

Data File : VU026956.D
Acq On : 21 Sep 2018 00:23
Operator : MD/SY
Sample : J5012-13 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08Q2

Quant Time: Sep 21 06:04:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	199184	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	178090	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	66302	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82071	55.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.40%
7) Chloroethane-d5	1.67	69	74567	59.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	118.26%
11) 1,1-Dichloroethene-d2	2.27	63	111133	39.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.72%
21) 2-Butanone-d5	4.18	46	136602	139.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	139.70%#
24) Chloroform-d	4.65	84	153592	56.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.40%
26) 1,2-Dichloroethane-d4	5.31	65	100245	58.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.50%
32) Benzene-d6	5.34	84	302662	60.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.28%
36) 1,2-Dichloropropane-d6	6.33	67	101728	63.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	126.52%#
41) Toluene-d8	7.57	98	243525	54.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.02%
43) trans-1,3-Dichloropropene-	7.85	79	40766	56.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	113.56%
47) 2-Hexanone-d5	8.31	63	94799	149.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	149.99%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	142427	63.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	127.04%#
64) 1,2-Dichlorobenzene-d4	11.86	152	94778	68.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	137.44%#

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	949	0.690 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1018	0.788 ug/L #	1
13) Acetone	2.32	43	826	0.859 ug/L	62
33) Benzene	5.39	78	3556	0.644 ug/L	100
35) Methylcyclohexane	6.33	83	23771	11.006 ug/L #	19
37) 1,2-Dichloropropane	6.33	63	10359	6.830 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2367	1.105 ug/L #	70
40) 4-Methyl-2-pentanone	7.57	43	860	0.477 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1504	0.750 ug/L	85
48) 2-Hexanone	8.31	43	10894	7.494 ug/L #	67
51) Chlorobenzene	9.12	112	14306	3.773 ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	8550	4.706 ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	6382	2.868 ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	5802	2.592 ug/L	97

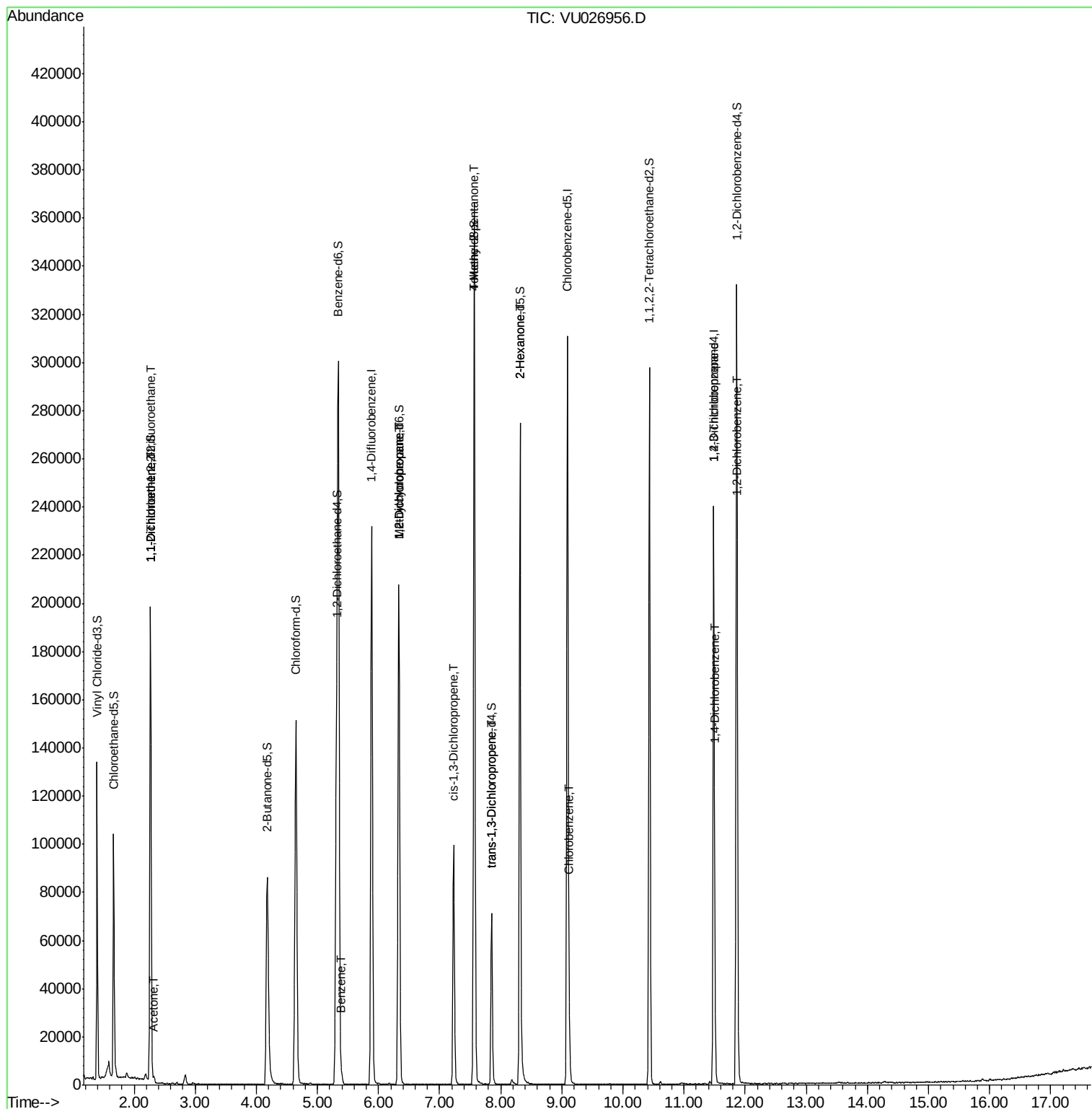
(#) = qualifier out of range (m) = manual integration (+) = signals summed

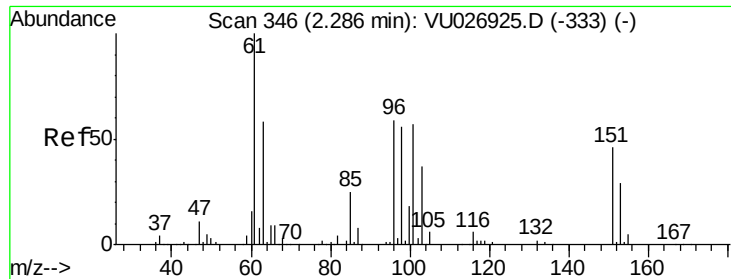
Data File : VU026956.D

```
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Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.690 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU026956.D

Acq: 21 Sep 2018 00:23

Instrument :

MSVOA_U

ClientSampleId :

C08Q2

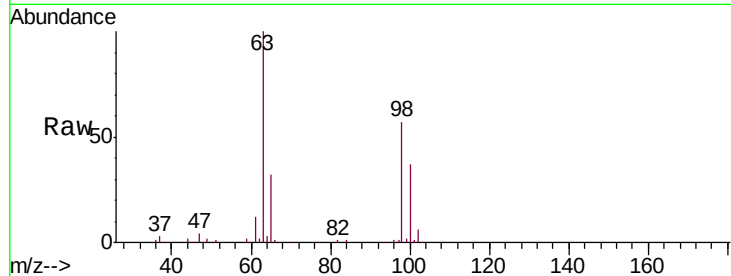
Tgt Ion: 101 Resp: 949

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

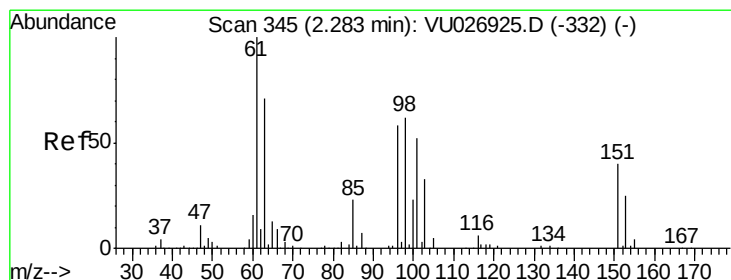
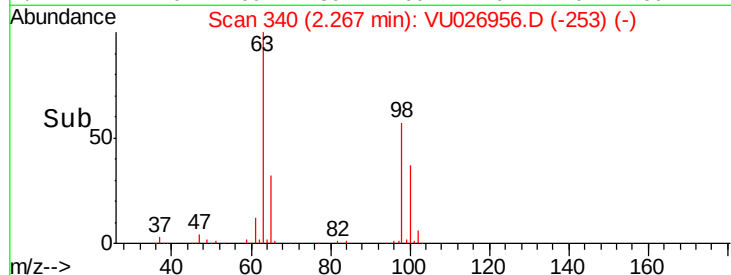
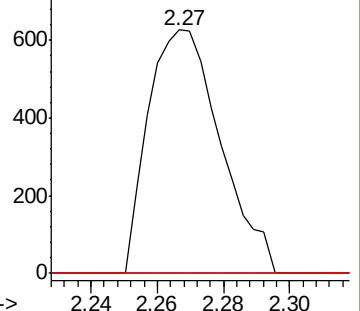
151 0.0 63.0 94.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.788 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU026956.D

Acq: 21 Sep 2018 00:23

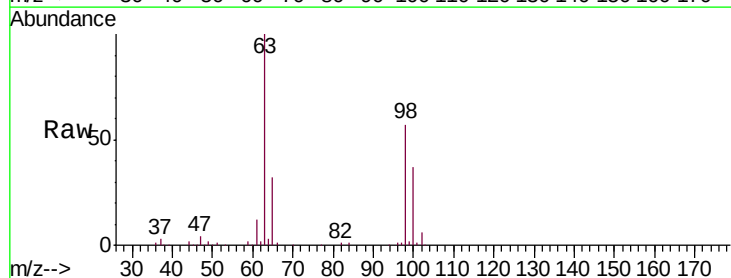
Tgt Ion: 96 Resp: 1018

Ion Ratio Lower Upper

96 100

61 1242.4 124.0 230.4#

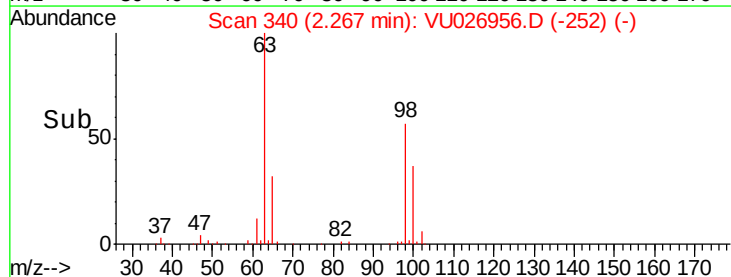
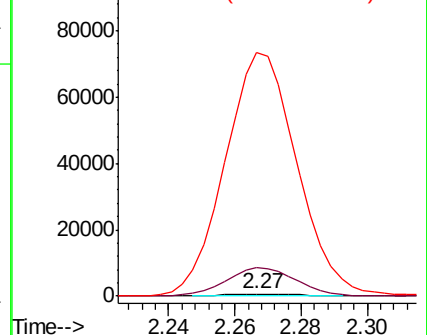
63 10733.3 97.7 181.5#

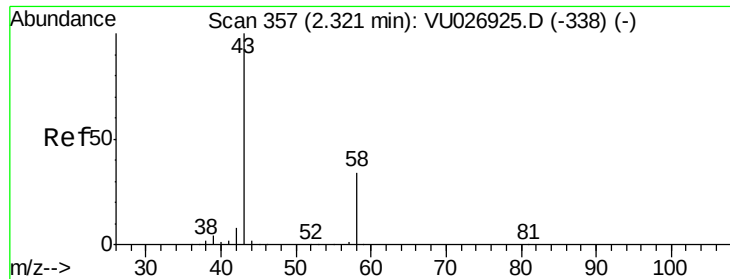


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.859 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026956.D

Acq: 21 Sep 2018 00:23

Instrument :

MSVOA_U

ClientSampleId :

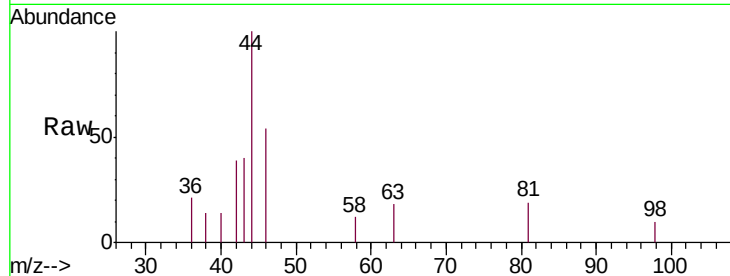
C08Q2

Tgt Ion: 43 Resp: 826

Ion Ratio Lower Upper

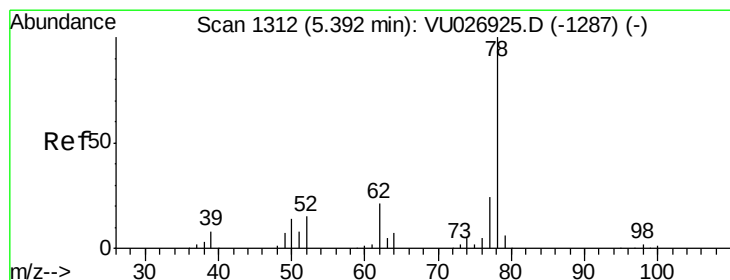
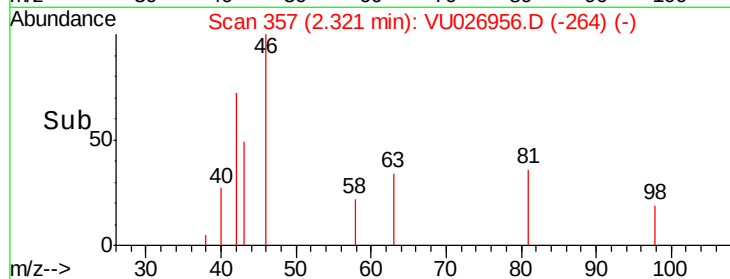
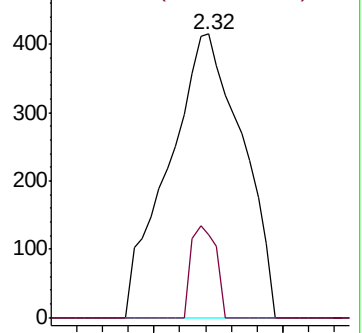
43 100

58 11.1 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#33

Benzene

Concen: 0.644 ug/L

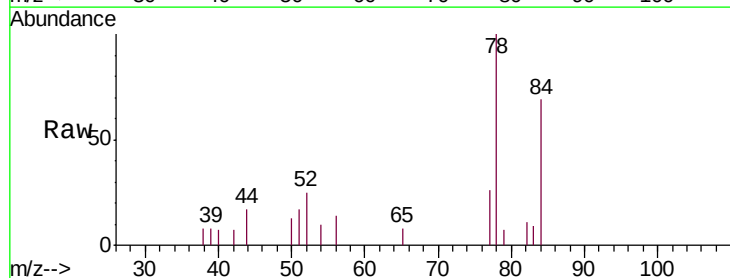
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

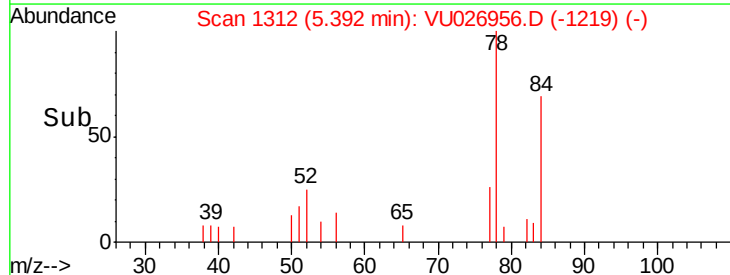
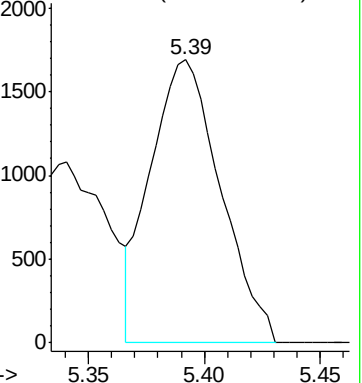
Lab File: VU026956.D

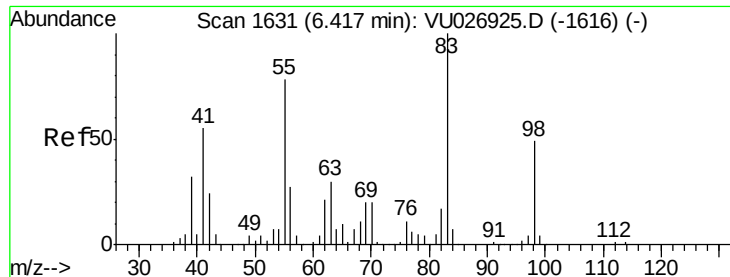
Acq: 21 Sep 2018 00:23

Tgt Ion: 78 Resp: 3556



Abundance Ion 78.00 (77.70 to 78.70): VU0

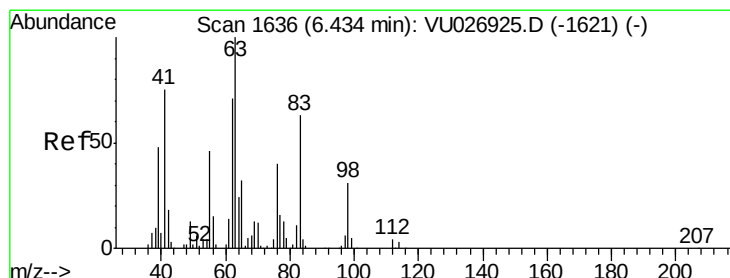
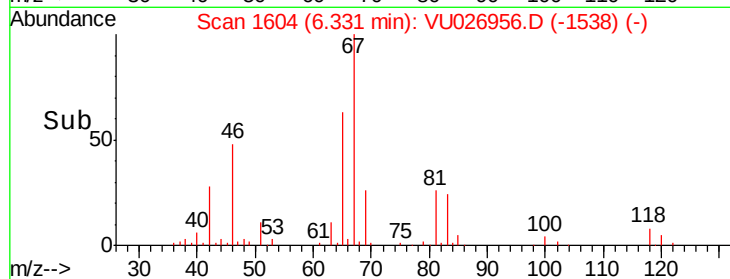
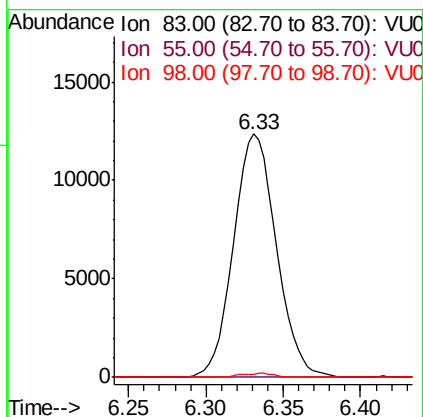
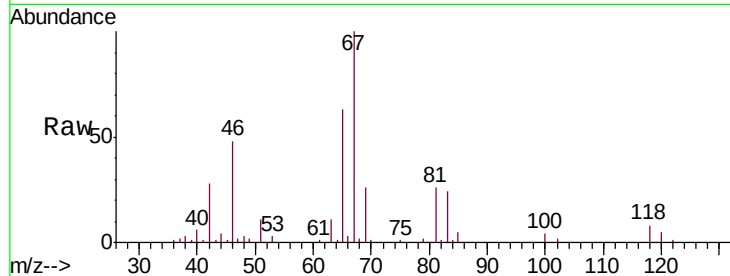




#35
Methylcyclohexane
Concen: 11.006 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026956.D
Acq: 21 Sep 2018 00:23

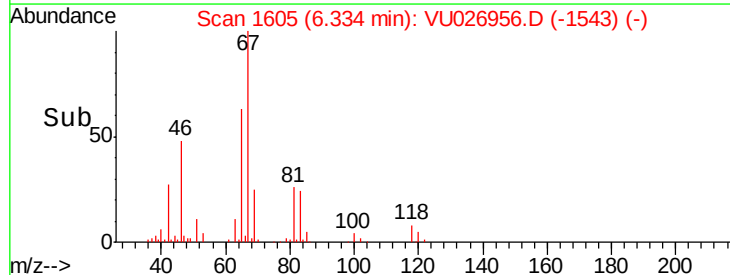
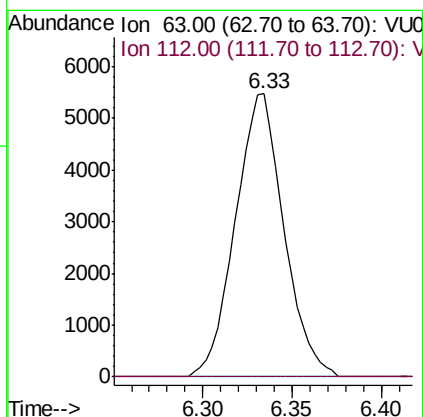
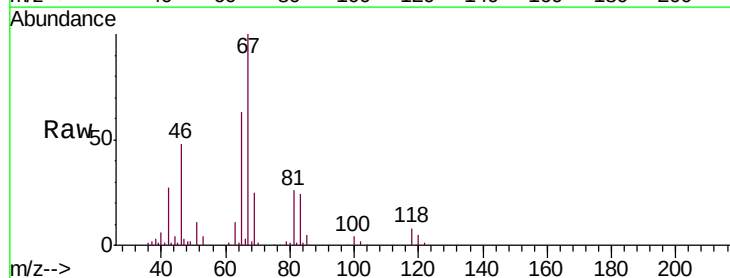
Instrument :
MSVOA_U
ClientSampleId :
C08Q2

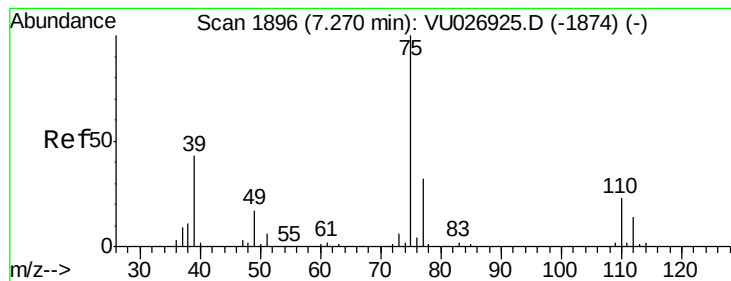
Tgt Ion: 83 Resp: 23771
Ion Ratio Lower Upper
83 100
55 0.0 61.7 92.5#
98 1.3 38.3 57.5#



#37
1,2-Dichloropropane
Concen: 6.830 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026956.D
Acq: 21 Sep 2018 00:23

Tgt Ion: 63 Resp: 10359
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



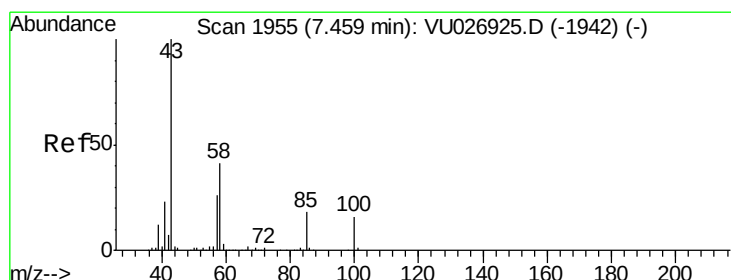
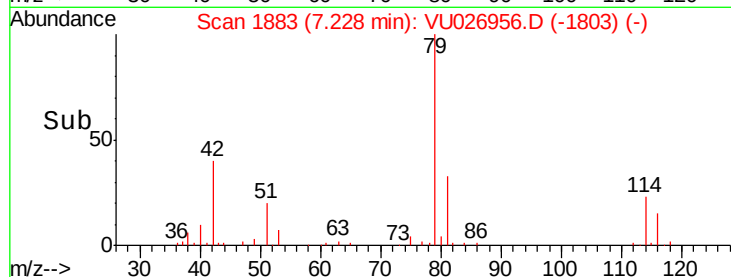
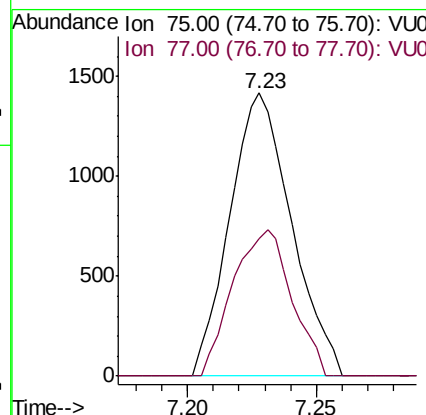
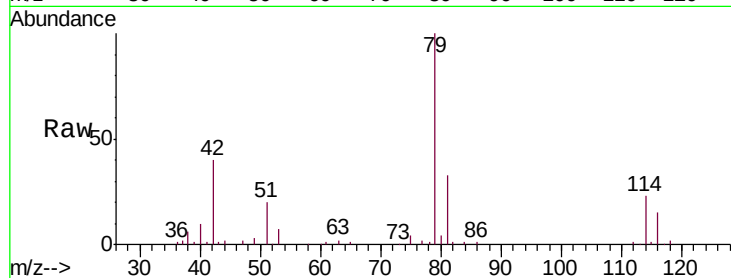


#39

cis-1,3-Dichloropropene
 Concen: 1.105 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026956.D
 Acq: 21 Sep 2018 00:23

Instrument :
 MSVOA_U
 ClientSampleId :
 C08Q2

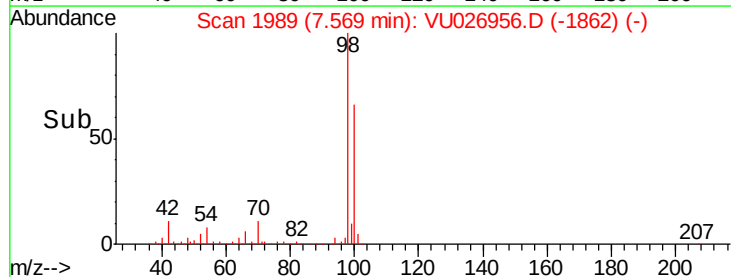
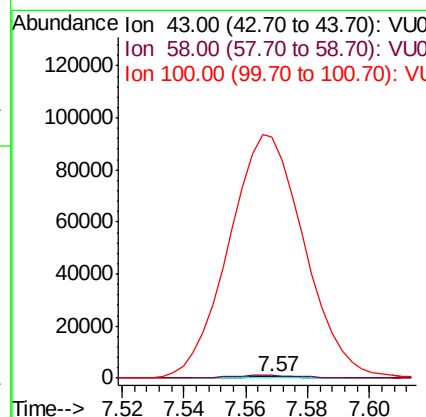
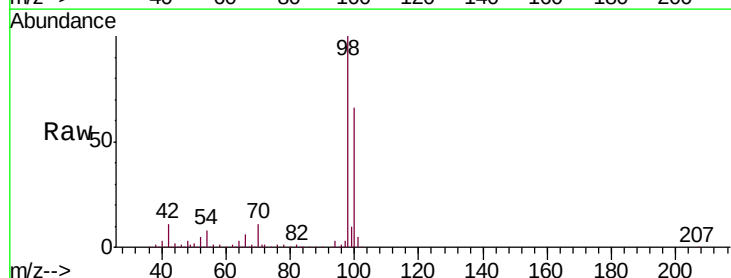
Tgt Ion: 75 Resp: 2367
 Ion Ratio Lower Upper
 75 100
 77 48.4 22.1 41.1#

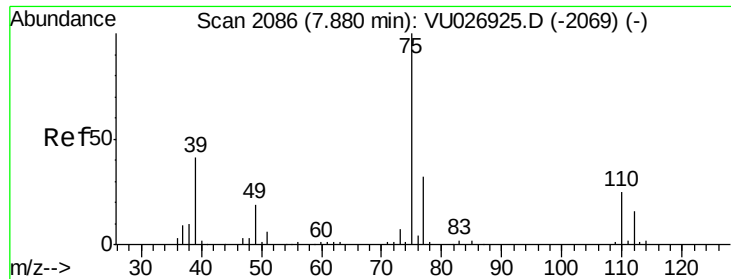


#40

4-Methyl-2-pentanone
 Concen: 0.477 ug/L
 RT: 7.57 min Scan# 1989
 Delta R.T. 0.11 min
 Lab File: VU026956.D
 Acq: 21 Sep 2018 00:23

Tgt Ion: 43 Resp: 860
 Ion Ratio Lower Upper
 43 100
 58 209.3 32.0 48.0#
 100 18636.4 12.6 19.0#

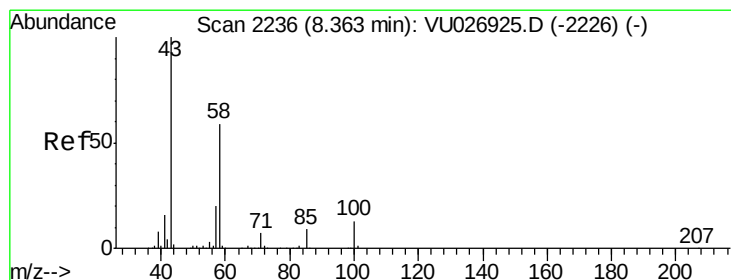
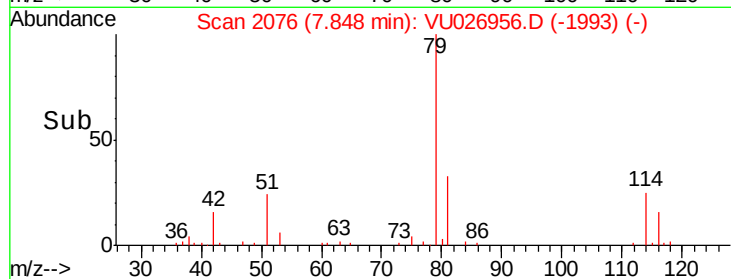
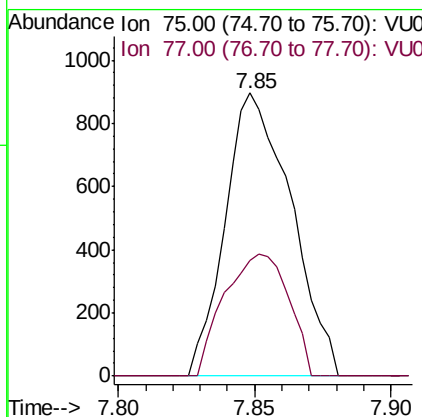
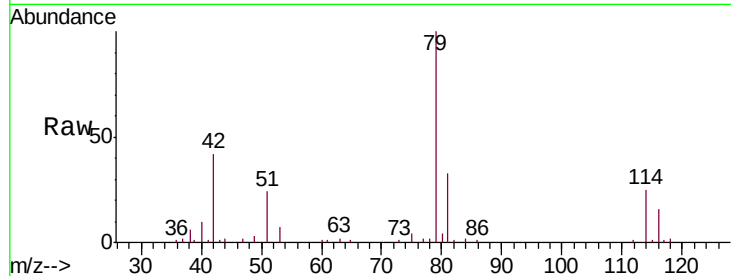




#44
 trans-1,3-Dichloropropene
 Concen: 0.750 ug/L
 RT: 7.85 min Scan# 2076
 Delta R.T. -0.03 min
 Lab File: VU026956.D
 Acq: 21 Sep 2018 00:23

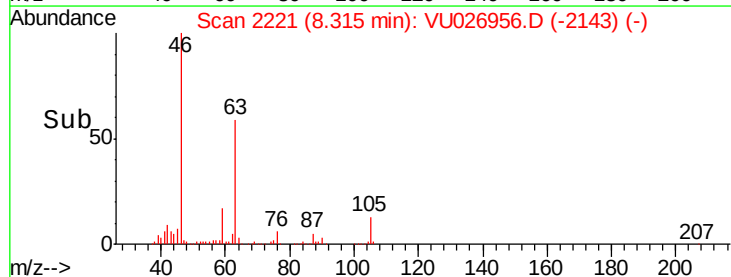
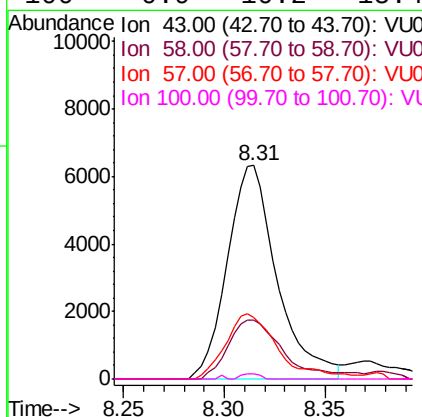
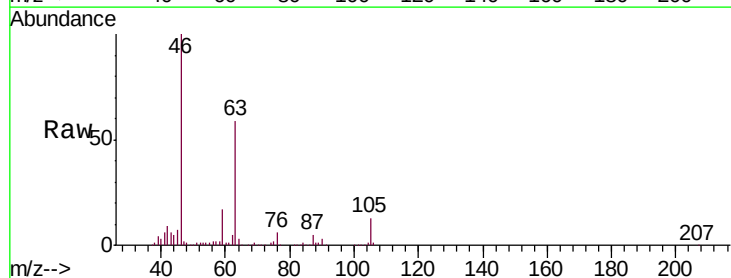
Instrument :
 MSVOA_U
 ClientSampled :
 C08Q2

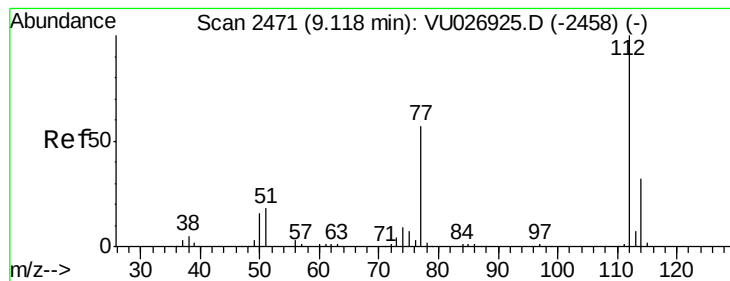
Tgt Ion: 75 Resp: 1504
 Ion Ratio Lower Upper
 75 100
 77 41.1 22.8 42.4



#48
 2-Hexanone
 Concen: 7.494 ug/L
 RT: 8.31 min Scan# 2221
 Delta R.T. -0.05 min
 Lab File: VU026956.D
 Acq: 21 Sep 2018 00:23

Tgt Ion: 43 Resp: 10894
 Ion Ratio Lower Upper
 43 100
 58 29.9 44.9 67.3#
 57 31.4 15.4 23.2#
 100 0.9 10.2 15.4#





#51

Chlorobenzene

Concen: 3.773 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026956.D

Acq: 21 Sep 2018 00:23

Instrument :

MSVOA_U

ClientSampleId :

C08Q2

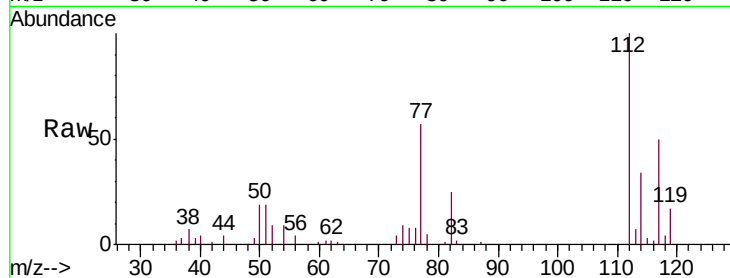
Tgt Ion: 112 Resp: 14306

Ion Ratio Lower Upper

112 100

114 33.9 22.3 41.5

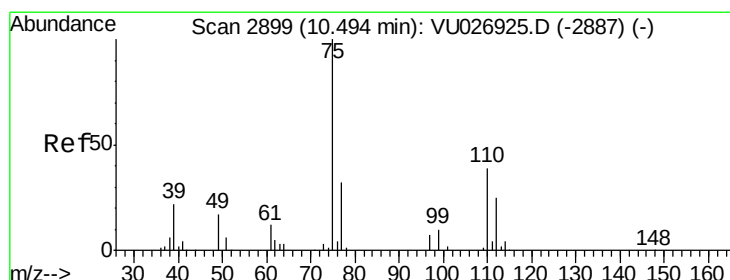
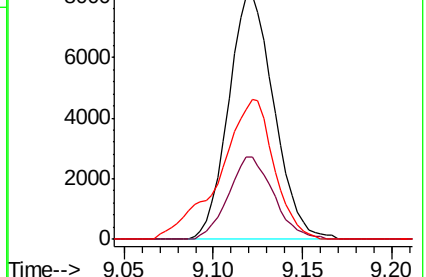
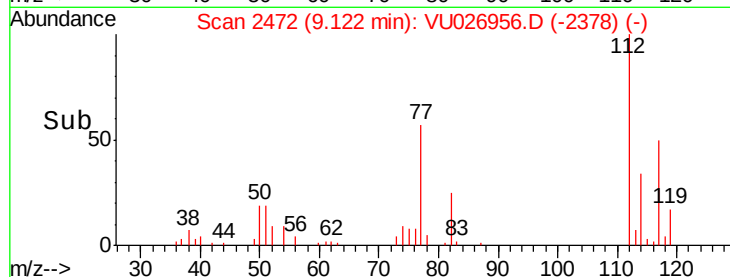
77 57.2 45.1 67.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 4.706 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU026956.D

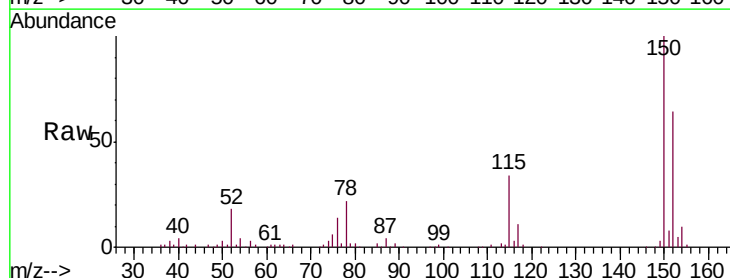
Acq: 21 Sep 2018 00:23

Tgt Ion: 75 Resp: 8550

Ion Ratio Lower Upper

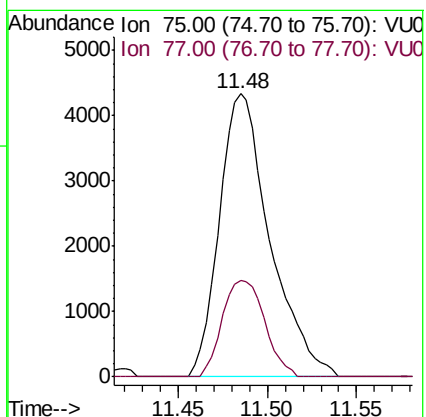
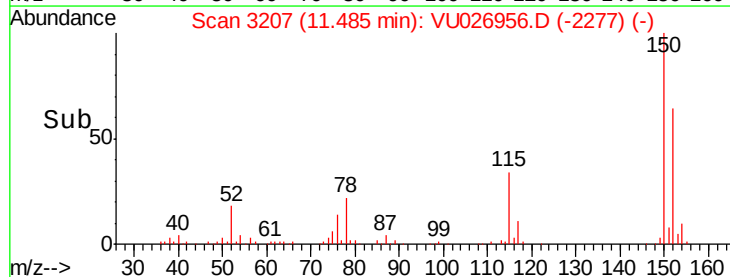
75 100

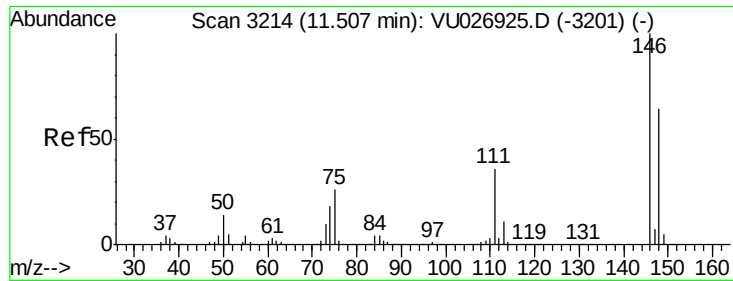
77 28.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

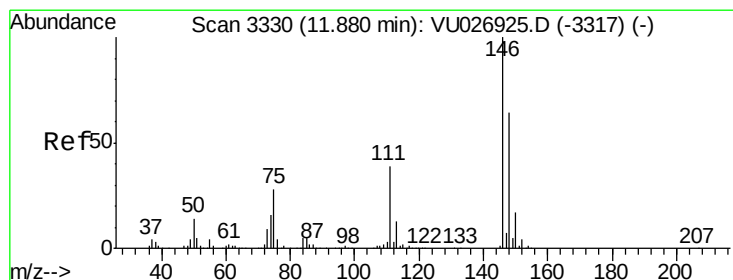
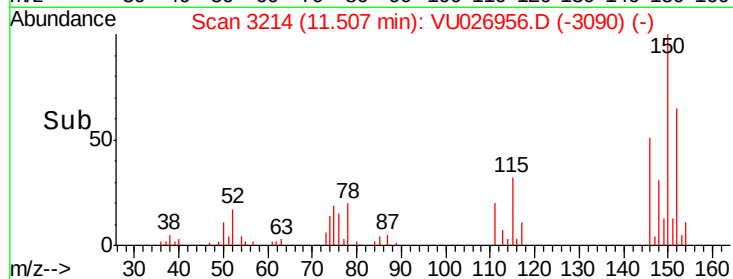
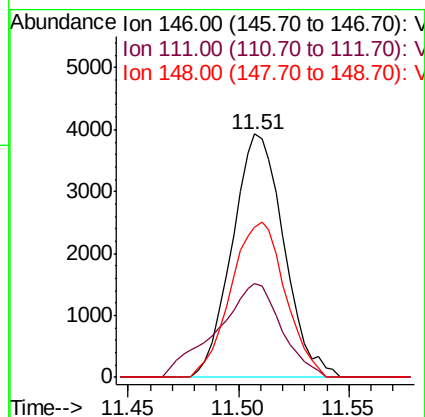
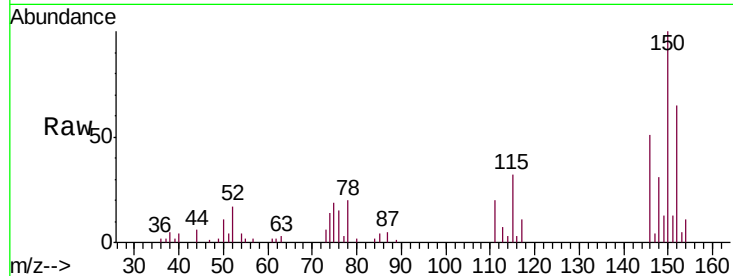




#63
 1,4-Dichlorobenzene
 Concen: 2.868 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026956.D
 Acq: 21 Sep 2018 00:23

Instrument :
 MSVOA_U
 ClientSampleId :
 C08Q2

Tgt Ion:146 Resp: 6382
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.0 48.2
 148 61.4 45.8 85.2



#65
 1,2-Dichlorobenzene
 Concen: 2.592 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026956.D
 Acq: 21 Sep 2018 00:23

Tgt Ion:146 Resp: 5802
 Ion Ratio Lower Upper
 146 100
 111 42.2 31.4 47.0
 148 66.2 51.4 77.2

