

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\
 Data File : VU025433.D
 Acq On : 16 Jul 2018 18:54
 Operator : MD/SY
 Sample : PB111022ZHE#01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB111022ZHE#01

Quant Time: Jul 17 09:13:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:54:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	339960	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303154	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	136779	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	78346	42.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.72%
7) Chloroethane-d5	1.68	69	63460	42.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.56%
11) 1,1-Dichloroethene-d2	2.27	63	125811	31.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.70%
21) 2-Butanone-d5	4.19	46	199139	107.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.82%
24) Chloroform-d	4.65	84	191378	44.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.26%
26) 1,2-Dichloroethane-d4	5.31	65	134881	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.16%
32) Benzene-d6	5.34	84	366132	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.14%
36) 1,2-Dichloropropane-d6	6.34	67	120250	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.62%
41) Toluene-d8	7.57	98	346029	46.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.48%
43) trans-1,3-Dichloropropene-	7.85	79	55179	44.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.28%
47) 2-Hexanone-d5	8.31	63	157673	119.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.97%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	181999	48.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	138880	48.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.18%

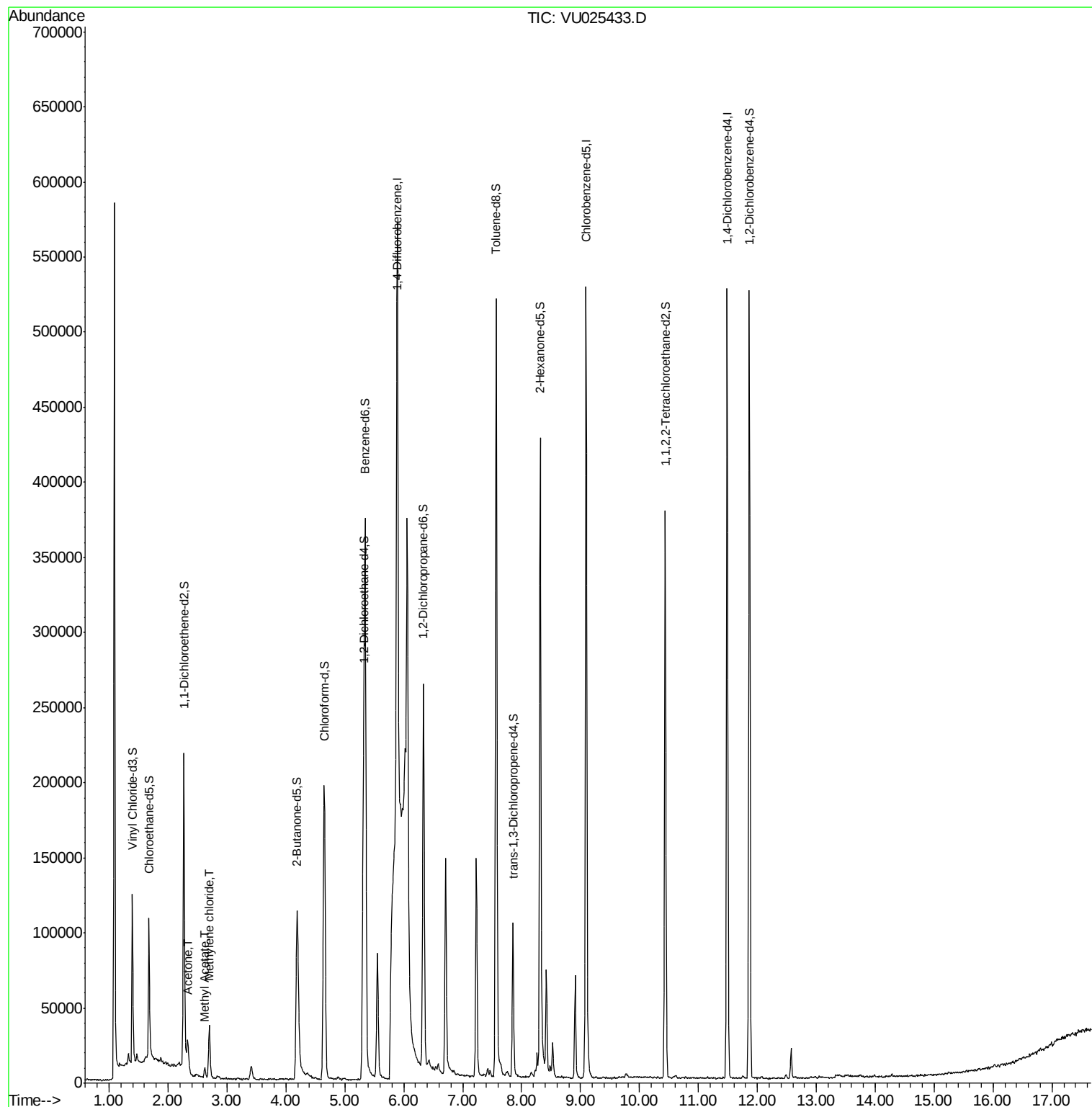
Target Compounds					Ovalue
13) Acetone	2.34	43	19397	9.98 ug/L	98
15) Methyl Acetate	2.63	43	8417	2.91 ug/L	98
16) Methylene chloride	2.70	84	15958	6.18 ug/L	89

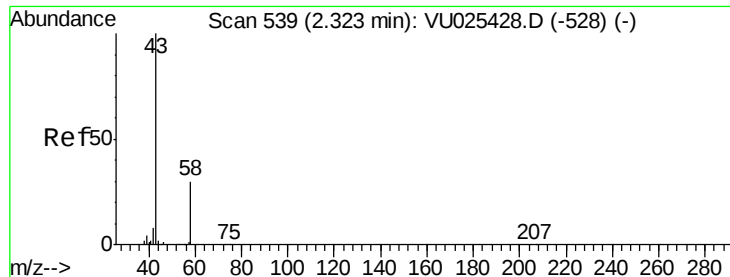
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 9.98 ug/L

RT: 2.34 min Scan# 544

Delta R.T. 0.02 min

Lab File: VU025433.D

Acq: 16 Jul 2018 18:54

Instrument :

MSVOA_U

ClientSampleId :

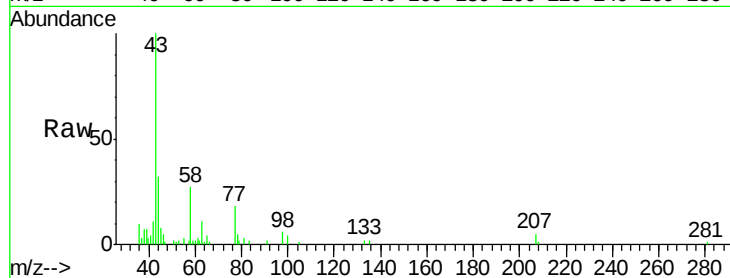
PB111022ZHE#01

Tot Ion: 43 Resp: 19397

Ion Ratio Lower Upper

43 100

58 30.5 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.34

8000

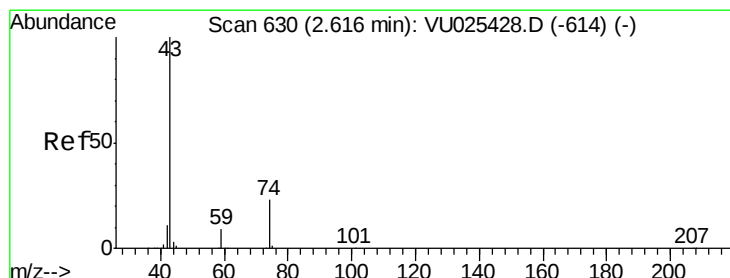
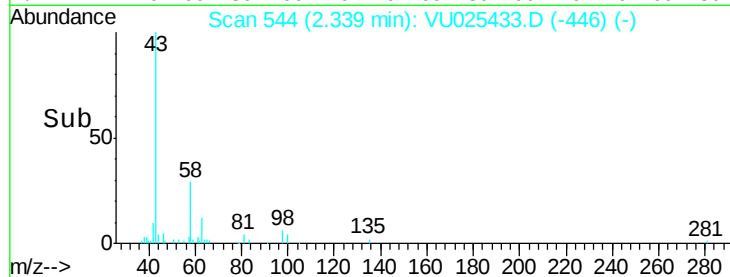
6000

4000

2000

0

Time--> 2.25 2.30 2.35 2.40



#15

Methyl Acetate

Concen: 2.91 ug/L

RT: 2.63 min Scan# 633

Delta R.T. 0.01 min

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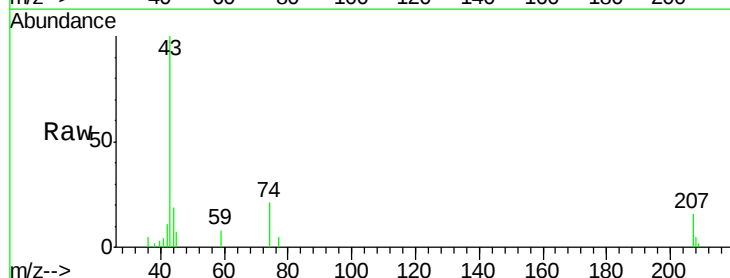
Acq: 16 Jul 2018 18:54

Tgt Ion: 43 Resp: 8417

Ion Ratio Lower Upper

43 100

74 24.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.63

5000

4000

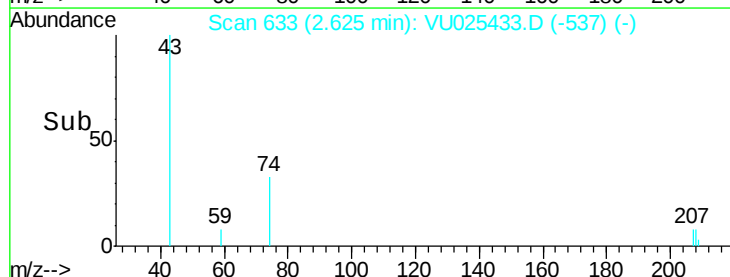
3000

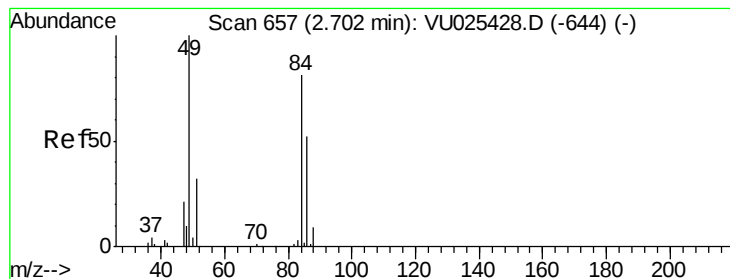
2000

1000

0

Time--> 2.55 2.60 2.65





#16

Methylene chloride

Concen: 6.18 ug/L

RT: 2.70 min Scan# 656

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

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PB111022ZHE#01

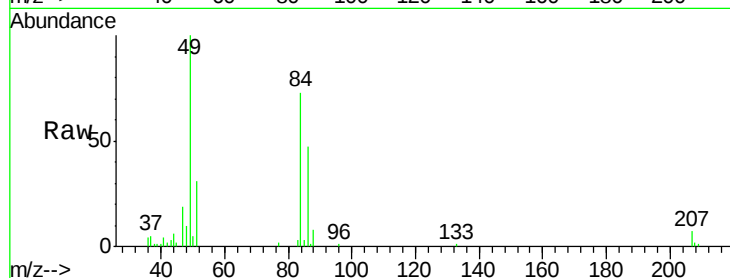
Tot Ion: 84 Resp: 15958

Ion Ratio Lower Upper

84 100

86 65.1 45.2 84.0

49 137.5 83.6 155.2



Abundance

Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

