

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122019\
 Data File : VU036318.D
 Acq On : 20 Dec 2019 15:16
 Operator : JC/MD
 Sample : K6282-11DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW7DL

Quant Time: Dec 20 22:24:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 20 22:20:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	237272	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	261242	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	108847	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	94091	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.93	69	88436	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.59	63	101904	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.68	46	181917	46.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.94%
24) Chloroform-d	5.11	84	154007	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.75	65	82394	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.77	84	278355	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.73	67	91047	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.93	98	227858	3.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.80%
43) trans-1,3-Dichloropropene-	8.21	79	34218	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.67	63	140468	43.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.30%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	82299	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	95017	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

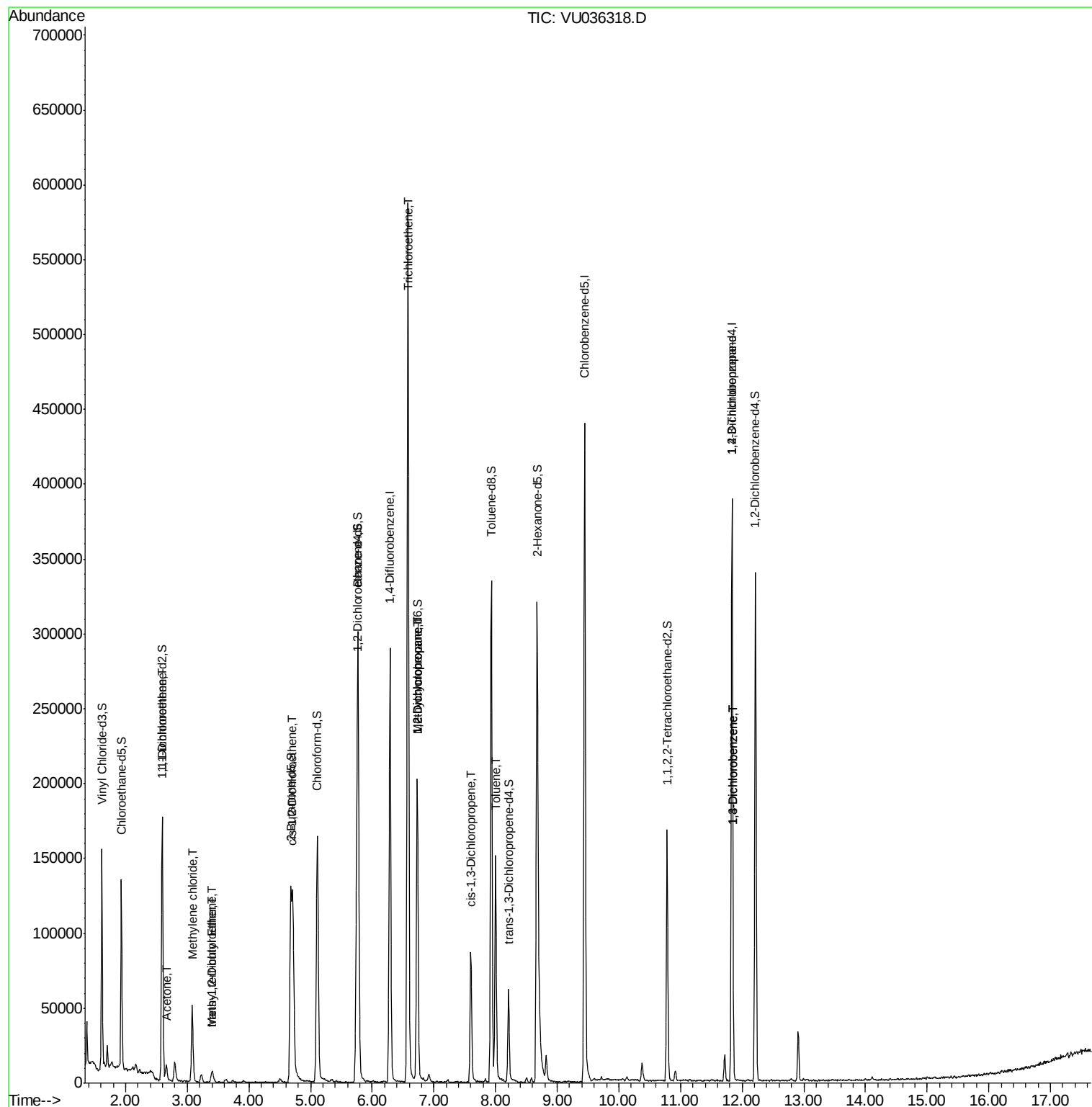
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	2270	0.129	ug/L #	1
13) Acetone	2.66	43	12218	3.581	ug/L	94
16) Methylene chloride	3.08	84	25886	1.000	ug/L	97
17) Methyl tert-butyl Ether	3.41	73	6135	0.163	ug/L #	89
18) trans-1,2-Dichloroethene	3.39	96	1585	0.086	ug/L	91
22) cis-1,2-Dichloroethene	4.72	96	55022	2.782	ug/L	95
34) Trichloroethene	6.58	95	198602	9.595	ug/L	97
35) Methylcyclohexane	6.73	83	22844	0.776	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	10007	0.489	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2403	0.086	ug/L #	73
42) Toluene	8.00	91	110680	1.286	ug/L	96
59) 1,2,3-Trichloropropane	11.83	75	12038	0.884	ug/L	94
62) 1,3-Dichlorobenzene	11.86	146	3321	0.090	ug/L #	91
63) 1,4-Dichlorobenzene	11.86	146	3321	0.091	ug/L #	91

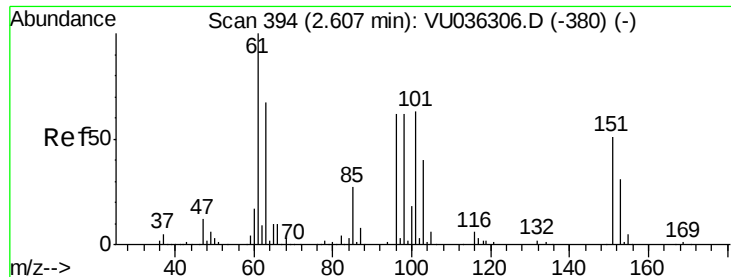
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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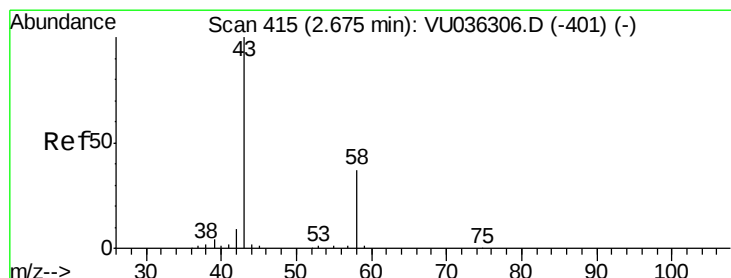
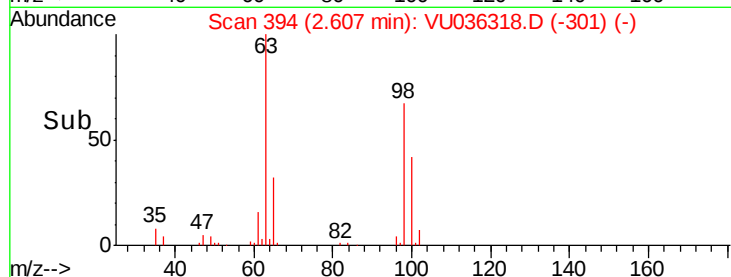
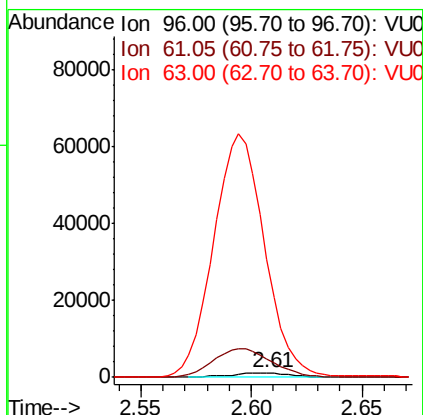
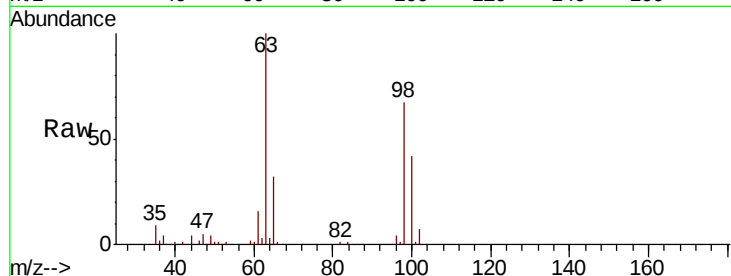




#12
 1,1-Dichloroethene
 Concen: 0.129 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU036318.D
 Acq: 20 Dec 2019 15:16

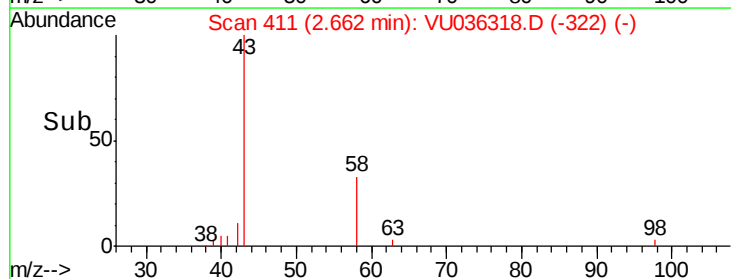
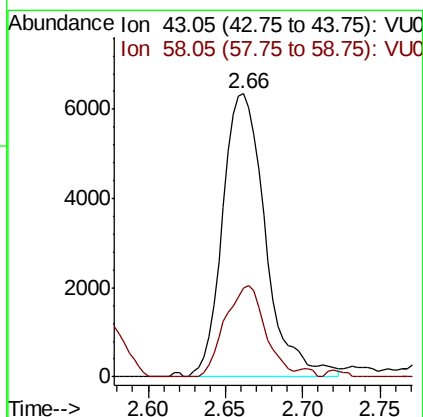
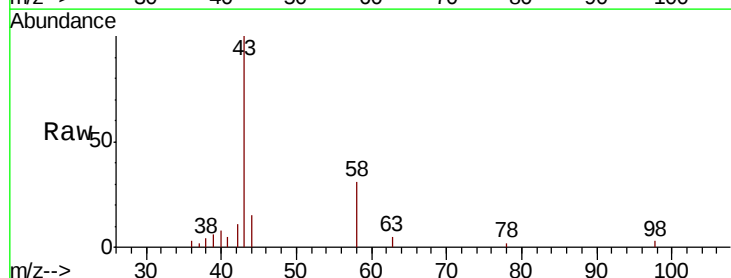
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW7DL

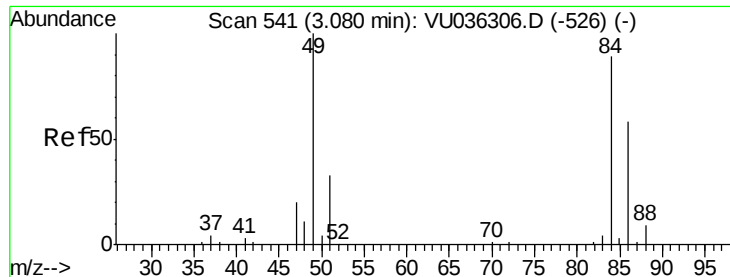
Tot Ion: 96 Resp: 2270
 Ion Ratio Lower Upper
 96 100
 61 387.8 114.0 211.8#
 63 2447.0 63.6 118.0#



#13
 Acetone
 Concen: 3.581 ug/L
 RT: 2.66 min Scan# 411
 Delta R.T. -0.01 min
 Lab File: VU036318.D
 Acq: 20 Dec 2019 15:16

Tgt Ion: 43 Resp: 12218
 Ion Ratio Lower Upper
 43 100
 58 30.2 0.0 67.6

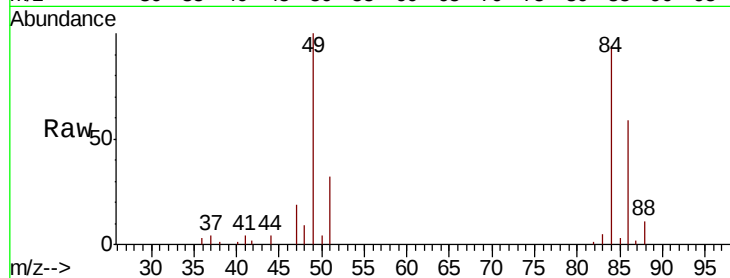




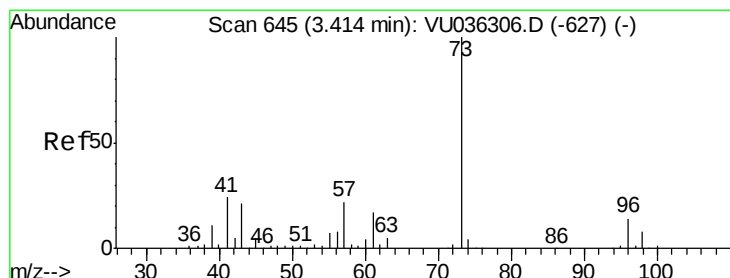
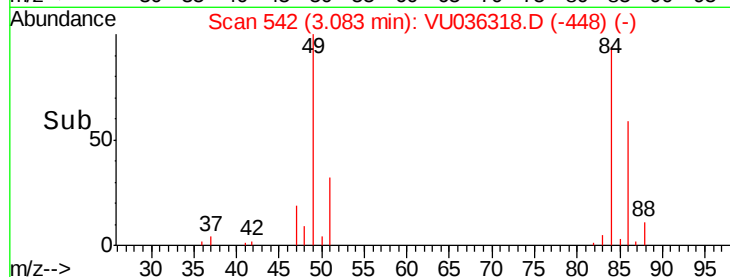
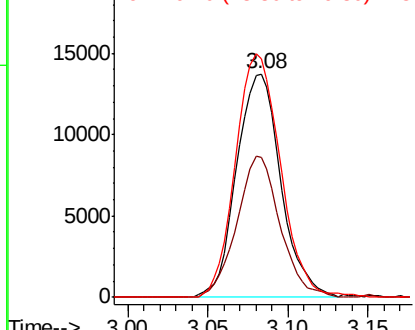
#16
Methylene chloride
Concen: 1.000 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036318.D
Acq: 20 Dec 2019 15:16

Instrument :
MSVOA_U
ClientSampleId :
BFDW7DL

Tot Ion: 84 Resp: 25886
Ion Ratio Lower Upper
84 100
86 62.6 43.0 79.8
49 106.9 77.3 143.5

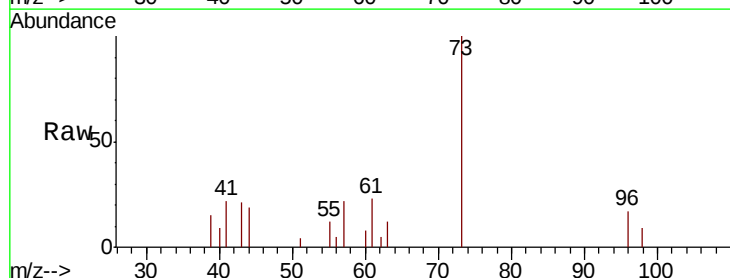


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

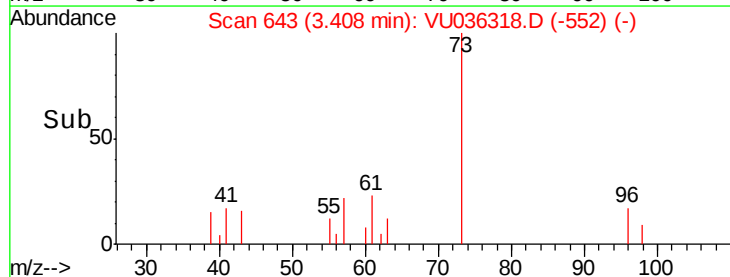
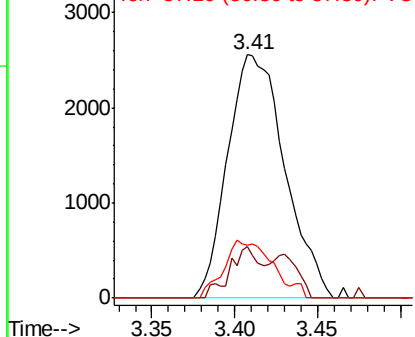


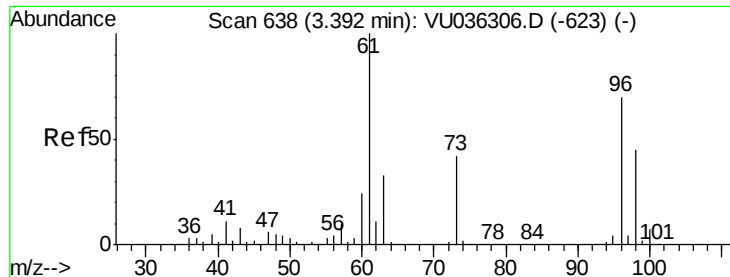
#17
Methyl tert-butyl Ether
Concen: 0.163 ug/L
RT: 3.41 min Scan# 643
Delta R.T. -0.01 min
Lab File: VU036318.D
Acq: 20 Dec 2019 15:16

Tgt Ion: 73 Resp: 6135
Ion Ratio Lower Upper
73 100
43 11.0 15.3 22.9#
57 20.3 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

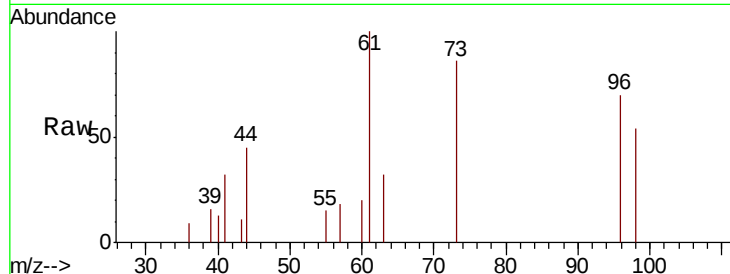




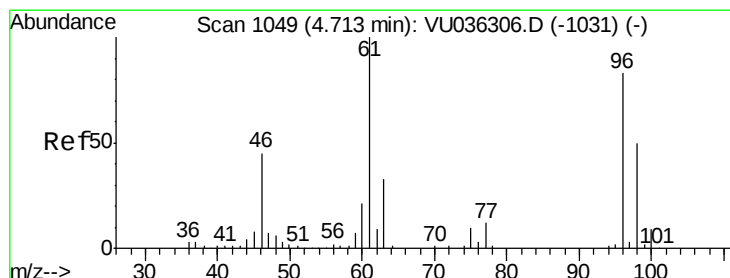
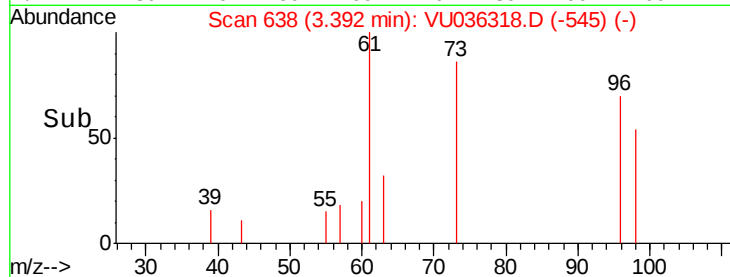
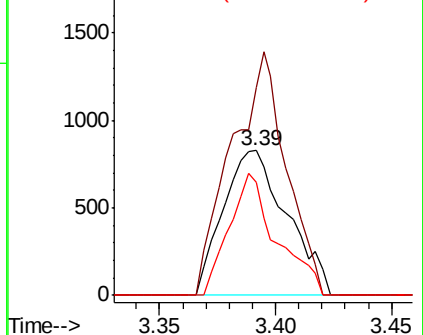
#18
trans-1,2-Dichloroethene
Concen: 0.086 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU036318.D
Acq: 20 Dec 2019 15:16

Instrument :
MSVOA_U
ClientSampleId :
BFDW7DL

Tot Ion: 96 Resp: 1585
Ion Ratio Lower Upper
96 100
61 143.7 94.8 176.2
98 78.0 46.8 86.8

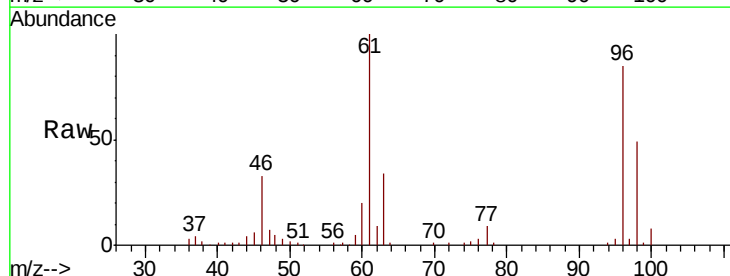


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

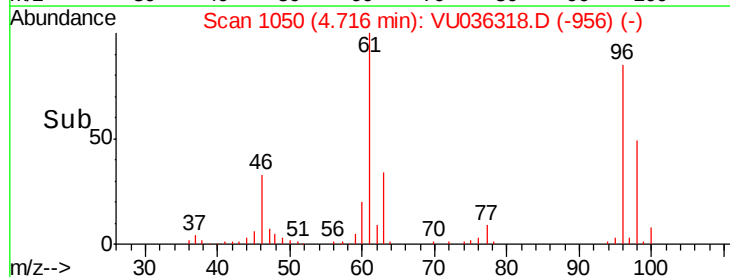
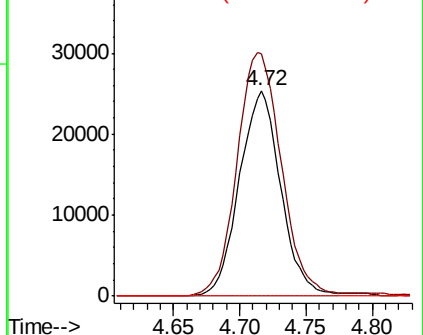


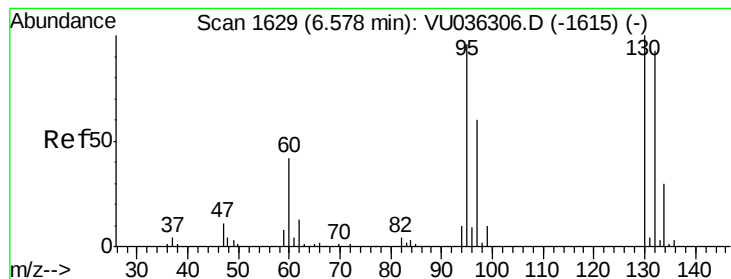
#22
cis-1,2-Dichloroethene
Concen: 2.782 ug/L
RT: 4.72 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU036318.D
Acq: 20 Dec 2019 15:16

Tgt Ion: 96 Resp: 55022
Ion Ratio Lower Upper
96 100
61 117.8 86.7 161.1
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0





#34

Trichloroethene

Concen: 9.595 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036318.D

Acq: 20 Dec 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

BFDW7DL

Tot Ion: 95 Resp: 198602

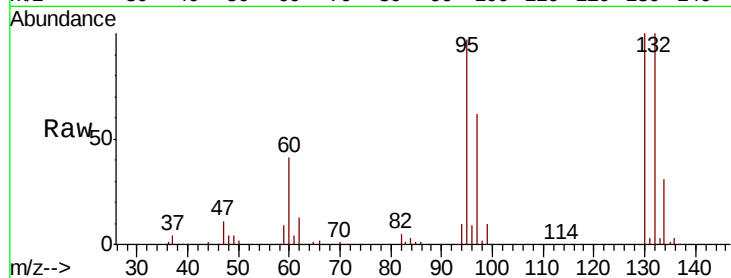
Ion Ratio Lower Upper

95 100

97 64.1 43.6 81.0

132 103.2 69.6 129.2

130 102.8 70.3 130.7

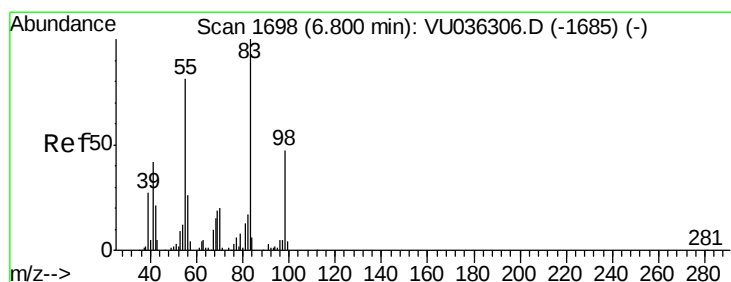
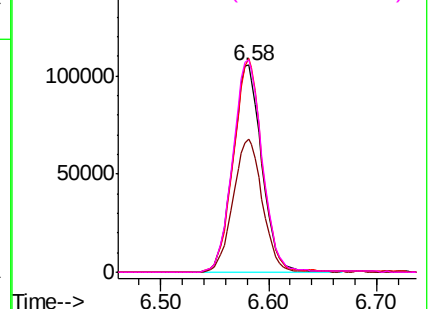
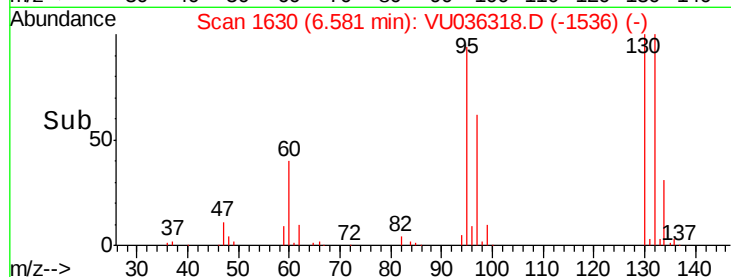


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.776 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.07 min

Lab File: VU036318.D

Acq: 20 Dec 2019 15:16

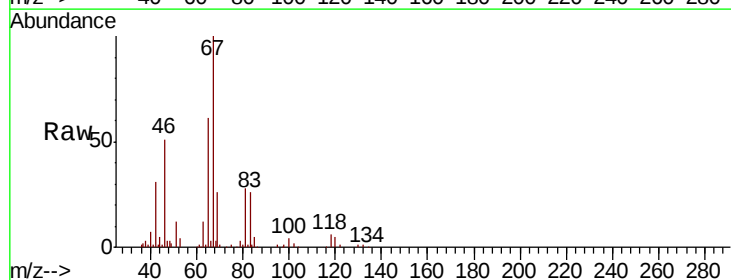
Tgt Ion: 83 Resp: 22844

Ion Ratio Lower Upper

83 100

55 0.3 62.6 94.0#

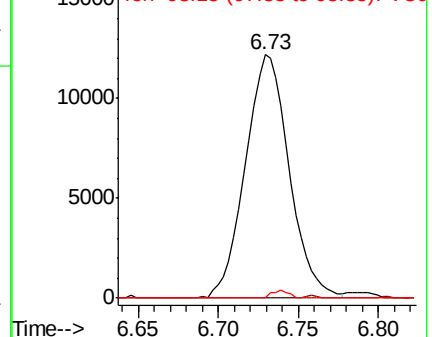
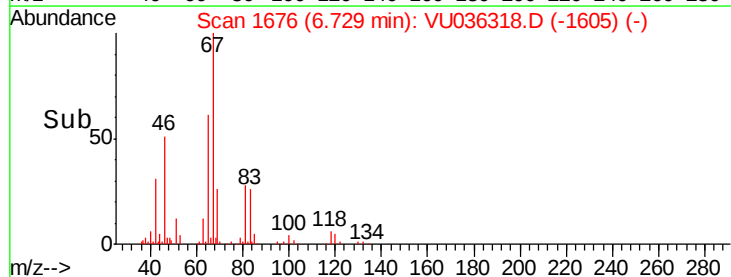
98 1.1 36.2 54.2#

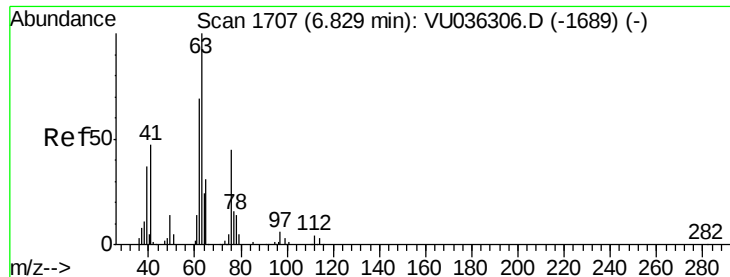


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.489 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036318.D

Acq: 20 Dec 2019 15:16

Instrument :

MSVOA_U

ClientSampleID :

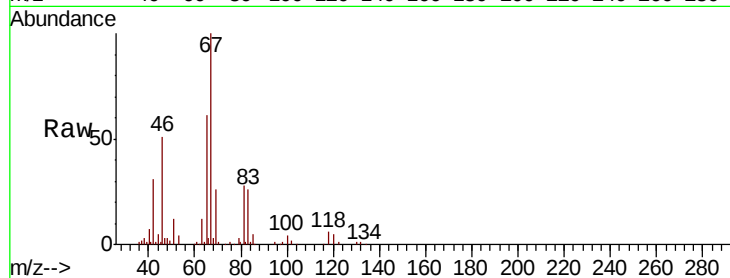
BFDW7DL

Tot Ion: 63 Resp: 10007

Ion Ratio Lower Upper

63 100

112 0.2 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036318.D (-1676) (-)

Ion 112.10 (111.80 to 112.80): VU036318.D (-1676) (-)

6.73

6000

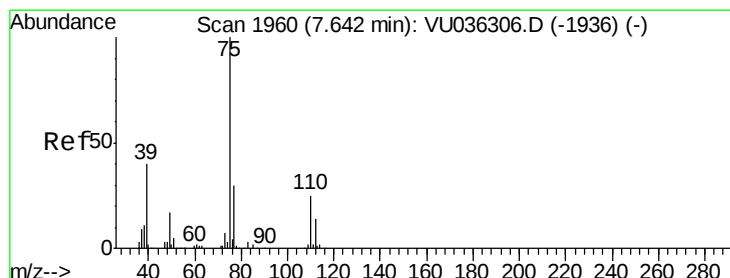
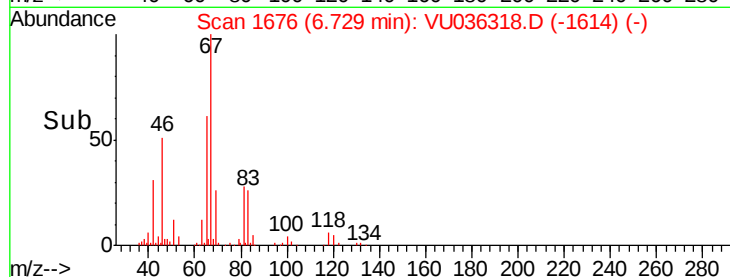
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU036318.D

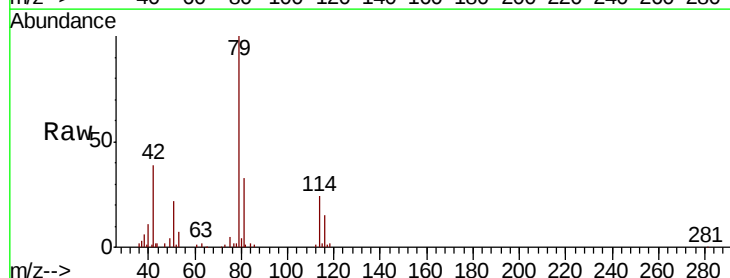
Acq: 20 Dec 2019 15:16

Tgt Ion: 75 Resp: 2403

Ion Ratio Lower Upper

75 100

77 47.7 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU036318.D (-1948) (-)

Ion 77.05 (76.75 to 77.75): VU036318.D (-1948) (-)

7.60

1500

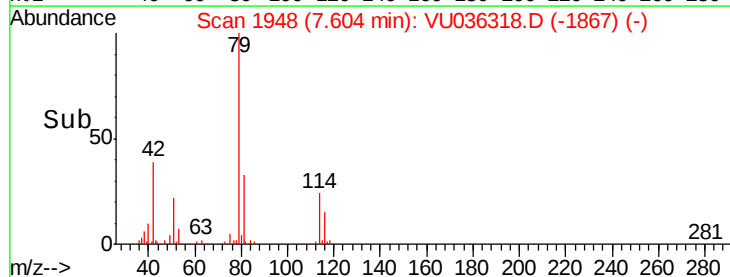
1000

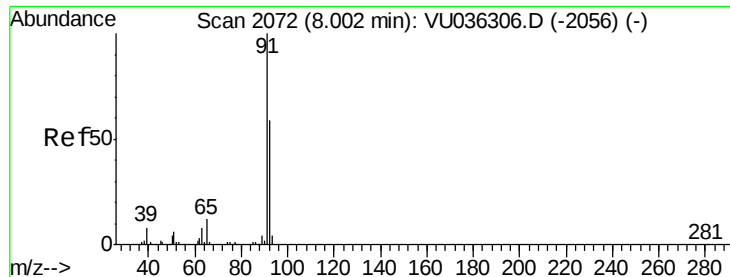
500

0

7.55 7.60 7.65

Time-->





#42

Toluene

Concen: 1.286 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036318.D

Acq: 20 Dec 2019 15:16

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ClientSampleId :

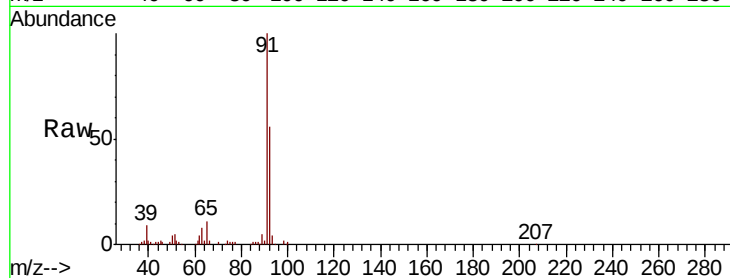
BFDW7DL

Tot Ion: 91 Resp: 110680

Ion Ratio Lower Upper

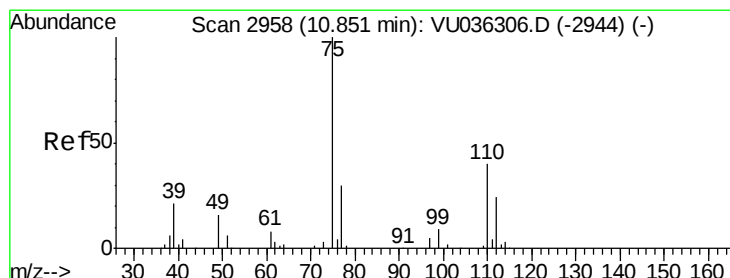
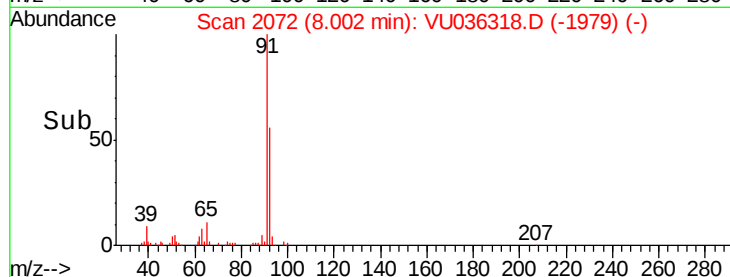
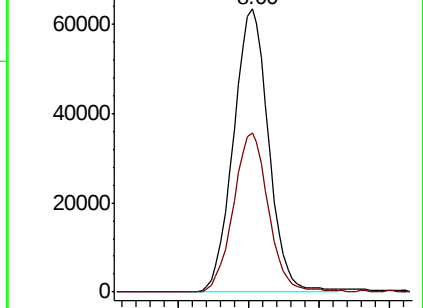
91 100

92 56.1 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU036318.D (-1979) (-)

Ion 92.15 (91.85 to 92.85): VU036318.D (-1979) (-)



#59

1,2,3-Trichloropropane

Concen: 0.884 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.98 min

Lab File: VU036318.D

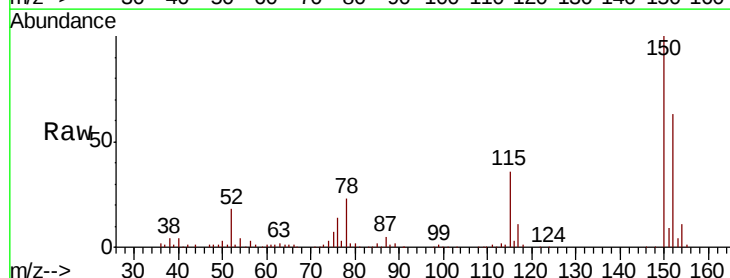
Acq: 20 Dec 2019 15:16

Tgt Ion: 75 Resp: 12038

Ion Ratio Lower Upper

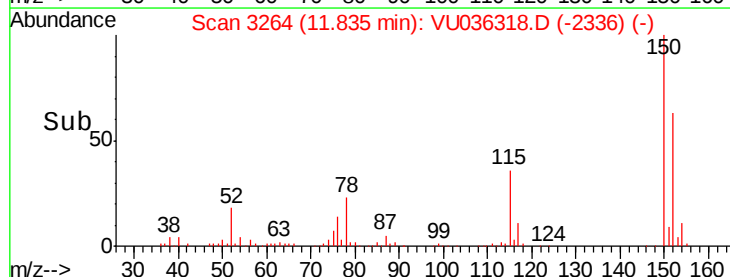
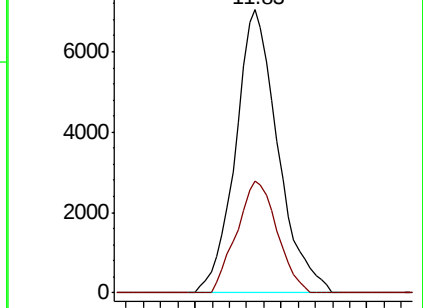
75 100

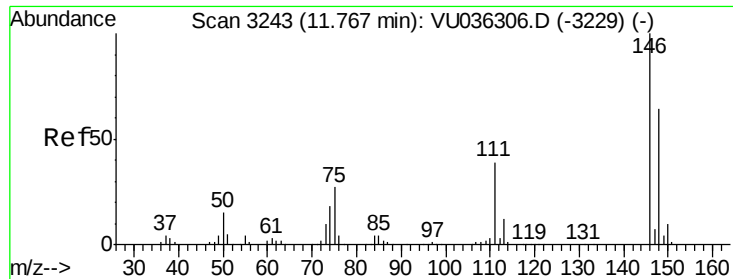
77 37.6 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU036318.D (-2336) (-)

Ion 77.00 (76.70 to 77.70): VU036318.D (-2336) (-)





#62

1,3-Dichlorobenzene

Concen: 0.090 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.09 min

Lab File: VU036318.D

Acq: 20 Dec 2019 15:16

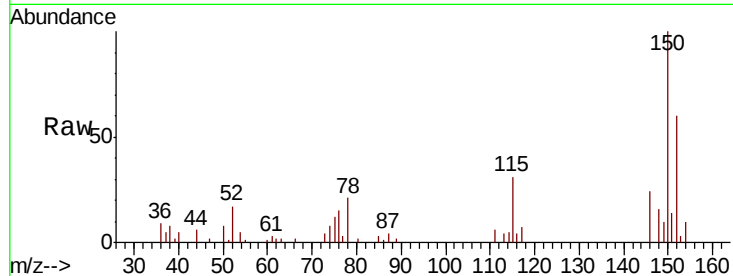
Instrument :

MSVOA_U

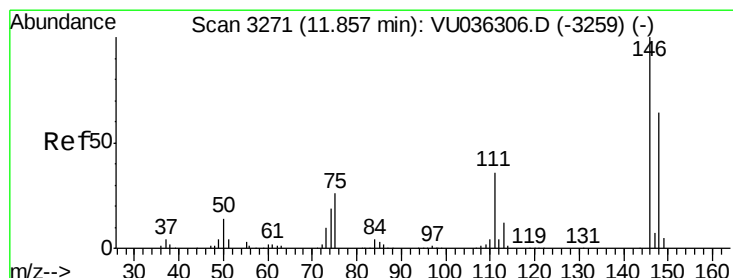
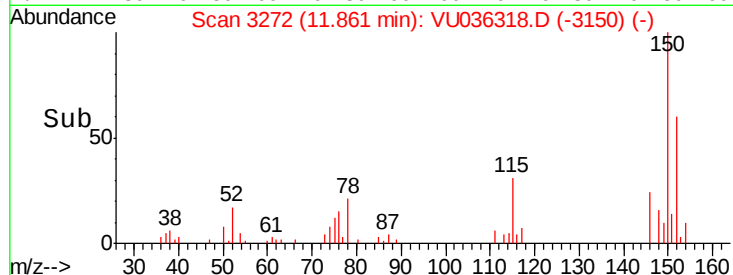
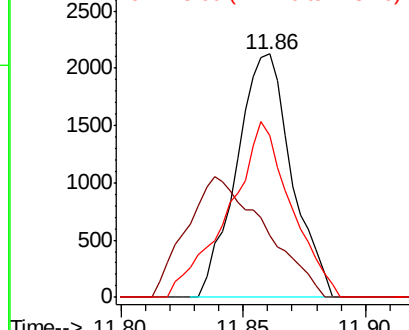
ClientSampleId :

BFDW7DL

Tot Ion:146	Resp:	3321
Ion	Ratio	Lower Upper
146	100	
111	25.5	26.3 48.9#
148	66.2	45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.091 ug/L

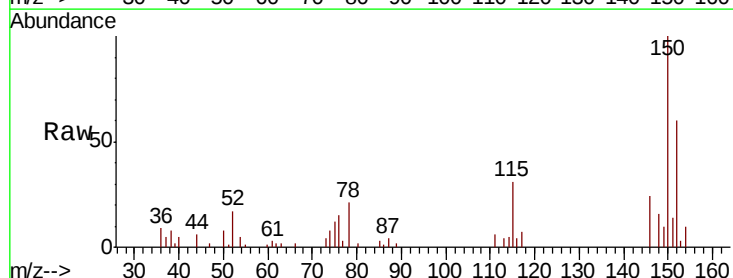
RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036318.D

Acq: 20 Dec 2019 15:16

Tgt Ion:146	Resp:	3321
Ion	Ratio	Lower Upper
146	100	
111	25.5	25.8 48.0#
148	66.2	44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

