 5.095 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.15 min

Lab File: VU040089.D

Acq: 10 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

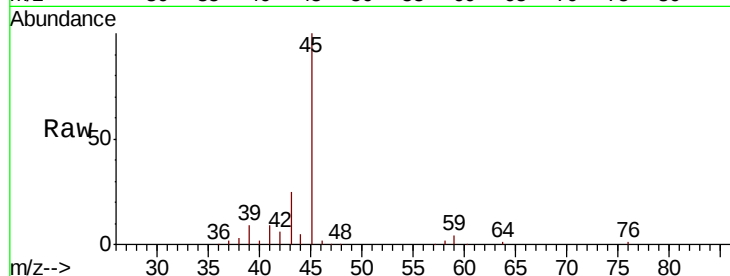
F4Y32

Tot Ion: 43 Resp: 23830

Ion Ratio Lower Upper

43 100

74 0.1 17.4 26.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

15000

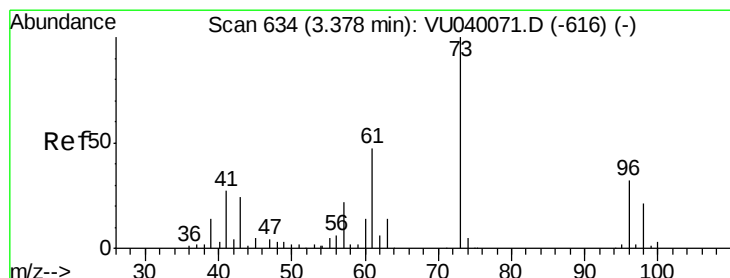
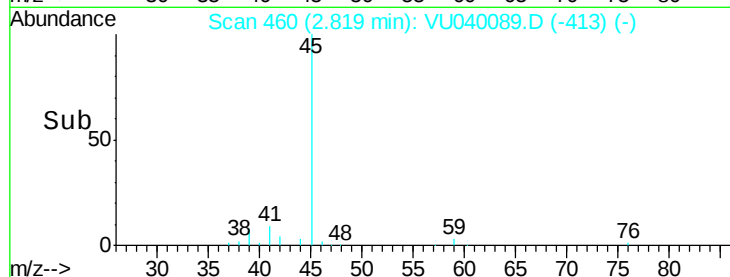
10000

5000

0

2.75 2.80

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.393 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040089.D

Acq: 10 Sep 2020 18:24

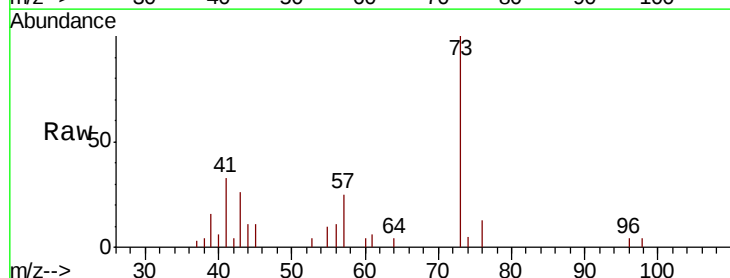
Tgt Ion: 73 Resp: 8453

Ion Ratio Lower Upper

73 100

43 17.9 19.1 28.7#

57 23.9 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

4000

3000

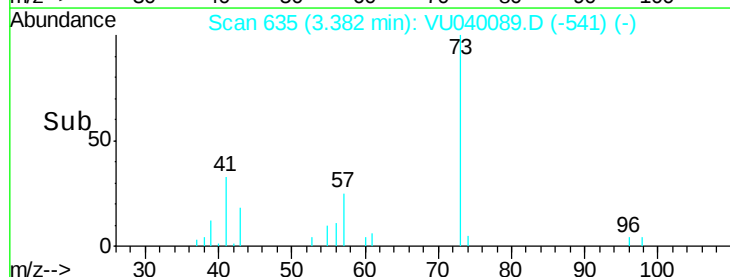
2000

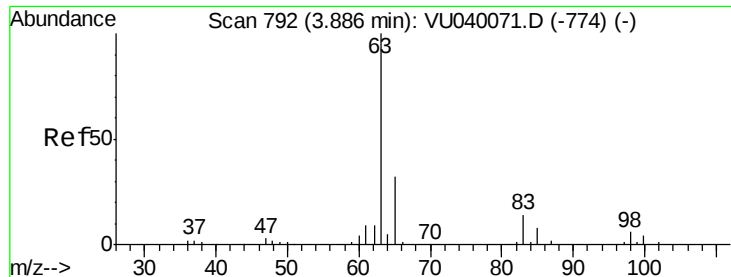
1000

0

3.30 3.35 3.40 3.45

Time-->

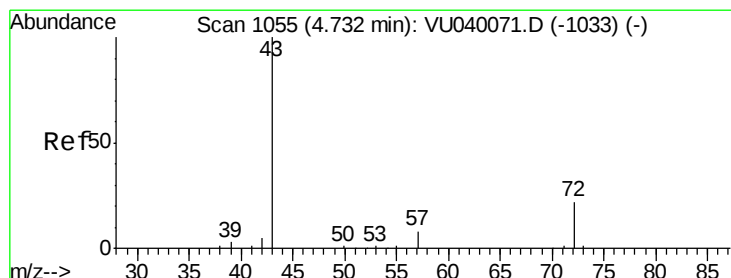
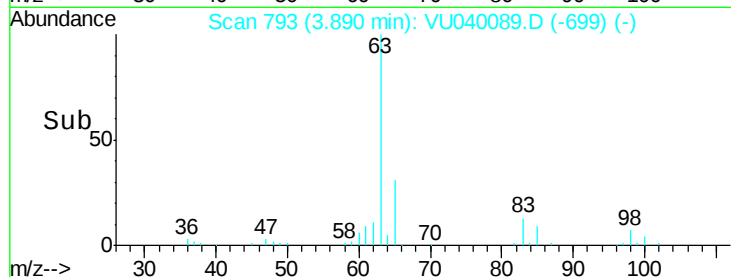
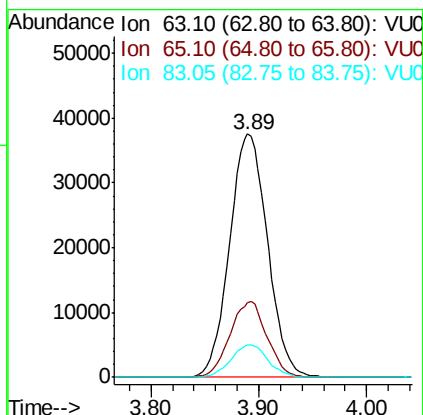
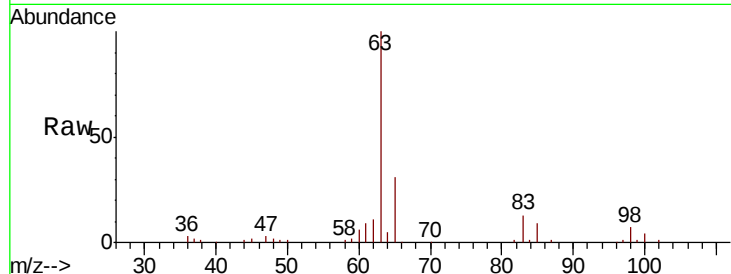




#19
 1,1-Dichloroethane
 Concen: 5.816 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040089.D
 Acq: 10 Sep 2020 18:24

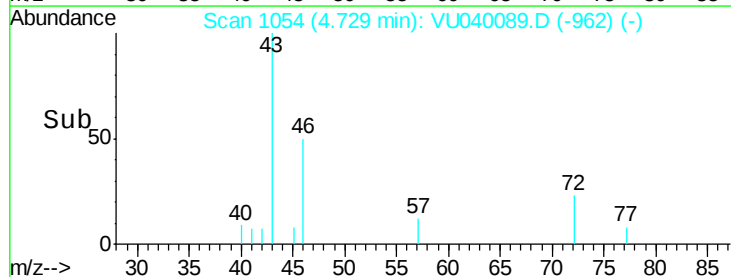
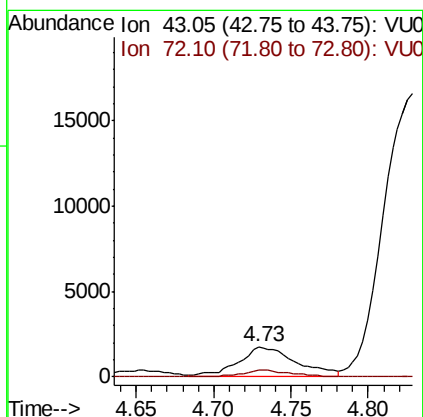
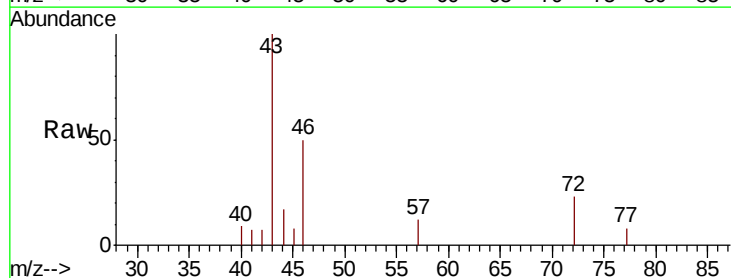
Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y32

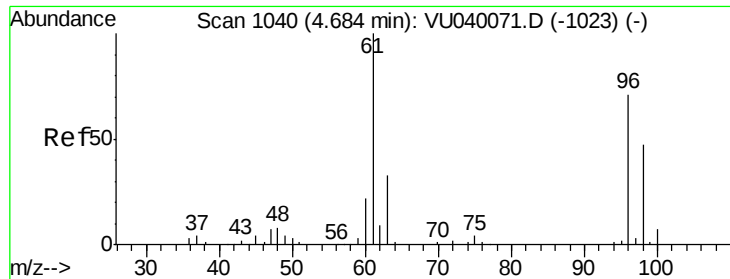
Tot Ion: 63 Resp: 91861
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.2 41.2
 83 13.2 9.4 17.6



#21
 2-Butanone
 Concen: 1.448 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU040089.D
 Acq: 10 Sep 2020 18:24

Tgt Ion: 43 Resp: 4406
 Ion Ratio Lower Upper
 43 100
 72 19.6 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 0.144 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040089.D

Acq: 10 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

F4Y32

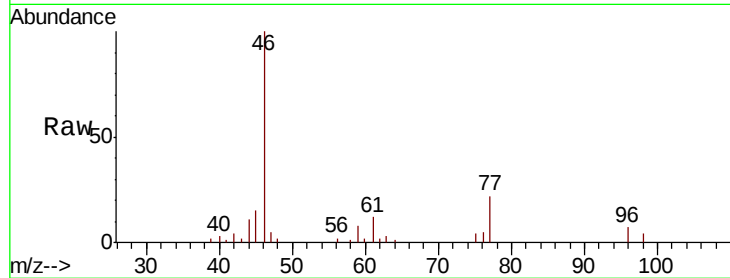
Tot Ion: 96 Resp: 1191

Ion Ratio Lower Upper

96 100

61 158.6 98.8 183.4

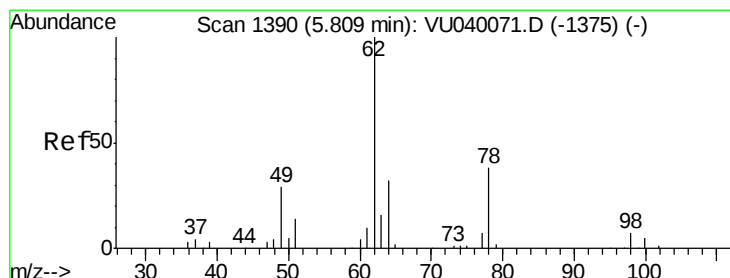
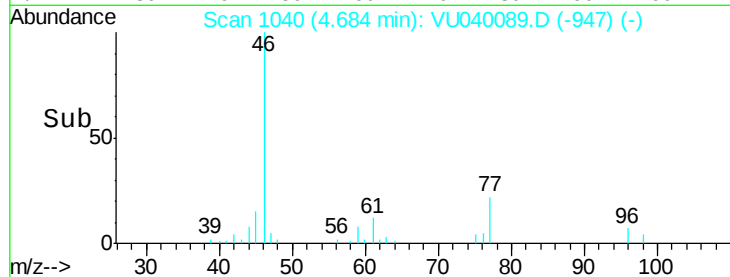
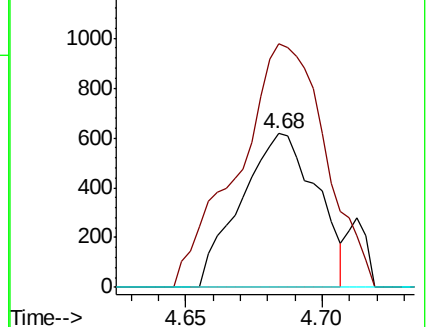
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040089.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040089.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040089.D (-947) (-)



#27

1,2-Dichloroethane

Concen: 1.545 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU040089.D

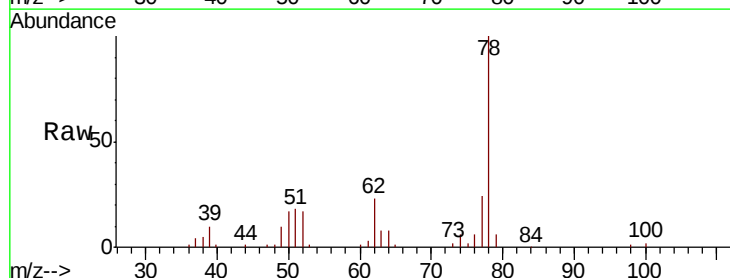
Acq: 10 Sep 2020 18:24

Tgt Ion: 62 Resp: 18305

Ion Ratio Lower Upper

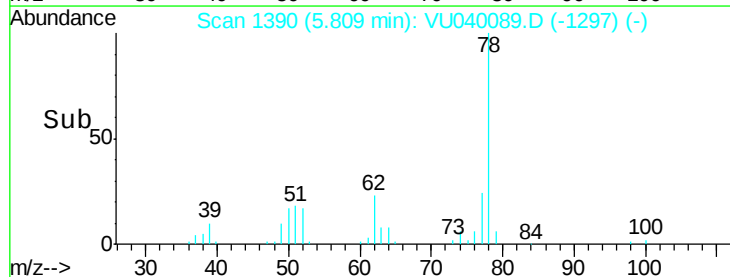
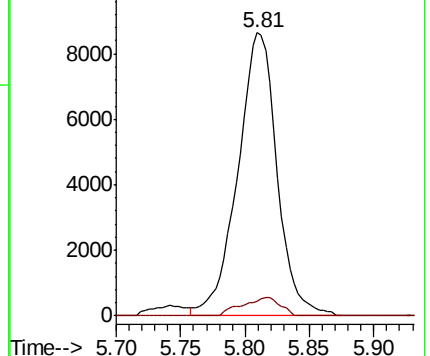
62 100

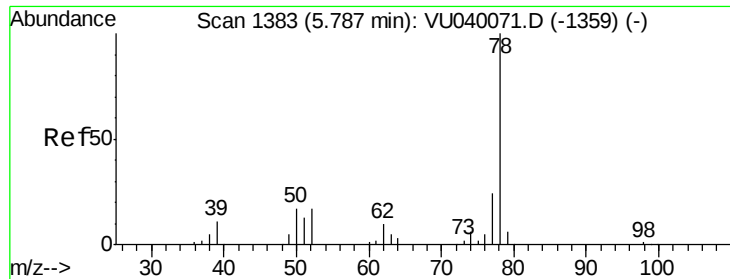
98 5.4 6.1 9.1#



Abundance Ion 62.00 (61.70 to 62.70): VU040089.D (-1297) (-)

Ion 98.05 (97.75 to 98.75): VU040089.D (-1297) (-)





#33

Benzene

Concen: 6.201 ug/L

RT: 5.79 min Scan# 1384

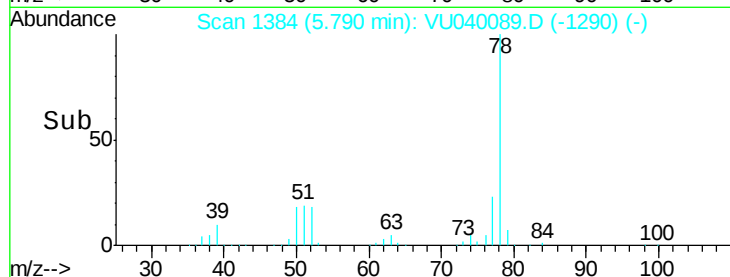
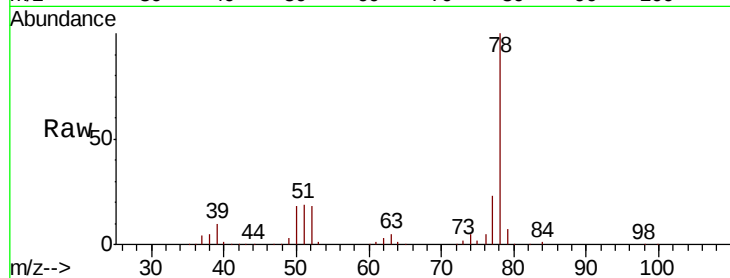
Delta R.T. 0.00 min

Lab File: VU040089.D

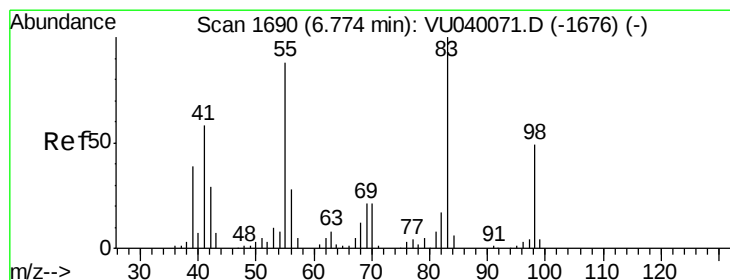
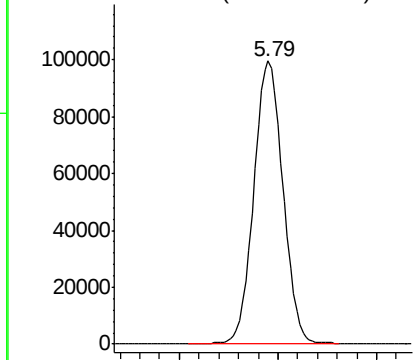
Acq: 10 Sep 2020 18:24

Instrument :
MSVOA_U
ClientSampleId :
F4Y32

Tgt Ion: 78 Resp: 203399



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.675 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040089.D

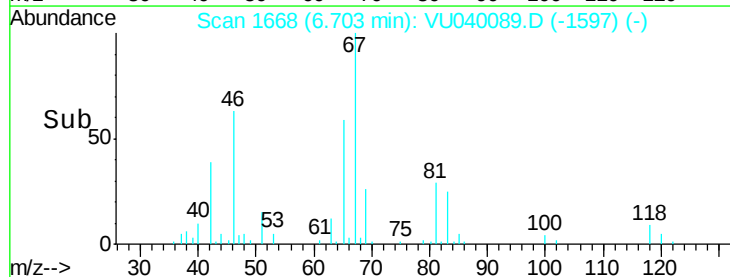
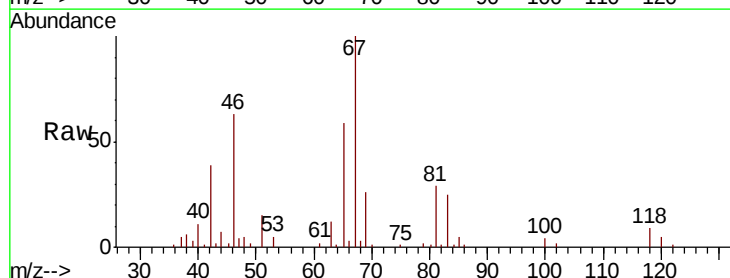
Acq: 10 Sep 2020 18:24

Tgt Ion: 83 Resp: 9091

Ion	Ratio	Lower	Upper
83	100		

55	1.3	70.5	105.7#
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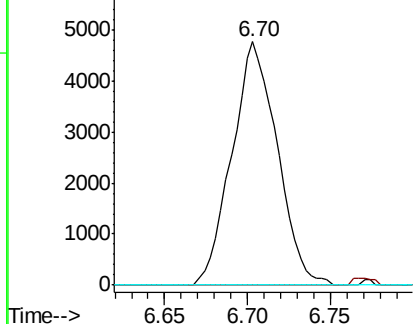
98	0.0	37.8	56.6#
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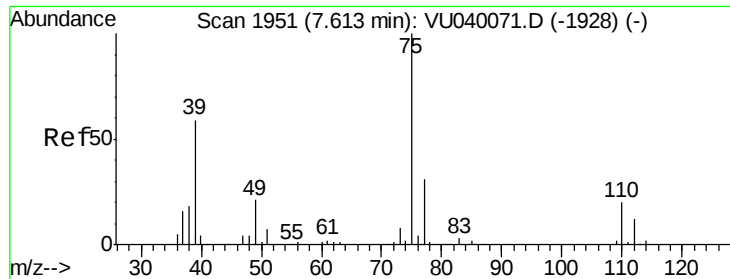


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

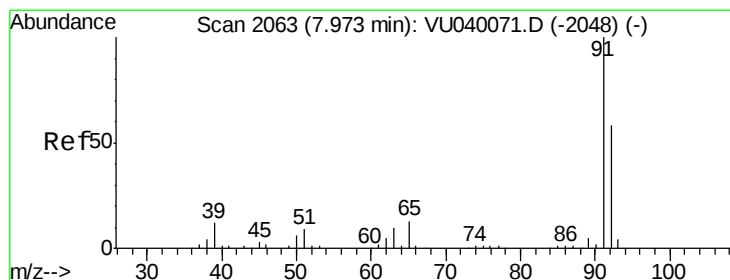
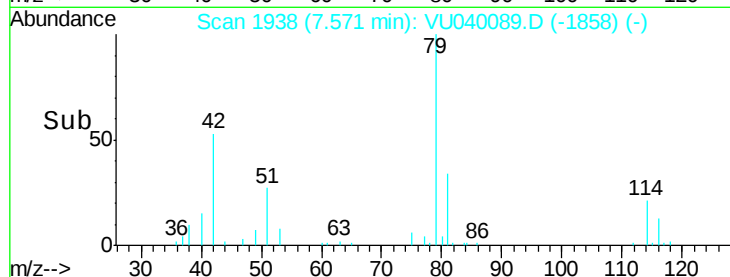
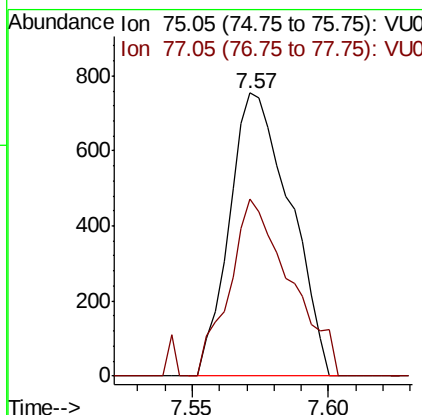
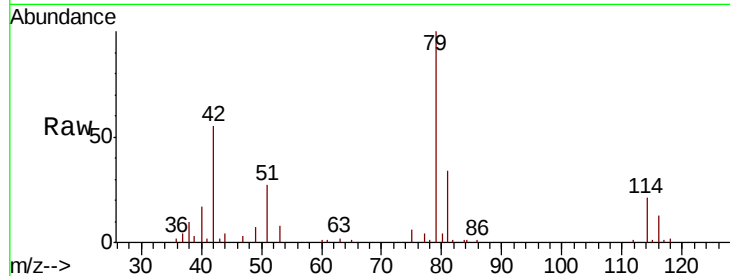




#39
 cis-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040089.D
 Acq: 10 Sep 2020 18:24

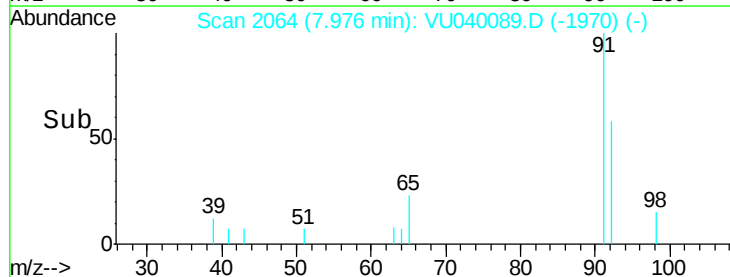
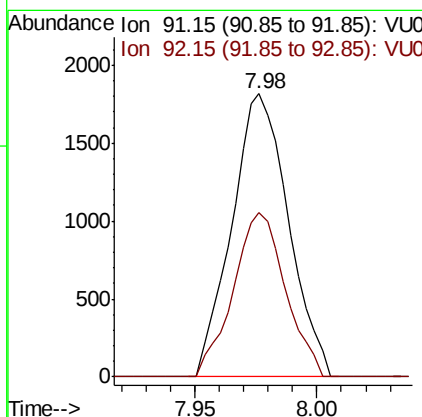
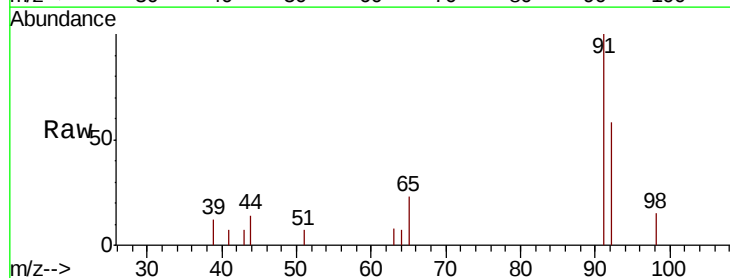
Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y32

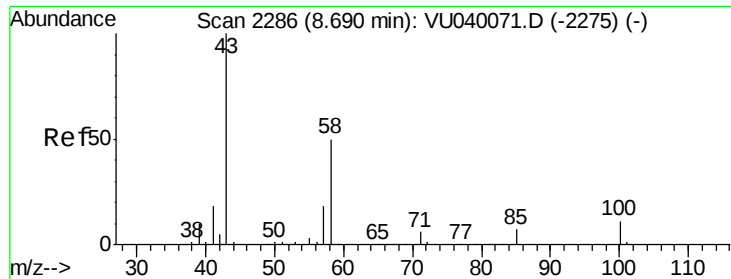
Tot Ion: 75 Resp: 1170
 Ion Ratio Lower Upper
 75 100
 77 62.7 21.1 39.3#



#42
 Toluene
 Concen: 0.086 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040089.D
 Acq: 10 Sep 2020 18:24

Tgt Ion: 91 Resp: 2919
 Ion Ratio Lower Upper
 91 100
 92 58.3 40.7 75.5

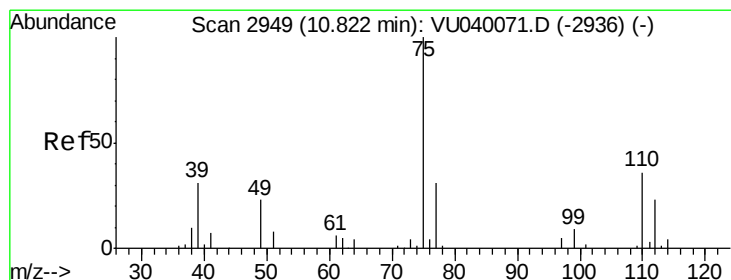
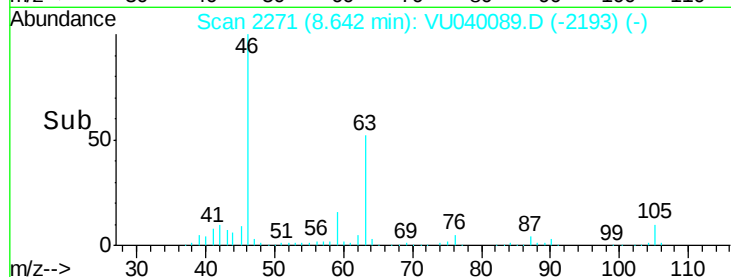
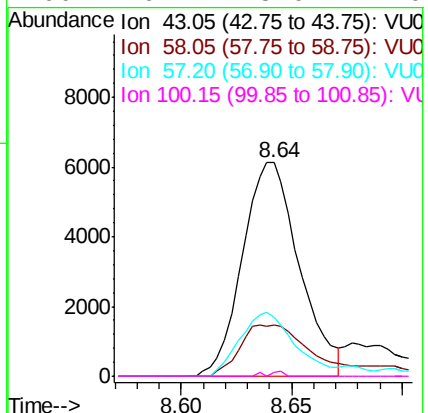
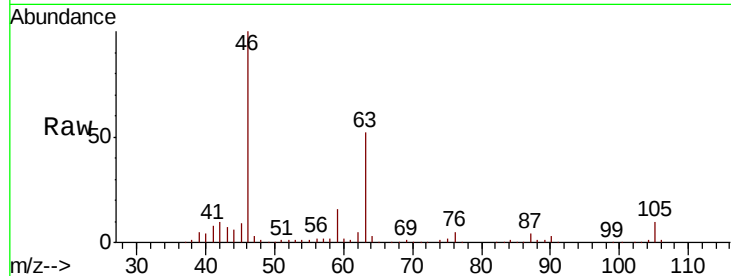




#48
2-Hexanone
Concen: 2.064 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040089.D
Acq: 10 Sep 2020 18:24

Instrument :
MSVOA_U
ClientSampleId :
F4Y32

Tot Ion: 43 Resp: 10972
Ion Ratio Lower Upper
43 100
58 33.4 39.6 59.4#
57 28.7 14.3 21.5#
100 0.7 8.0 12.0#



#59
1,2,3-Trichloropropane
Concen: 0.238 ug/L
RT: 10.52 min Scan# 2856
Delta R.T. -0.30 min
Lab File: VU040089.D
Acq: 10 Sep 2020 18:24

Tgt Ion: 75 Resp: 1563
Ion Ratio Lower Upper
75 100
77 20.3 24.9 37.3#

