

Data File : VU032800.D
Acq On : 17 Jun 2019 22:01
Operator : JC/SP
Sample : K3324-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JS1

Quant Time: Jun 18 02:45:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 02:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	223520	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	216563	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	108165	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	55968	36.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.28%
7) Chloroethane-d5	1.68	69	51319	42.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.24%
11) 1,1-Dichloroethene-d2	2.27	63	91469	29.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.44%#
21) 2-Butanone-d5	4.17	46	134639	105.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.90%
24) Chloroform-d	4.64	84	128499	43.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.54%
26) 1,2-Dichloroethane-d4	5.30	65	90574	45.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.58%
32) Benzene-d6	5.33	84	246930	43.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.48%
36) 1,2-Dichloropropane-d6	6.32	67	81466	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.60%
41) Toluene-d8	7.56	98	228358	43.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.38%
43) trans-1,3-Dichloropropene-	7.84	79	38482	41.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.28%
47) 2-Hexanone-d5	8.31	63	97937	116.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.63%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	127321	45.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	98252	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%

Target Compounds

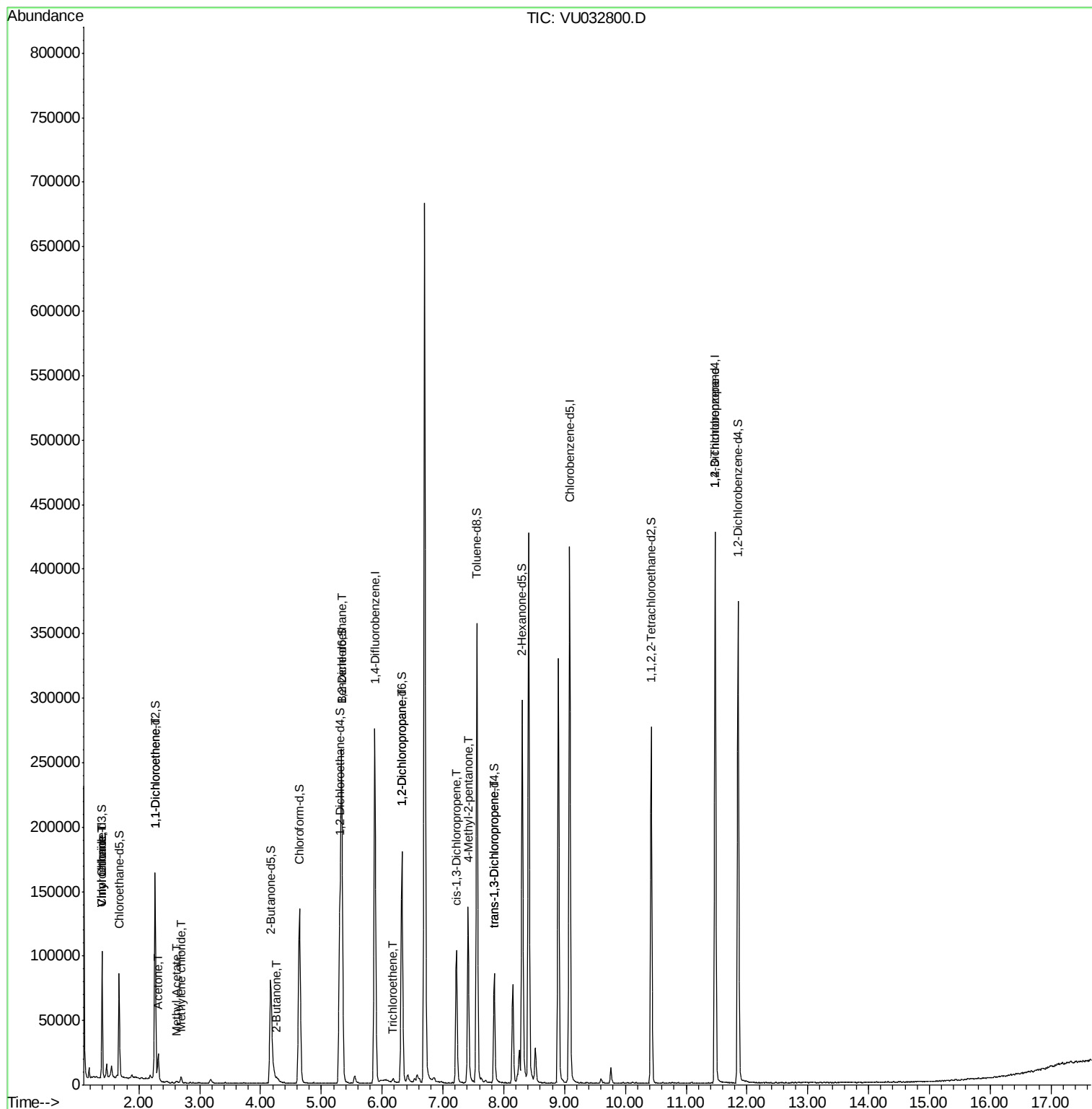
					Qvalue
5) Vinyl chloride	1.40	62	1934	0.953 ug/L #	24
8) Chloroethane	1.40	64	1509	1.292 ug/L #	1
12) 1,1-Dichloroethene	2.27	96	800	0.568 ug/L #	1
13) Acetone	2.31	43	21523	12.256 ug/L	98
15) Methyl Acetate	2.61	43	1924	0.967 ug/L #	90
16) Methylene chloride	2.69	84	1935	1.172 ug/L	97
22) 2-Butanone	4.27	43	6084	3.343 ug/L	76
27) 1,2-Dichloroethane	5.33	62	1493	0.606 ug/L #	77
34) Trichloroethene	6.18	95	758	0.455 ug/L	94
37) 1,2-Dichloropropane	6.32	63	9535	5.572 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2793	1.048 ug/L #	74
40) 4-Methyl-2-pentanone	7.41	43	52245	19.122 ug/L #	53
44) trans-1,3-Dichloropropene	7.84	75	1983	0.792 ug/L	92
59) 1,2,3-Trichloropropane	11.48	75	13666	5.984 ug/L	90

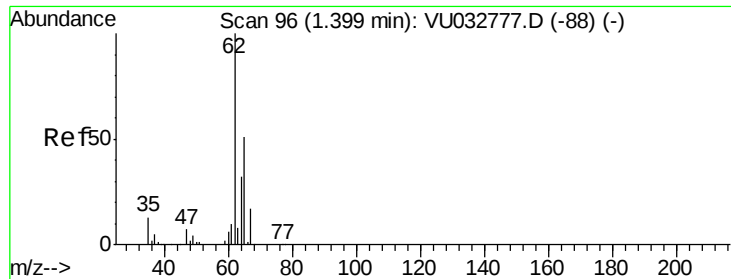
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.953 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032800.D

Acq: 17 Jun 2019 22:01

Instrument :

MSVOA_U

ClientSampleId :

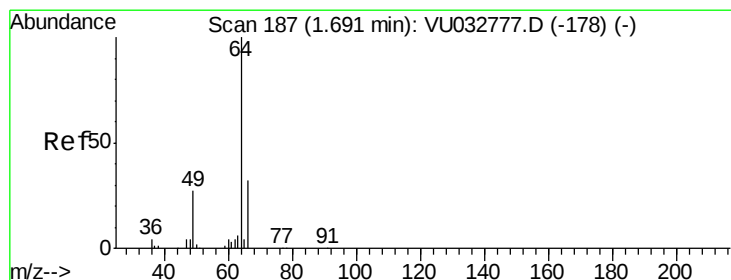
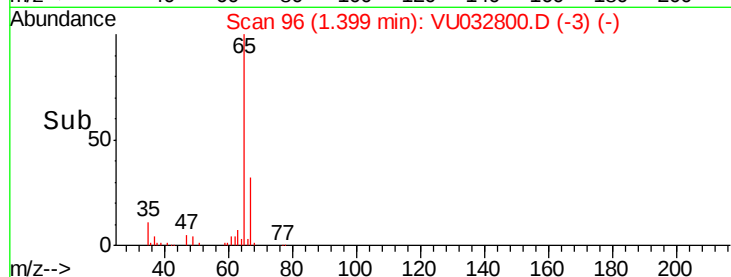
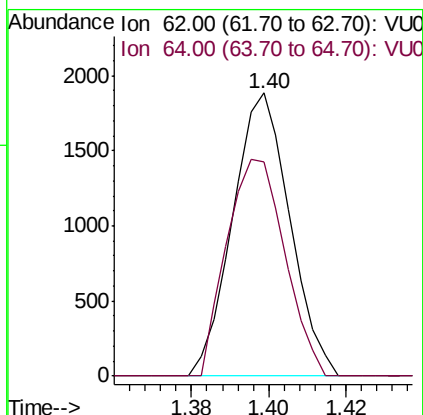
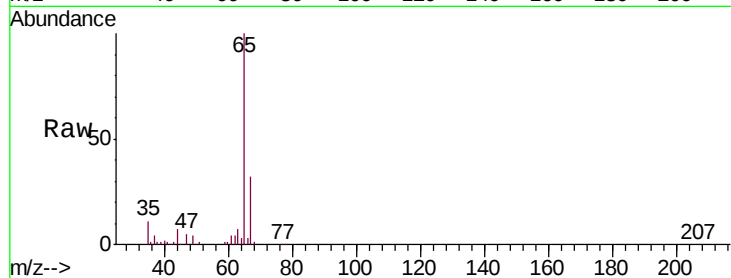
C0JS1

Tgt Ion: 62 Resp: 1934

Ion Ratio Lower Upper

62 100

64 75.8 23.0 42.6#



#8

Chloroethane

Concen: 1.292 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032800.D

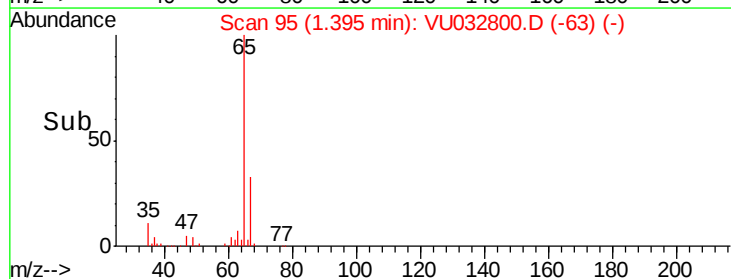
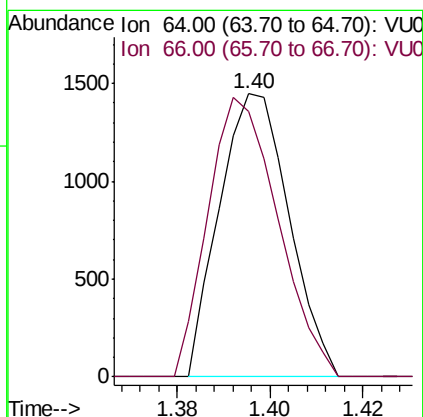
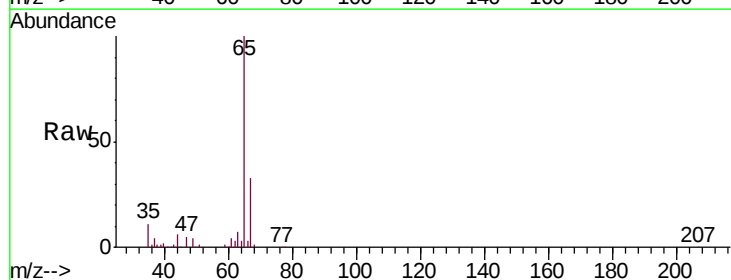
Acq: 17 Jun 2019 22:01

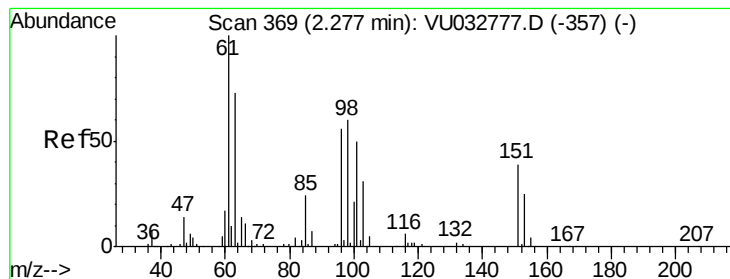
Tgt Ion: 64 Resp: 1509

Ion Ratio Lower Upper

64 100

66 94.0 22.5 41.7#





#12

1,1-Dichloroethene

Concen: 0.568 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032800.D

Acq: 17 Jun 2019 22:01

Instrument :

MSVOA_U

ClientSampleId :

C0JS1

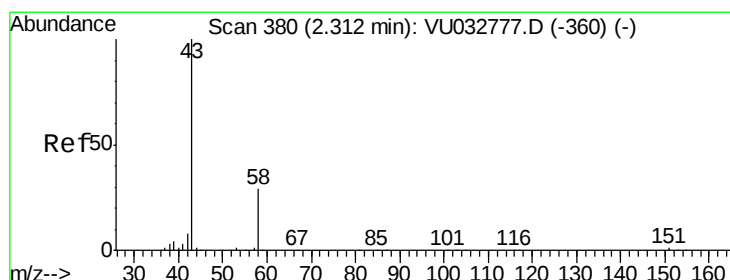
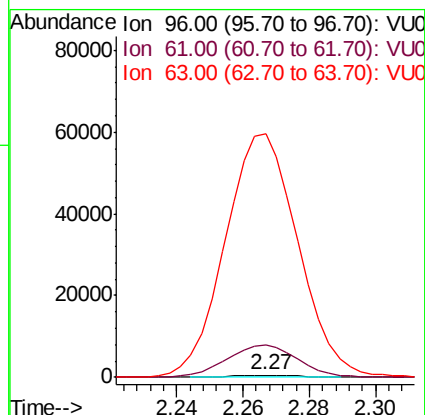
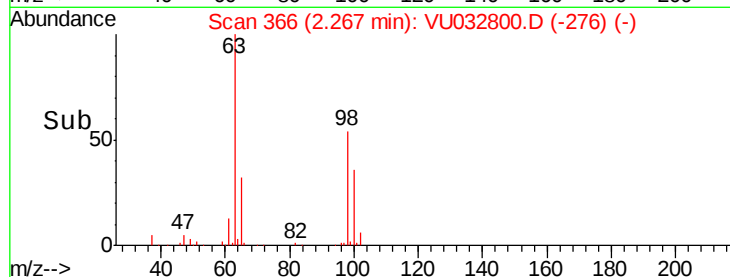
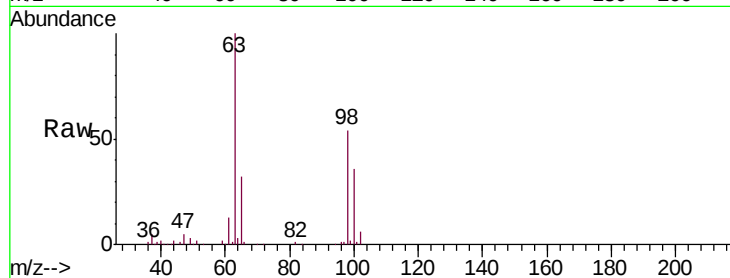
Tgt Ion: 96 Resp: 800

Ion Ratio Lower Upper

96 100

61 1420.6 131.0 243.4#

63 10678.1 101.0 187.6#



#13

Acetone

Concen: 12.256 ug/L

RT: 2.31 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032800.D

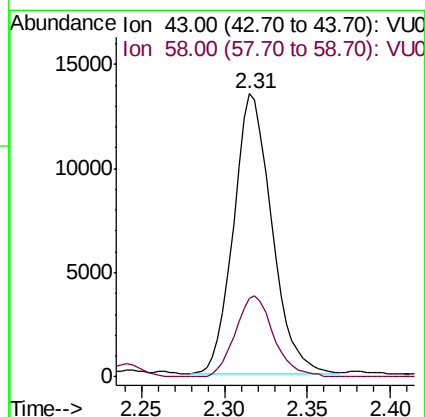
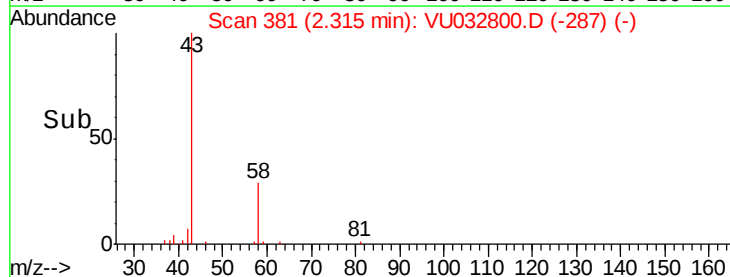
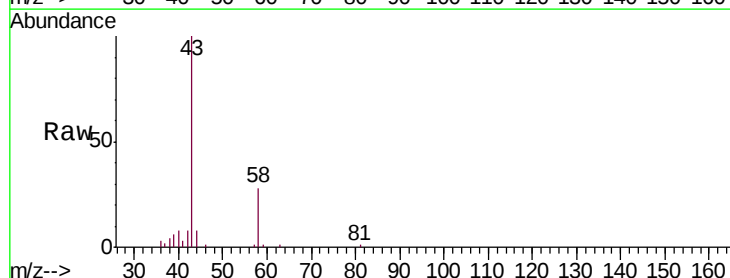
Acq: 17 Jun 2019 22:01

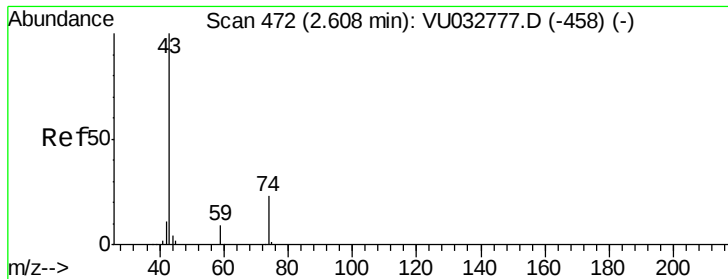
Tgt Ion: 43 Resp: 21523

Ion Ratio Lower Upper

43 100

58 29.1 0.0 60.6





#15

Methyl Acetate

Concen: 0.967 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU032800.D

Acq: 17 Jun 2019 22:01

Instrument :

MSVOA_U

ClientSampleId :

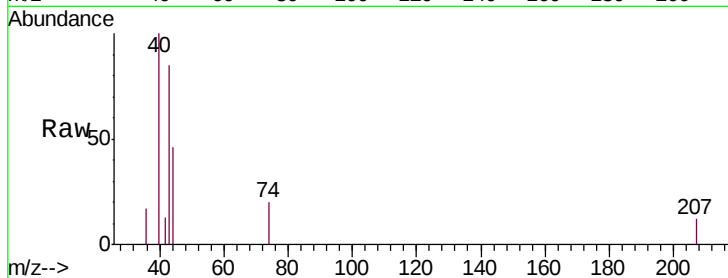
C0JS1

Tgt Ion: 43 Resp: 1924

Ion Ratio Lower Upper

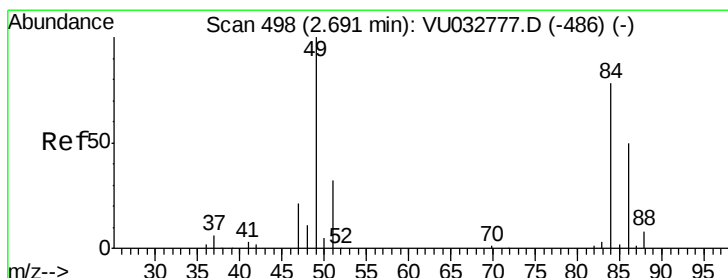
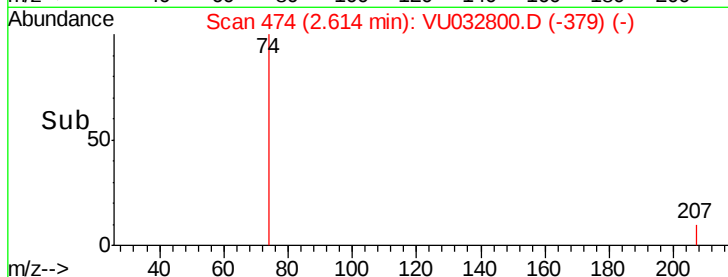
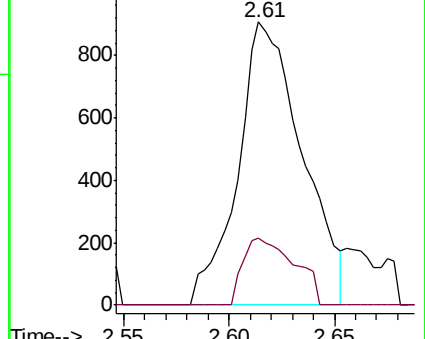
43 100

74 17.8 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU032777.D (-458) (-)



#16

Methylene chloride

Concen: 1.172 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032800.D

Acq: 17 Jun 2019 22:01

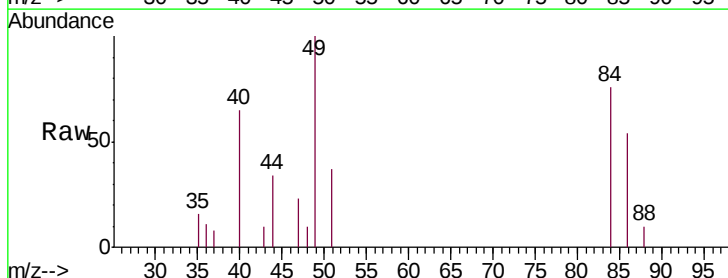
Tgt Ion: 84 Resp: 1935

Ion Ratio Lower Upper

84 100

86 71.4 45.5 84.5

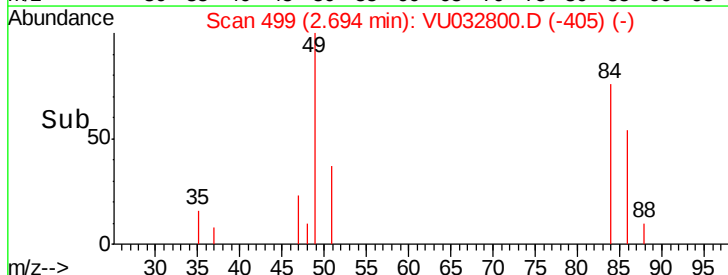
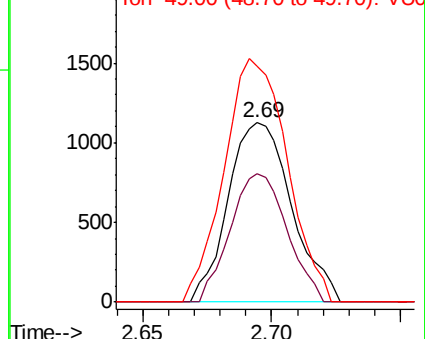
49 131.7 92.1 171.1

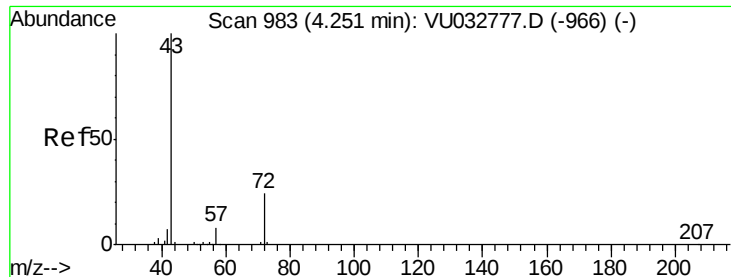


Abundance Ion 84.00 (83.70 to 84.70): VU032777.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU032777.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU032777.D (-486) (-)





#22

2-Butanone

Concen: 3.343 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.02 min

Lab File: VU032800.D

Acq: 17 Jun 2019 22:01

Instrument :

MSVOA_U

ClientSampleId :

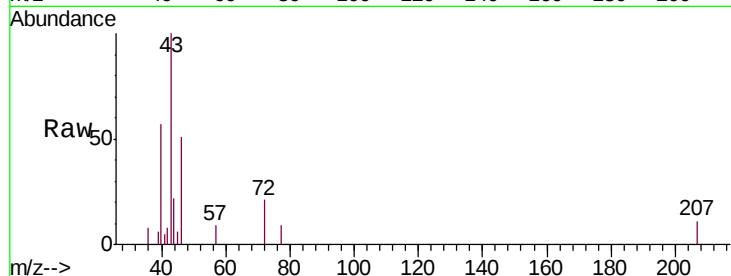
C0JS1

Tgt Ion: 43 Resp: 6084

Ion Ratio Lower Upper

43 100

72 13.5 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU032777.D (-966) (-)

4.27

2000

1500

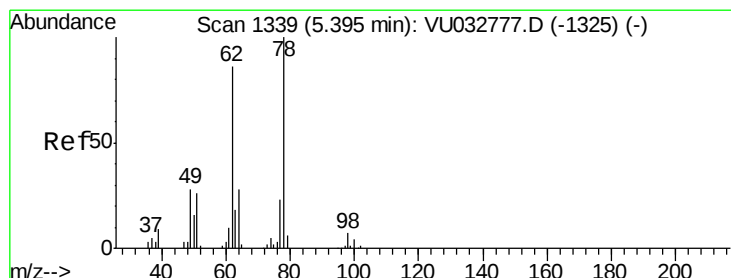
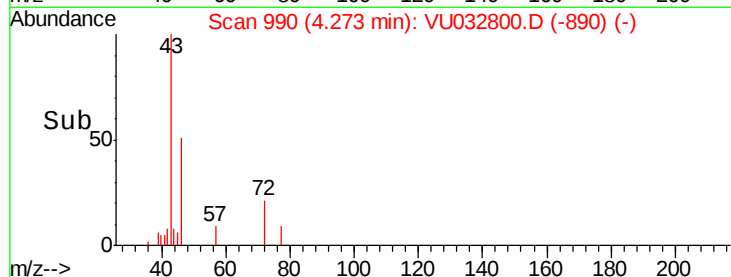
1000

500

0

4.20 4.30 4.40

Time-->



#27

1,2-Dichloroethane

Concen: 0.606 ug/L

RT: 5.33 min Scan# 1319

Delta R.T. -0.06 min

Lab File: VU032800.D

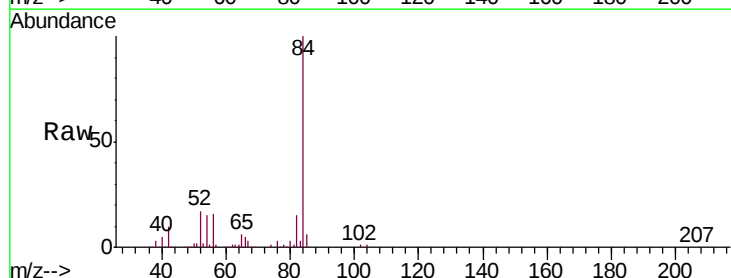
Acq: 17 Jun 2019 22:01

Tgt Ion: 62 Resp: 1493

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU032777.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032777.D (-1325) (-)

5.33

800

600

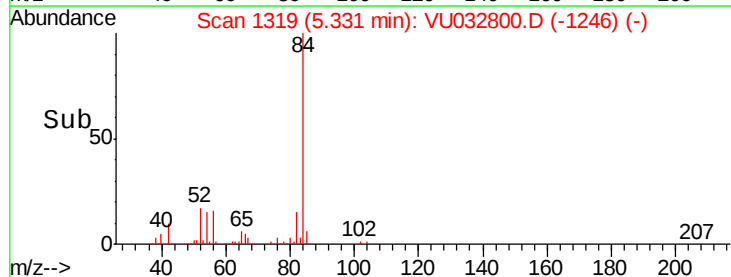
400

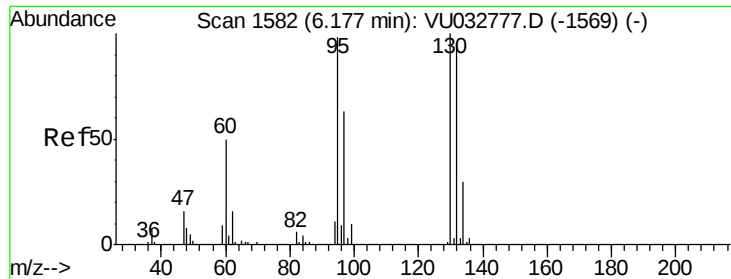
200

0

5.30 5.35

Time-->

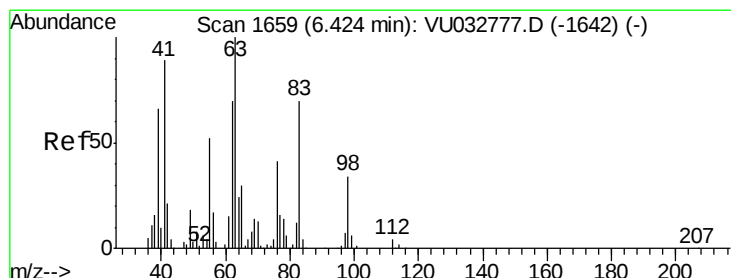
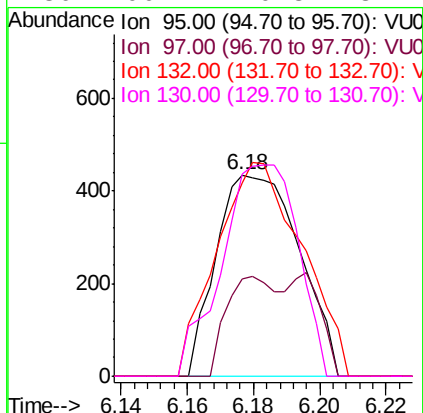
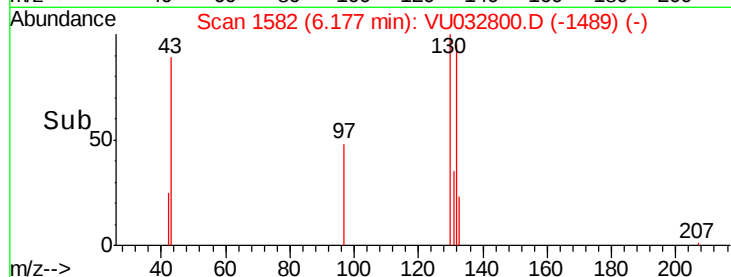
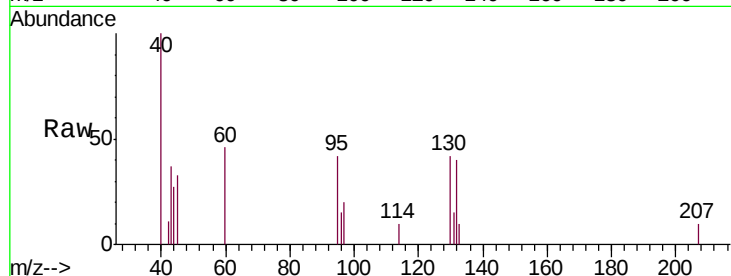




#34
 Trichloroethene
 Concen: 0.455 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VU032800.D
 Acq: 17 Jun 2019 22:01

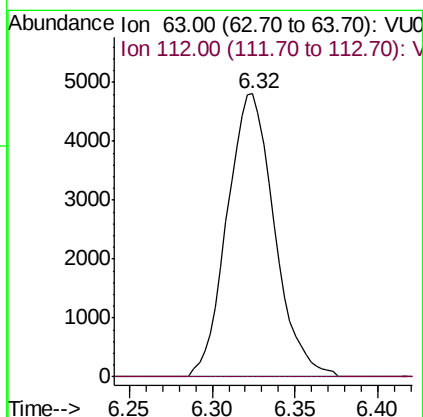
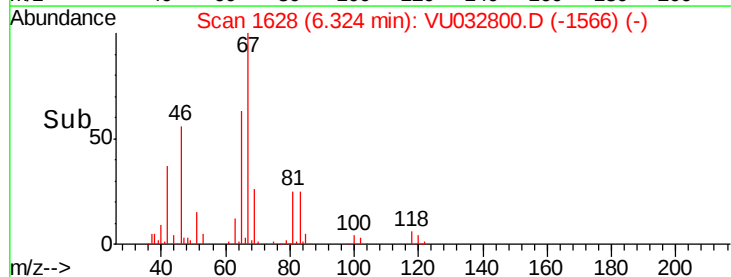
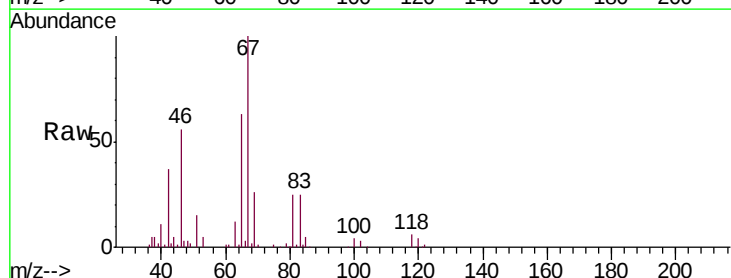
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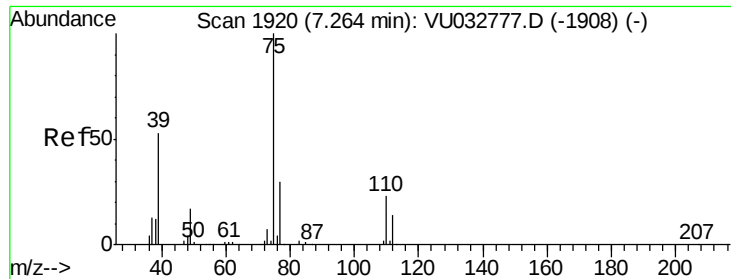
Tgt Ion: 95 Resp: 758
 Ion Ratio Lower Upper
 95 100
 97 48.5 45.9 85.3
 132 95.6 68.5 127.3
 130 100.7 70.8 131.4



#37
 1,2-Dichloropropane
 Concen: 5.572 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032800.D
 Acq: 17 Jun 2019 22:01

Tgt Ion: 63 Resp: 9535
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#

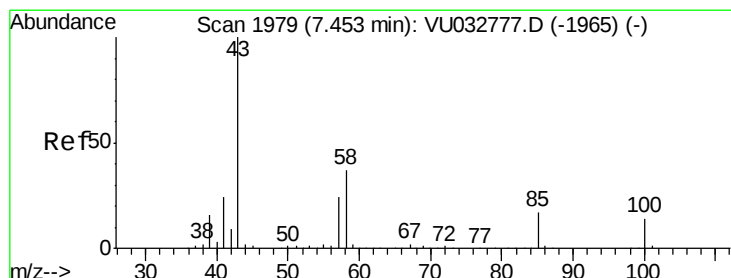
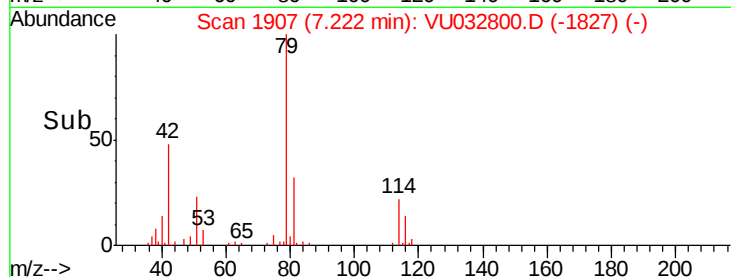
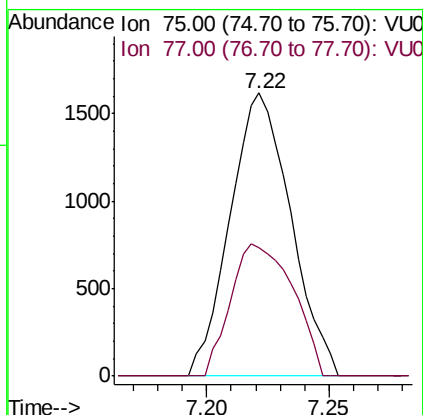
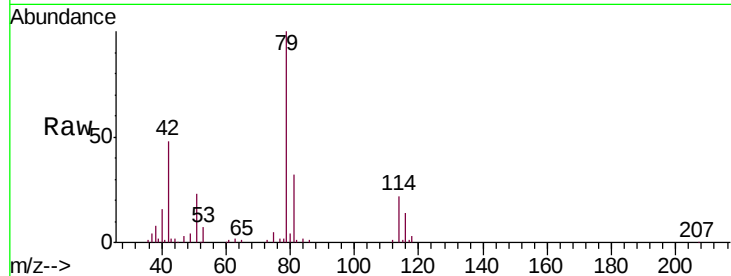




#39
 cis-1,3-Dichloropropene
 Concen: 1.048 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032800.D
 Acq: 17 Jun 2019 22:01

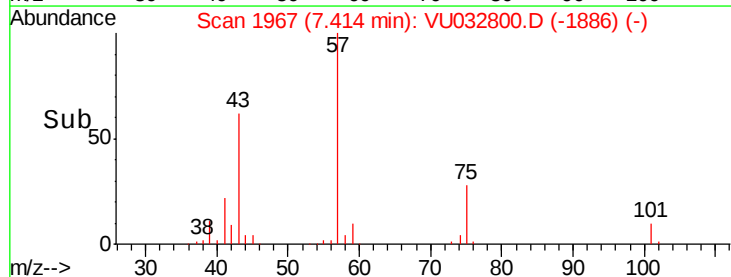
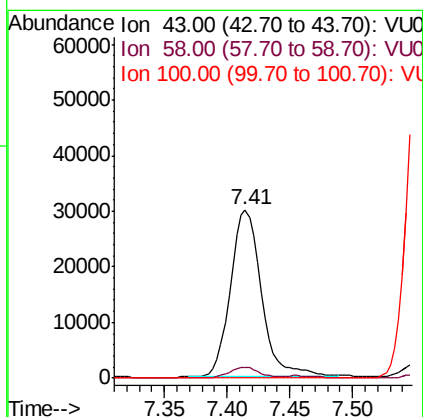
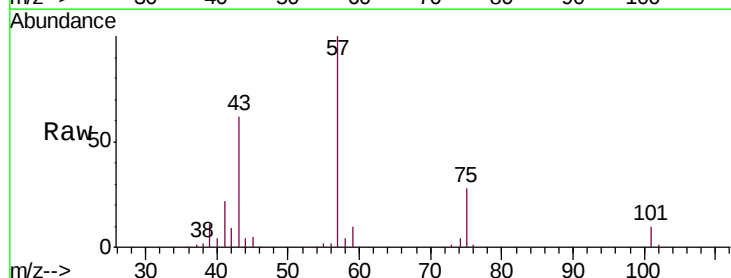
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JS1

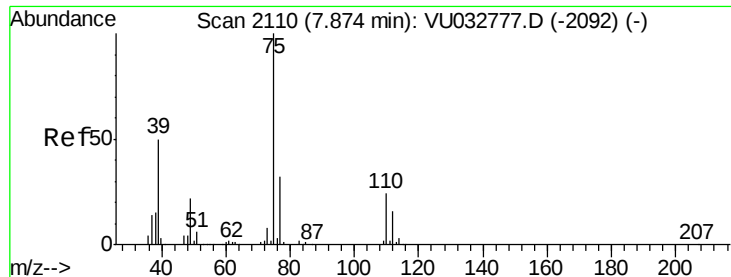
Tgt Ion: 75 Resp: 2793
 Ion Ratio Lower Upper
 75 100
 77 45.6 21.9 40.7#



#40
 4-Methyl-2-pentanone
 Concen: 19.122 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. -0.04 min
 Lab File: VU032800.D
 Acq: 17 Jun 2019 22:01

Tgt Ion: 43 Resp: 52245
 Ion Ratio Lower Upper
 43 100
 58 6.3 29.4 44.2#
 100 0.0 11.2 16.8#





#44

trans-1,3-Dichloropropene

Concen: 0.792 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032800.D

Acq: 17 Jun 2019 22:01

Instrument :

MSVOA_U

ClientSampleId :

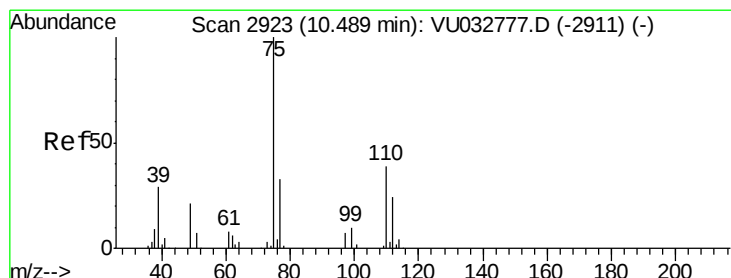
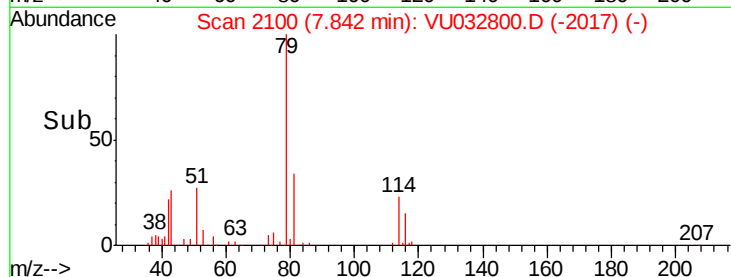
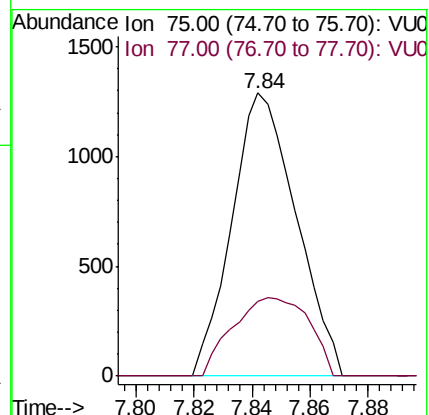
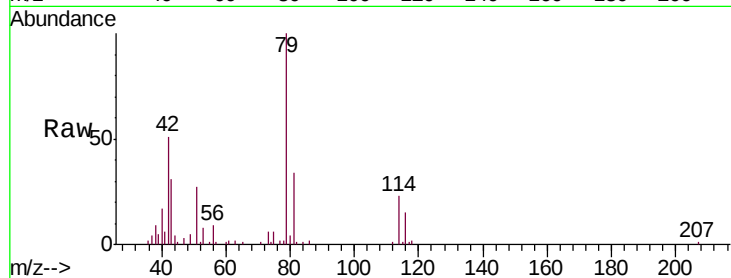
C0JS1

Tgt Ion: 75 Resp: 1983

Ion Ratio Lower Upper

75 100

77 26.5 21.8 40.4



#59

1,2,3-Trichloropropane

Concen: 5.984 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032800.D

Acq: 17 Jun 2019 22:01

Tgt Ion: 75 Resp: 13666

Ion Ratio Lower Upper

75 100

77 37.6 25.5 38.3

