

Data File : VU032828.D
Acq On : 18 Jun 2019 16:44
Operator : JC/SP
Sample : K3363-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JP5

Quant Time: Jun 19 04:38:31 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	232929	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	229547	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116185	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74076	46.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.06%
7) Chloroethane-d5	1.68	69	62284	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.12%
11) 1,1-Dichloroethene-d2	2.27	63	115641	36.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.12%
21) 2-Butanone-d5	4.17	46	141556	106.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.84%
24) Chloroform-d	4.64	84	148605	48.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.04%
26) 1,2-Dichloroethane-d4	5.30	65	102944	49.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.88%
32) Benzene-d6	5.33	84	298178	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
36) 1,2-Dichloropropane-d6	6.32	67	95590	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.30%
41) Toluene-d8	7.56	98	278433	49.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.38%
43) trans-1,3-Dichloropropene-	7.85	79	41450	41.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.60%
47) 2-Hexanone-d5	8.31	63	99427	111.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	139152	47.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.44%
64) 1,2-Dichlorobenzene-d4	11.85	152	114274	50.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.66%

Target Compounds

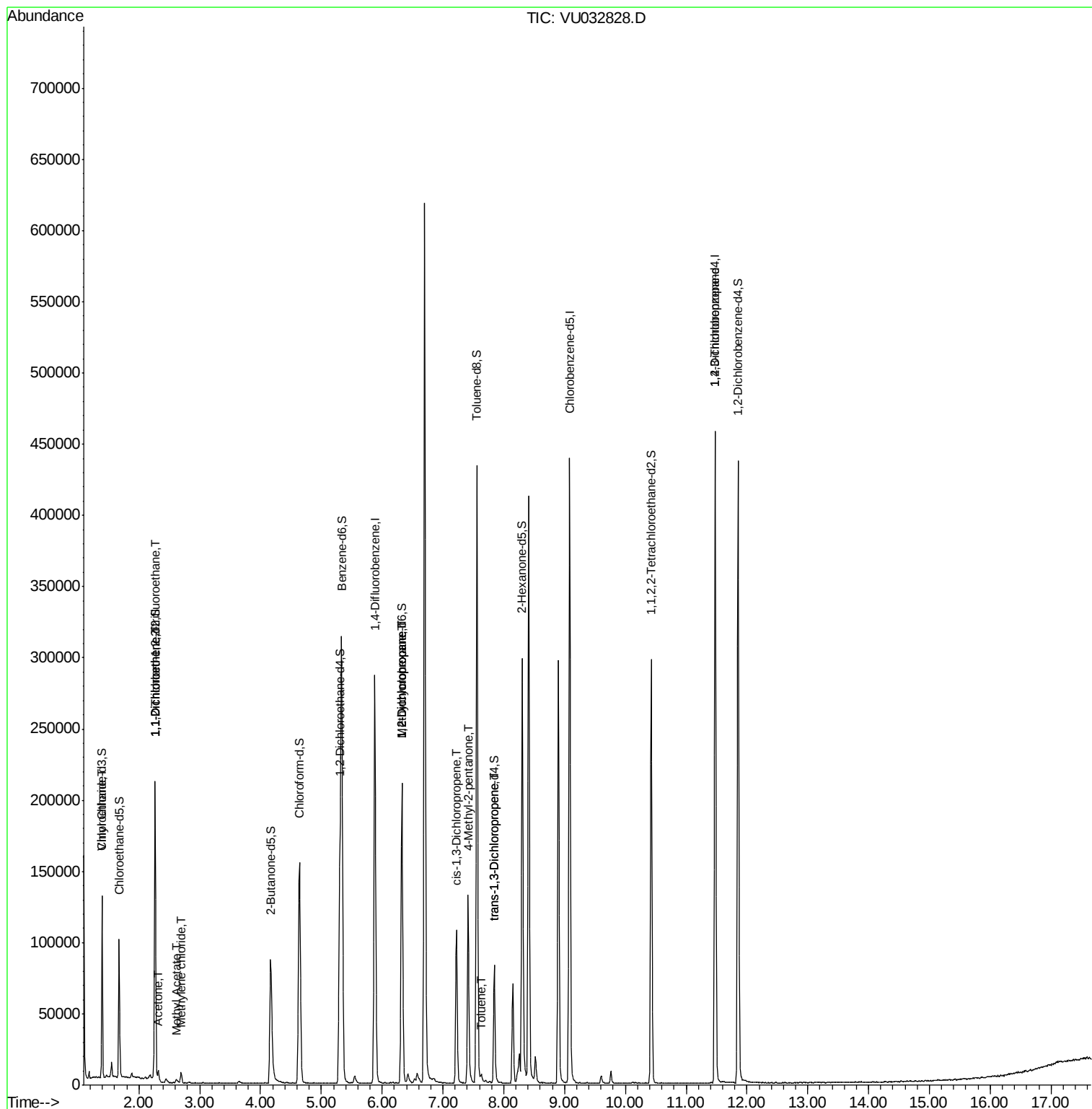
					Qvalue	
8) Chloroethane	1.40	64	1216	0.999	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1055	0.678	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	878	0.599	ug/L #	1
13) Acetone	2.32	43	6469	3.535	ug/L	98
15) Methyl Acetate	2.61	43	3214	1.549	ug/L #	90
16) Methylene chloride	2.70	84	2838	1.649	ug/L	91
35) Methylcyclohexane	6.32	83	22297	8.164	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	11408	6.289	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2893	1.024	ug/L #	61
40) 4-Methyl-2-pentanone	7.41	43	50011	17.269	ug/L #	53
42) Toluene	7.63	91	3109	0.435	ug/L	94
44) trans-1,3-Dichloropropene	7.84	75	2073	0.781	ug/L	89
59) 1,2,3-Trichloropropane	11.48	75	15001	6.197	ug/L	90

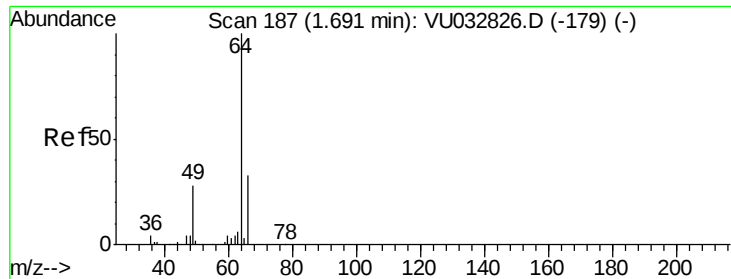
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.999 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032828.D

Acq: 18 Jun 2019 16:44

Instrument :

MSVOA_U

ClientSampleId :

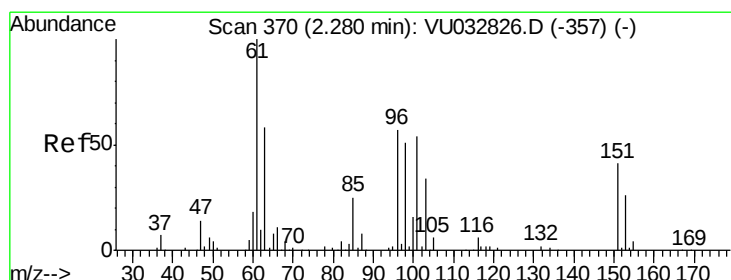
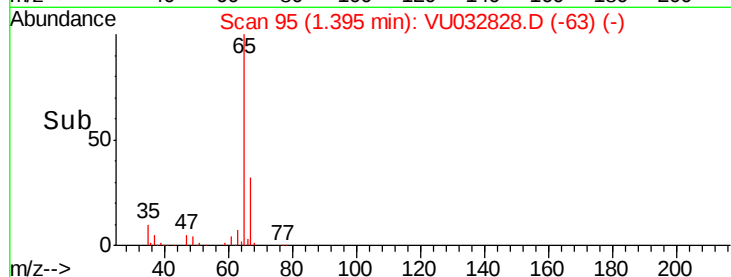
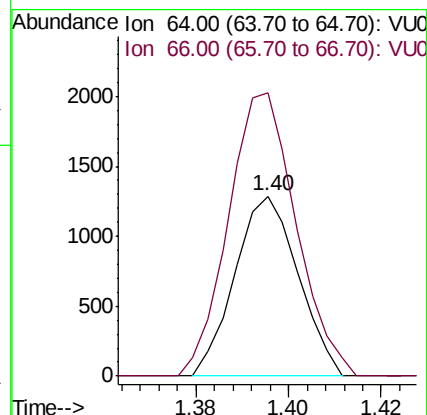
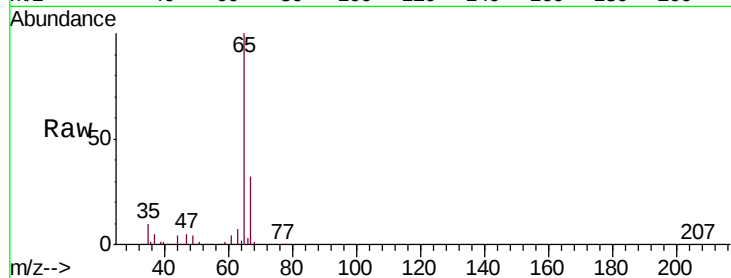
C0JP5

Tgt Ion: 64 Resp: 1216

Ion Ratio Lower Upper

64 100

66 157.3 22.5 41.7#



#10

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

Concen: 0.678 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032828.D

Acq: 18 Jun 2019 16:44

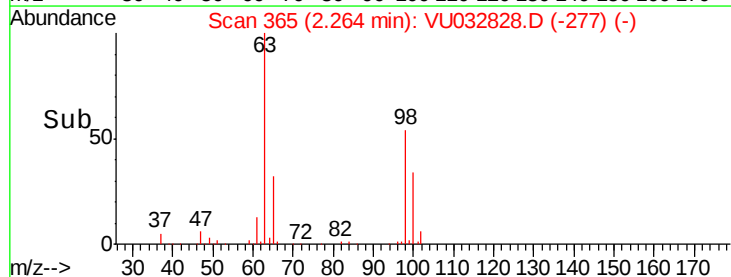
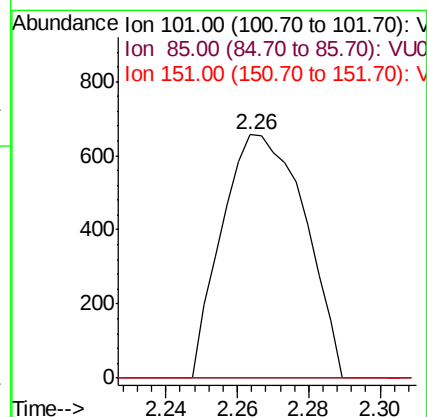
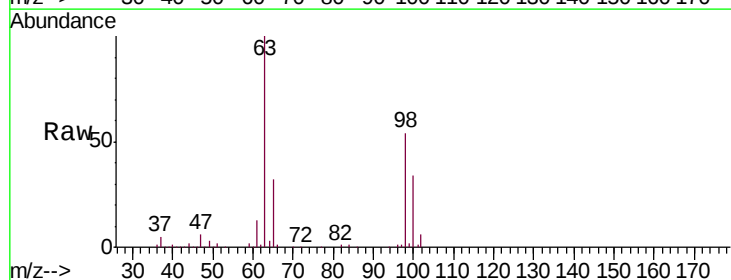
Tgt Ion: 101 Resp: 1055

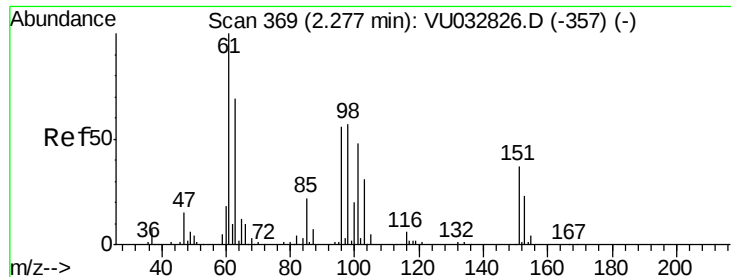
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#





#12

1,1-Dichloroethene

Concen: 0.599 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032828.D

Acq: 18 Jun 2019 16:44

Instrument :

MSVOA_U

ClientSampled :

C0JP5

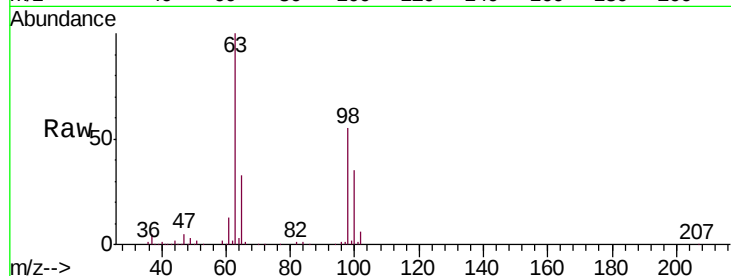
Tgt Ion: 96 Resp: 878

Ion Ratio Lower Upper

96 100

61 1879.0 131.0 243.4#

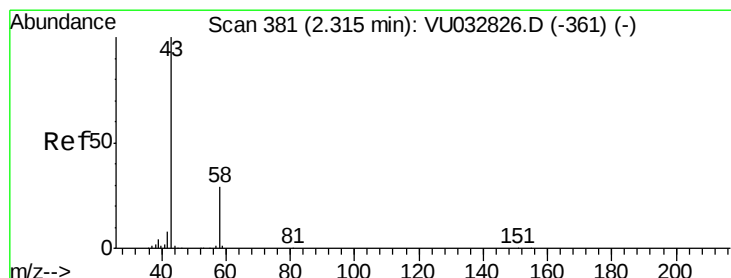
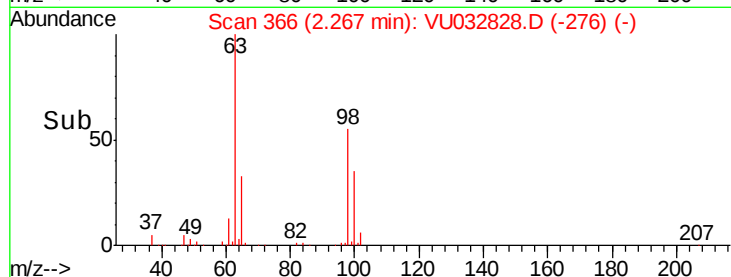
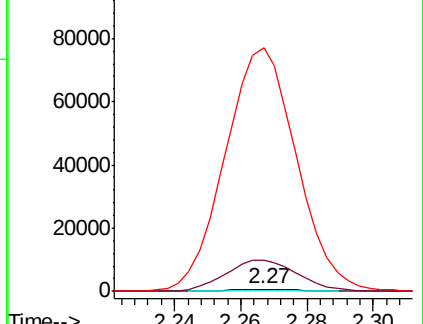
63 14563.3 101.0 187.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032828.D (-276) (-)

Ion 61.00 (60.70 to 61.70): VU032828.D (-276) (-)

Ion 63.00 (62.70 to 63.70): VU032828.D (-276) (-)



#13

Acetone

Concen: 3.535 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032828.D

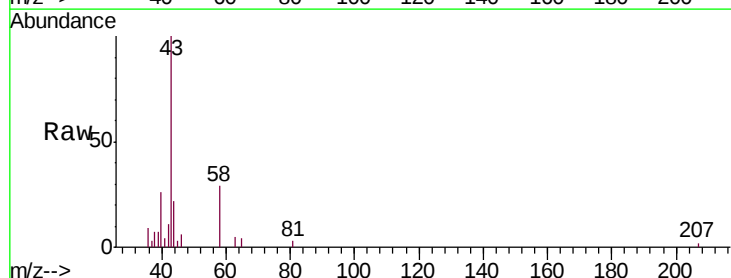
Acq: 18 Jun 2019 16:44

Tgt Ion: 43 Resp: 6469

Ion Ratio Lower Upper

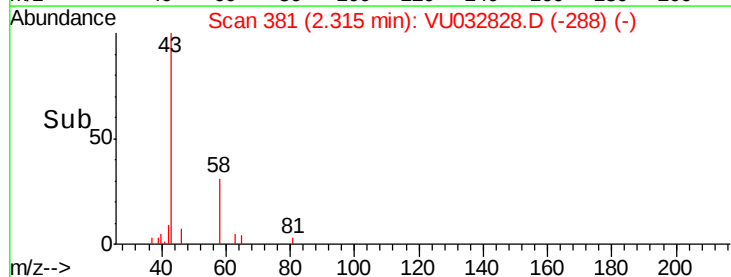
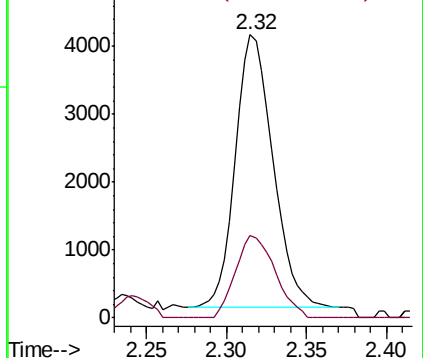
43 100

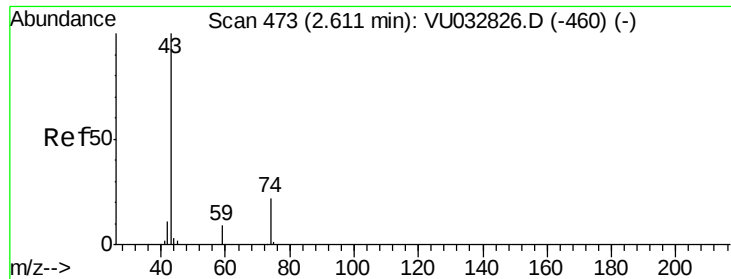
58 31.5 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032828.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU032828.D (-288) (-)





#15

Methyl Acetate

Concen: 1.549 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU032828.D

Acq: 18 Jun 2019 16:44

Instrument :

MSVOA_U

ClientSampled :

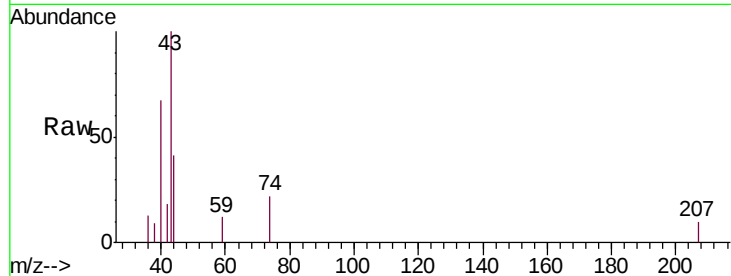
C0JP5

Tgt Ion: 43 Resp: 3214

Ion Ratio Lower Upper

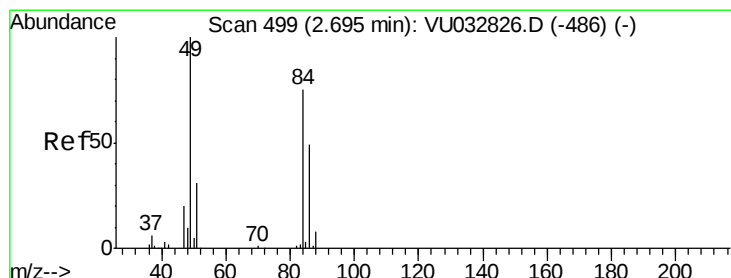
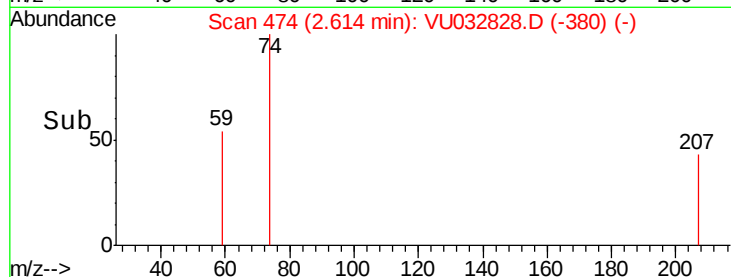
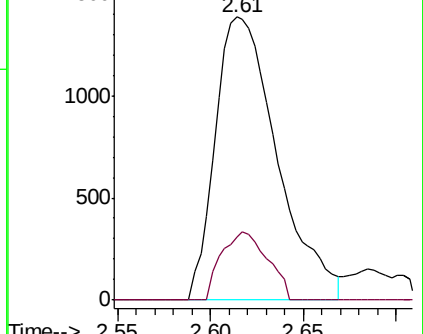
43 100

74 18.0 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VU032826.D (-460) (-)

Ion 74.00 (73.70 to 74.70): VU032826.D (-460) (-)



#16

Methylene chloride

Concen: 1.649 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU032828.D

Acq: 18 Jun 2019 16:44

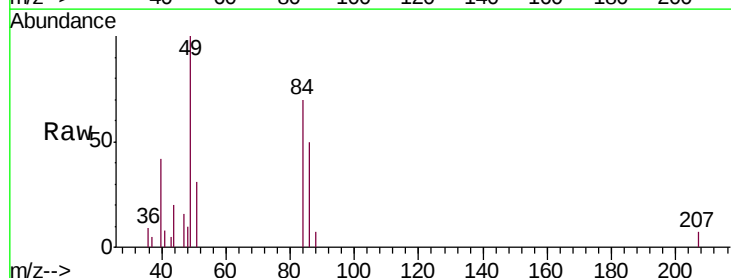
Tgt Ion: 84 Resp: 2838

Ion Ratio Lower Upper

84 100

86 71.7 45.5 84.5

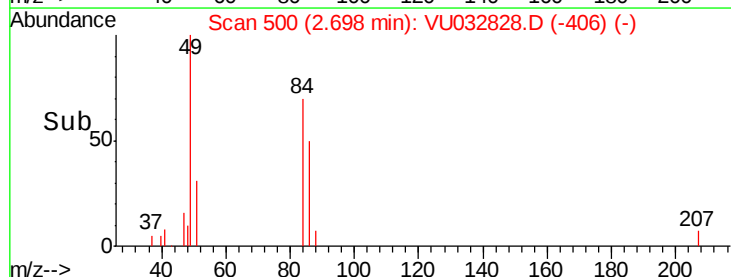
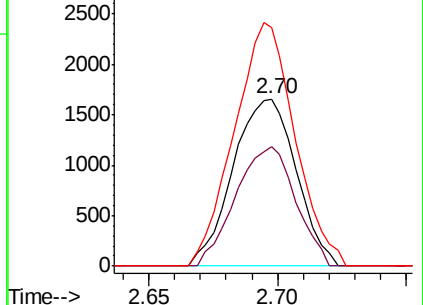
49 142.8 92.1 171.1

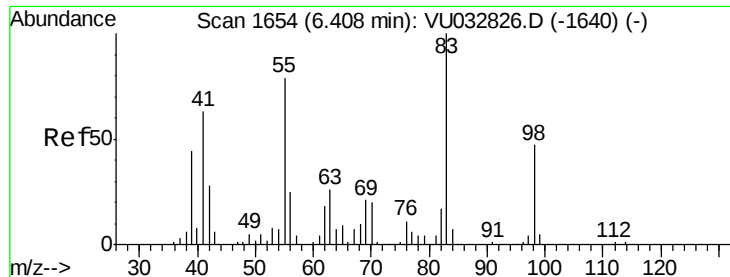


Abundance Ion 84.00 (83.70 to 84.70): VU032826.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU032826.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU032826.D (-486) (-)

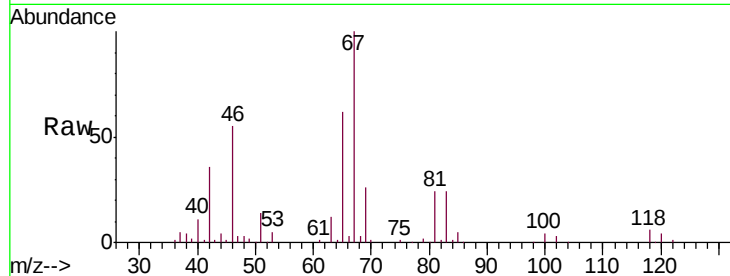




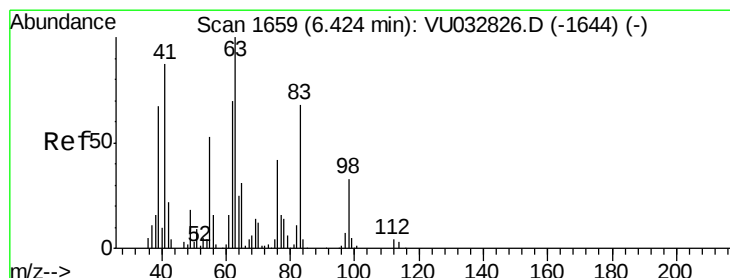
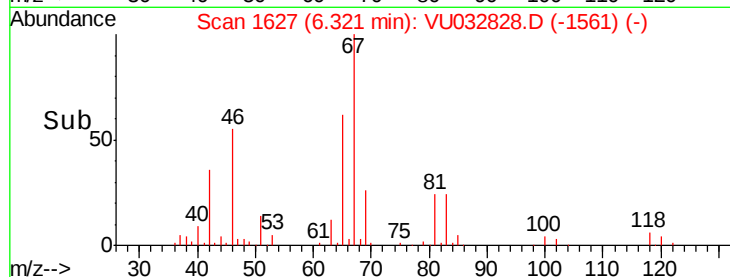
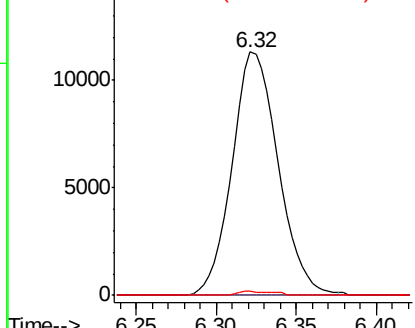
#35
Methylcyclohexane
Concen: 8.164 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.09 min
Lab File: VU032828.D
Acq: 18 Jun 2019 16:44

Instrument :
MSVOA_U
ClientSampleId :
C0JP5

Tgt Ion: 83 Resp: 22297
Ion Ratio Lower Upper
83 100
55 1.1 62.6 94.0#
98 0.8 37.4 56.0#

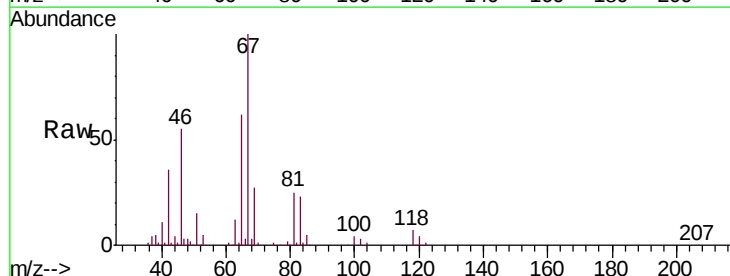


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

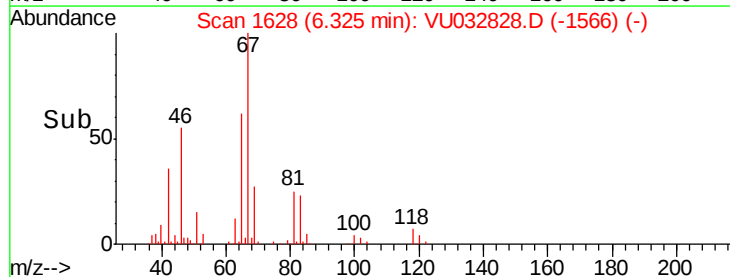
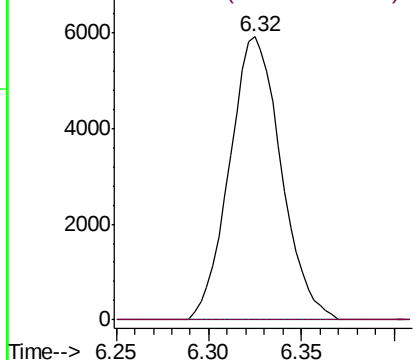


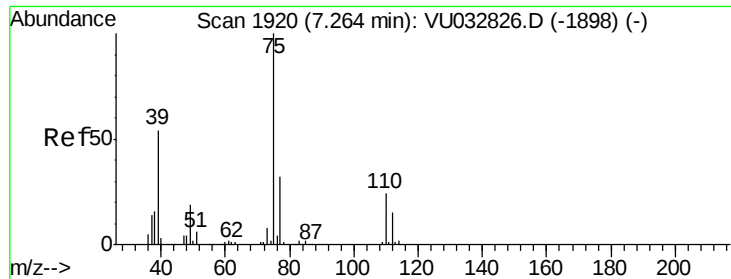
#37
1,2-Dichloropropane
Concen: 6.289 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032828.D
Acq: 18 Jun 2019 16:44

Tgt Ion: 63 Resp: 11408
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.024 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU032828.D

Acq: 18 Jun 2019 16:44

Instrument :

MSVOA_U

ClientSampleId :

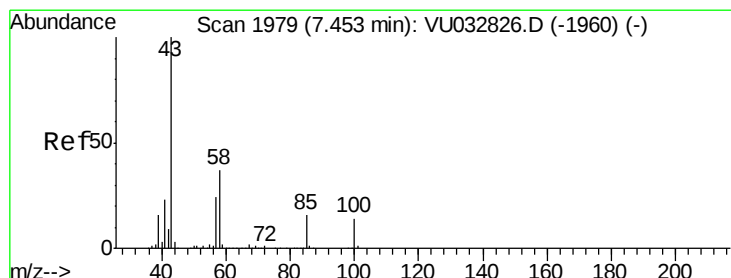
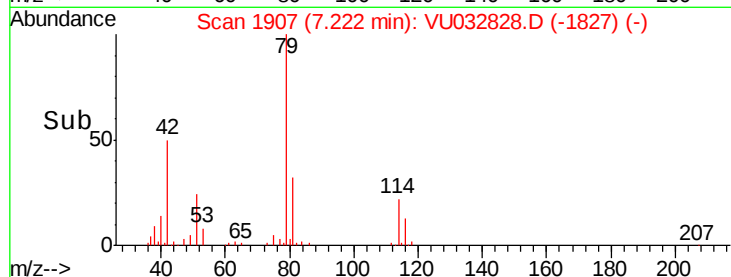
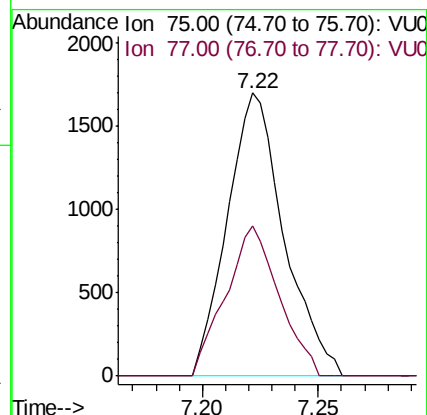
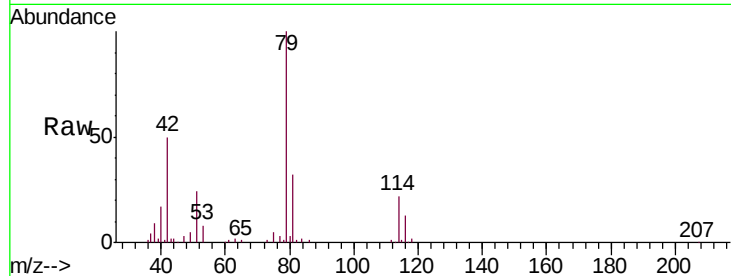
C0JP5

Tgt Ion: 75 Resp: 2893

Ion Ratio Lower Upper

75 100

77 53.0 21.9 40.7#



#40

4-Methyl-2-pentanone

Concen: 17.269 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. -0.04 min

Lab File: VU032828.D

Acq: 18 Jun 2019 16:44

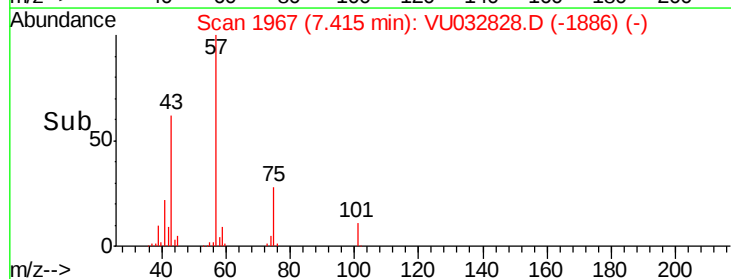
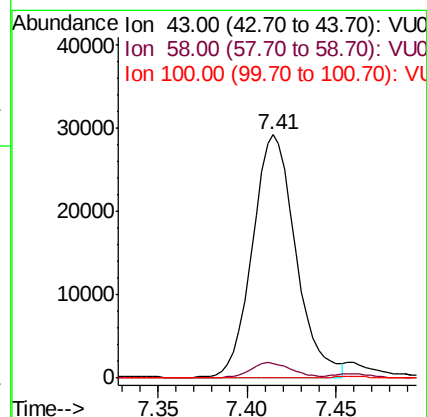
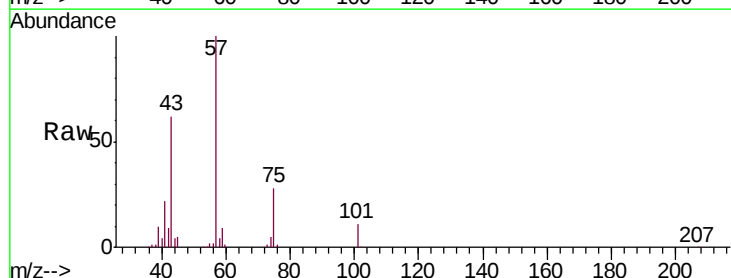
Tgt Ion: 43 Resp: 50011

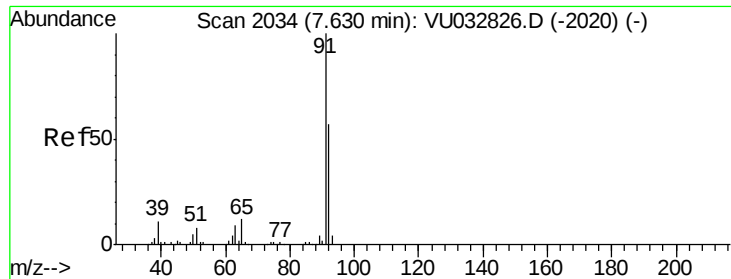
Ion Ratio Lower Upper

43 100

58 6.2 29.4 44.2#

100 0.0 11.2 16.8#





#42

Toluene

Concen: 0.435 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032828.D

Acq: 18 Jun 2019 16:44

Instrument :

MSVOA_U

ClientSampleId :

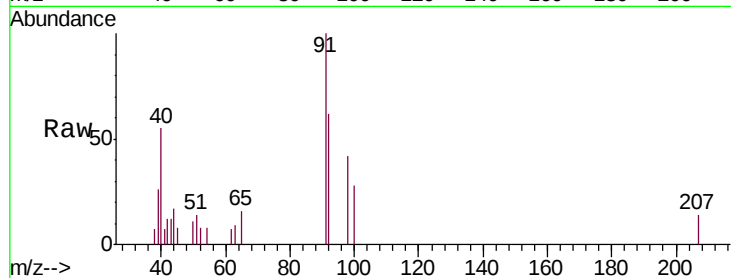
C0JP5

Tgt Ion: 91 Resp: 3109

Ion Ratio Lower Upper

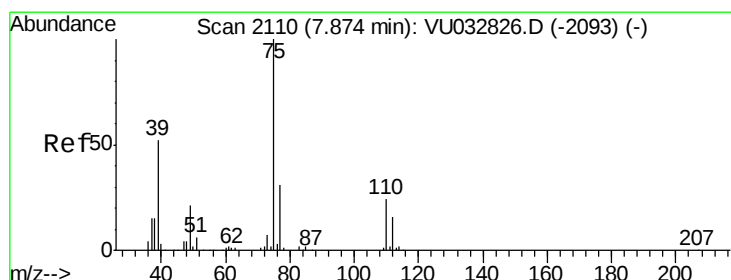
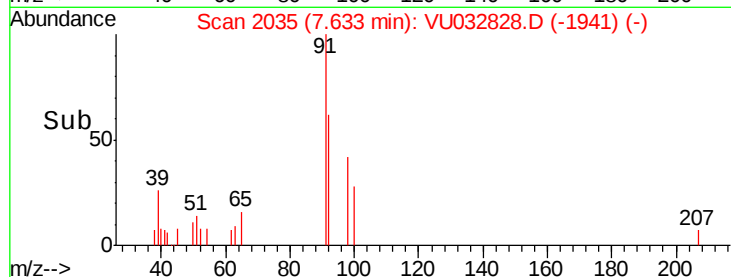
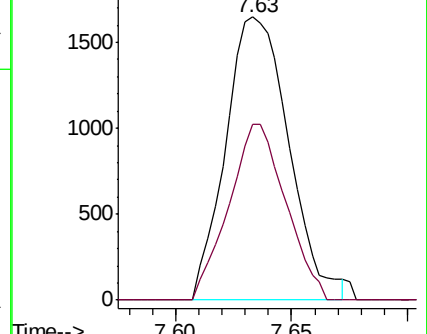
91 100

92 62.0 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.781 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032828.D

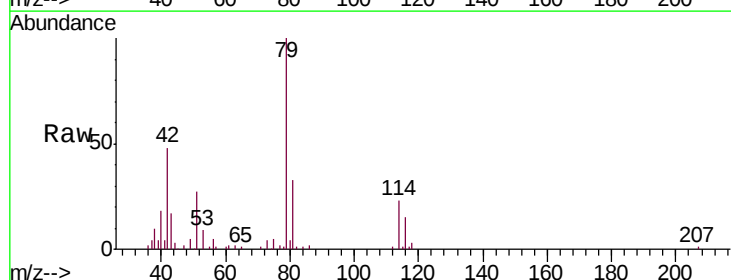
Acq: 18 Jun 2019 16:44

Tgt Ion: 75 Resp: 2073

Ion Ratio Lower Upper

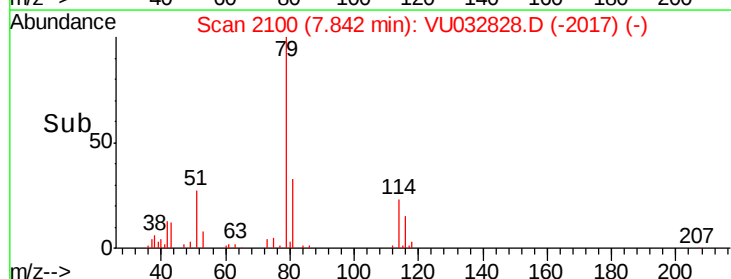
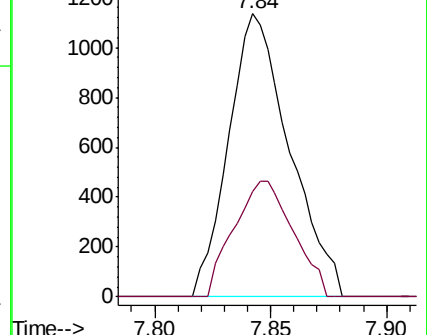
75 100

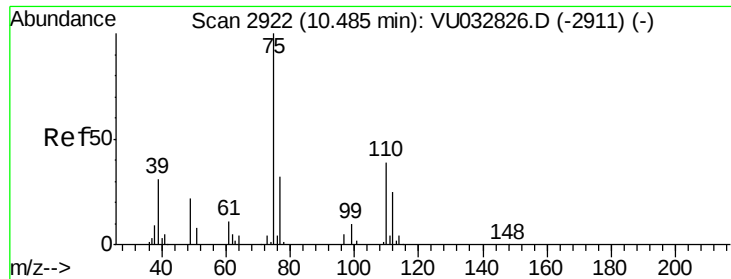
77 37.2 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 6.197 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032828.D

Acq: 18 Jun 2019 16:44

Instrument :

MSVOA_U

ClientSampleId :

C0JP5

Tgt Ion: 75 Resp: 15001

Ion Ratio Lower Upper

75 100

77 37.7 25.5 38.3

