

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062019\
 Data File : VU032889.D
 Acq On : 20 Jun 2019 09:48
 Operator : JC/SP
 Sample : K3414-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALM4

Quant Time: Jun 21 05:50:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 21 05:28:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	88580	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	87662	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	47442	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	24534	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.68	69	21279	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.27	63	37955	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	4.19	46	93387	58.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.20%
24) Chloroform-d	4.64	84	57975	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.20%
26) 1,2-Dichloroethane-d4	5.31	65	31939	5.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.60%
32) Benzene-d6	5.33	84	102025	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.32	67	34807	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.56	98	91956	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.85	79	13599	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.31	63	74146	51.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	30272	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	40514	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

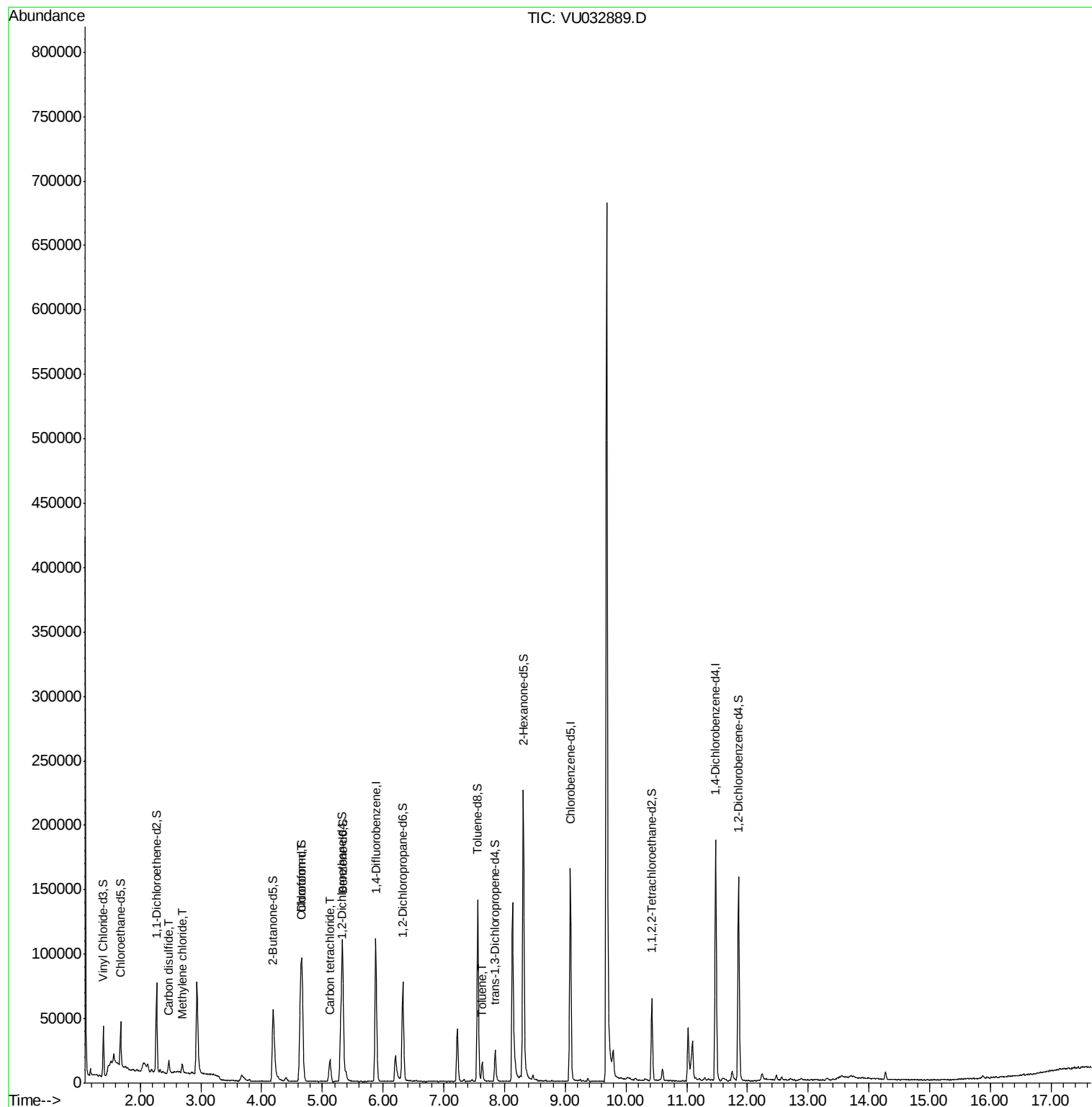
Target Compounds					Ovalue
14) Carbon disulfide	2.47	76	12027	0.667 ug/L	95
16) Methylene chloride	2.69	84	2408	0.386 ug/L	95
25) Chloroform	4.67	83	68791	6.195 ug/L	100
31) Carbon tetrachloride	5.13	117	12005	1.236 ug/L	98
42) Toluene	7.63	91	10755	0.373 ug/L	100

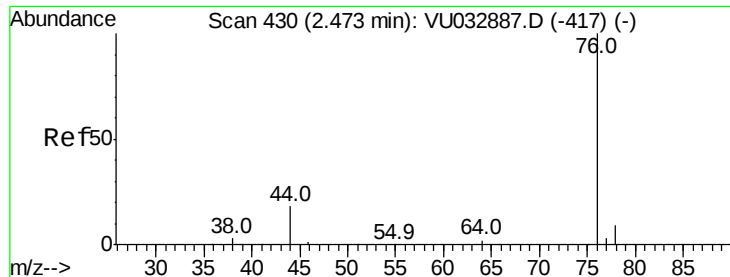
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Carbon disulfide

Concen: 0.667 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032889.D

Acq: 20 Jun 2019 09:48

Instrument :

MSVOA_U

ClientSampled :

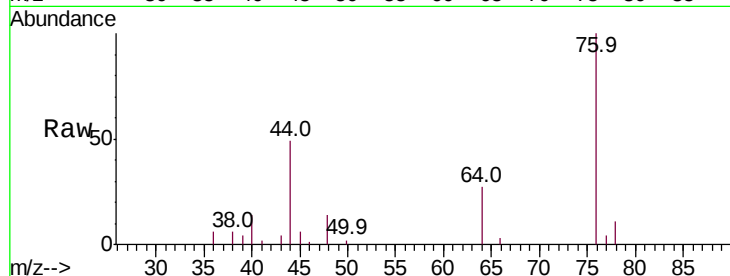
GALM4

Tot Ion: 76 Resp: 12027

Ion Ratio Lower Upper

76 100

78 10.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.47

8000

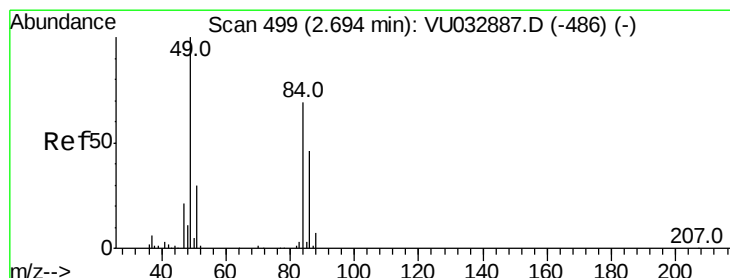
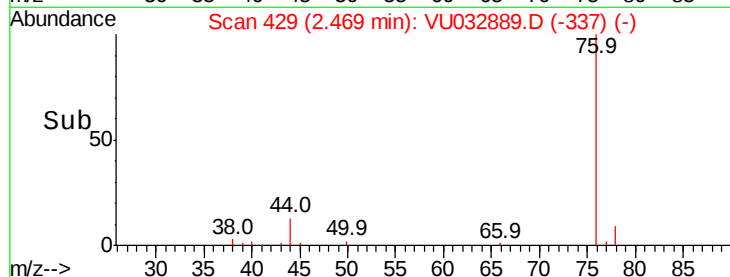
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 0.386 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU032889.D

Acq: 20 Jun 2019 09:48

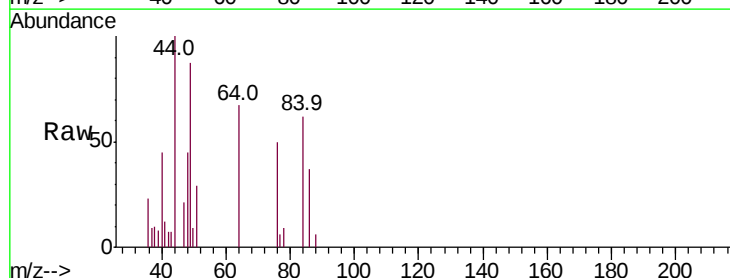
Tgt Ion: 84 Resp: 2408

Ion Ratio Lower Upper

84 100

86 59.7 47.2 87.6

49 140.7 95.9 178.1



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

2500

2000

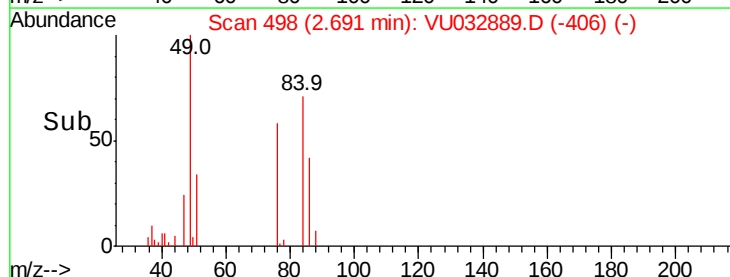
1500

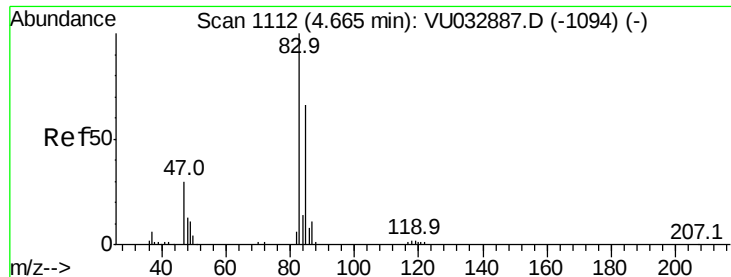
1000

500

0

Time-->

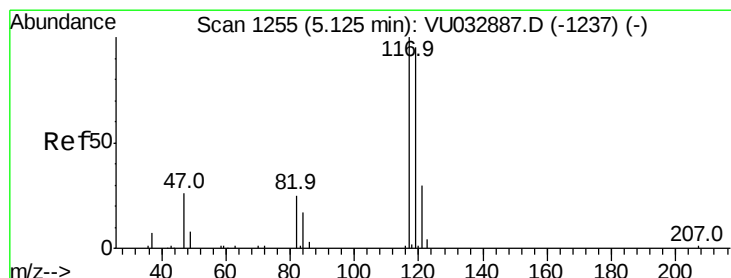
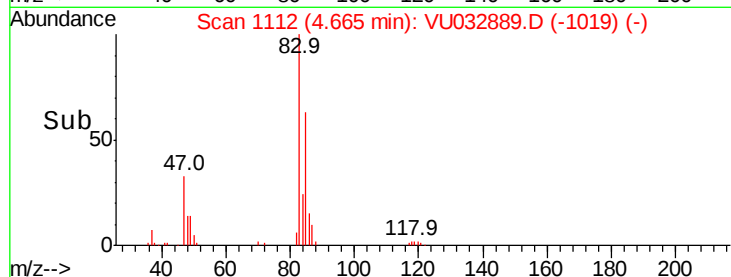
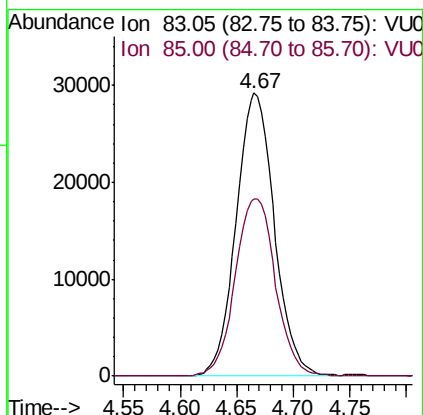
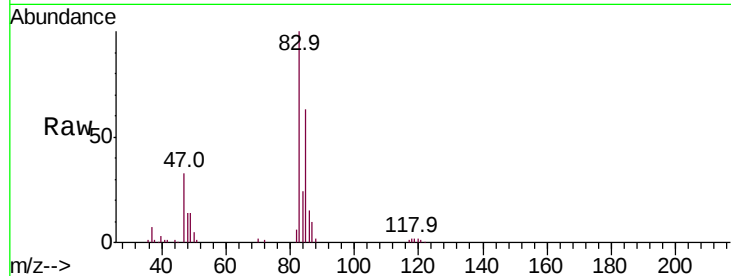




#25
Chloroform
Concen: 6.195 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032889.D
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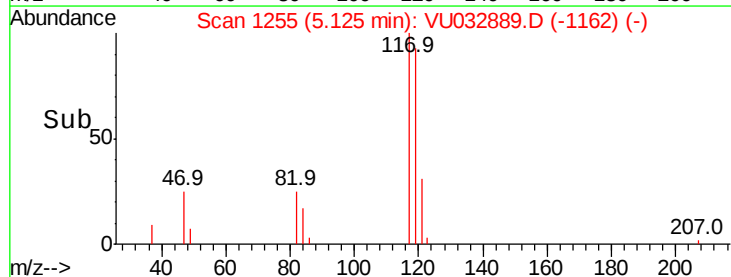
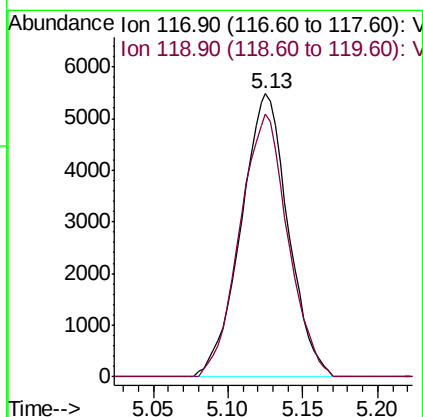
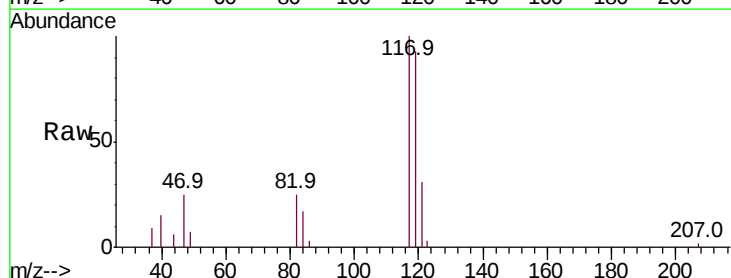
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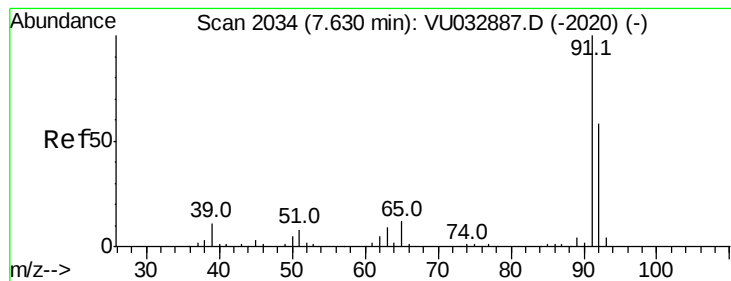
Tot Ion: 83 Resp: 68791
Ion Ratio Lower Upper
83 100
85 62.7 43.8 81.3



#31
Carbon tetrachloride
Concen: 1.236 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VU032889.D
Acq: 20 Jun 2019 09:48

Tgt Ion: 117 Resp: 12005
Ion Ratio Lower Upper
117 100
119 94.7 77.8 116.6





#42

Toluene

Concen: 0.373 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032889.D

Acq: 20 Jun 2019 09:48

Instrument :

MSVOA_U

ClientSampleId :

GALM4

Tot Ion: 91 Resp: 10755

Ion Ratio Lower Upper

91 100

92 58.3 40.9 75.9

