

Data File : VU034921.D
Acq On : 03 Oct 2019 18:06
Operator : JC/SP
Sample : K5058-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBAM2

Quant Time: Oct 04 06:44:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 04 06:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	425203	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	413789	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	173716	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	156659	45.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.68%
7) Chloroethane-d5	1.67	69	121927	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.66%
11) 1,1-Dichloroethene-d2	2.26	63	216334	35.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.66%
21) 2-Butanone-d5	4.15	46	269190	106.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.93%
24) Chloroform-d	4.62	84	267608	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.34%
26) 1,2-Dichloroethane-d4	5.29	65	187953	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
32) Benzene-d6	5.32	84	571506	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.22%
36) 1,2-Dichloropropane-d6	6.31	67	189482	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.66%
41) Toluene-d8	7.54	98	523294	47.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.90%
43) trans-1,3-Dichloropropene-	7.83	79	82030	47.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.38%
47) 2-Hexanone-d5	8.29	63	194974	107.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.04%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	265183	48.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.22%
64) 1,2-Dichlorobenzene-d4	11.84	152	183438	51.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.86%

Target Compounds

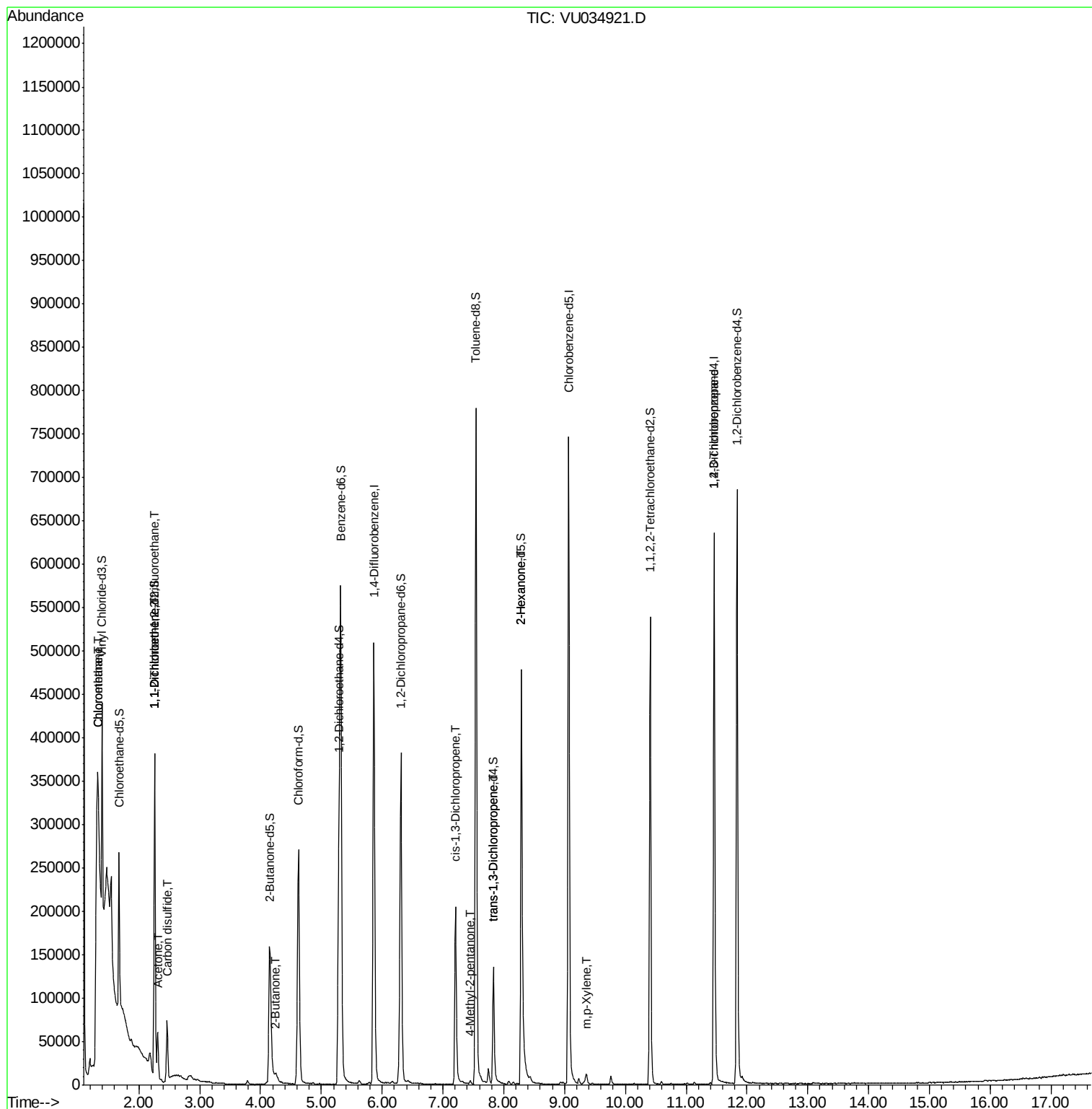
					Qvalue	
3) Chloromethane	1.32	50	17843	4.406	ug/L #	50
8) Chloroethane	1.32	64	278094	123.940	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1815	0.713	ug/L #	22
12) 1,1-Dichloroethene	2.26	96	1480	0.606	ug/L #	1
13) Acetone	2.31	43	57590	24.162	ug/L	100
14) Carbon disulfide	2.46	76	93409	11.580	ug/L	100
22) 2-Butanone	4.26	43	15405	5.493	ug/L	92
39) cis-1,3-Dichloropropene	7.21	75	5754	1.127	ug/L #	67
40) 4-Methyl-2-pentanone	7.45	43	2797	0.536	ug/L #	96
44) trans-1,3-Dichloropropene	7.83	75	3747	0.838	ug/L	98
48) 2-Hexanone	8.29	43	21567	5.423	ug/L #	70
53) m,p-Xylene	9.36	106	3864	0.723	ug/L	96
59) 1,2,3-Trichloropropane	11.46	75	21906	5.030	ug/L	90

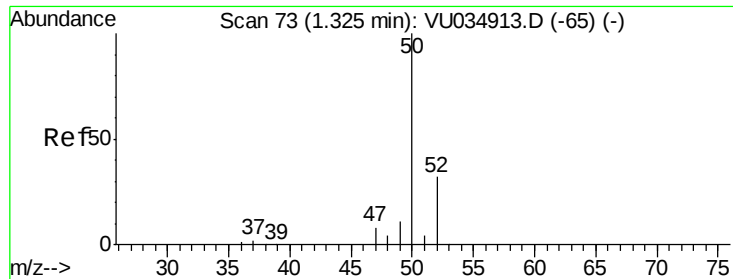
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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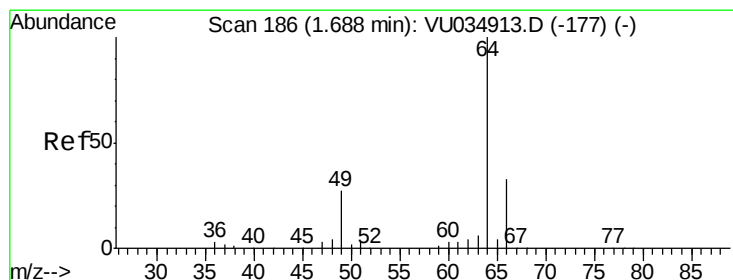
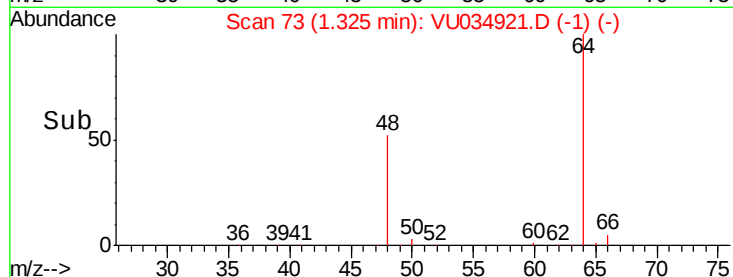
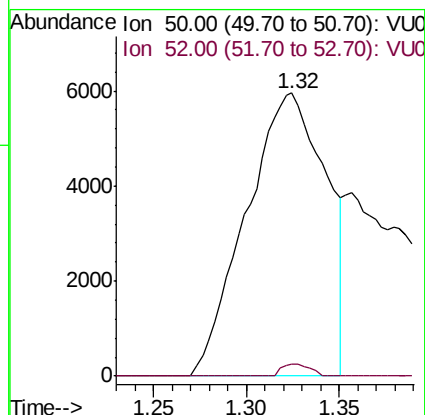
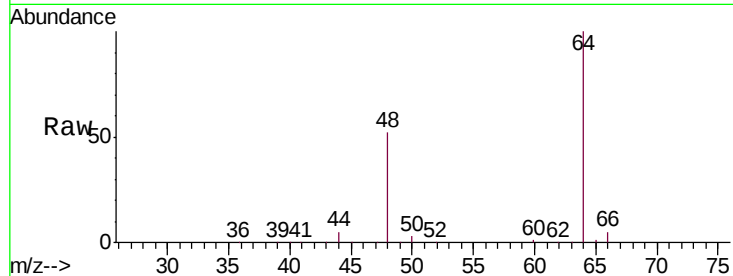




#3
Chloromethane
Concen: 4.406 ug/L
RT: 1.32 min Scan# 73
Delta R.T. -0.00 min
Lab File: VU034921.D
Acq: 03 Oct 2019 18:06

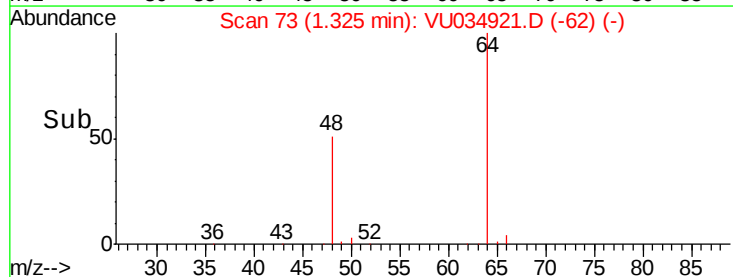
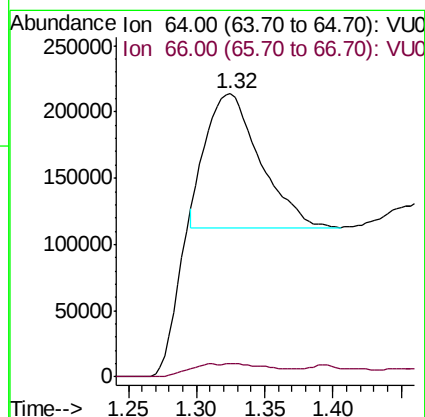
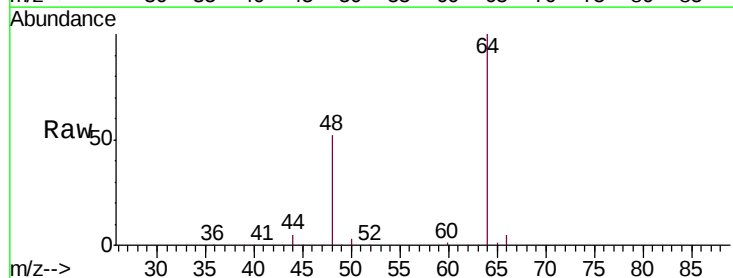
Instrument :
MSVOA_U
ClientSampleId :
DBAM2

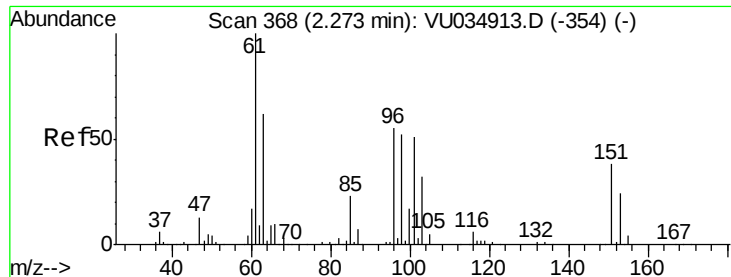
Tgt Ion: 50 Resp: 17843
Ion Ratio Lower Upper
50 100
52 4.4 22.7 42.3#



#8
Chloroethane
Concen: 123.940 ug/L
RT: 1.32 min Scan# 73
Delta R.T. -0.36 min
Lab File: VU034921.D
Acq: 03 Oct 2019 18:06

Tgt Ion: 64 Resp: 278094
Ion Ratio Lower Upper
64 100
66 4.6 22.9 42.5#





#10

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

Concen: 0.713 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU034921.D

Acq: 03 Oct 2019 18:06

Instrument :

MSVOA_U

ClientSampleId :

DBAM2

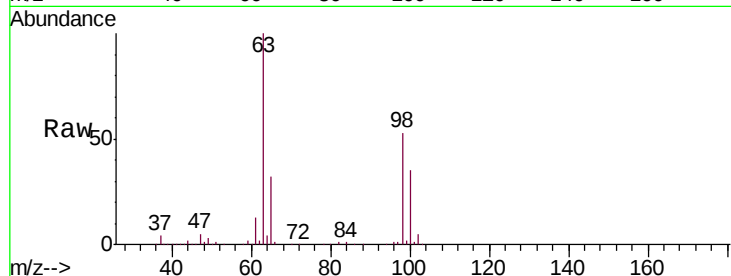
Tgt Ion: 101 Resp: 1815

Ion Ratio Lower Upper

101 100

85 3.8 35.9 53.9#

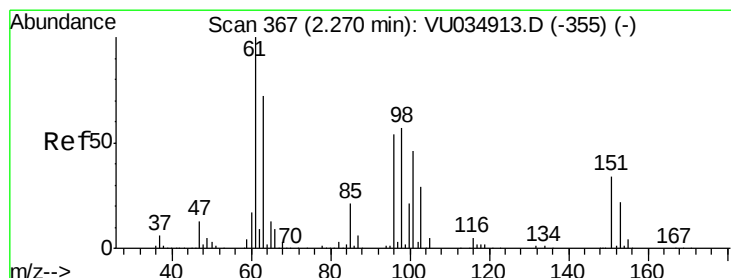
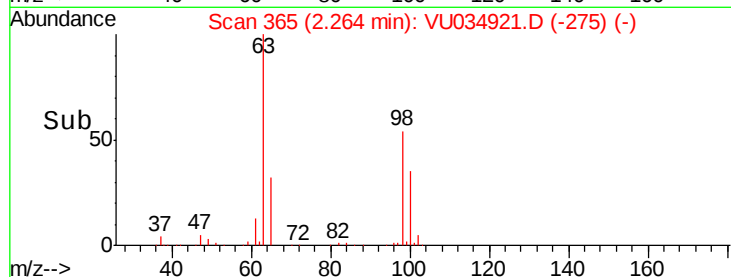
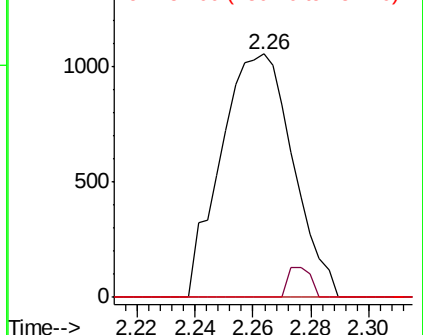
151 0.0 59.0 88.4#



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



#12

1,1-Dichloroethene

Concen: 0.606 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034921.D

Acq: 03 Oct 2019 18:06

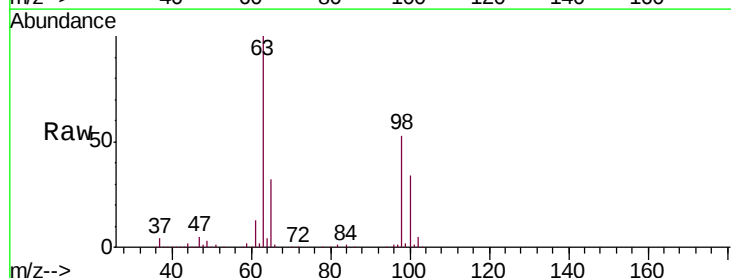
Tgt Ion: 96 Resp: 1480

Ion Ratio Lower Upper

96 100

61 1921.9 131.2 243.6#

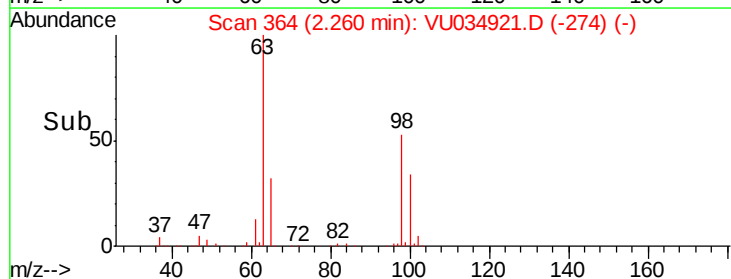
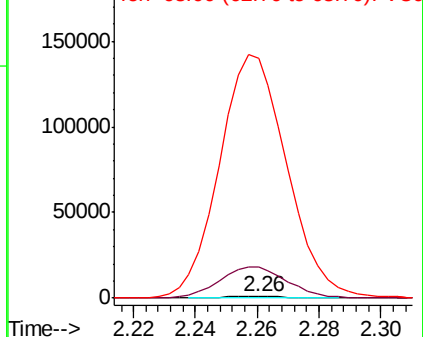
63 14910.6 97.6 181.2#

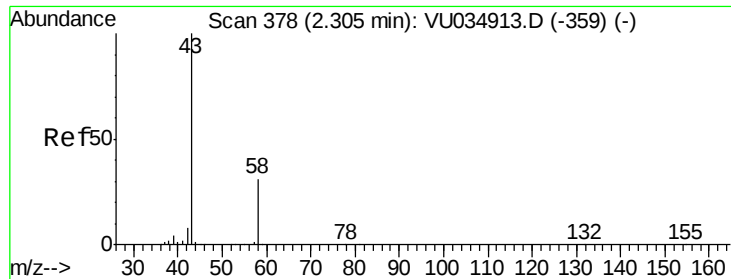


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 24.162 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034921.D

Acq: 03 Oct 2019 18:06

Instrument :

MSVOA_U

ClientSampleId :

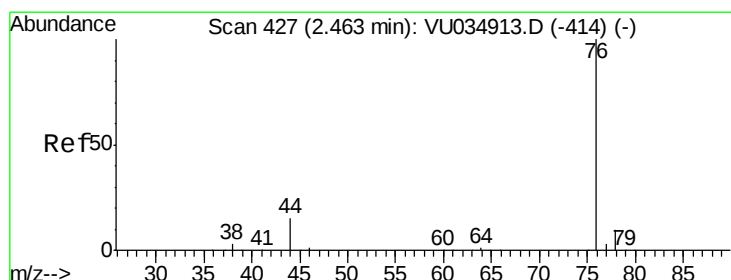
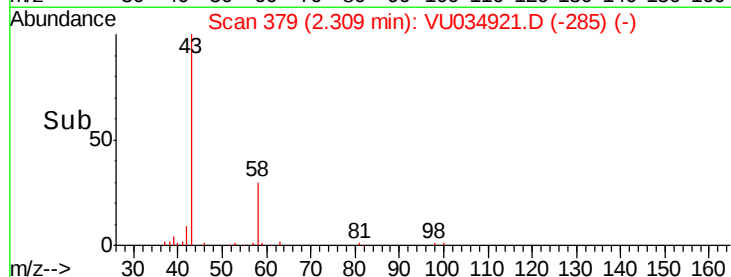
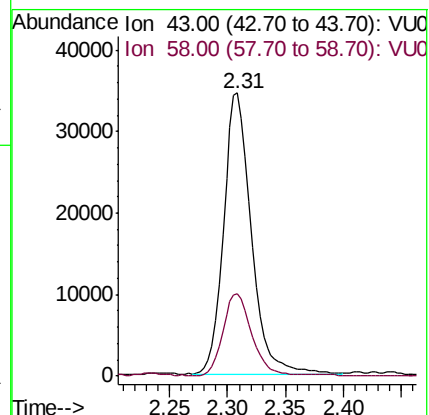
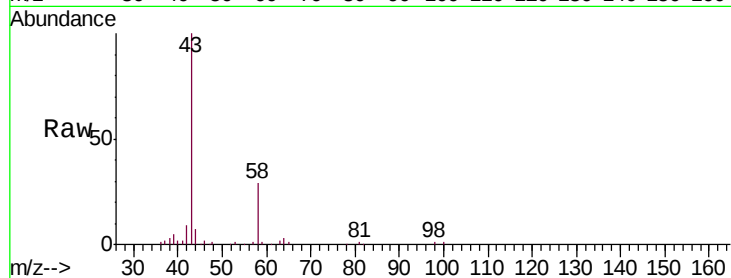
DBAM2

Tgt Ion: 43 Resp: 57590

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.4



#14

Carbon disulfide

Concen: 11.580 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034921.D

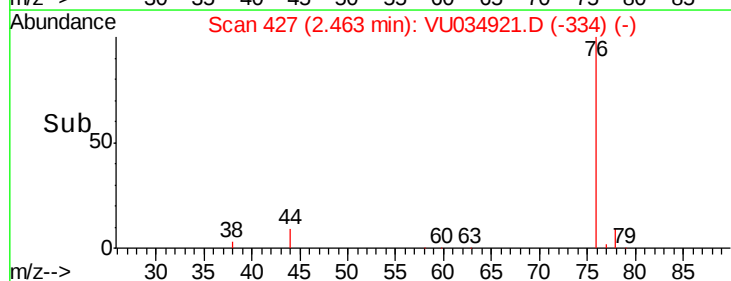
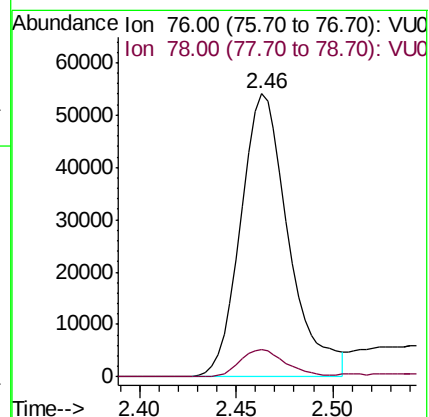
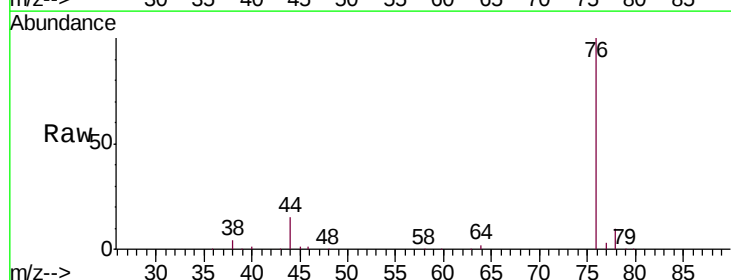
Acq: 03 Oct 2019 18:06

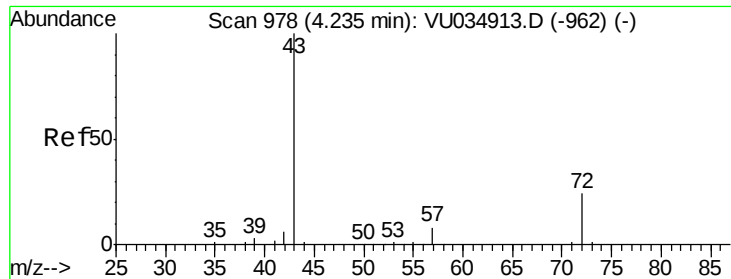
Tgt Ion: 76 Resp: 93409

Ion Ratio Lower Upper

76 100

78 9.5 7.7 11.5





#22

2-Butanone

Concen: 5.493 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.02 min

Lab File: VU034921.D

Acq: 03 Oct 2019 18:06

Instrument :

MSVOA_U

ClientSampleId :

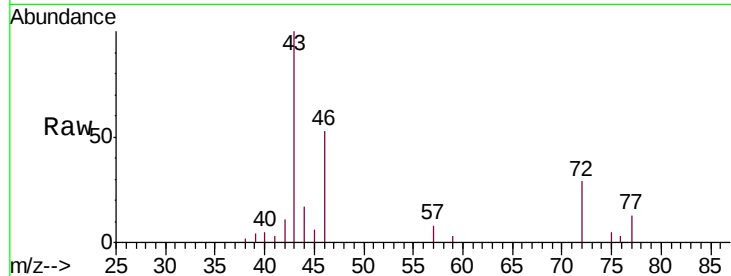
DBAM2

Tgt Ion: 43 Resp: 15405

Ion Ratio Lower Upper

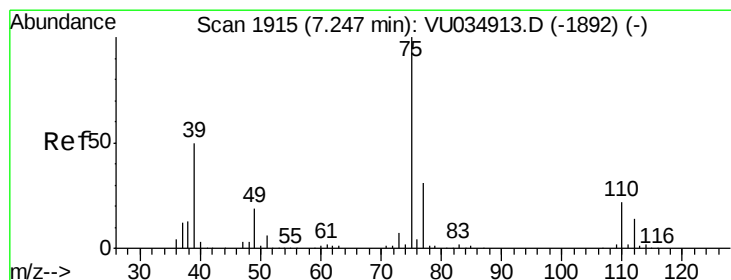
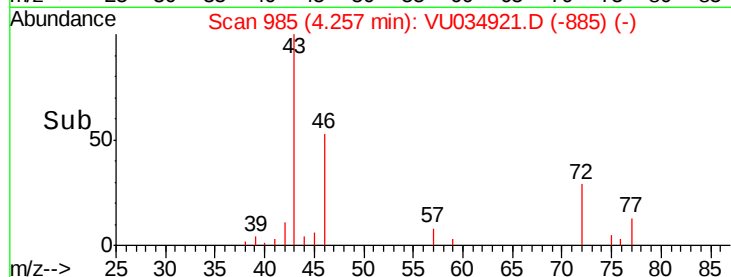
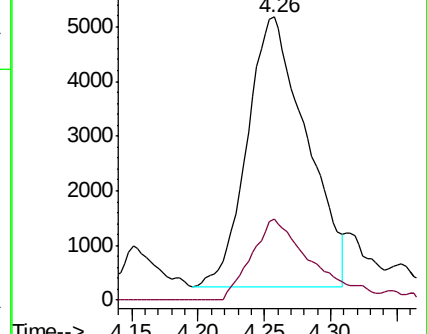
43 100

72 28.8 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU034921.D (-985) (-)

Ion 72.00 (71.70 to 72.70): VU034921.D (-985) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.127 ug/L

RT: 7.21 min Scan# 1902

Delta R.T. -0.04 min

Lab File: VU034921.D

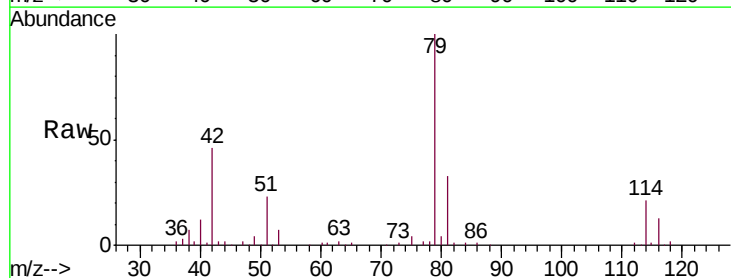
Acq: 03 Oct 2019 18:06

Tgt Ion: 75 Resp: 5754

Ion Ratio Lower Upper

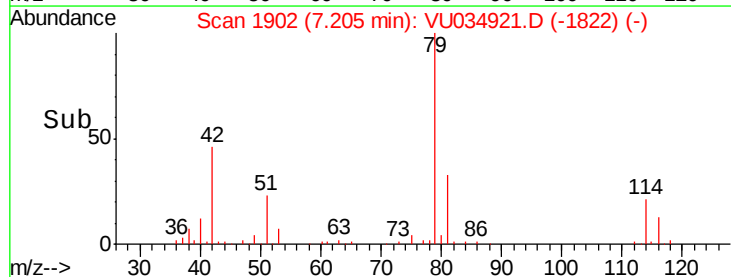
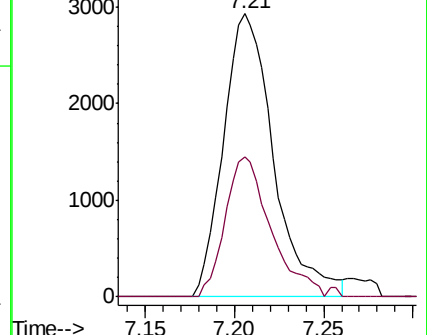
75 100

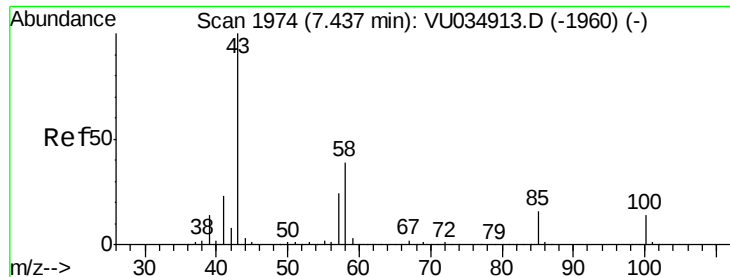
77 49.7 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VU034921.D (-1822) (-)

Ion 77.00 (76.70 to 77.70): VU034921.D (-1822) (-)

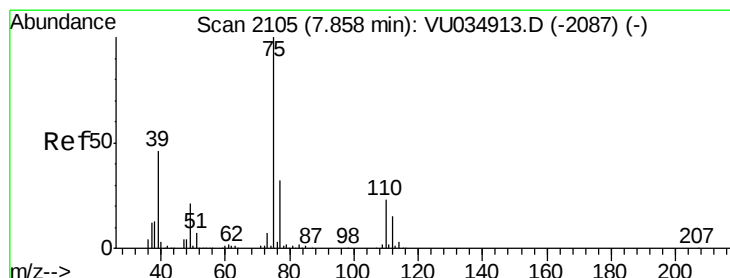
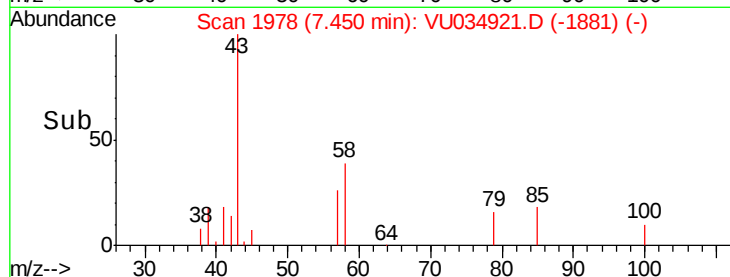
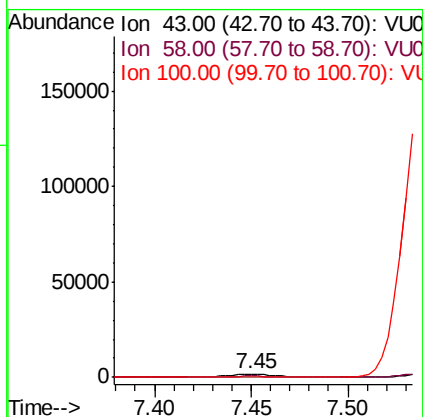
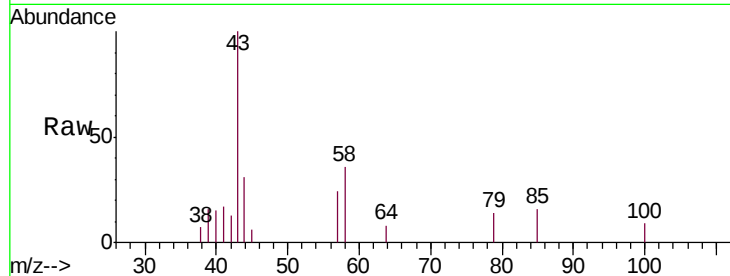




#40
4-Methyl-2-pentanone
Concen: 0.536 ug/L
RT: 7.45 min Scan# 1978
Delta R.T. 0.01 min
Lab File: VU034921.D
Acq: 03 Oct 2019 18:06

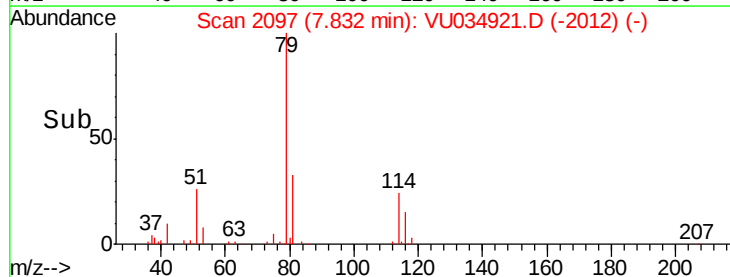
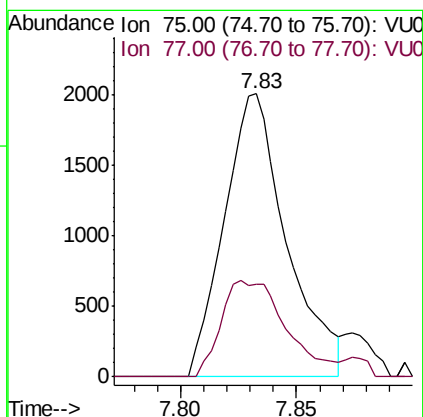
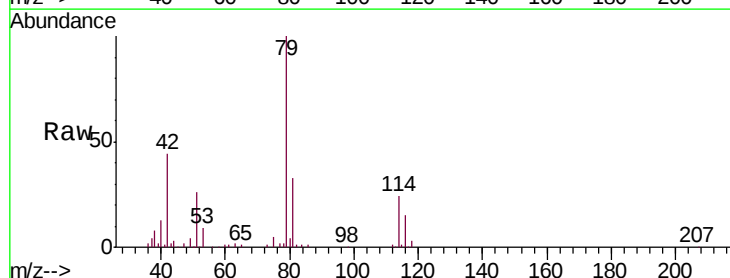
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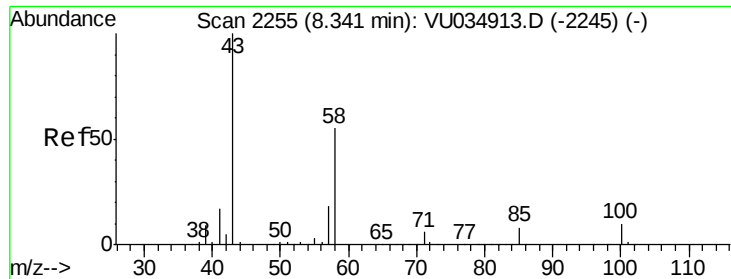
Tgt Ion: 43 Resp: 2797
Ion Ratio Lower Upper
43 100
58 38.1 30.7 46.1
100 8.1 10.9 16.3#



#44
trans-1,3-Dichloropropene
Concen: 0.838 ug/L
RT: 7.83 min Scan# 2097
Delta R.T. -0.03 min
Lab File: VU034921.D
Acq: 03 Oct 2019 18:06

Tgt Ion: 75 Resp: 3747
Ion Ratio Lower Upper
75 100
77 32.6 22.2 41.2

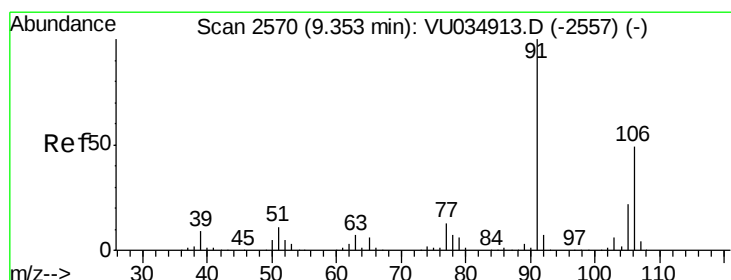
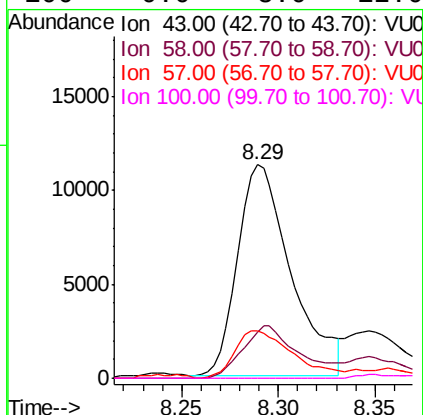
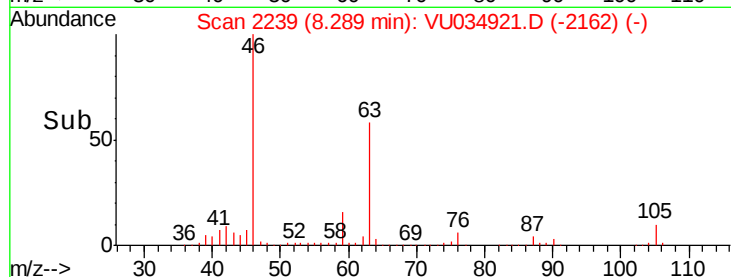
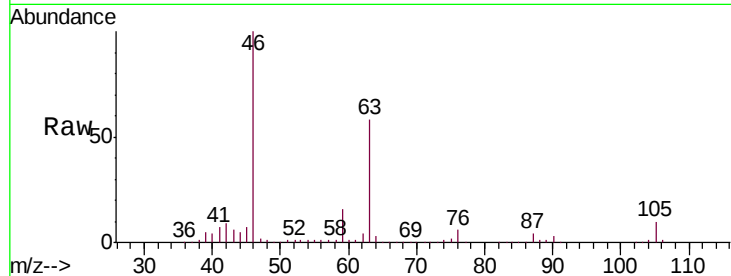




#48
2-Hexanone
Concen: 5.423 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.05 min
Lab File: VU034921.D
Acq: 03 Oct 2019 18:06

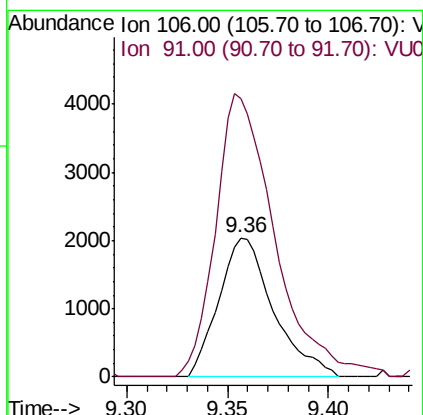
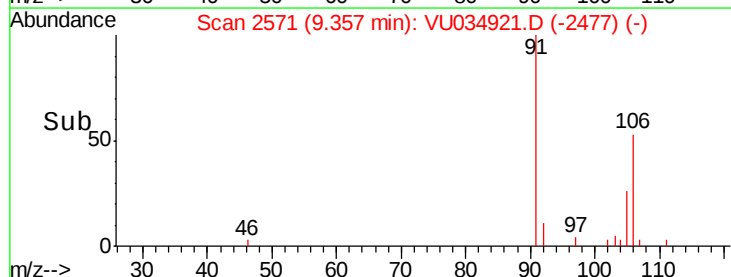
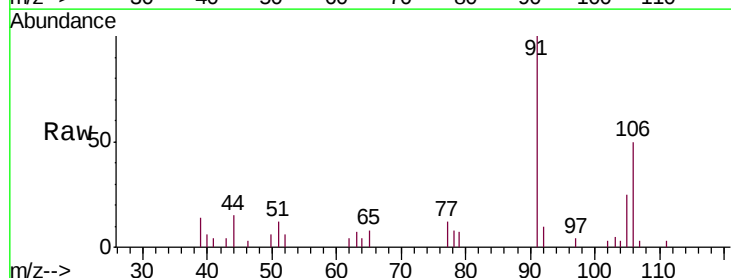
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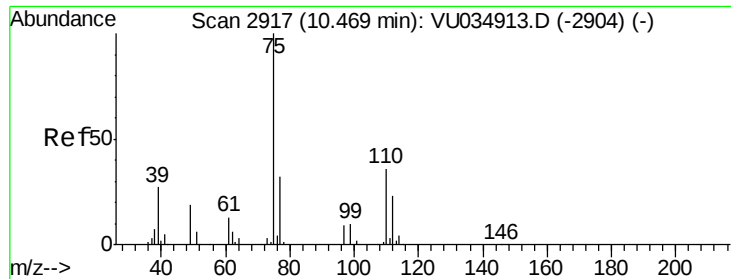
Tgt Ion: 43 Resp: 21567
Ion Ratio Lower Upper
43 100
58 26.1 40.8 61.2#
57 24.5 14.0 21.0#
100 0.0 8.0 12.0#



#53
m,p-Xylene
Concen: 0.723 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034921.D
Acq: 03 Oct 2019 18:06

Tgt Ion: 106 Resp: 3864
Ion Ratio Lower Upper
106 100
91 200.5 144.5 268.3





#59

1,2,3-Trichloropropane

Concen: 5.030 ug/L

RT: 11.46 min Scan# 3225

Delta R.T. 0.99 min

Lab File: VU034921.D

Acq: 03 Oct 2019 18:06

Instrument :

MSVOA_U

ClientSampleId :

DBAM2

Tgt Ion: 75 Resp: 21906

Ion Ratio Lower Upper

75 100

77 37.8 25.7 38.5

