

Data File : VU026959.D
Acq On : 21 Sep 2018 01:35
Operator : MD/SY
Sample : J5012-16 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08Q5

Quant Time: Sep 21 06:05:27 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	172201	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	152959	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52551	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75531	59.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	118.58%
7) Chloroethane-d5	1.67	69	68630	62.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	125.88%
11) 1,1-Dichloroethene-d2	2.27	63	100331	41.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.26%
21) 2-Butanone-d5	4.18	46	127975	151.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	151.39%#
24) Chloroform-d	4.65	84	141227	59.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.54%
26) 1,2-Dichloroethane-d4	5.31	65	94214	63.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	126.64%#
32) Benzene-d6	5.34	84	274376	64.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	128.02%#
36) 1,2-Dichloropropane-d6	6.33	67	93253	67.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	135.04%#
41) Toluene-d8	7.57	98	214802	55.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.94%
43) trans-1,3-Dichloropropene-	7.85	79	37144	60.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	120.46%
47) 2-Hexanone-d5	8.31	63	88223	162.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	162.52%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	135315	70.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	140.52%#
64) 1,2-Dichlorobenzene-d4	11.86	152	83252	76.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	152.30%#

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	741	0.623	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	863	0.773	ug/L #	1
13) Acetone	2.32	43	644	0.775	ug/L	71
35) Methylcyclohexane	6.33	83	22556	12.160	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	9419	7.230	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2045	1.111	ug/L #	68
44) trans-1,3-Dichloropropene	7.85	75	1533	0.890	ug/L	98
48) 2-Hexanone	8.31	43	10562	8.459	ug/L #	68
51) Chlorobenzene	9.12	112	2547	0.782	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	6072	3.891	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	2309	1.309	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	2454	1.383	ug/L	94

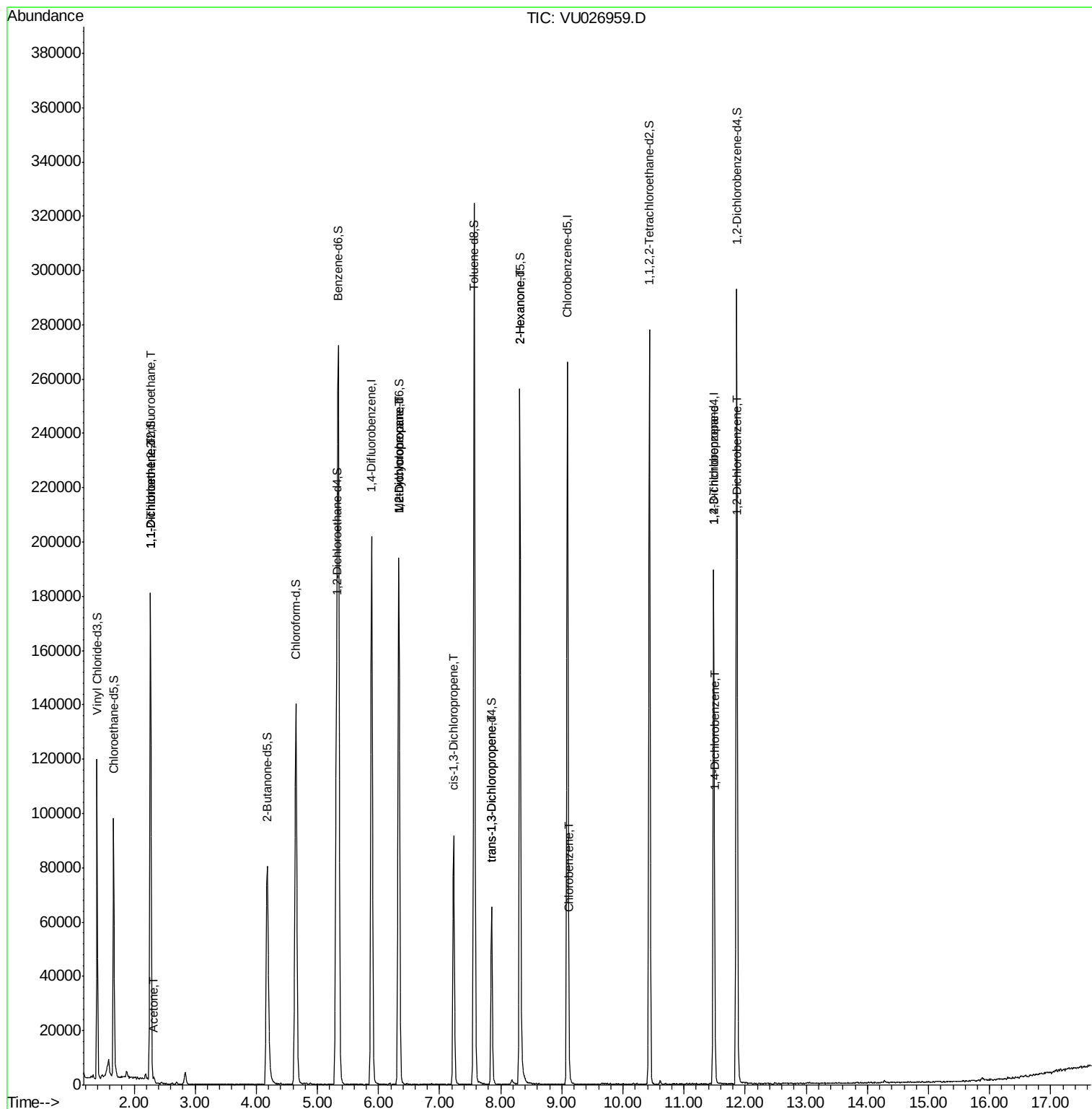
(#) = qualifier out of range (m) = manual integration (+) = signals summed

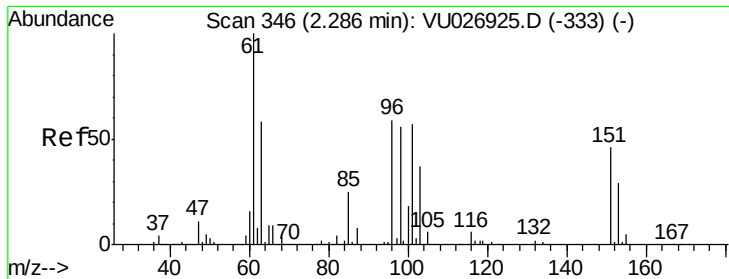
Data File : VU026959.D

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#10

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

Concen: 0.623 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026959.D

Acq: 21 Sep 2018 01:35

Instrument :

MSVOA_U

ClientSampleId :

C08Q5

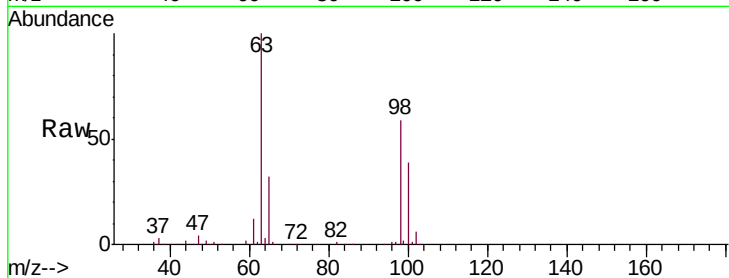
Tgt Ion: 101 Resp: 741

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

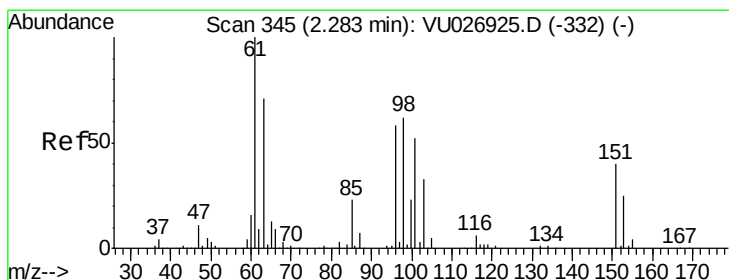
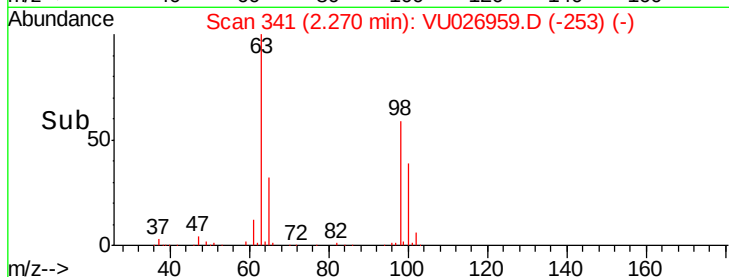
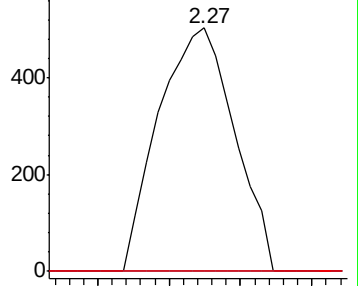
151 0.0 63.0 94.4#



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: 0.773 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU026959.D

Acq: 21 Sep 2018 01:35

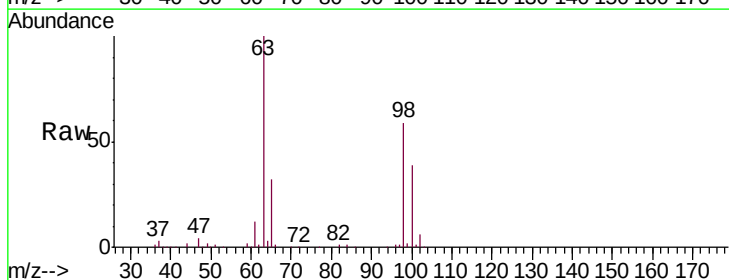
Tgt Ion: 96 Resp: 863

Ion Ratio Lower Upper

96 100

61 1329.7 124.0 230.4#

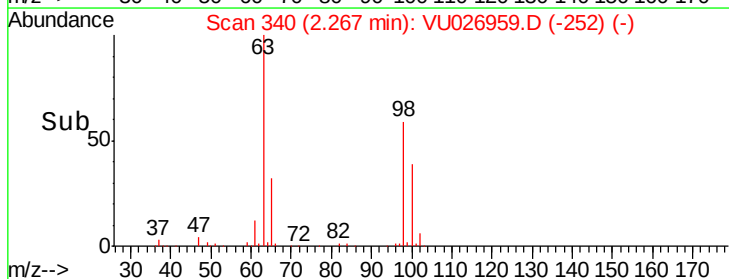
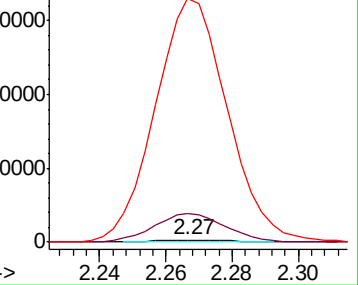
63 11202.7 97.7 181.5#

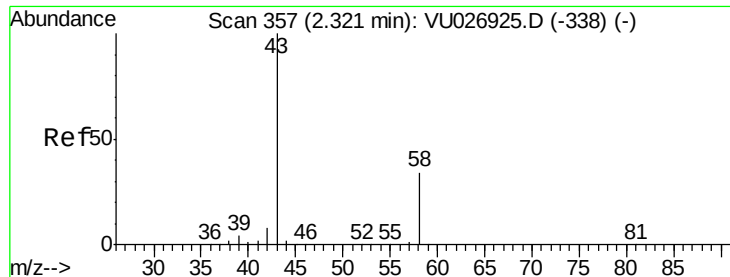


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.775 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026959.D

Acq: 21 Sep 2018 01:35

Instrument :

MSVOA_U

ClientSampleId :

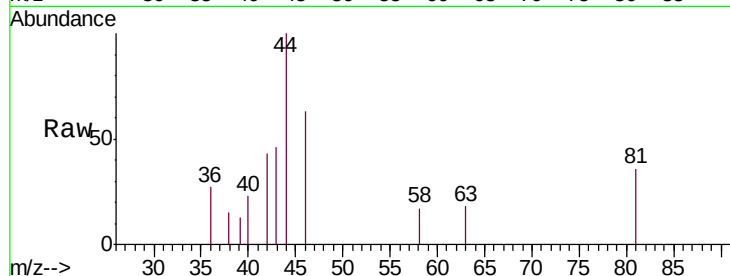
C08Q5

Tgt Ion: 43 Resp: 644

Ion Ratio Lower Upper

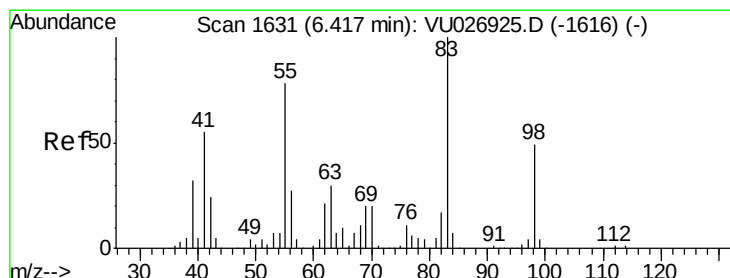
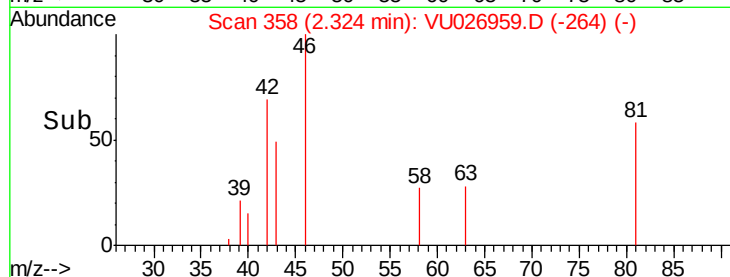
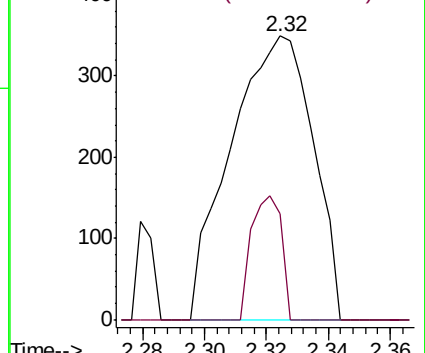
43 100

58 16.0 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#35

Methylcyclohexane

Concen: 12.160 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VU026959.D

Acq: 21 Sep 2018 01:35

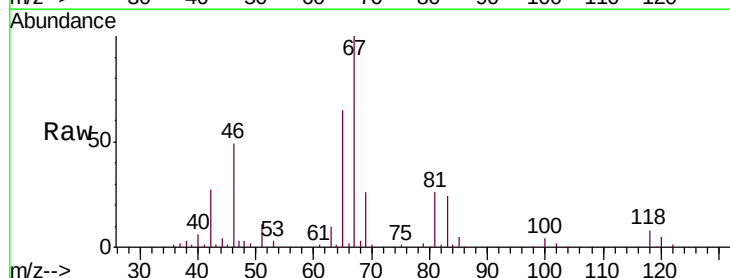
Tgt Ion: 83 Resp: 22556

Ion Ratio Lower Upper

83 100

55 0.0 61.7 92.5#

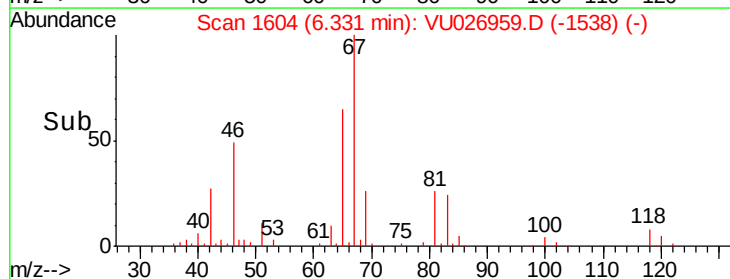
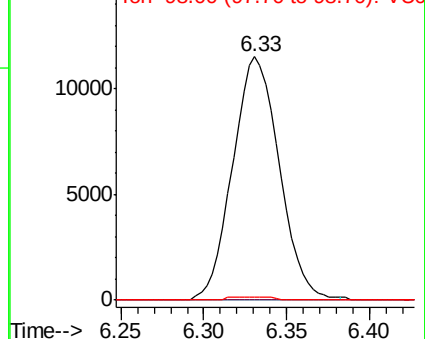
98 1.2 38.3 57.5#

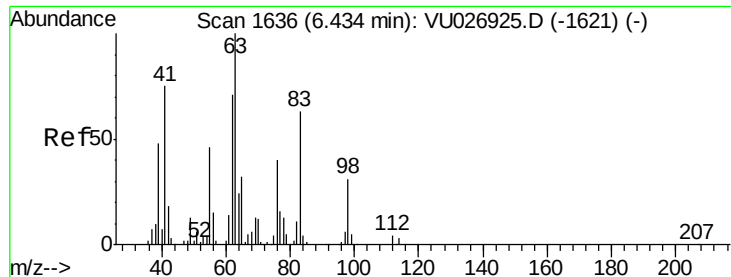


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

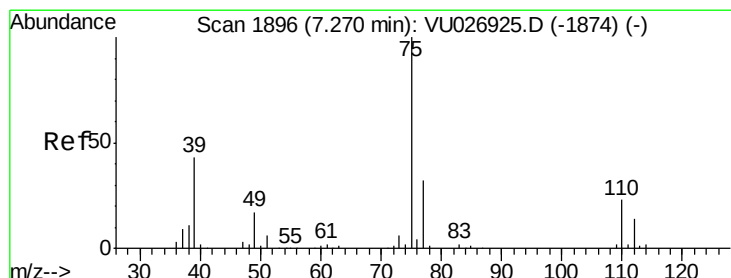
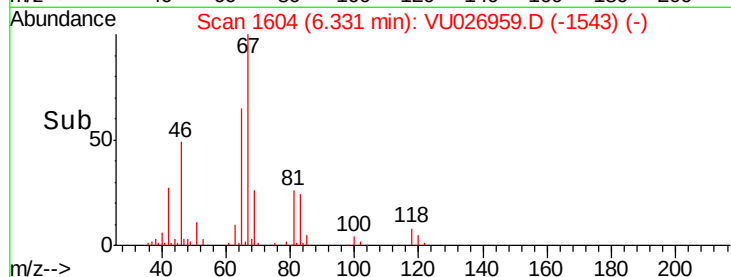
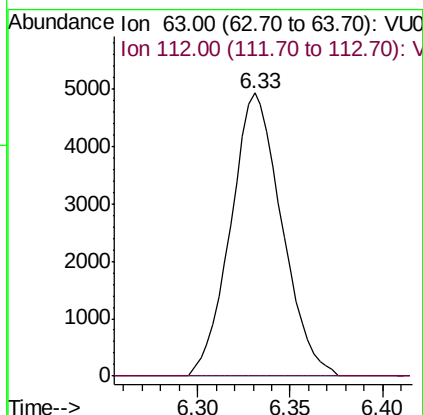
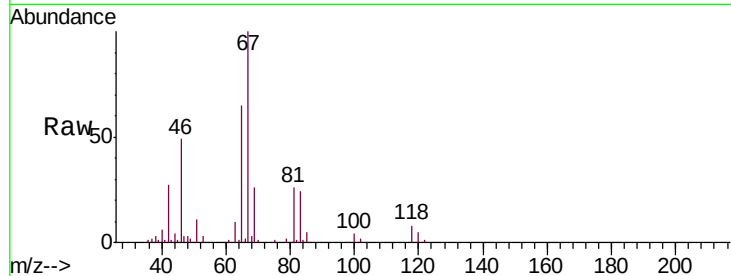




#37
 1,2-Dichloropropane
 Concen: 7.230 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU026959.D
 Acq: 21 Sep 2018 01:35

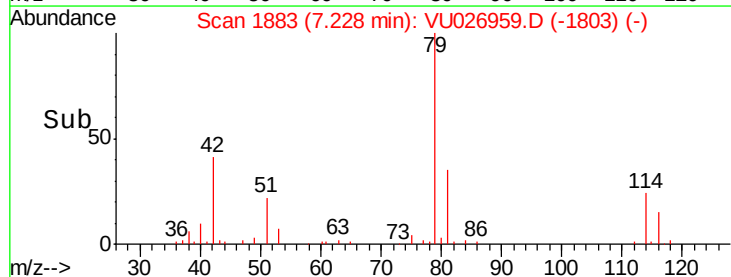
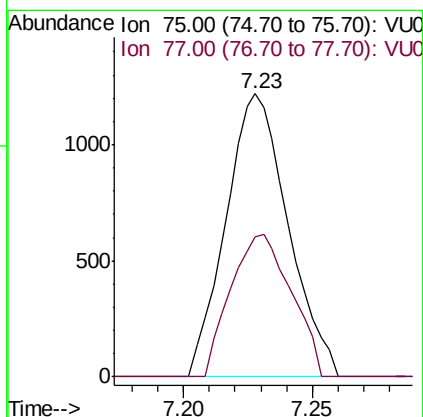
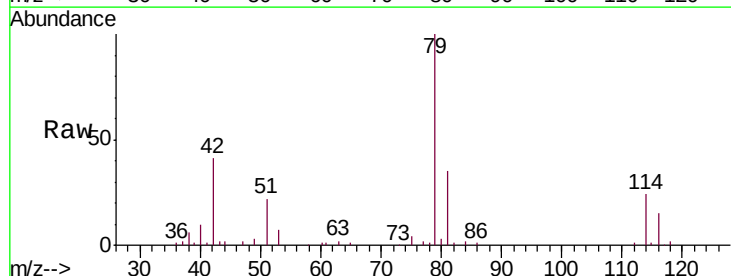
Instrument :
 MSVOA_U
 ClientSampled :
 C08Q5

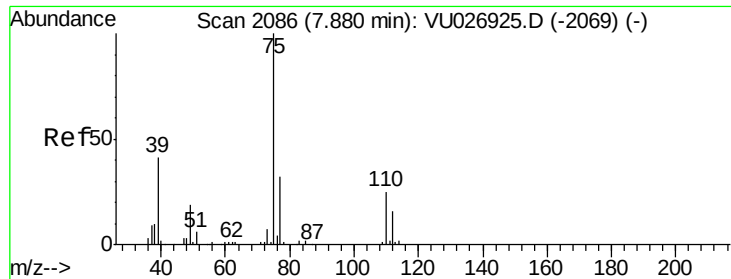
Tgt Ion: 63 Resp: 9419
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 1.111 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026959.D
 Acq: 21 Sep 2018 01:35

Tgt Ion: 75 Resp: 2045
 Ion Ratio Lower Upper
 75 100
 77 49.5 22.1 41.1#





#44

trans-1,3-Dichloropropene

Concen: 0.890 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026959.D

Acq: 21 Sep 2018 01:35

Instrument :

MSVOA_U

ClientSampled :

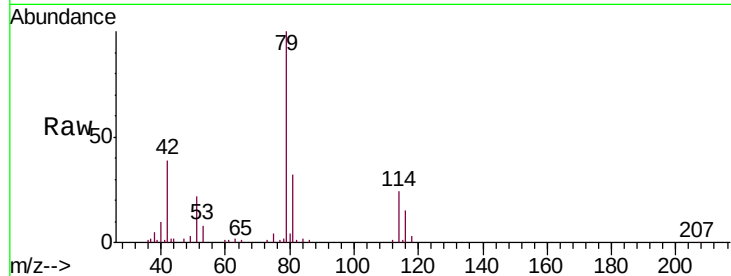
C08Q5

Tgt Ion: 75 Resp: 1533

Ion Ratio Lower Upper

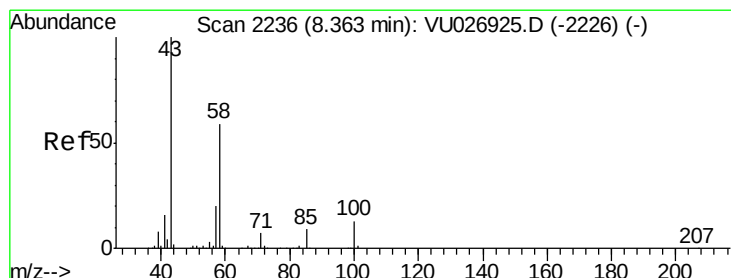
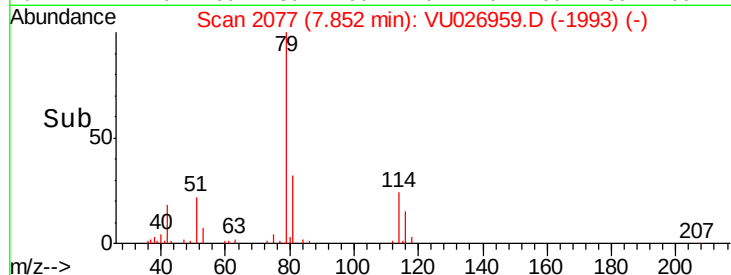
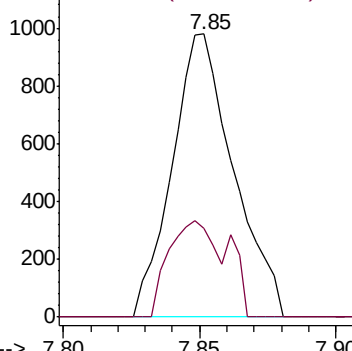
75 100

77 31.6 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#48

2-Hexanone

Concen: 8.459 ug/L

RT: 8.31 min Scan# 2221

Delta R.T. -0.05 min

Lab File: VU026959.D

Acq: 21 Sep 2018 01:35

Tgt Ion: 43 Resp: 10562

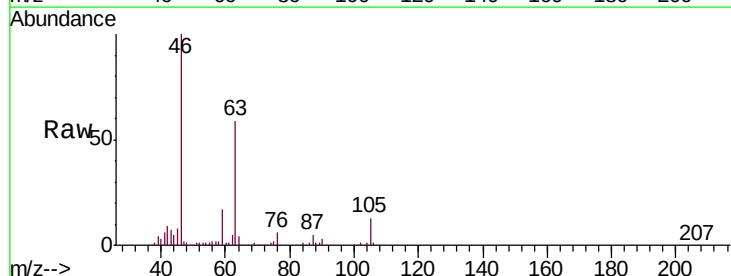
Ion Ratio Lower Upper

43 100

58 29.0 44.9 67.3#

57 29.4 15.4 23.2#

100 1.9 10.2 15.4#

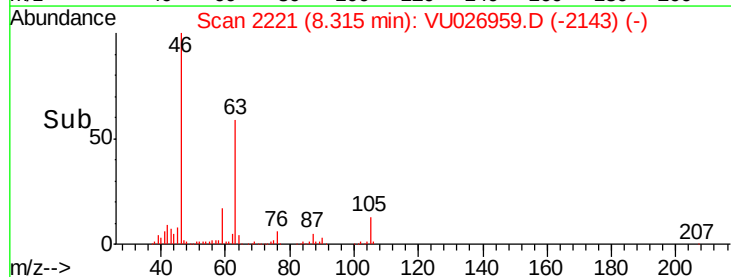
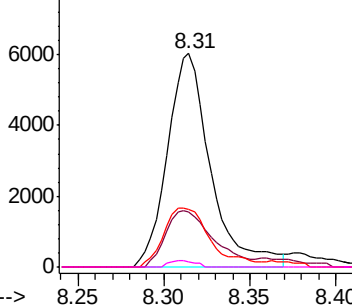


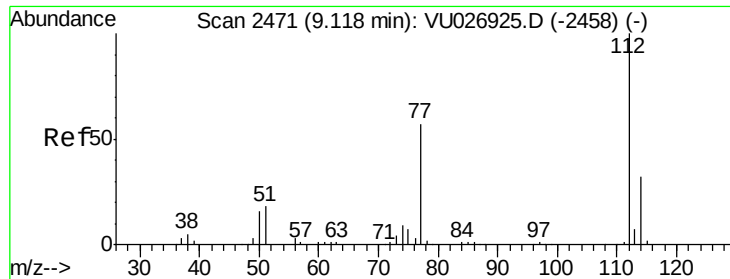
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

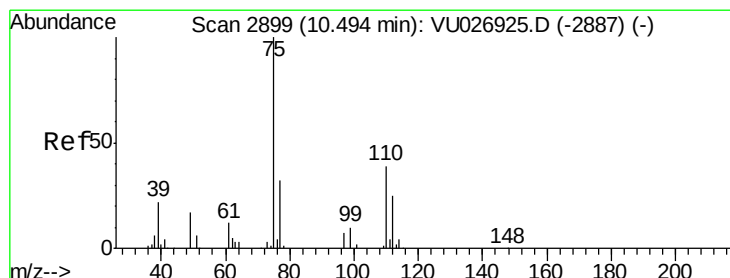
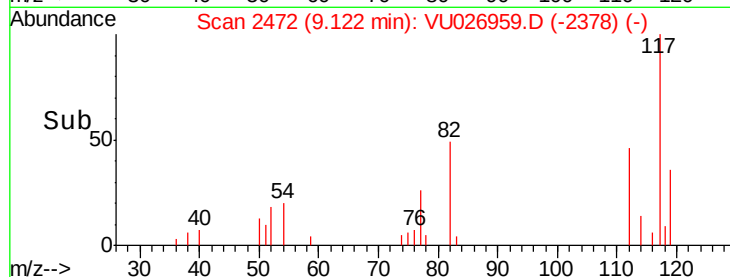
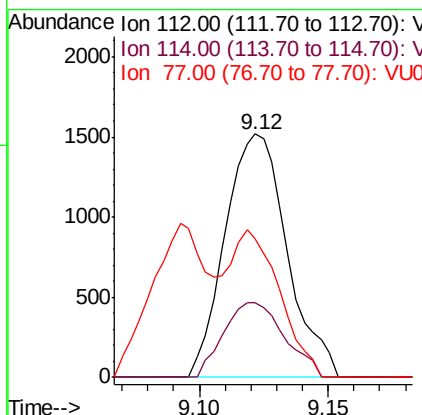
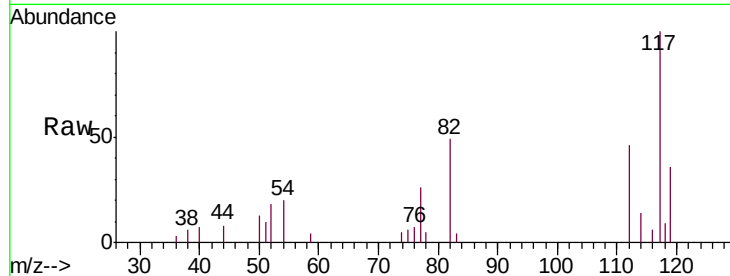




#51
Chlorobenzene
Concen: 0.782 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026959.D
Acq: 21 Sep 2018 01:35

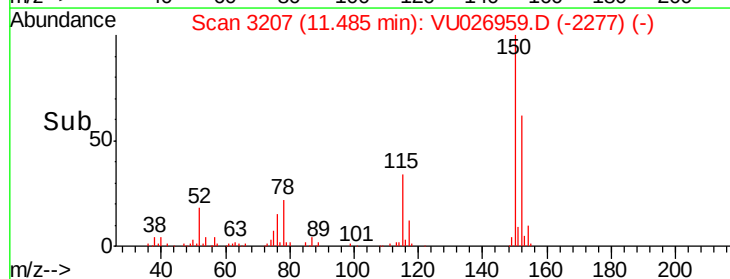
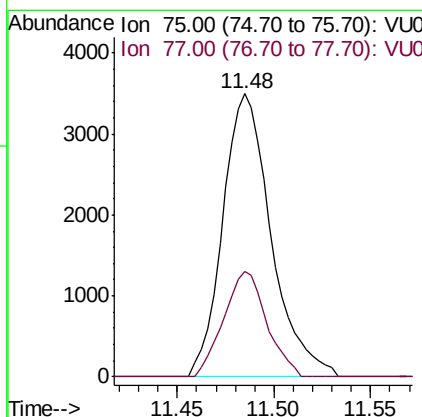
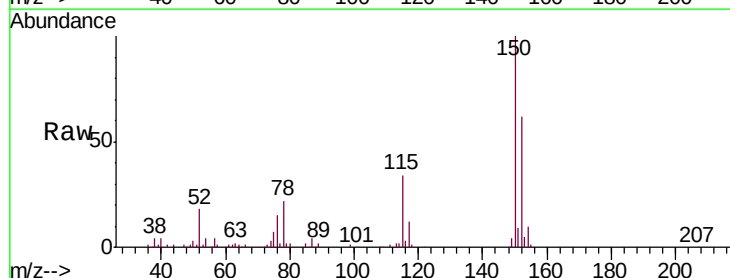
Instrument :
MSVOA_U
ClientSampleId :
C08Q5

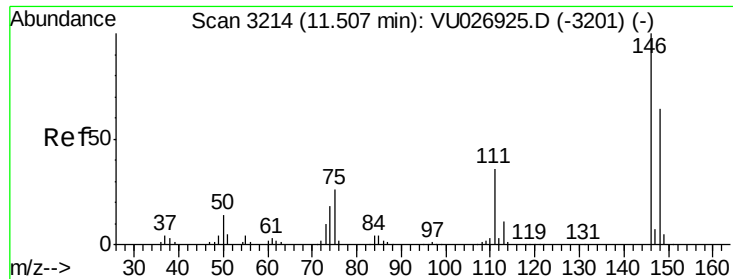
Tgt Ion: 112 Resp: 2547
Ion Ratio Lower Upper
112 100
114 30.7 22.3 41.5
77 57.0 45.1 67.7



#59
1,2,3-Trichloropropane
Concen: 3.891 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU026959.D
Acq: 21 Sep 2018 01:35

Tgt Ion: 75 Resp: 6072
Ion Ratio Lower Upper
75 100
77 32.9 25.5 38.3





#63

1,4-Dichlorobenzene

Concen: 1.309 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026959.D

Acq: 21 Sep 2018 01:35

Instrument :

MSVOA_U

ClientSampleId :

C08Q5

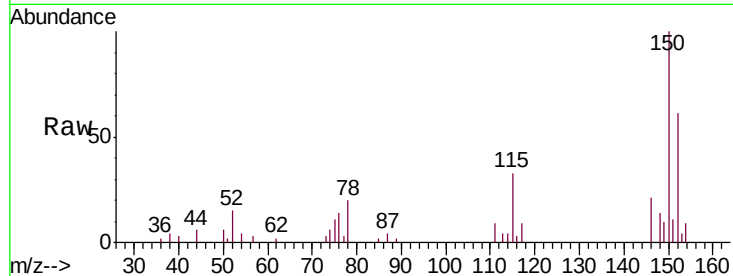
Tgt Ion:146 Resp: 2309

Ion Ratio Lower Upper

146 100

111 41.8 26.0 48.2

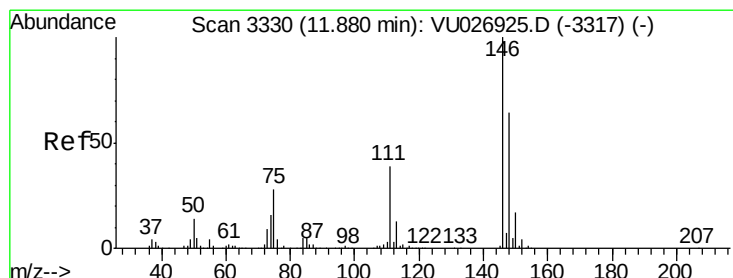
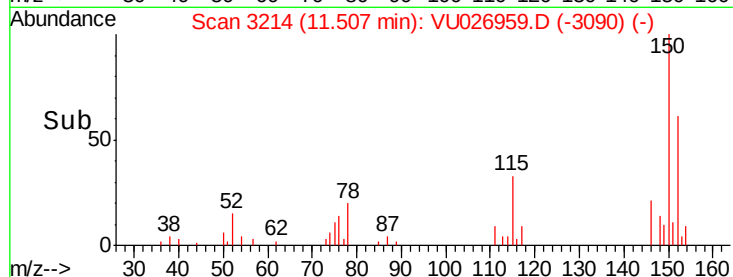
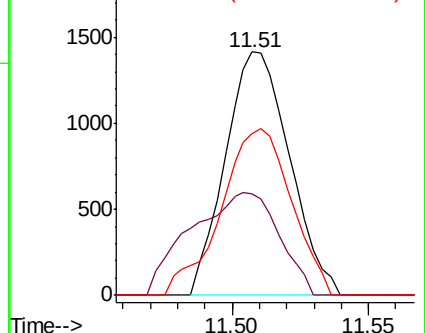
148 66.7 45.8 85.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.383 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026959.D

Acq: 21 Sep 2018 01:35

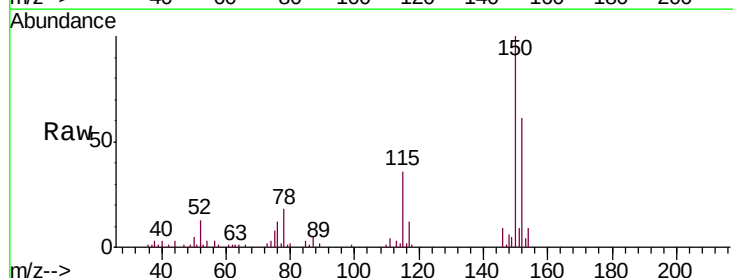
Tgt Ion:146 Resp: 2454

Ion Ratio Lower Upper

146 100

111 47.0 31.4 47.0

148 65.6 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

