

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111219\
 Data File : VU035690.D
 Acq On : 12 Nov 2019 10:38
 Operator : JC/SP
 Sample : VU1112WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 13 00:45:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 00:43:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	671182	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	651542	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	192763	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	209741	38.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.38%
7) Chloroethane-d5	1.93	69	187432	43.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.58%
11) 1,1-Dichloroethene-d2	2.59	63	258785	30.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.40%
21) 2-Butanone-d5	4.69	46	298323	94.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.21%
24) Chloroform-d	5.11	84	374969	44.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.58%
26) 1,2-Dichloroethane-d4	5.75	65	236334	46.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.16%
32) Benzene-d6	5.77	84	776779	45.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.48%
36) 1,2-Dichloropropane-d6	6.73	67	256162	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.02%
41) Toluene-d8	7.93	98	694424	43.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.70%
43) trans-1,3-Dichloropropene-	8.21	79	117805	46.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.86%
47) 2-Hexanone-d5	8.68	63	187420	88.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.79%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	349419	44.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.22%
64) 1,2-Dichlorobenzene-d4	12.22	152	188994	48.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.22%

Target Compounds

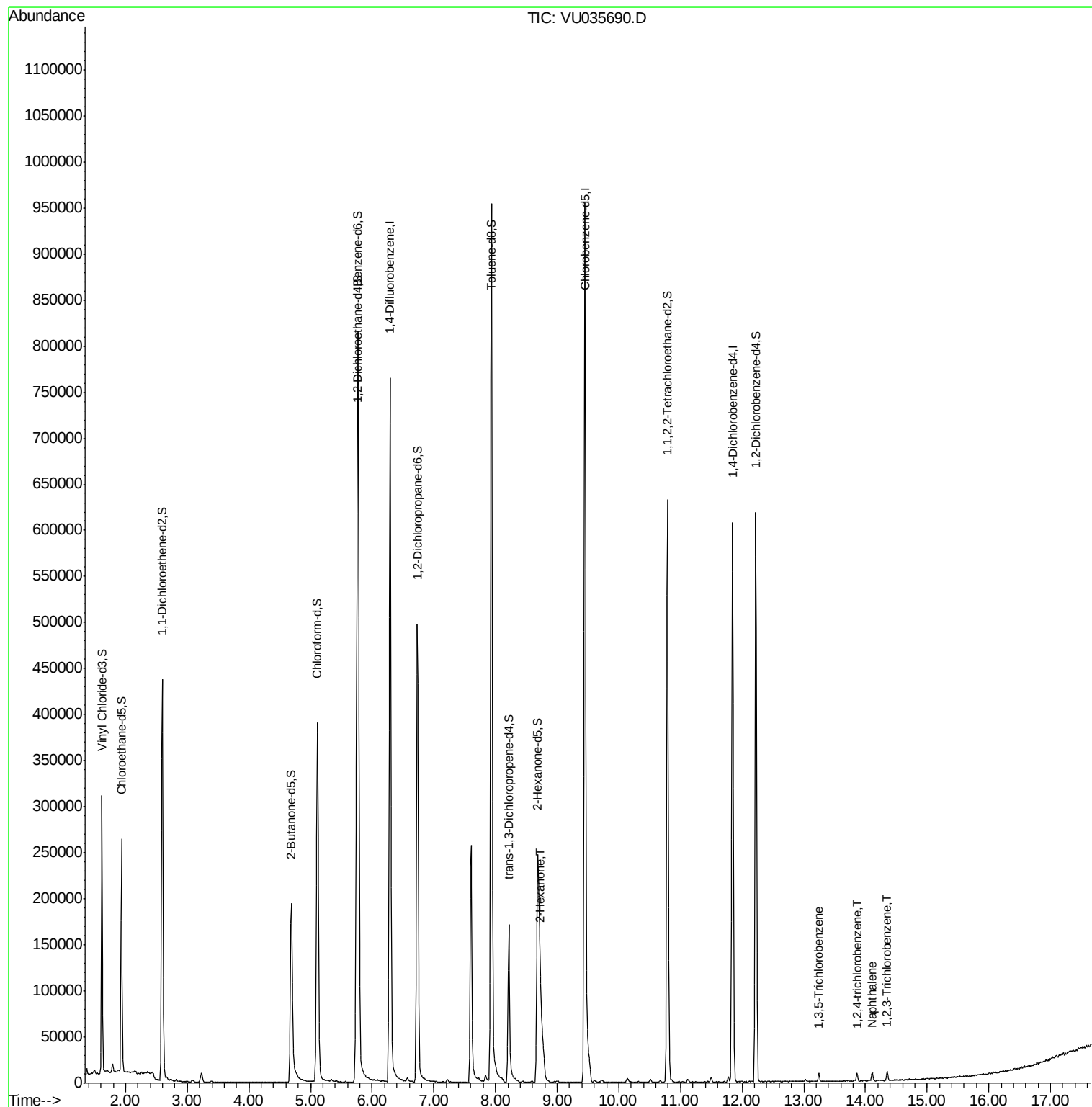
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
48) 2-Hexanone	8.74	43	24867	4.661	ug/L #	81
67) 1,3,5-Trichlorobenzene	13.24	180	3127	0.890	ug/L #	94
68) 1,2,4-trichlorobenzene	13.86	180	3199	1.359	ug/L #	94
69) Naphthalene	14.11	128	7404	1.227	ug/L #	89
70) 1,2,3-Trichlorobenzene	14.36	180	3895	1.536	ug/L	93

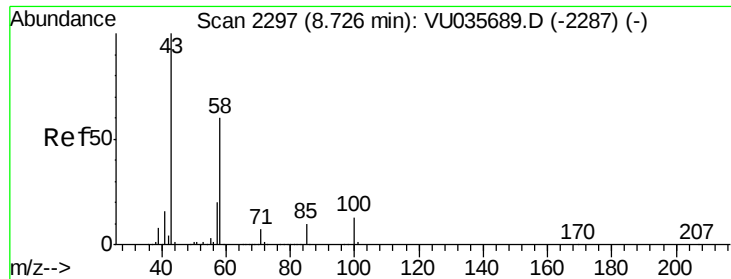
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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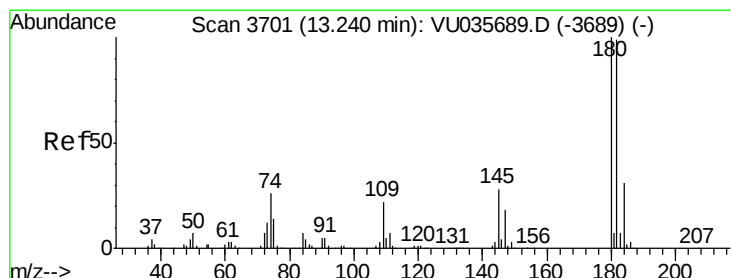
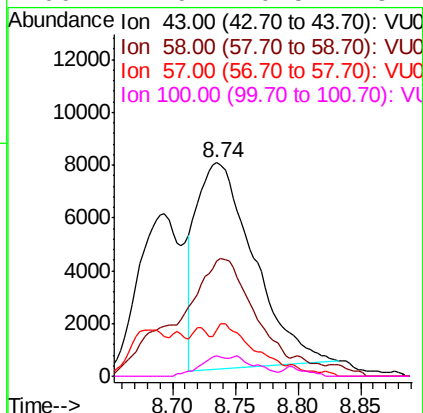
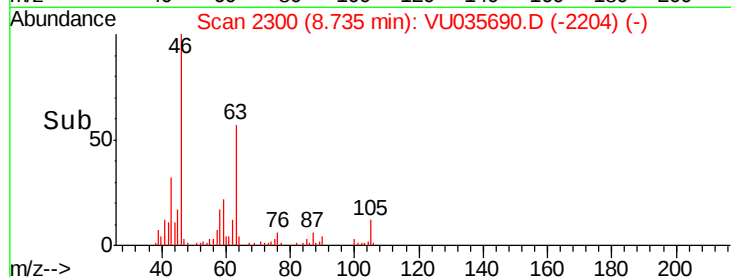
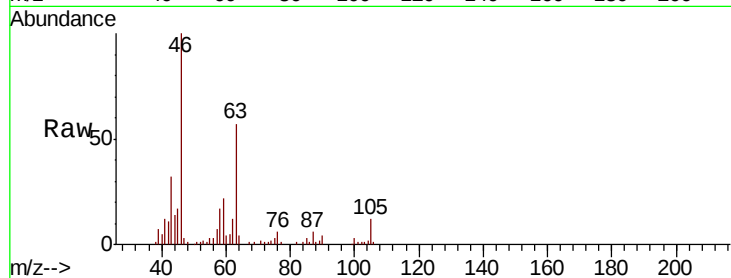




#48
2-Hexanone
Concen: 4.661 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. 0.01 min
Lab File: VU035690.D
Acq: 12 Nov 2019 10:38

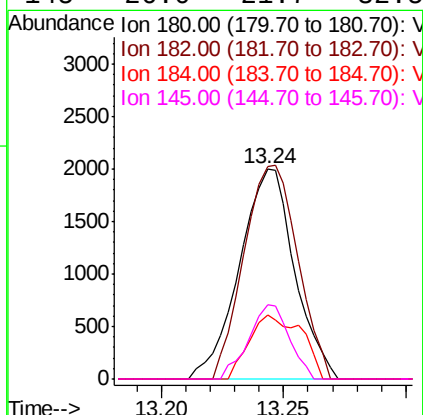
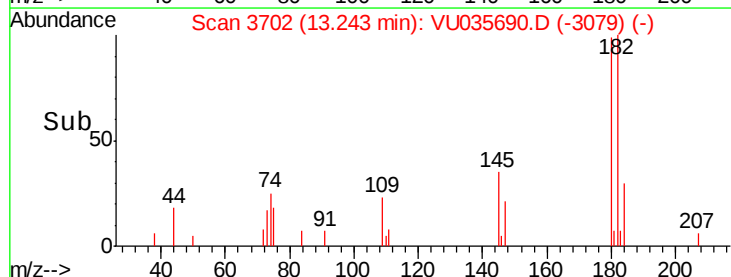
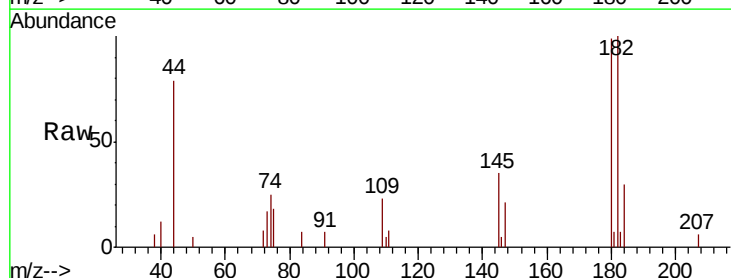
Instrument :
MSVOA_U
ClientSampled :

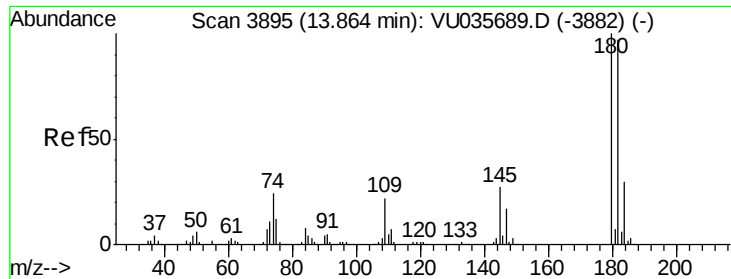
Tot Ion: 43 Resp: 24867
Ion Ratio Lower Upper
43 100
58 76.7 50.4 75.6#
57 10.9 17.4 26.0#
100 4.9 10.5 15.7#



#67
1,3,5-Trichlorobenzene
Concen: 0.890 ug/L
RT: 13.24 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VU035690.D
Acq: 12 Nov 2019 10:38

Tgt Ion: 180 Resp: 3127
Ion Ratio Lower Upper
180 100
182 99.1 77.0 115.4
184 21.6 24.6 36.8#
145 26.0 21.7 32.5





#68

1,2,4-trichlorobenzene

Concen: 1.359 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. 0.00 min

Lab File: VU035690.D

Acq: 12 Nov 2019 10:38

Instrument :

MSVOA_U

ClientSampleId :

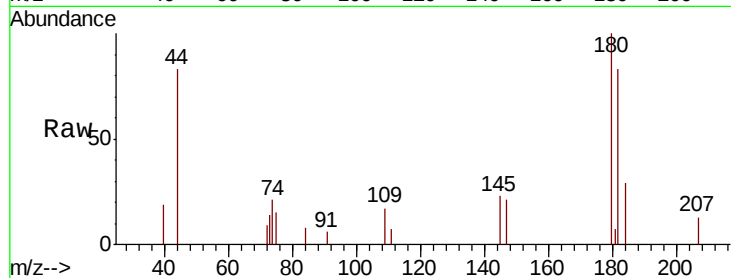
Tot Ion:180 Resp: 3199

Ion Ratio Lower Upper

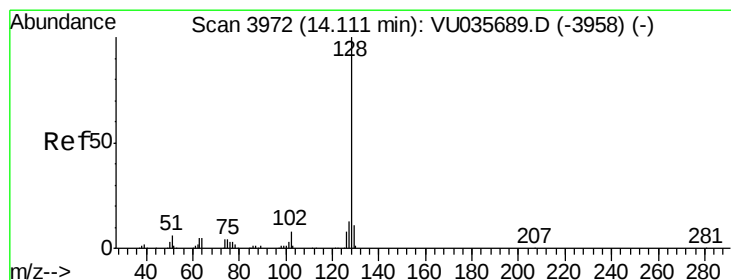
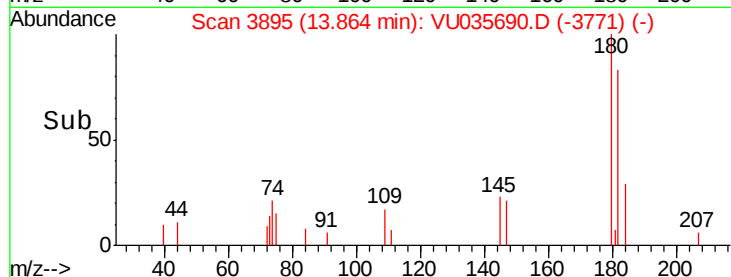
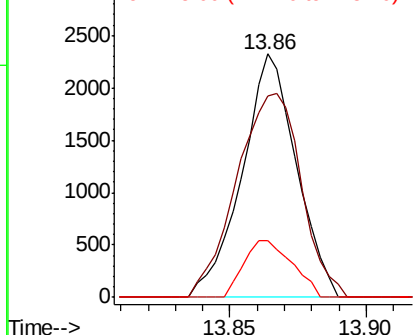
180 100

182 100.0 76.6 115.0

145 20.8 21.9 32.9#



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 1.227 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035690.D

Acq: 12 Nov 2019 10:38

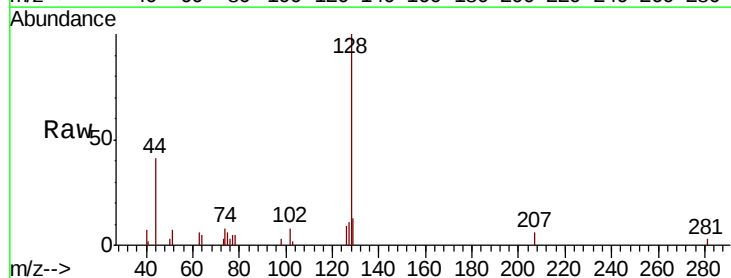
Tgt Ion:128 Resp: 7404

Ion Ratio Lower Upper

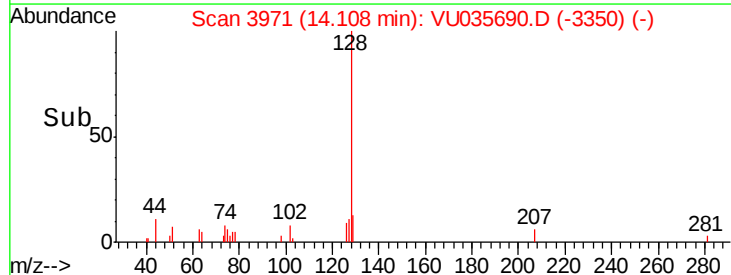
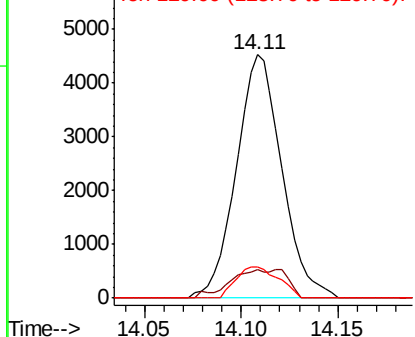
128 100

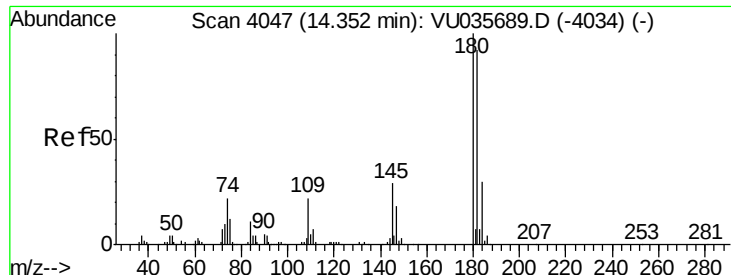
127 6.9 10.7 16.1#

129 11.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 1.536 ug/L
 RT: 14.36 min Scan# 4048
 Delta R.T. 0.00 min
 Lab File: VU035690.D
 Acq: 12 Nov 2019 10:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.6	77.6	116.4
145	32.6	23.4	35.0

