

Data File : VU026947.D
Acq On : 20 Sep 2018 20:46
Operator : MD/SY
Sample : J5012-04 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08K7

Quant Time: Sep 21 06:03:32 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	269765	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	255893	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	129019	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88970	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.16%
7) Chloroethane-d5	1.67	69	77857	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.16%
11) 1,1-Dichloroethene-d2	2.27	63	126596	33.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.06%
21) 2-Butanone-d5	4.18	46	142677	107.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.74%
24) Chloroform-d	4.65	84	159414	43.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.14%
26) 1,2-Dichloroethane-d4	5.31	65	103078	44.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.44%
32) Benzene-d6	5.34	84	327872	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.44%
36) 1,2-Dichloropropane-d6	6.33	67	107472	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.02%
41) Toluene-d8	7.57	98	283269	43.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.44%
43) trans-1,3-Dichloropropene-	7.85	79	45577	44.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.36%
47) 2-Hexanone-d5	8.31	63	103462	113.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	147544	45.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.58%
64) 1,2-Dichlorobenzene-d4	11.48	152	119549	44.54	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.08%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1134	0.609	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1124	0.643	ug/L #	1
13) Acetone	2.32	43	1240	0.953	ug/L	83
25) Chloroform	4.67	83	12003	3.189	ug/L	96
27) 1,2-Dichloroethane	5.39	62	11908	4.054	ug/L #	72
31) Carbon tetrachloride	5.14	117	5919	2.170	ug/L	94
33) Benzene	5.39	78	1465642	184.737	ug/L	100
37) 1,2-Dichloropropane	6.33	63	11453	5.255	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2288	0.743	ug/L #	53
44) trans-1,3-Dichloropropene	7.85	75	1834	0.636	ug/L	90
51) Chlorobenzene	9.12	112	3016739	553.763	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	55253	21.165	ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	207649	52.795	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	1425743	329.205	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1712553	393.240	ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	166803	54.805	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	166803	63.598	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092118\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.99	180	60687	21.012	ug/L	97

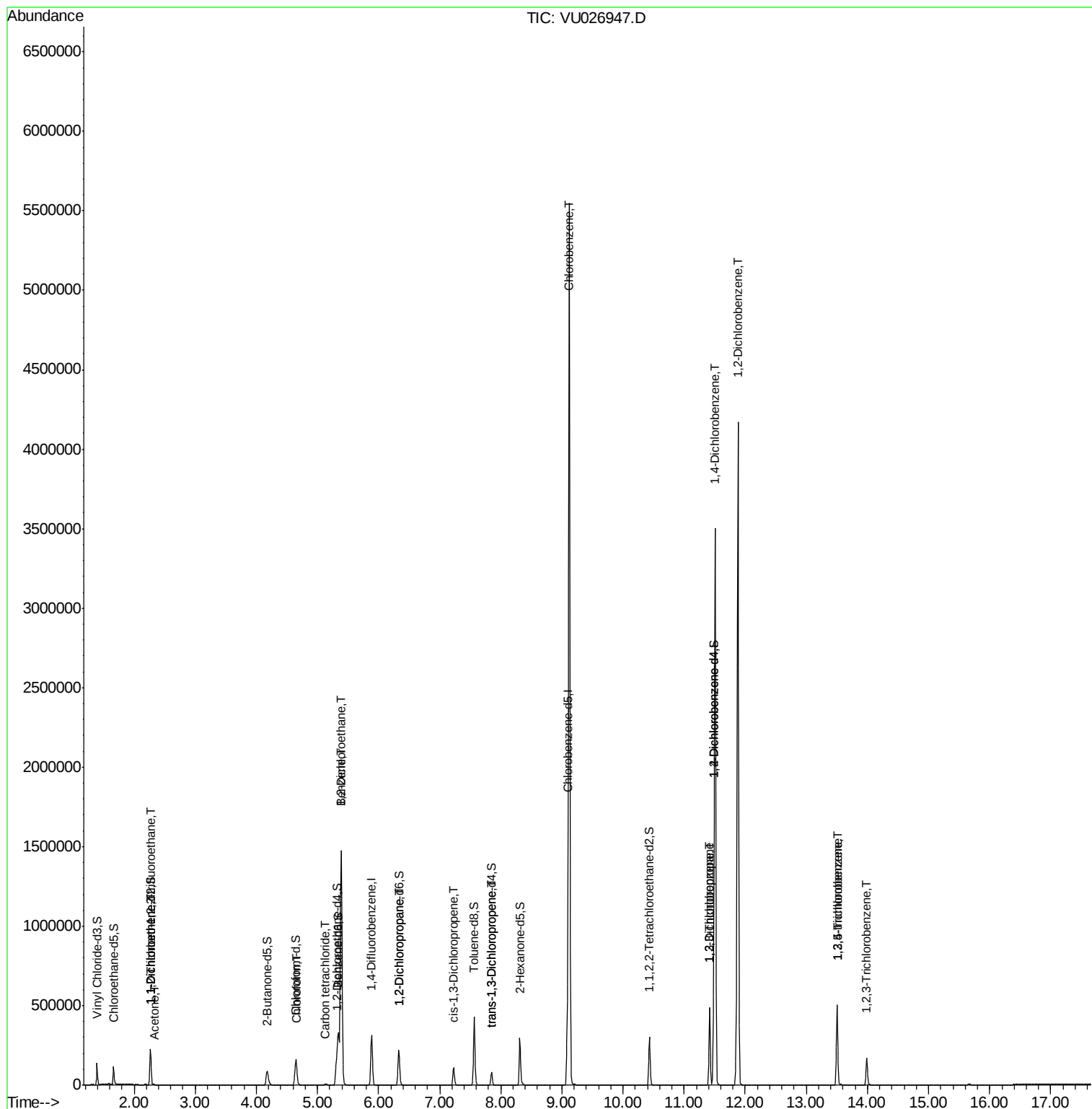
(#) = qualifier out of range (m) = manual integration (+) = signals summed

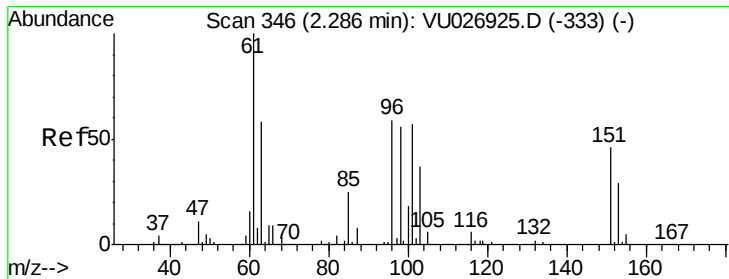
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Operator     : MD/SY
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Misc         : 5.0mL/MSVOA_U/WATER
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Instrument :
MSVOA_U
ClientSampleId :
C08K7

Quant Time: Sep 21 06:03:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
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: 0.609 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026947.D

Acq: 20 Sep 2018 20:46

Instrument :

MSVOA_U

ClientSampled :

C08K7

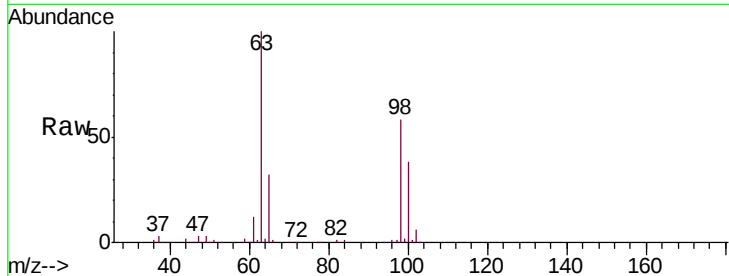
Tgt Ion: 101 Resp: 1134

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

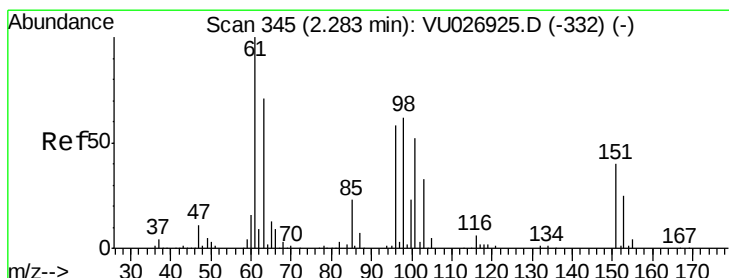
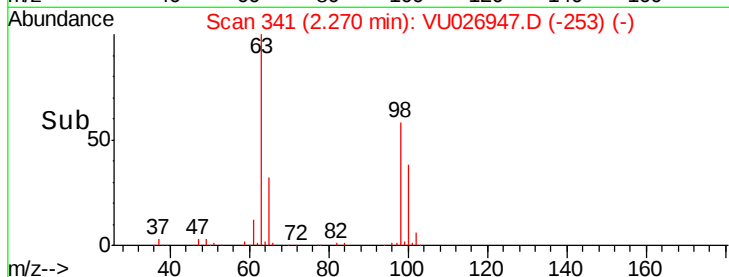
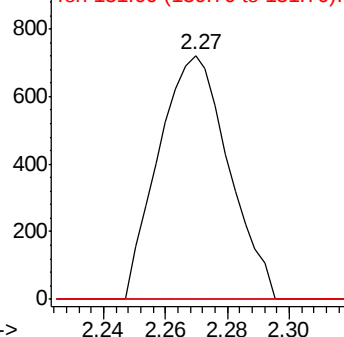
151 0.0 63.0 94.4#



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: 0.643 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU026947.D

Acq: 20 Sep 2018 20:46

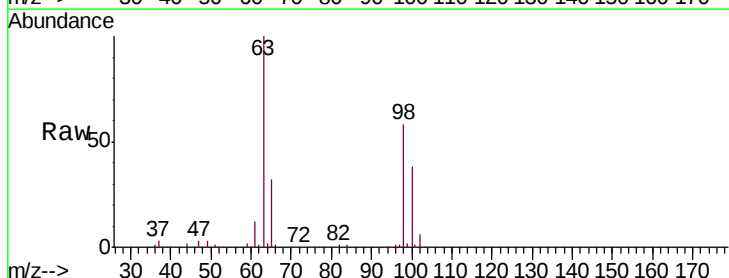
Tgt Ion: 96 Resp: 1124

Ion Ratio Lower Upper

96 100

61 1283.0 124.0 230.4#

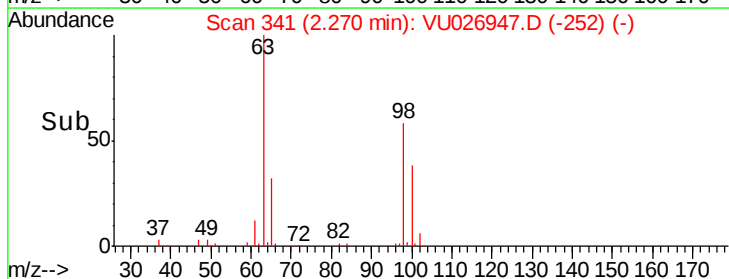
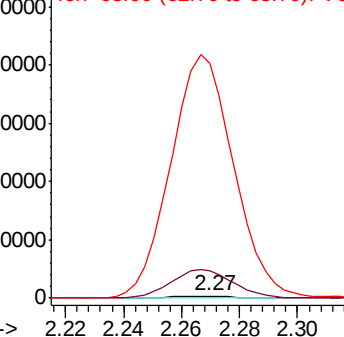
63 10779.1 97.7 181.5#

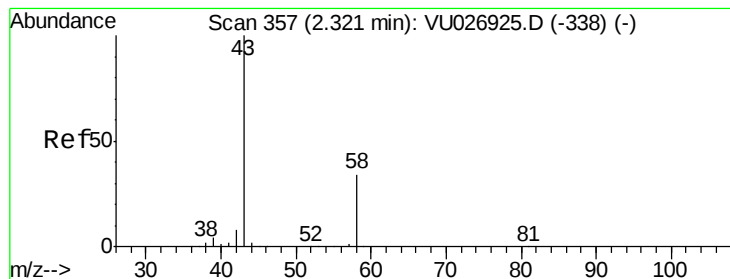


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.953 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU026947.D

Acq: 20 Sep 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

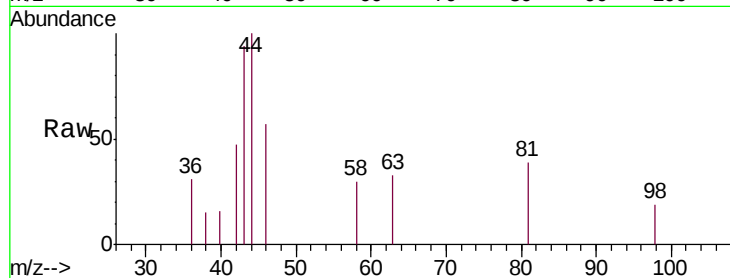
C08K7

Tgt Ion: 43 Resp: 1240

Ion Ratio Lower Upper

43 100

58 22.7 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU026925.D (-338) (-)

Ion 58.00 (57.70 to 58.70): VU026925.D (-338) (-)

2.32

600

400

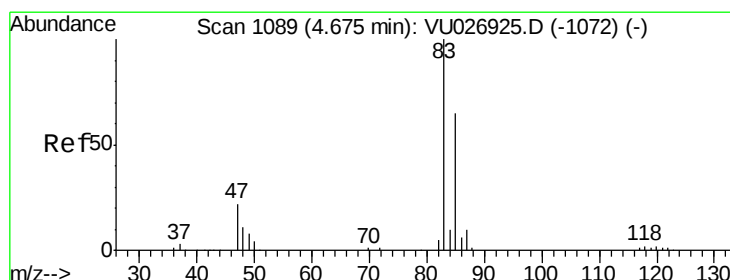
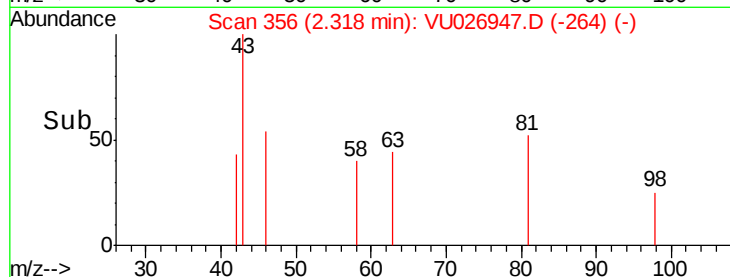
200

0

Time-->

2.30

2.35



#25

Chloroform

Concen: 3.189 ug/L

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU026947.D

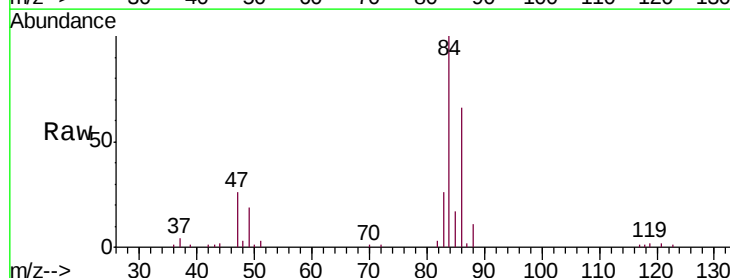
Acq: 20 Sep 2018 20:46

Tgt Ion: 83 Resp: 12003

Ion Ratio Lower Upper

83 100

85 66.9 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VU026925.D (-1072) (-)

Ion 85.00 (84.70 to 85.70): VU026925.D (-1072) (-)

4.67

6000

5000

4000

3000

2000

1000

0

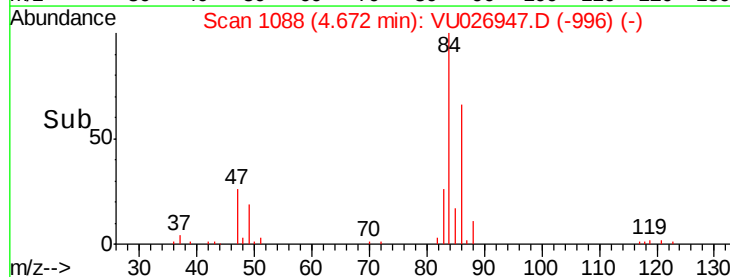
Time-->

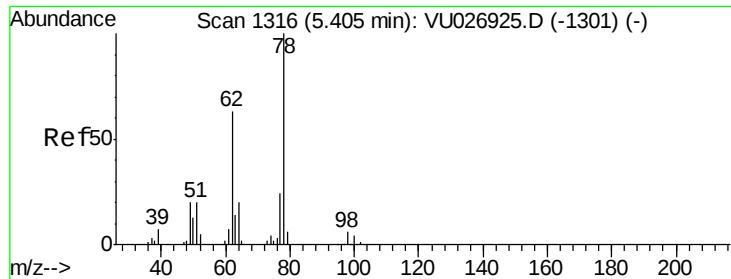
4.60

4.65

4.70

4.75





#27

1,2-Dichloroethane

Concen: 4.054 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.01 min

Lab File: VU026947.D

Acq: 20 Sep 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

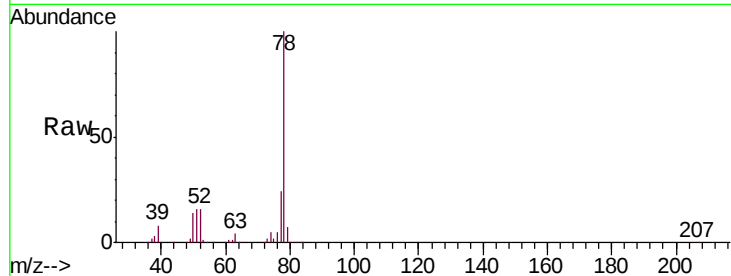
C08K7

Tgt Ion: 62 Resp: 11908

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



Abundance Ion 62.00 (61.70 to 62.70): VU026925.D (-1301) (-)

Ion 98.00 (97.70 to 98.70): VU026925.D (-1301) (-)

6000

5000

4000

3000

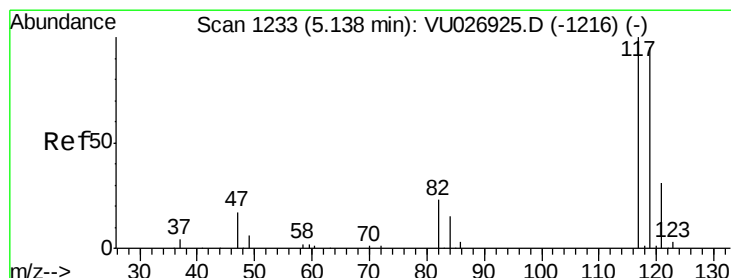
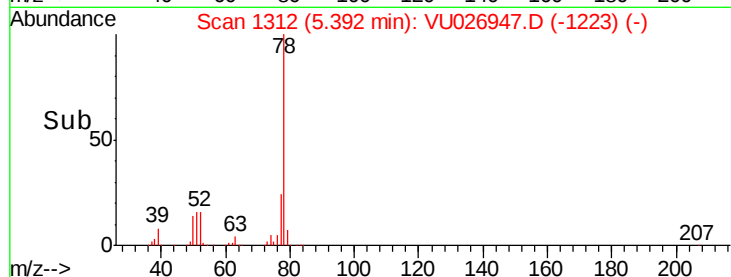
2000

1000

0

5.35 5.40 5.45

Time-->



#31

Carbon tetrachloride

Concen: 2.170 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU026947.D

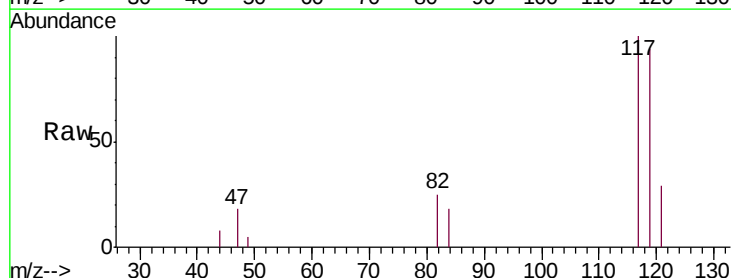
Acq: 20 Sep 2018 20:46

Tgt Ion: 117 Resp: 5919

Ion Ratio Lower Upper

117 100

119 100.8 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): VU026925.D (-1216) (-)

Ion 119.00 (118.70 to 119.70): VU026925.D (-1216) (-)

3000

2500

2000

1500

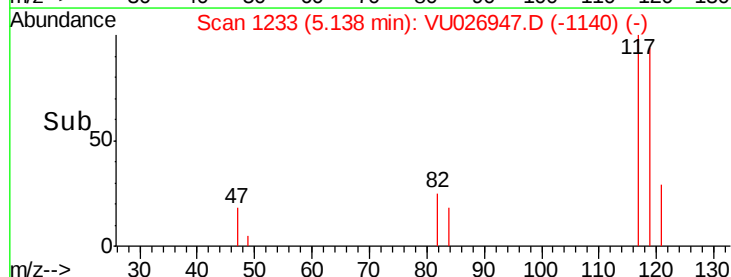
1000

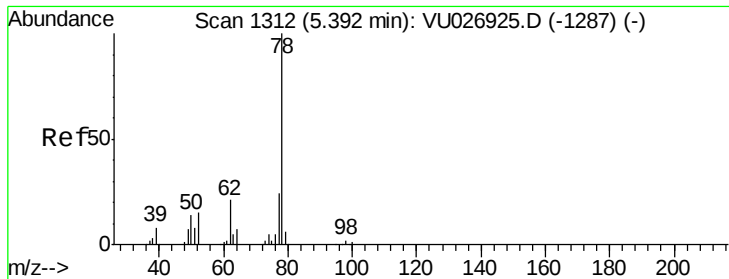
500

0

5.05 5.10 5.15 5.20

Time-->





#33

Benzene

Concen: 184.737 ug/L

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU026947.D

Acq: 20 Sep 2018 20:46

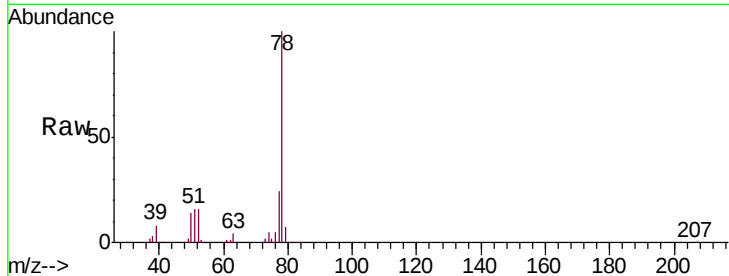
Instrument :

MSVOA_U

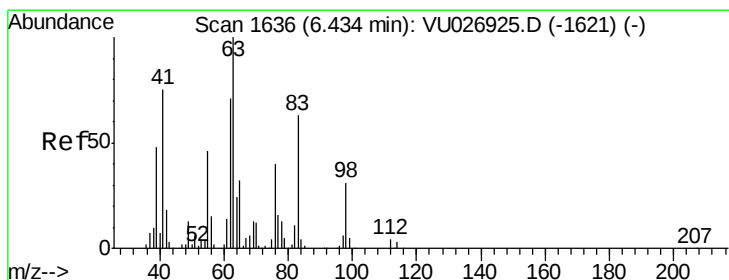
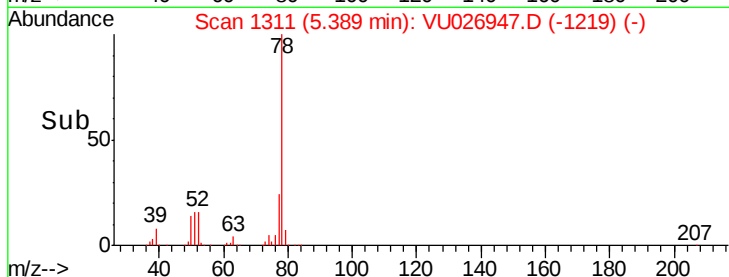
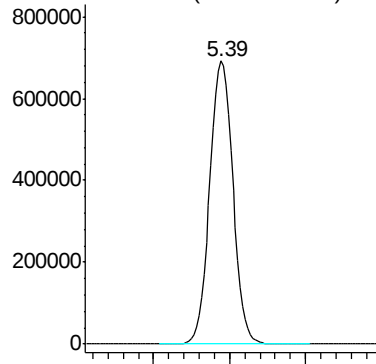
ClientSampleId :

C08K7

Tgt Ion: 78 Resp: 1465642



Abundance Ion 78.00 (77.70 to 78.70): VU0



#37

1,2-Dichloropropane

Concen: 5.255 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU026947.D

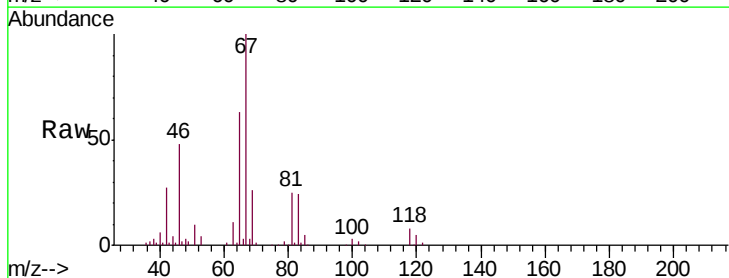
Acq: 20 Sep 2018 20:46

Tgt Ion: 63 Resp: 11453

Ion Ratio Lower Upper

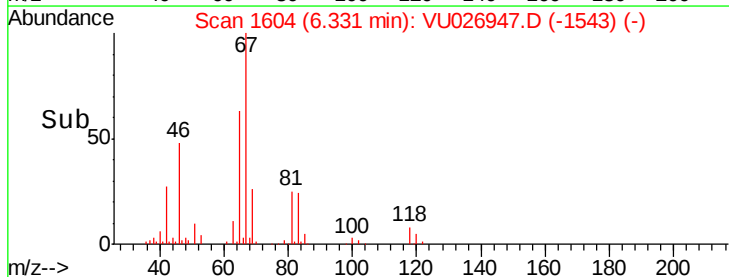
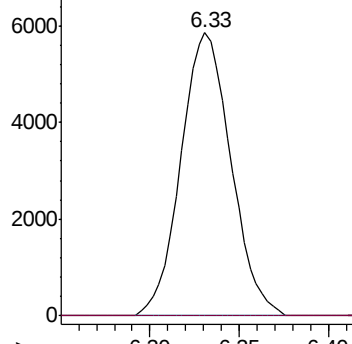
63 100

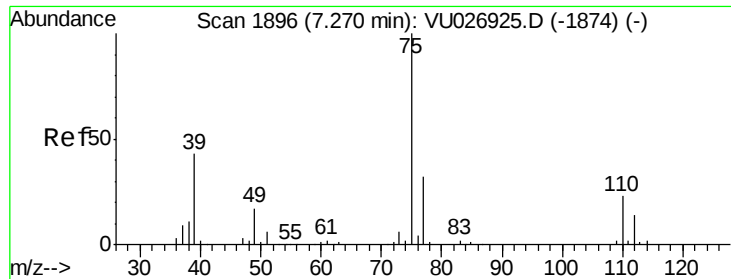
112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

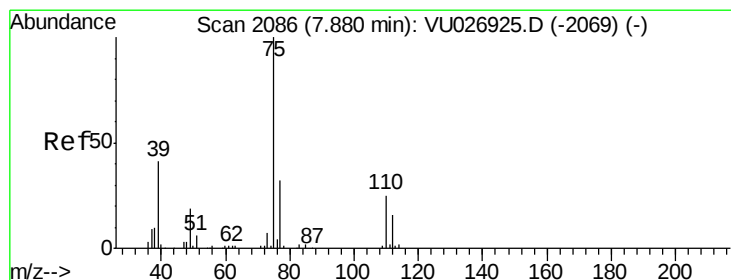
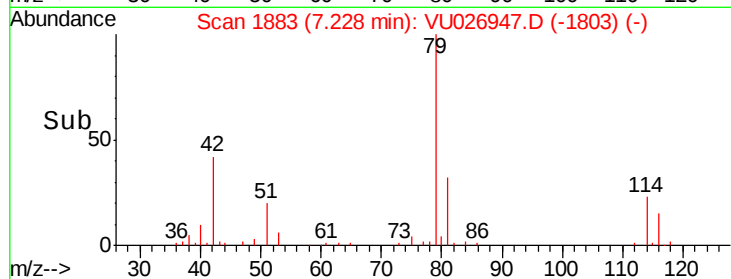
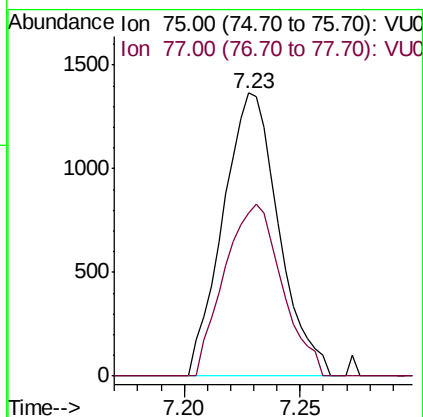
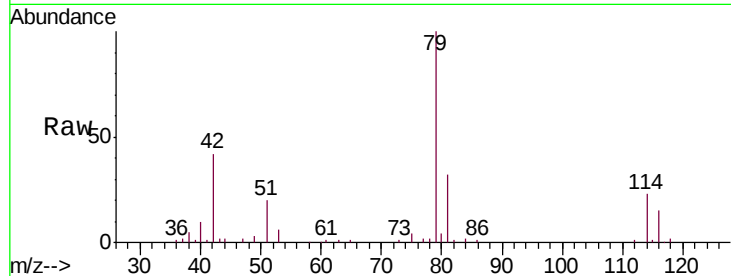




#39
 cis-1,3-Dichloropropene
 Concen: 0.743 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026947.D
 Acq: 20 Sep 2018 20:46

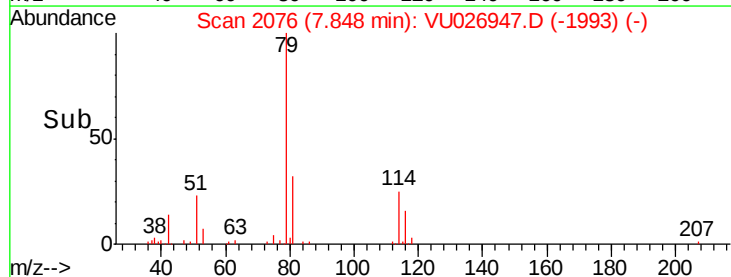
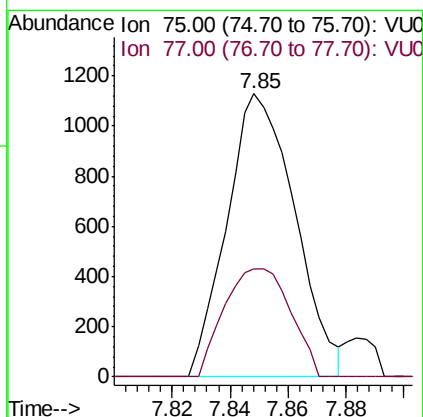
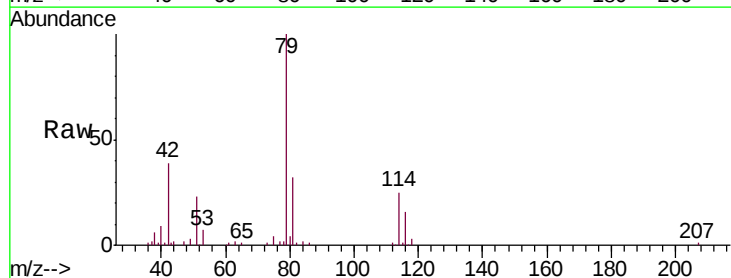
Instrument :
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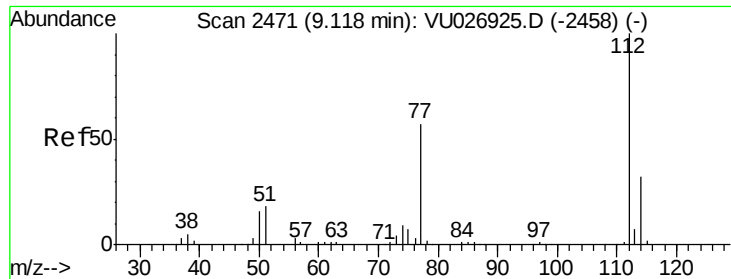
Tgt Ion: 75 Resp: 2288
 Ion Ratio Lower Upper
 75 100
 77 57.4 22.1 41.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.636 ug/L
 RT: 7.85 min Scan# 2076
 Delta R.T. -0.03 min
 Lab File: VU026947.D
 Acq: 20 Sep 2018 20:46

Tgt Ion: 75 Resp: 1834
 Ion Ratio Lower Upper
 75 100
 77 38.4 22.8 42.4

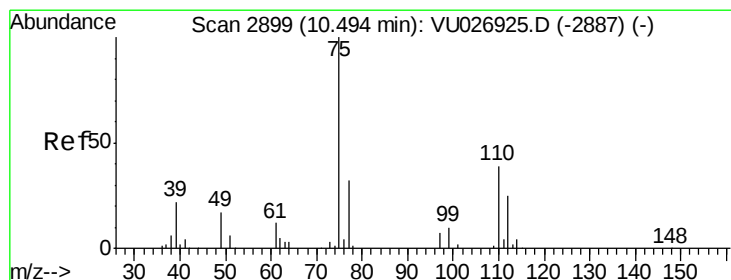
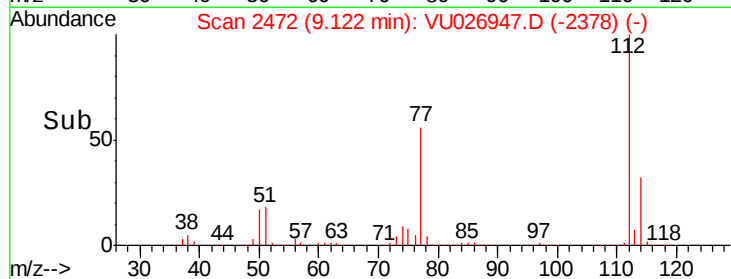
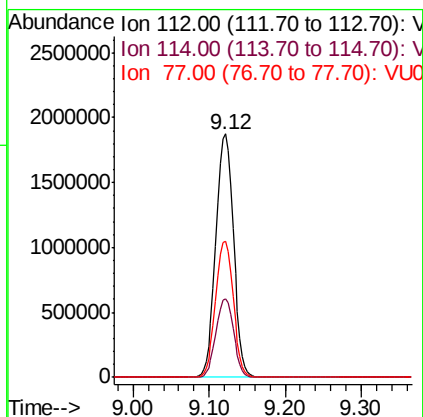
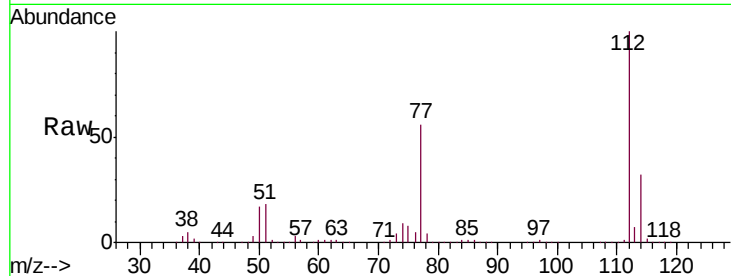




#51
Chlorobenzene
Concen: 553.763 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026947.D
Acq: 20 Sep 2018 20:46

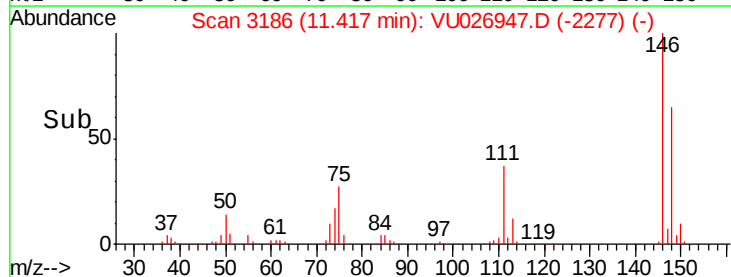
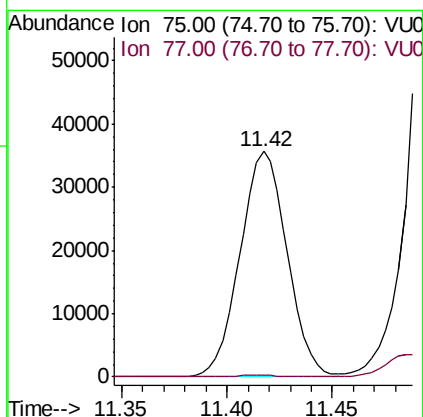
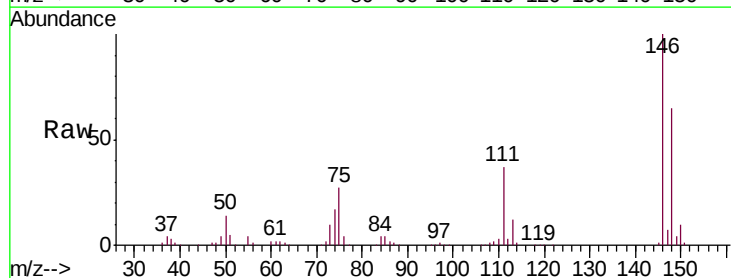
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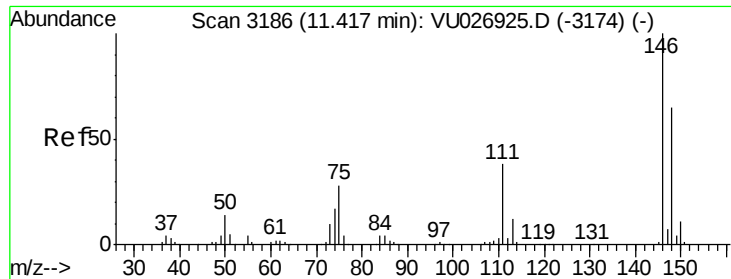
Tgt Ion: 112 Resp: 3016739
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.5
77 55.9 45.1 67.7



#59
1,2,3-Trichloropropane
Concen: 21.165 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. 0.92 min
Lab File: VU026947.D
Acq: 20 Sep 2018 20:46

Tgt Ion: 75 Resp: 55253
Ion Ratio Lower Upper
75 100
77 0.6 25.5 38.3#

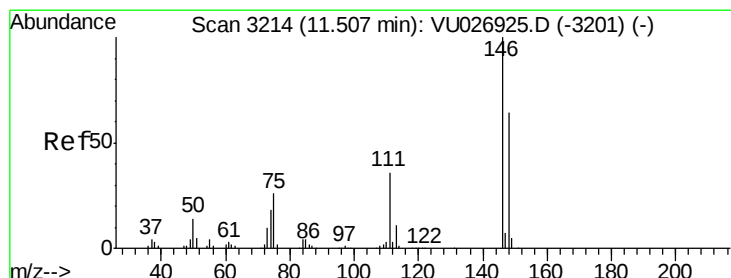
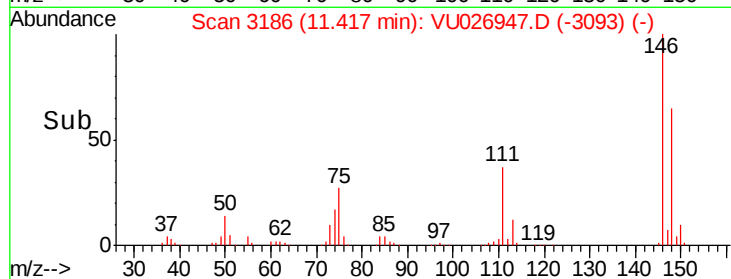
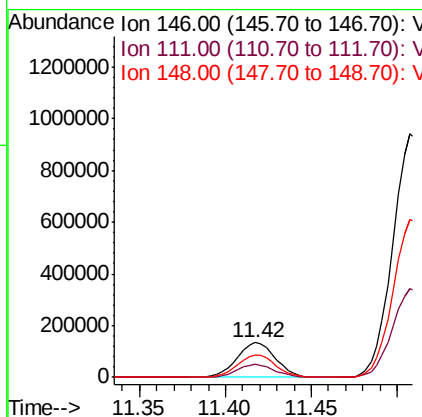
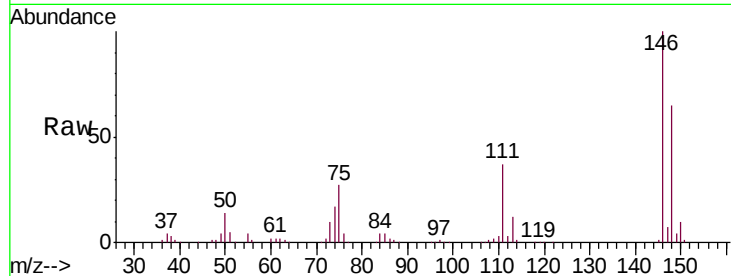




#62
 1,3-Dichlorobenzene
 Concen: 52.795 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026947.D
 Acq: 20 Sep 2018 20:46

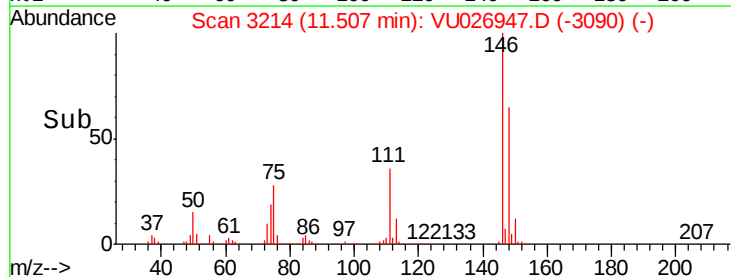
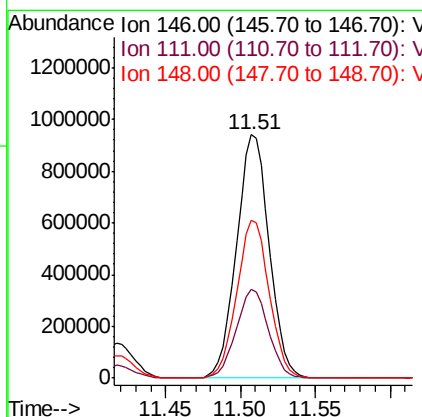
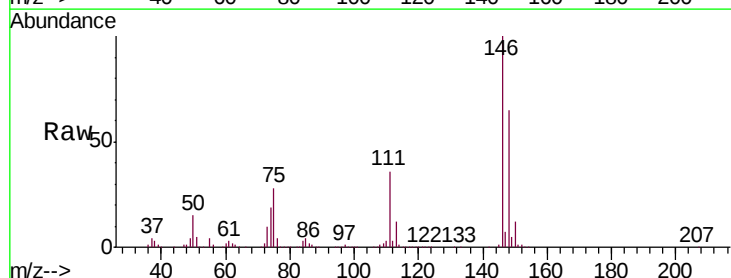
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K7

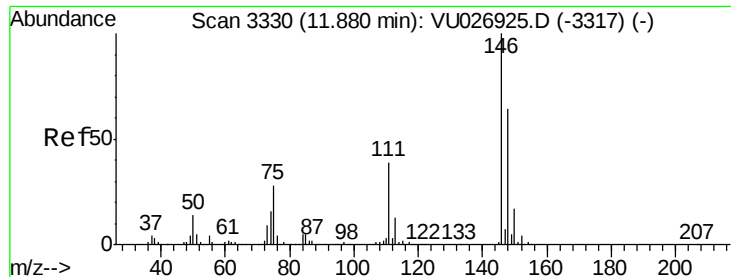
Tgt Ion:146 Resp: 207649
 Ion Ratio Lower Upper
 146 100
 111 37.3 26.7 49.7
 148 64.9 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 329.205 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026947.D
 Acq: 20 Sep 2018 20:46

Tgt Ion:146 Resp: 1425743
 Ion Ratio Lower Upper
 146 100
 111 36.3 26.0 48.2
 148 64.6 45.8 85.2

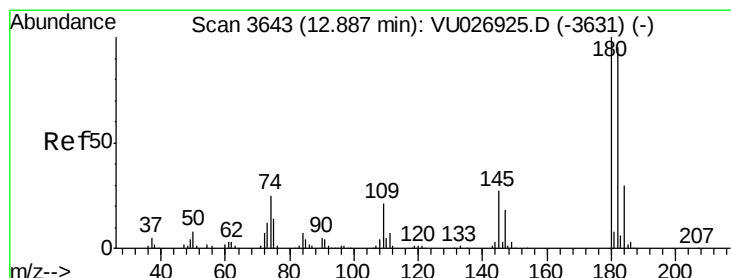
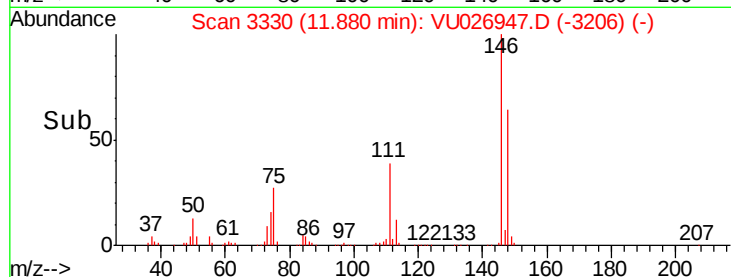
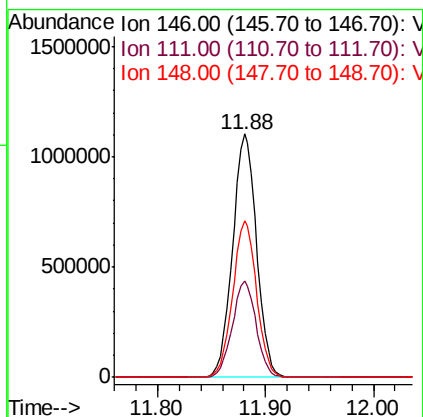
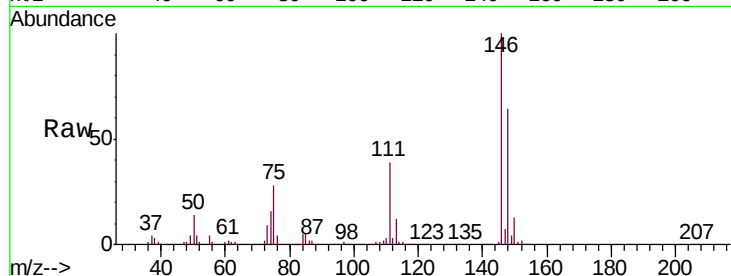




#65
 1,2-Dichlorobenzene
 Concen: 393.240 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026947.D
 Acq: 20 Sep 2018 20:46

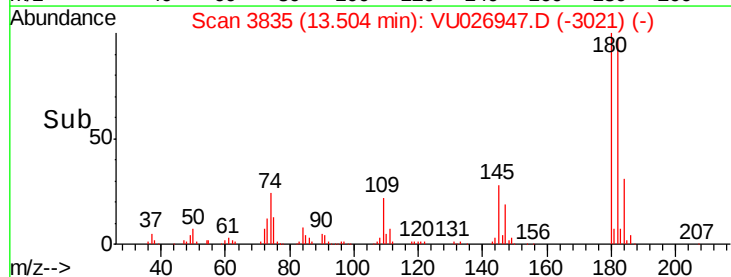
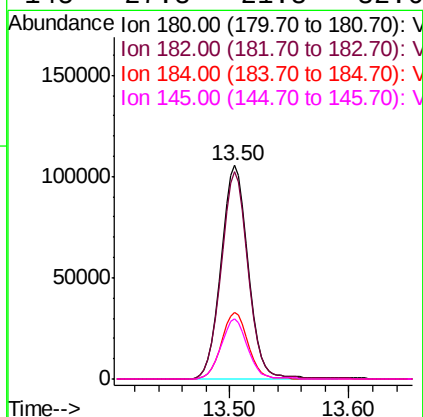
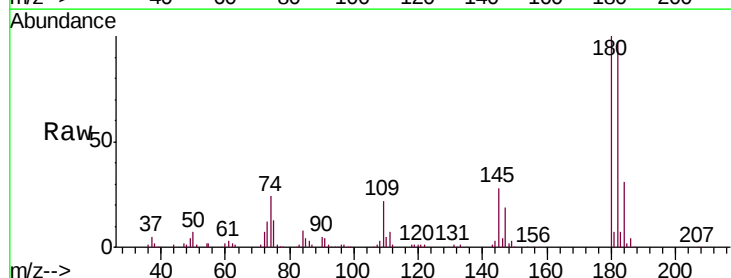
Instrument :
 MSVOA_U
 ClientSampled :
 C08K7

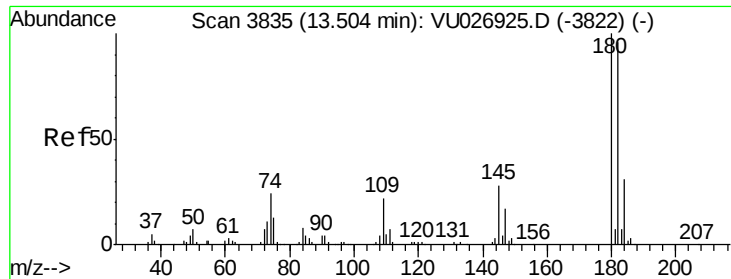
Tgt Ion:146 Resp: 1712553
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.4 47.0
 148 64.3 51.4 77.2



#67
 1,3,5-Trichlorobenzene
 Concen: 54.805 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.62 min
 Lab File: VU026947.D
 Acq: 20 Sep 2018 20:46

Tgt Ion:180 Resp: 166803
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.7 115.1
 184 30.8 24.2 36.4
 145 27.8 21.8 32.6

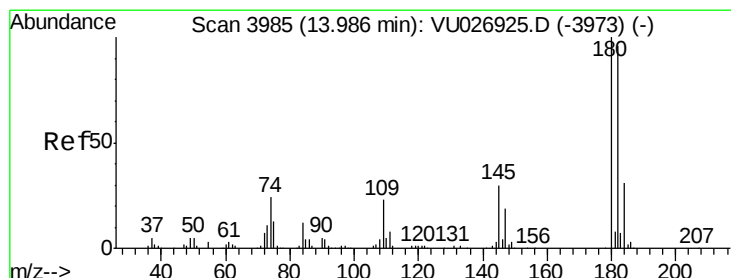
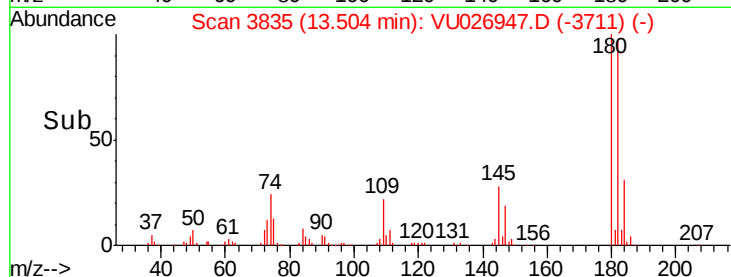
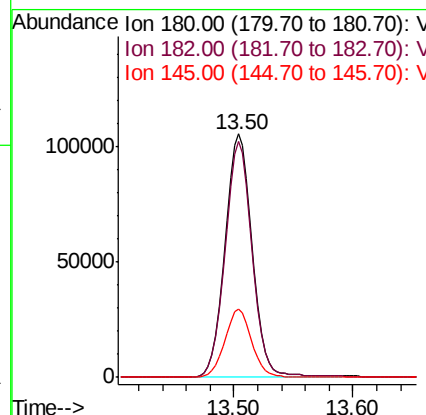
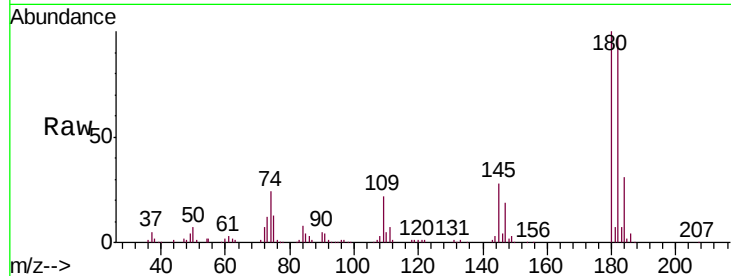




#68
 1,2,4-trichlorobenzene
 Concen: 63.598 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026947.D
 Acq: 20 Sep 2018 20:46

Instrument :
 MSVOA_U
 ClientSampled :
 C08K7

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.8	115.2
145	27.8	22.2	33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 21.012 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026947.D
 Acq: 20 Sep 2018 20:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.6	113.4
145	28.6	23.8	35.6

