

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082418\
 Data File : VU026350.D
 Acq On : 24 Aug 2018 21:45
 Operator : MD/SY
 Sample : J4644-18 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 25 04:29:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 04:25:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	226645	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	220978	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	105400	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74123	53.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.24%
7) Chloroethane-d5	1.68	69	60998	54.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.22%
11) 1,1-Dichloroethene-d2	2.27	63	112270	41.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.64%
21) 2-Butanone-d5	4.18	46	136150	123.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.40%
24) Chloroform-d	4.65	84	175727	57.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.06%
26) 1,2-Dichloroethane-d4	5.31	65	118799	59.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.50%
32) Benzene-d6	5.35	84	337442	57.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.16%
36) 1,2-Dichloropropane-d6	6.33	67	113314	59.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	119.40%
41) Toluene-d8	7.57	98	303198	53.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.32%
43) trans-1,3-Dichloropropene-	7.85	79	52786	53.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.64%
47) 2-Hexanone-d5	8.31	63	95354	117.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	161005	57.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.62%
64) 1,2-Dichlorobenzene-d4	11.86	152	132476	59.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.46%

Target Compounds

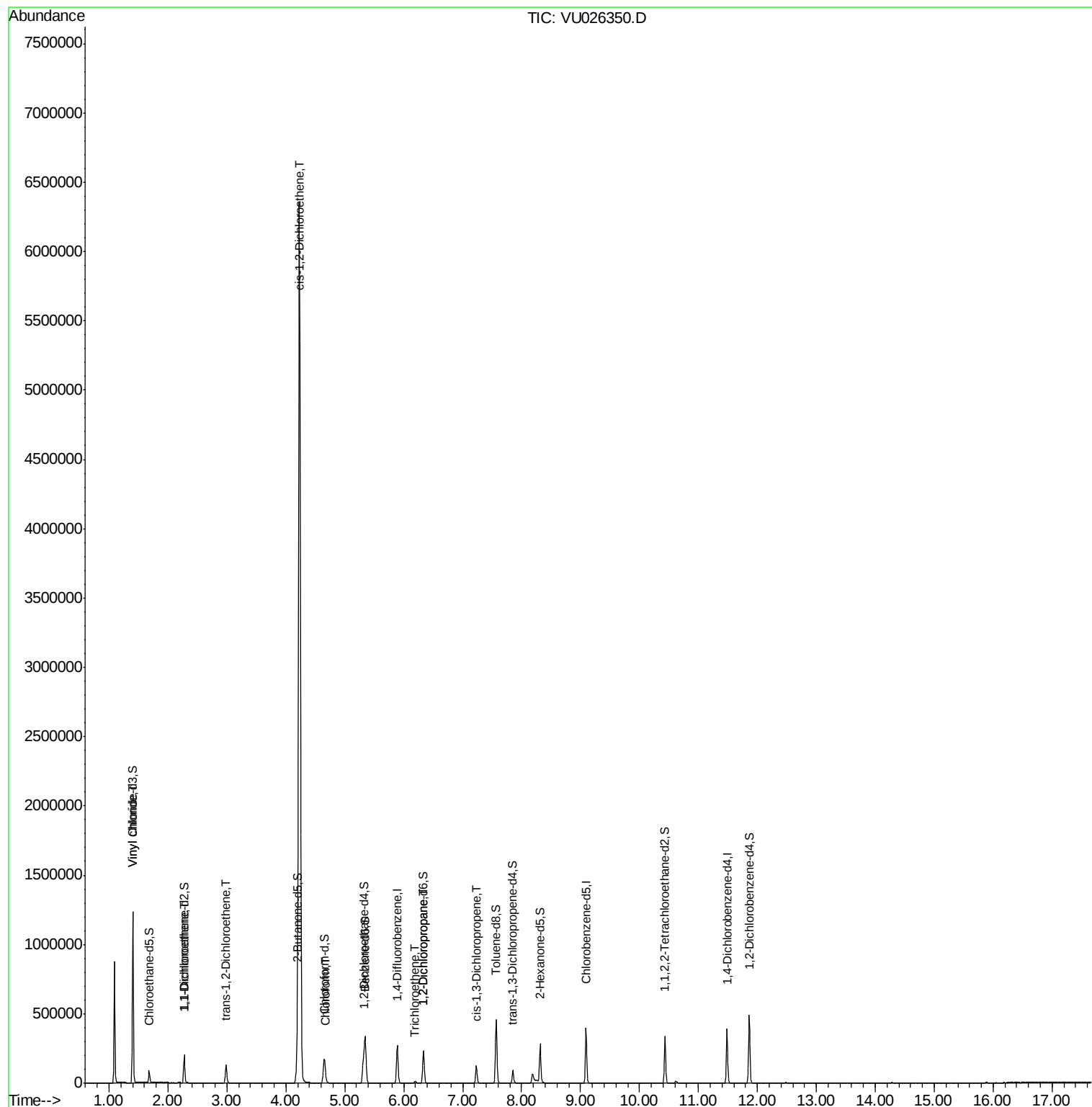
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	709252	429.031	ug/L	95
12) 1,1-Dichloroethene	2.29	96	2338	1.960	ug/L #	1
17) trans-1,2-Dichloroethene	2.99	96	53498	36.385	ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	3636452	2240.605	ug/L	98
25) Chloroform	4.68	83	6245	2.185	ug/L	92
34) Trichloroethene	6.19	95	4716	2.960	ug/L	94
37) 1,2-Dichloropropane	6.34	63	12853	7.807	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	3149	1.259	ug/L #	64

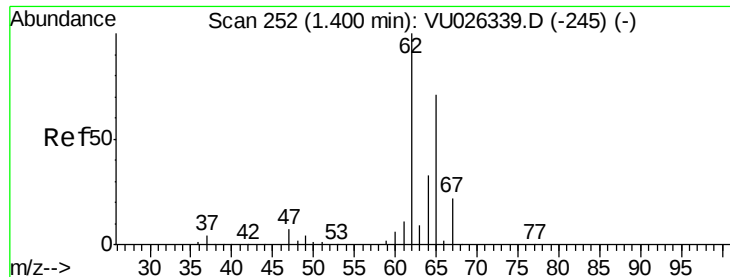
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 25 04:25:01 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 429.031 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026350.D

Acq: 24 Aug 2018 21:45

Instrument :

MSVOA_U

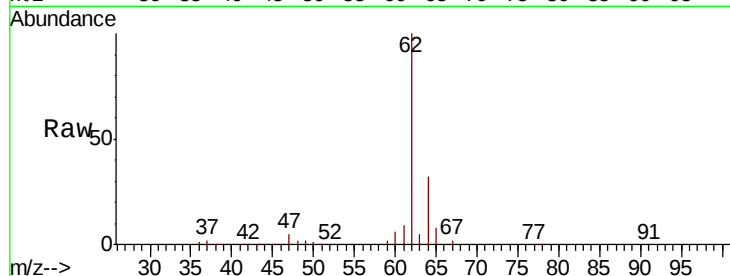
ClientSampleId :

Tot Ion: 62 Resp: 709252

Ion Ratio Lower Upper

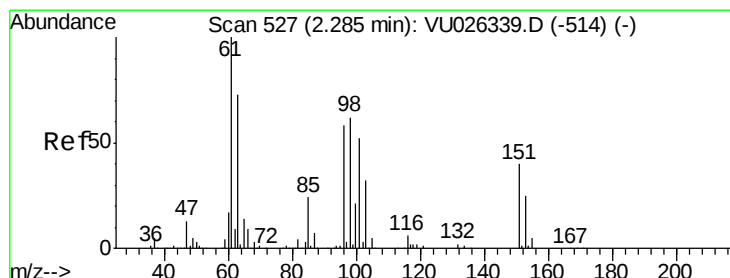
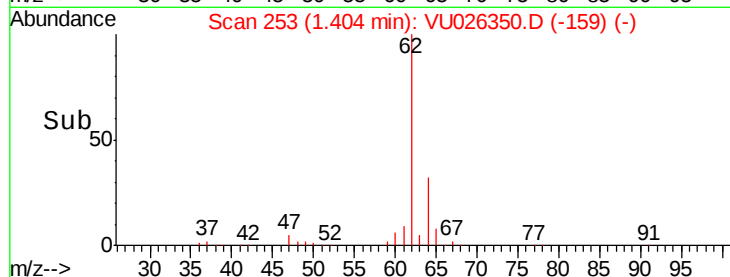
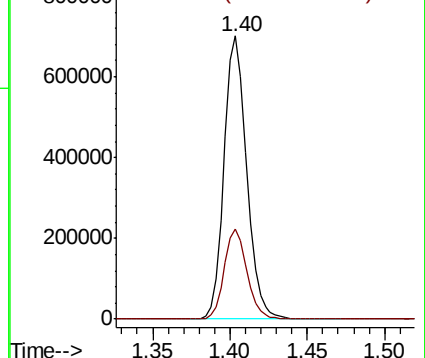
62 100

64 31.7 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#12

1,1-Dichloroethene

Concen: 1.960 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026350.D

Acq: 24 Aug 2018 21:45

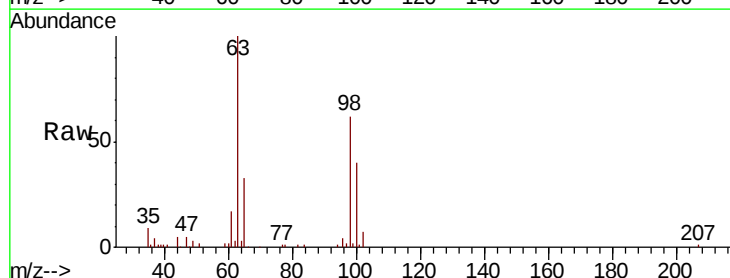
Tgt Ion: 96 Resp: 2338

Ion Ratio Lower Upper

96 100

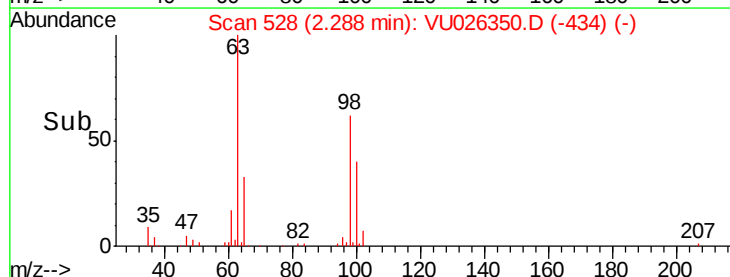
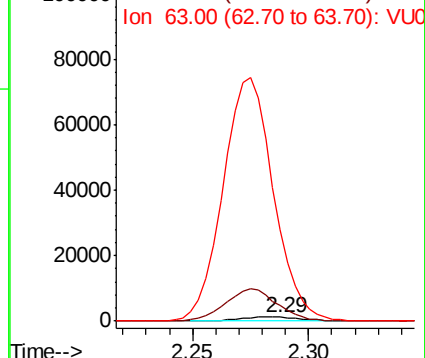
61 385.3 124.7 231.5#

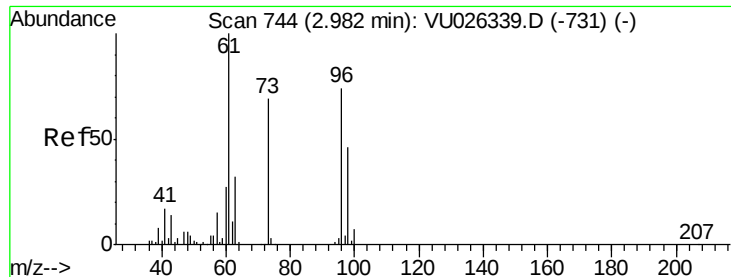
63 2305.2 93.7 174.1#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 36.385 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026350.D

Acq: 24 Aug 2018 21:45

Instrument :

MSVOA_U

ClientSampled :

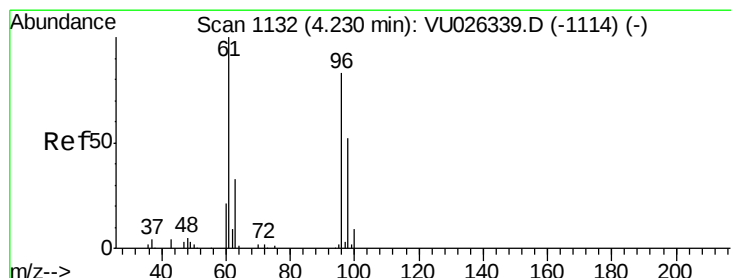
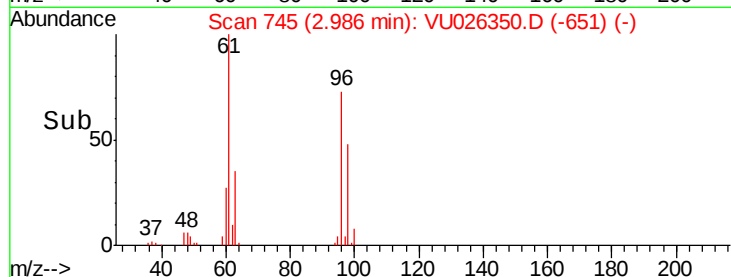
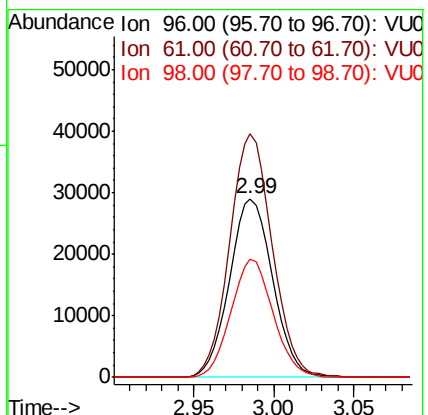
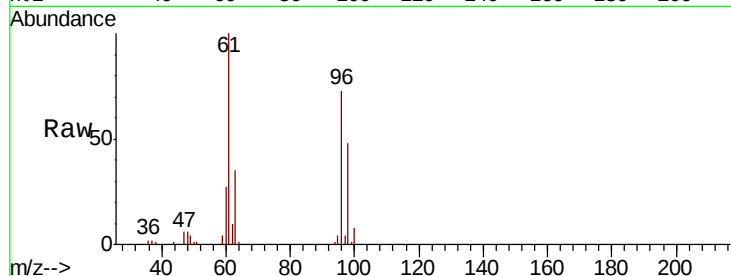
Tot Ion: 96 Resp: 53498

Ion Ratio Lower Upper

96 100

61 136.4 97.9 181.9

98 66.0 45.1 83.7



#20

cis-1,2-Dichloroethene

Concen: 2240.605 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026350.D

Acq: 24 Aug 2018 21:45

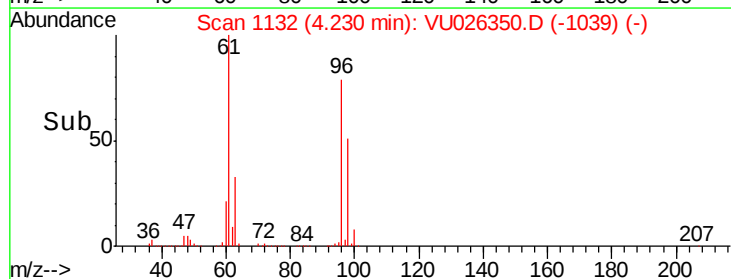
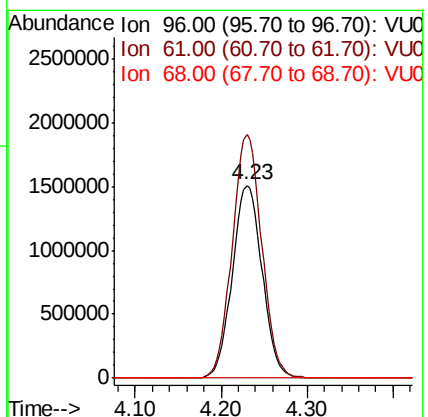
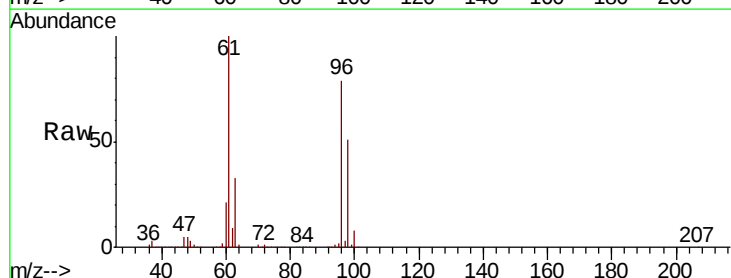
Tgt Ion: 96 Resp: 3636452

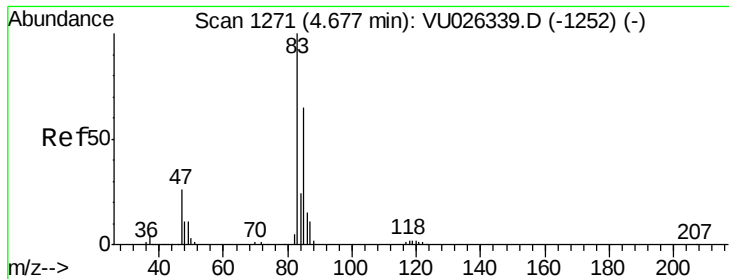
Ion Ratio Lower Upper

96 100

61 126.2 90.3 167.7

68 0.0 0.0 0.0





#25

Chloroform

Concen: 2.185 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU026350.D

Acq: 24 Aug 2018 21:45

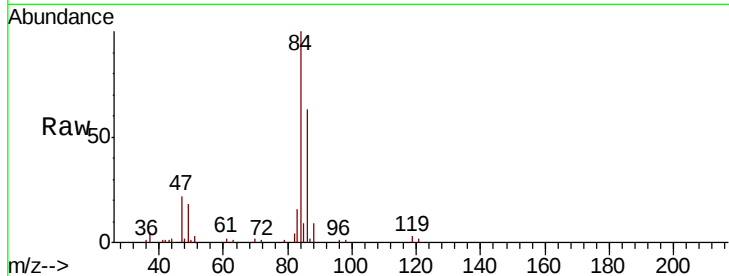
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 6245

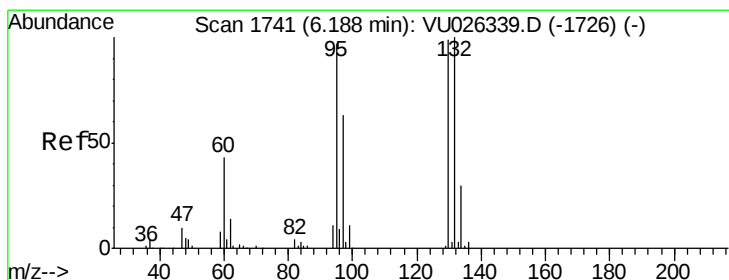
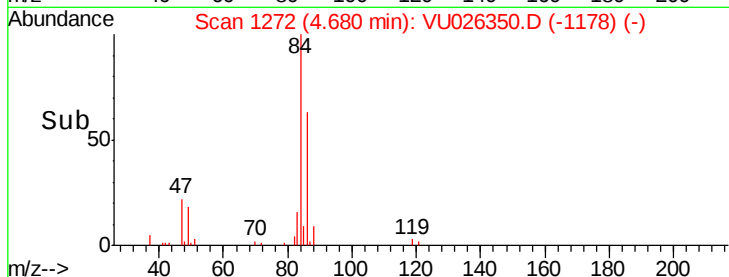
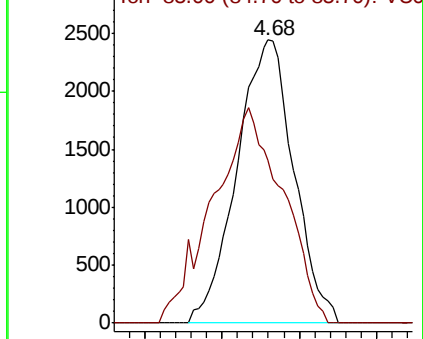
Ion Ratio Lower Upper

83 100

85 57.7 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



#34

Trichloroethene

Concen: 2.960 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026350.D

Acq: 24 Aug 2018 21:45

Tgt Ion: 95 Resp: 4716

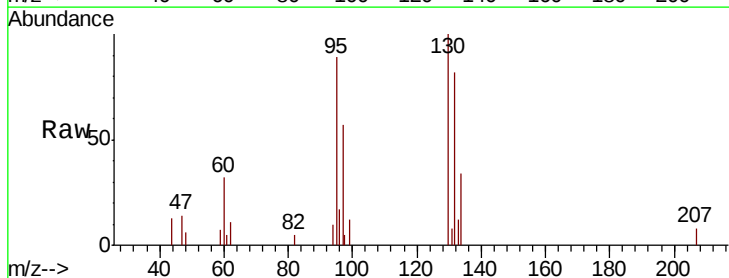
Ion Ratio Lower Upper

95 100

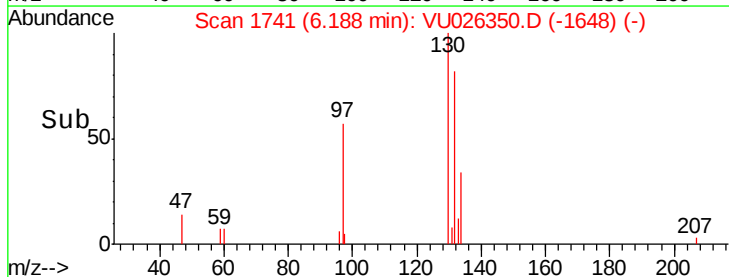
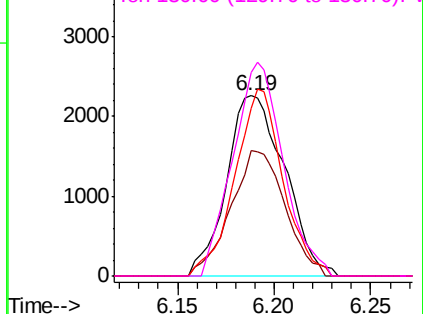
97 69.4 47.2 87.6

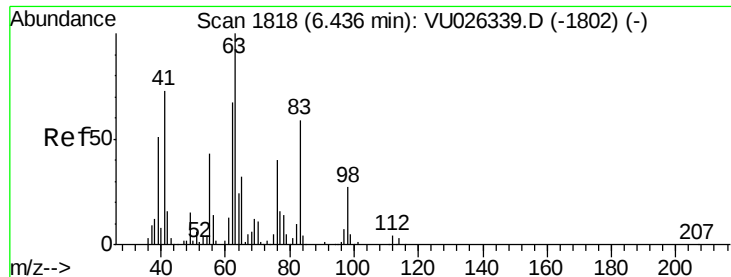
132 92.8 70.2 130.4

130 112.9 73.4 136.4



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 97.00 (96.70 to 97.70): VU0
Ion 132.00 (131.70 to 132.70): V
Ion 130.00 (129.70 to 130.70): V

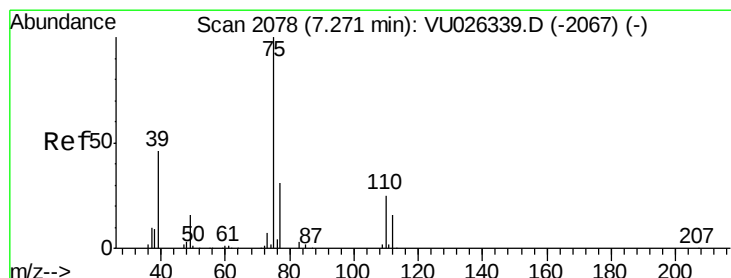
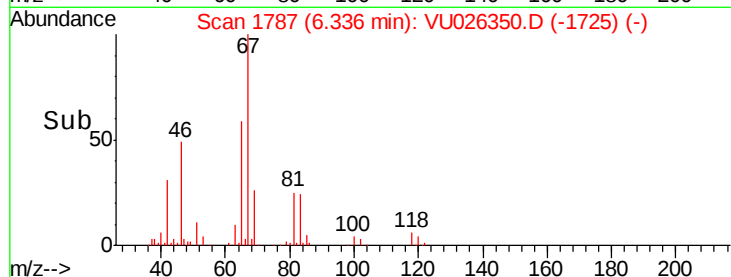
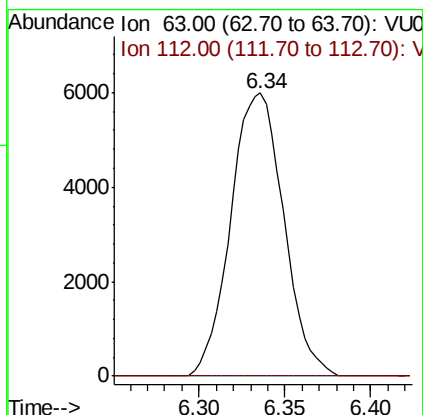
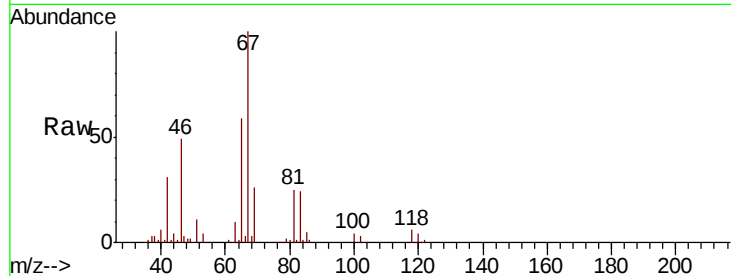




#37
 1,2-Dichloropropane
 Concen: 7.807 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU026350.D
 Acq: 24 Aug 2018 21:45

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 12853
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 1.259 ug/L
 RT: 7.23 min Scan# 2065
 Delta R.T. -0.04 min
 Lab File: VU026350.D
 Acq: 24 Aug 2018 21:45

Tgt Ion: 75 Resp: 3149
 Ion Ratio Lower Upper
 75 100
 77 51.2 22.0 40.8#

