

Data File : VU033335.D
Acq On : 19 Jul 2019 14:27
Operator : JC/SP
Sample : K3863-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52W3

Quant Time: Jul 19 22:57:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 22:54:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	239249	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	242075	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	110030	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	88503	48.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.74%
7) Chloroethane-d5	1.67	69	83702	54.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.20%
11) 1,1-Dichloroethene-d2	2.26	63	116731	35.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.06%
21) 2-Butanone-d5	4.15	46	145589	126.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	126.87%
24) Chloroform-d	4.62	84	160985	53.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.08%
26) 1,2-Dichloroethane-d4	5.29	65	112305	57.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.38%
32) Benzene-d6	5.32	84	322830	54.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.72%
36) 1,2-Dichloropropane-d6	6.31	67	106961	56.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.46%
41) Toluene-d8	7.55	98	285015	50.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.78%
43) trans-1,3-Dichloropropene-	7.83	79	49084	52.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.24%
47) 2-Hexanone-d5	8.29	63	101464	118.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.31%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	156608	54.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.78%
64) 1,2-Dichlorobenzene-d4	11.85	152	107863	54.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.94%

Target Compounds

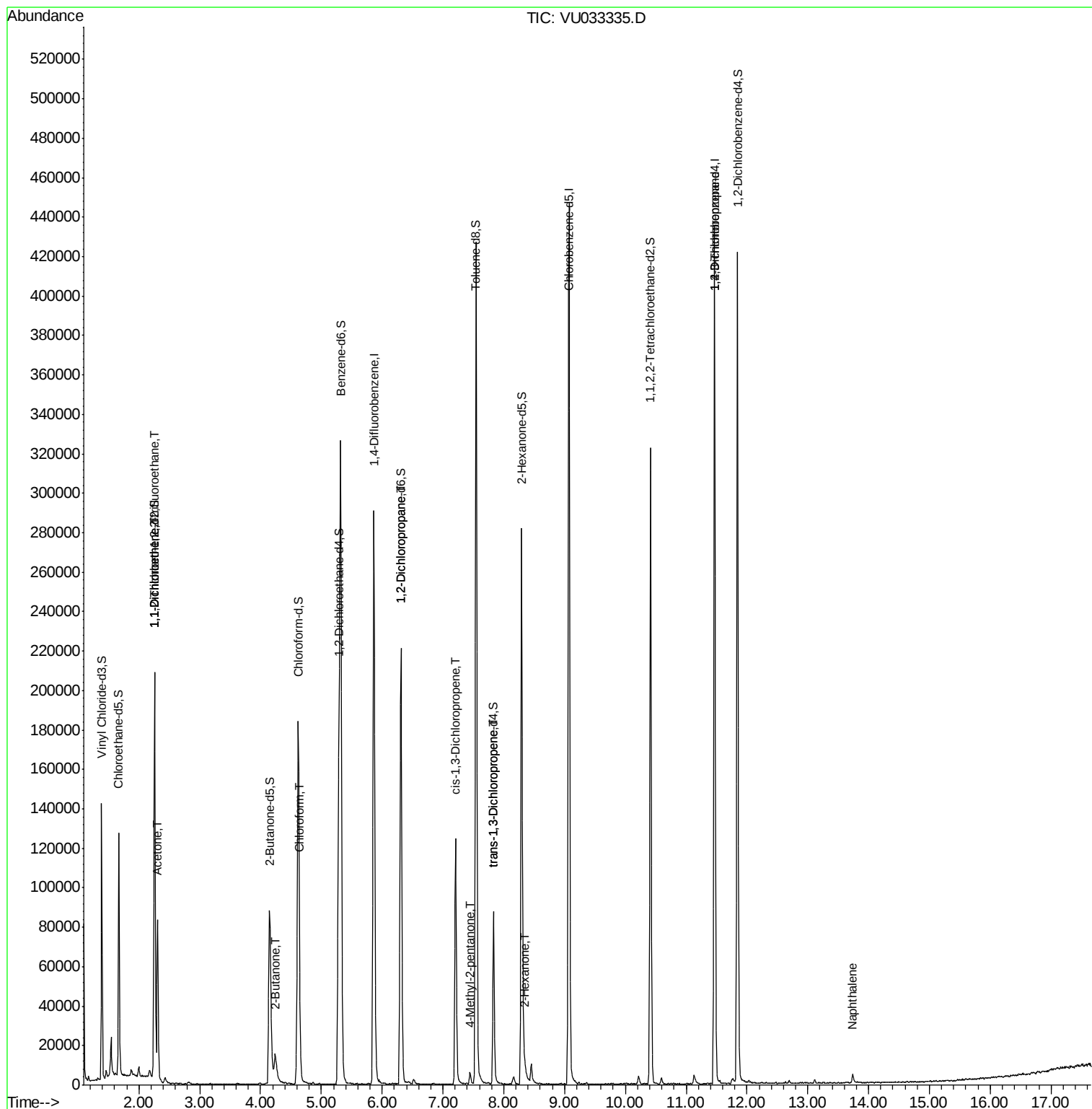
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	954	0.584 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	934	0.585 ug/L #	1
13) Acetone	2.31	43	83406	58.172 ug/L	98
22) 2-Butanone	4.24	43	22138	13.899 ug/L	100
25) Chloroform	4.65	83	2003	0.594 ug/L #	74
37) 1,2-Dichloropropane	6.31	63	11685	6.103 ug/L #	89
39) cis-1,3-Dichloropropene	7.21	75	2962	1.009 ug/L #	37
40) 4-Methyl-2-pentanone	7.45	43	4339	1.689 ug/L #	88
44) trans-1,3-Dichloropropene	7.83	75	2367	0.894 ug/L	100
48) 2-Hexanone	8.35	43	2991	1.429 ug/L #	77
59) 1,2,3-Trichloropropane	11.47	75	14474	5.807 ug/L	89
69) Naphthalene	13.74	128	4085	0.596 ug/L #	94

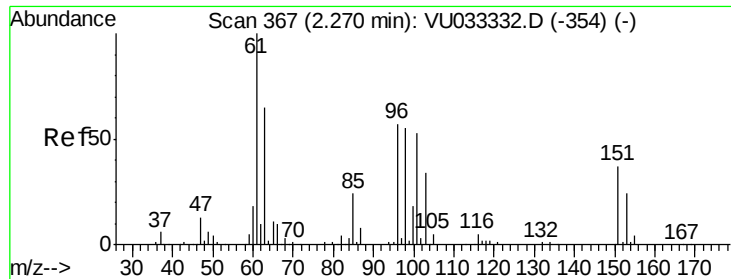
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.584 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033335.D

Acq: 19 Jul 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

A52W3

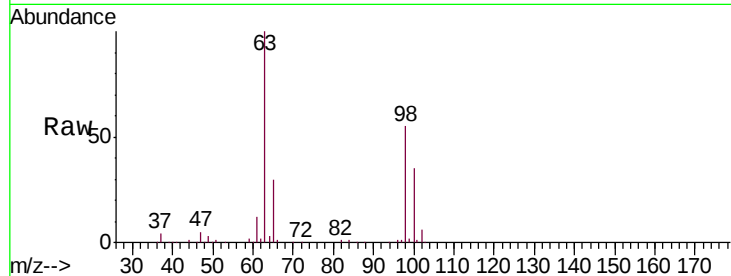
Tgt Ion: 101 Resp: 954

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

151 0.0 56.7 85.1#



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

2.26

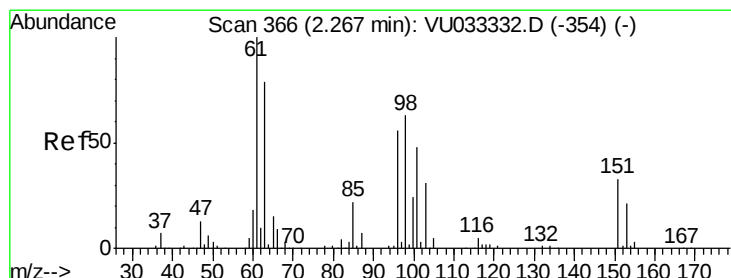
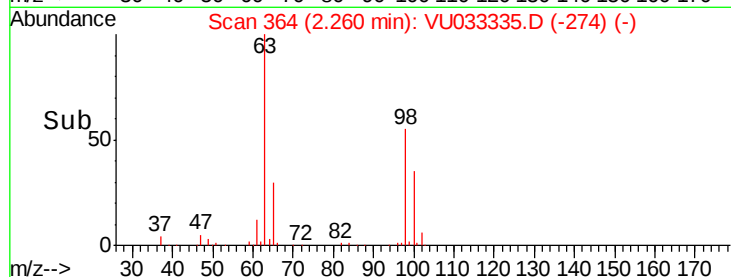
600

400

200

0

Time--> 2.22 2.24 2.26 2.28



#12

1,1-Dichloroethene

Concen: 0.585 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033335.D

Acq: 19 Jul 2019 14:27

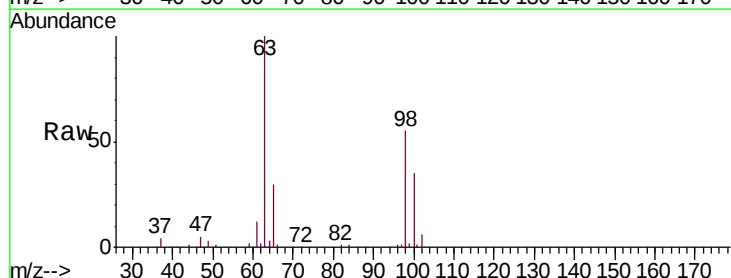
Tgt Ion: 96 Resp: 934

Ion Ratio Lower Upper

96 100

61 1401.4 126.1 234.1#

63 11431.1 96.8 179.8#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

100000

80000

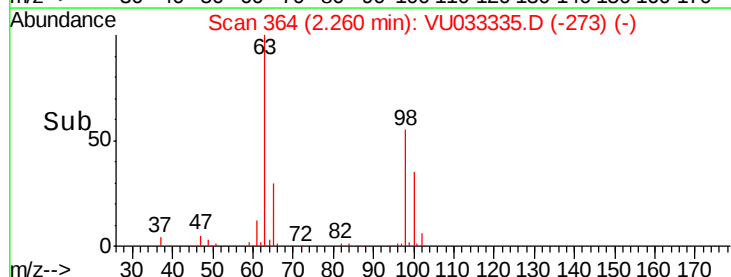
60000

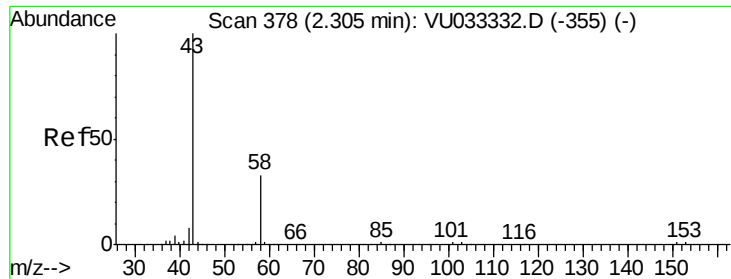
40000

20000

0

Time--> 2.22 2.24 2.26 2.28





#13

Acetone

Concen: 58.172 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033335.D

Acq: 19 Jul 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

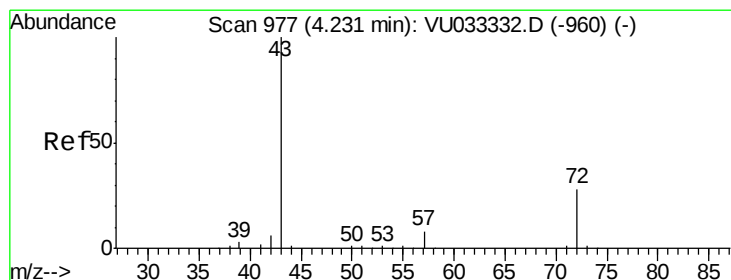
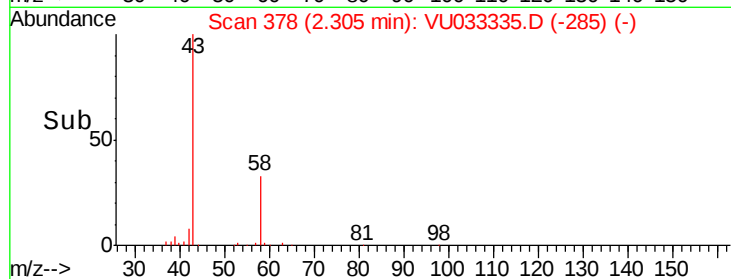
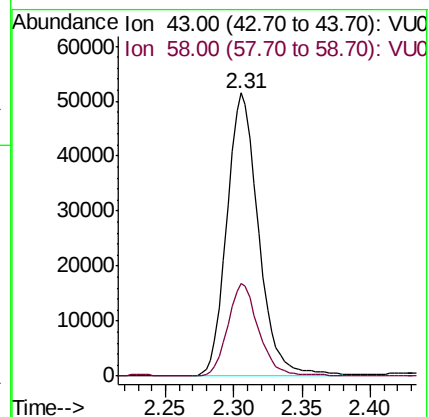
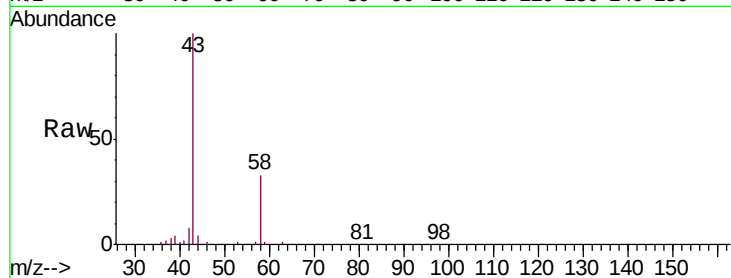
A52W3

Tgt Ion: 43 Resp: 83406

Ion Ratio Lower Upper

43 100

58 31.6 0.0 65.4



#22

2-Butanone

Concen: 13.899 ug/L

RT: 4.24 min Scan# 981

Delta R.T. 0.01 min

Lab File: VU033335.D

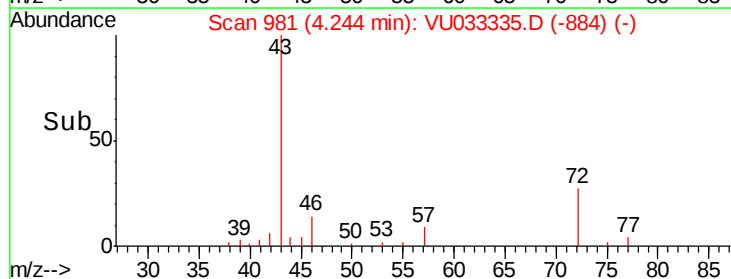
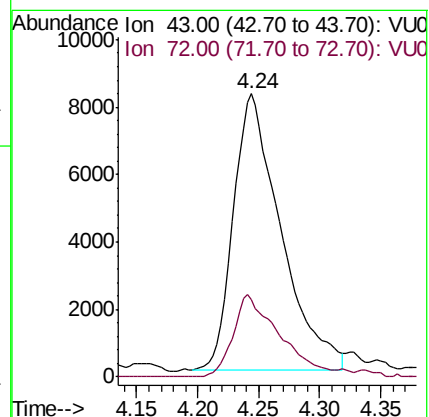
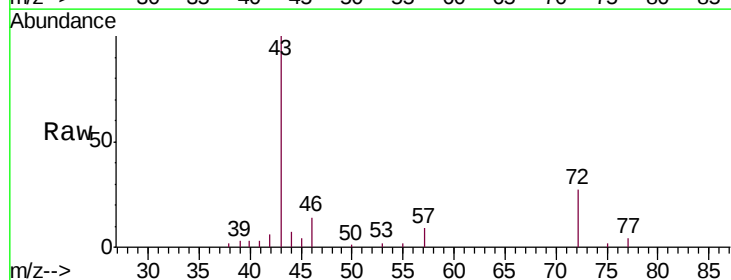
Acq: 19 Jul 2019 14:27

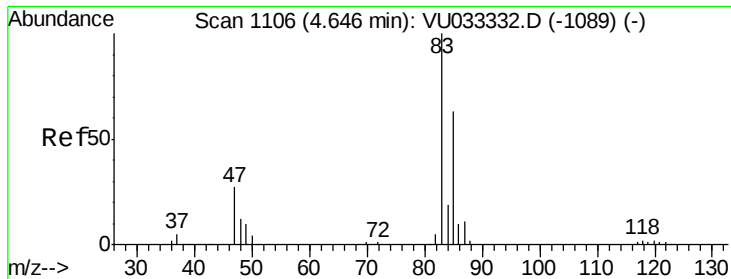
Tgt Ion: 43 Resp: 22138

Ion Ratio Lower Upper

43 100

72 28.8 14.4 43.2

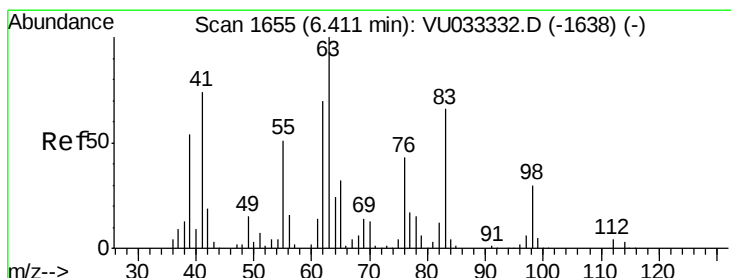
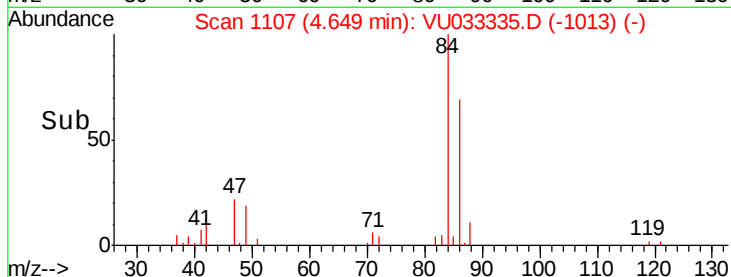
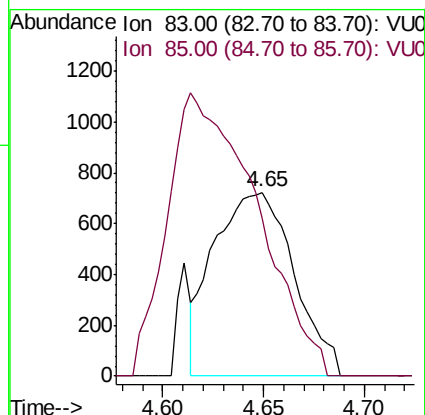
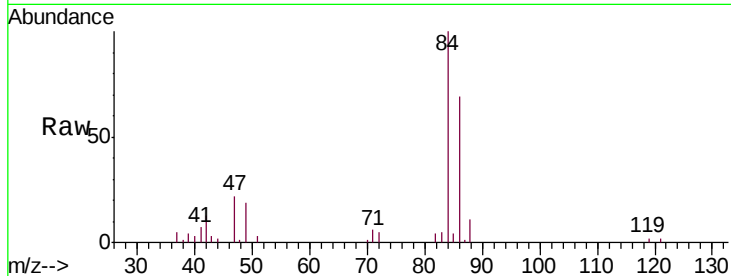




#25
Chloroform
Concen: 0.594 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033335.D
Acq: 19 Jul 2019 14:27

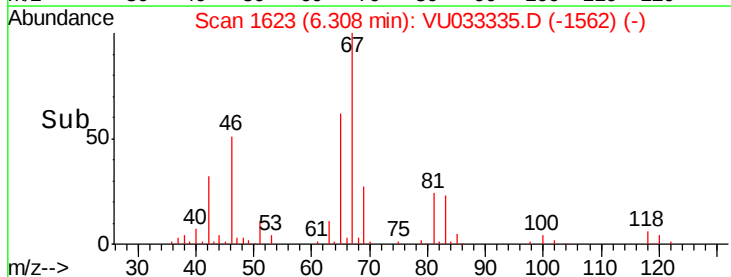
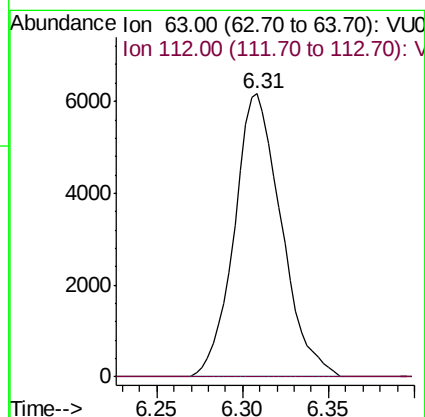
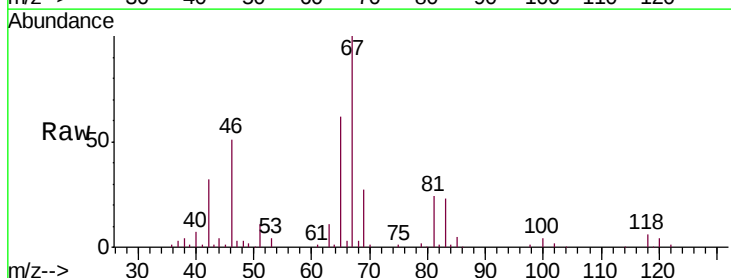
Instrument :
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A52W3

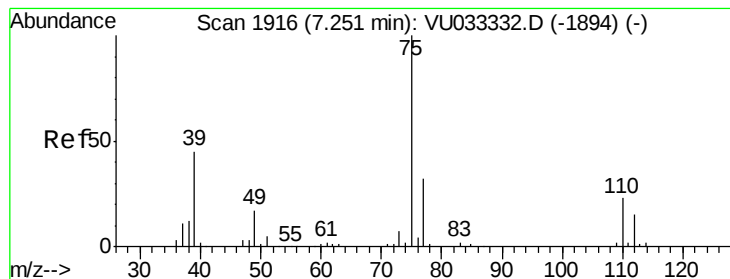
Tgt Ion: 83 Resp: 2003
Ion Ratio Lower Upper
83 100
85 85.7 45.4 84.4#



#37
1,2-Dichloropropane
Concen: 6.103 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU033335.D
Acq: 19 Jul 2019 14:27

Tgt Ion: 63 Resp: 11685
Ion Ratio Lower Upper
63 100
112 0.4 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 1.009 ug/L

RT: 7.21 min Scan# 1902

Delta R.T. -0.05 min

Lab File: VU033335.D

Acq: 19 Jul 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

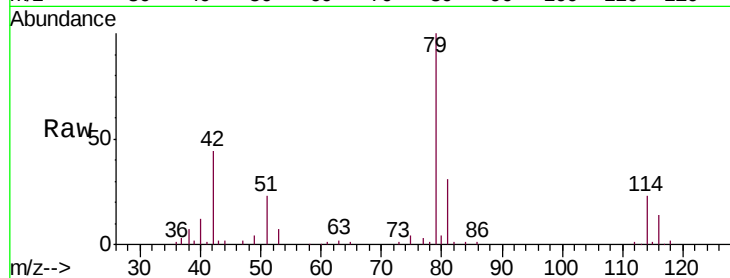
A52W3

Tgt Ion: 75 Resp: 2962

Ion Ratio Lower Upper

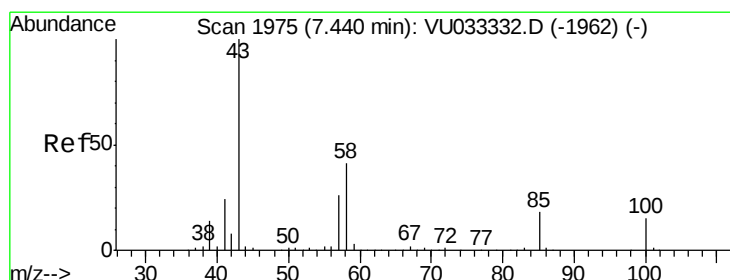
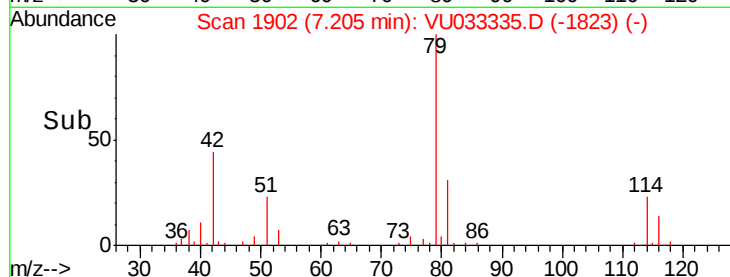
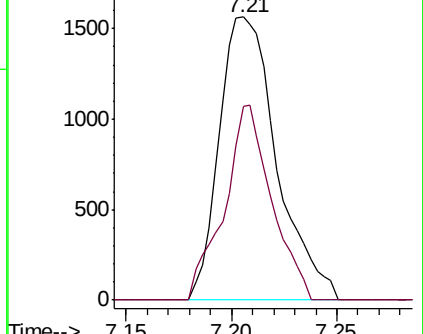
75 100

77 68.3 23.1 42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU033332.D (-1894) (-)

Ion 77.00 (76.70 to 77.70): VU033335.D (-1823) (-)



#40

4-Methyl-2-pentanone

Concen: 1.689 ug/L

RT: 7.45 min Scan# 1977

Delta R.T. 0.01 min

Lab File: VU033335.D

Acq: 19 Jul 2019 14:27

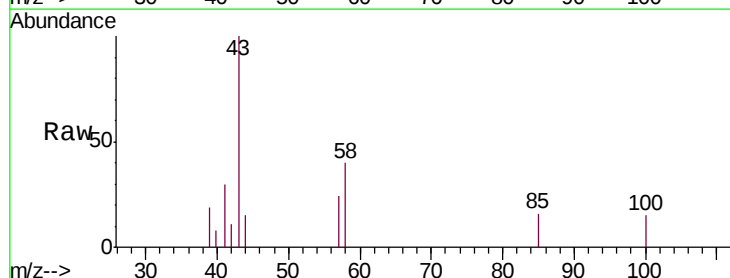
Tgt Ion: 43 Resp: 4339

Ion Ratio Lower Upper

43 100

58 33.6 33.3 49.9

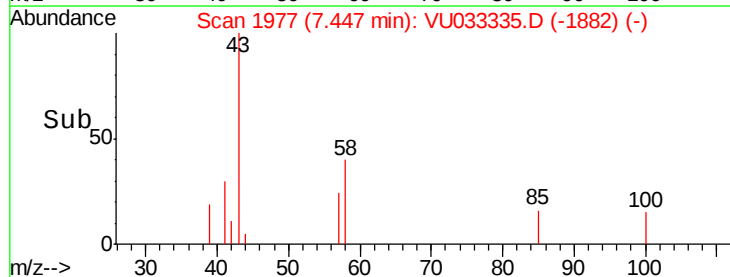
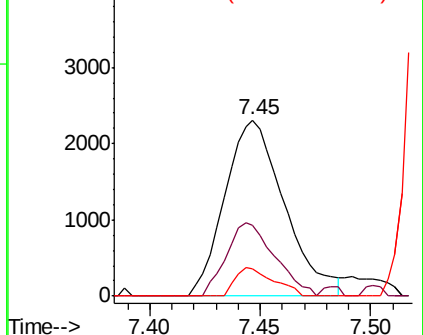
100 10.3 12.1 18.1#

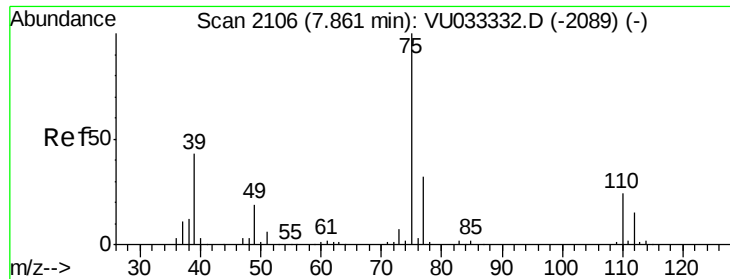


Abundance Ion 43.00 (42.70 to 43.70): VU033332.D (-1962) (-)

Ion 58.00 (57.70 to 58.70): VU033335.D (-1882) (-)

Ion 100.00 (99.70 to 100.70): VU033335.D (-1882) (-)

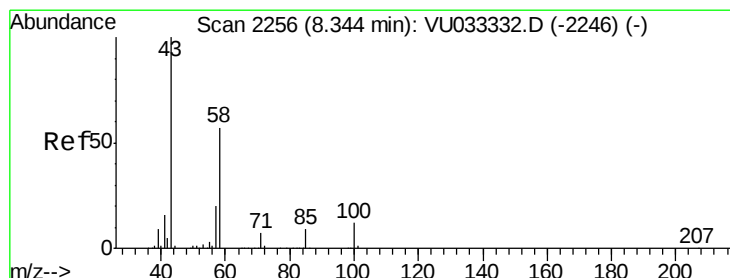
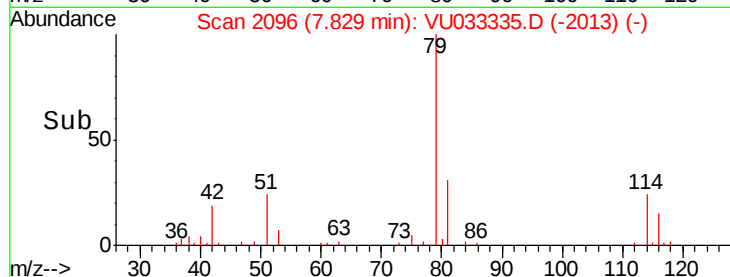
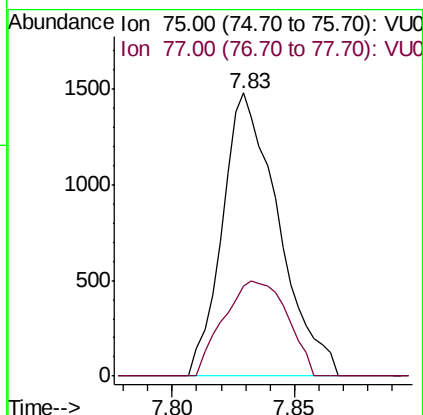
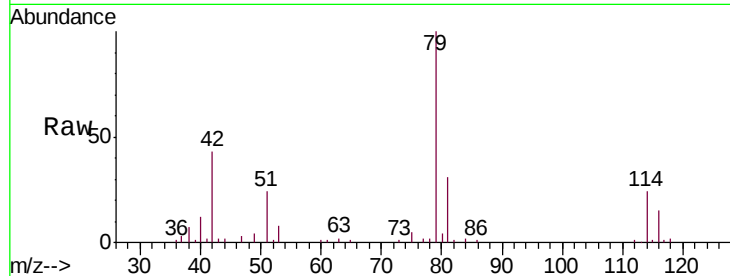




#44
trans-1,3-Dichloropropene
Concen: 0.894 ug/L
RT: 7.83 min Scan# 2096
Delta R.T. -0.03 min
Lab File: VU033335.D
Acq: 19 Jul 2019 14:27

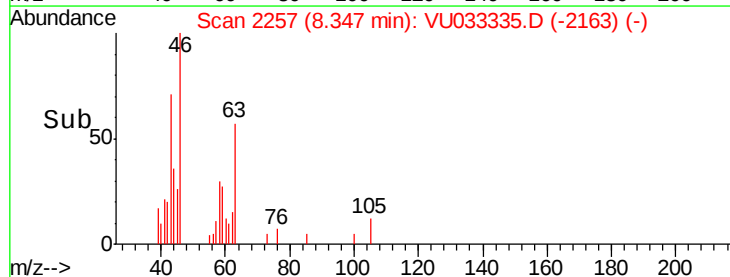
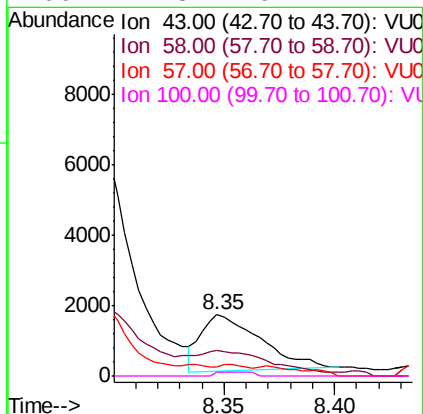
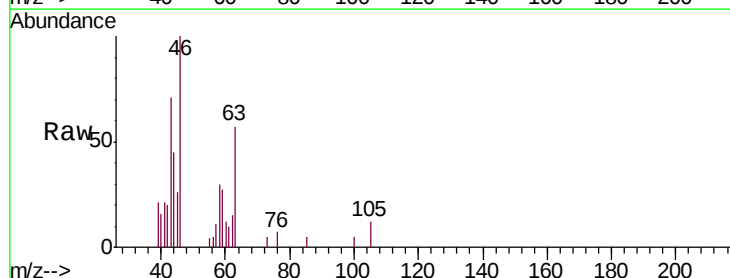
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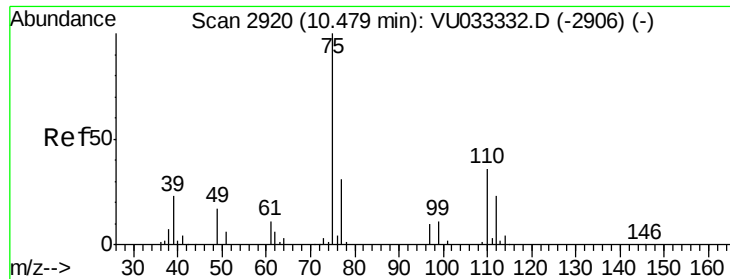
Tgt Ion: 75 Resp: 2367
Ion Ratio Lower Upper
75 100
77 31.8 22.4 41.6



#48
2-Hexanone
Concen: 1.429 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033335.D
Acq: 19 Jul 2019 14:27

Tgt Ion: 43 Resp: 2991
Ion Ratio Lower Upper
43 100
58 42.3 46.1 69.1#
57 6.4 15.8 23.8#
100 2.3 9.4 14.2#

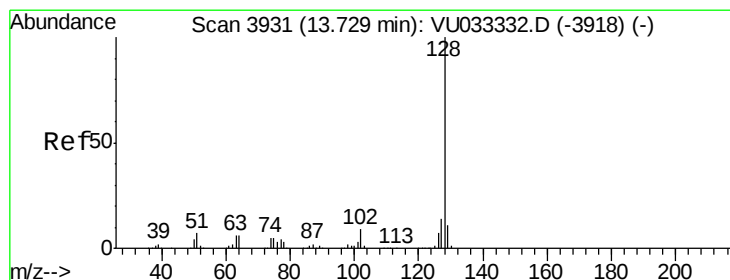
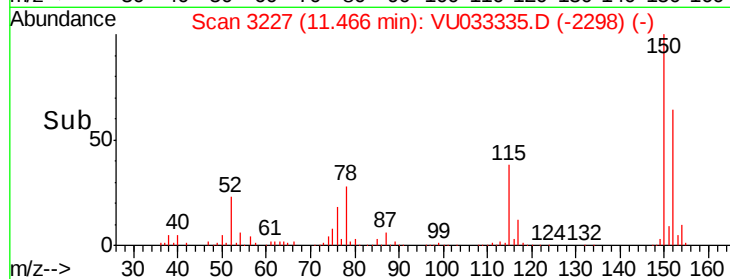
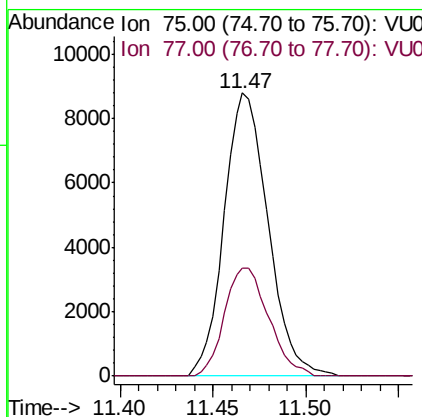
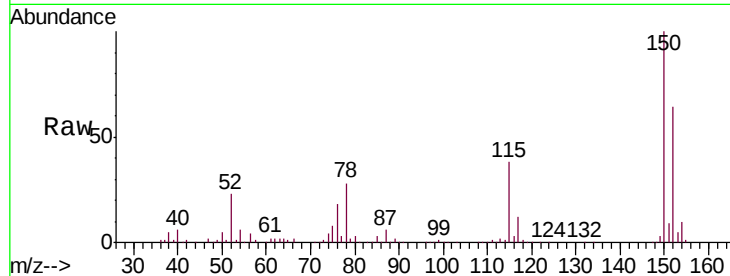




#59
 1,2,3-Trichloropropane
 Concen: 5.807 ug/L
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.99 min
 Lab File: VU033335.D
 Acq: 19 Jul 2019 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 A52W3

Tgt Ion: 75 Resp: 14474
 Ion Ratio Lower Upper
 75 100
 77 38.4 26.0 39.0



#69
 Naphthalene
 Concen: 0.596 ug/L
 RT: 13.74 min Scan# 3935
 Delta R.T. 0.01 min
 Lab File: VU033335.D
 Acq: 19 Jul 2019 14:27

Tgt Ion: 128 Resp: 4085
 Ion Ratio Lower Upper
 128 100
 127 15.0 10.8 16.2
 129 7.2 8.7 13.1#

