

Data File : VU026945.D
Acq On : 20 Sep 2018 19:57
Operator : MD/SY
Sample : J5012-02 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08K4

Quant Time: Sep 21 06:03:10 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	198684	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	184050	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	74300	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	93604	63.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	127.38%
7) Chloroethane-d5	1.66	69	78570	62.46	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	124.92%
11) 1,1-Dichloroethene-d2	2.27	63	130610	46.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.94%
21) 2-Butanone-d5	4.18	46	150332	154.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	154.13%#
24) Chloroform-d	4.65	84	166270	60.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.98%
26) 1,2-Dichloroethane-d4	5.31	65	106209	61.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	123.74%
32) Benzene-d6	5.34	84	343183	66.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	133.06%#
36) 1,2-Dichloropropane-d6	6.33	67	110808	66.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	133.34%#
41) Toluene-d8	7.57	98	290807	62.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	124.82%#
43) trans-1,3-Dichloropropene-	7.85	79	46765	63.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	126.04%#
47) 2-Hexanone-d5	8.31	63	107715	164.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	164.91%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	154692	66.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	133.50%#
64) 1,2-Dichlorobenzene-d4	11.86	152	120160	77.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	155.48%#

Target Compounds

					Qvalue
6) Bromomethane	1.61	94	687	0.746 ug/L	76
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1245	0.908 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1038	0.806 ug/L #	1
13) Acetone	2.32	43	841	0.877 ug/L	92
33) Benzene	5.39	78	4637	0.813 ug/L	100
35) Methylcyclohexane	6.33	83	26294	11.780 ug/L #	19
37) 1,2-Dichloropropane	6.33	63	11645	7.429 ug/L #	86
40) 4-Methyl-2-pentanone	7.57	43	1143	0.614 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1912	0.922 ug/L #	68
48) 2-Hexanone	8.31	43	12304	8.190 ug/L #	67
51) Chlorobenzene	9.12	112	49977	12.755 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	1803	0.960 ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	7172	3.166 ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	76242	30.569 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	57602	22.968 ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	83063	47.390 ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	83063	54.994 ug/L	98

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

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

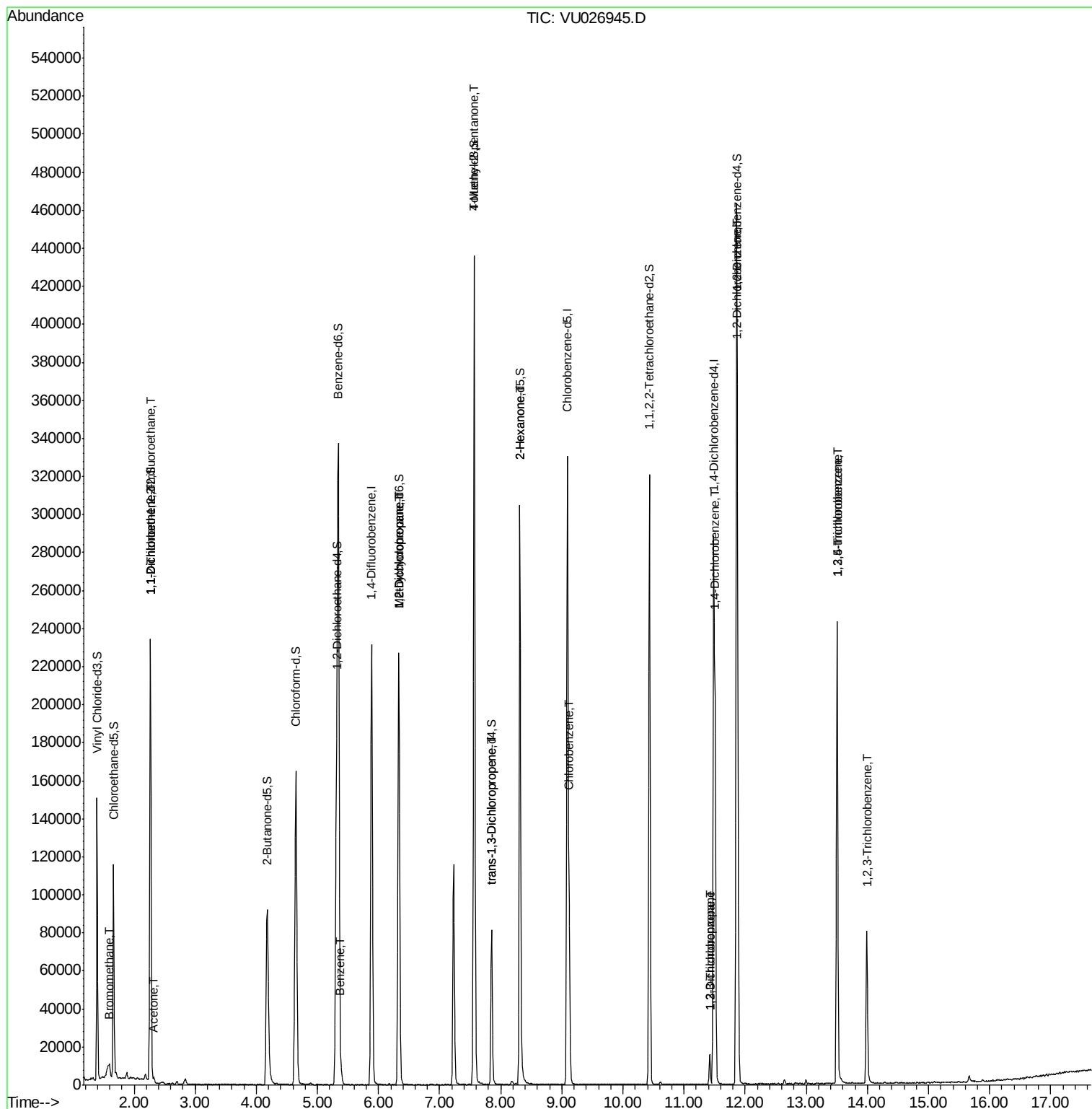
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.99	180	29380	17.664	ug/L	99

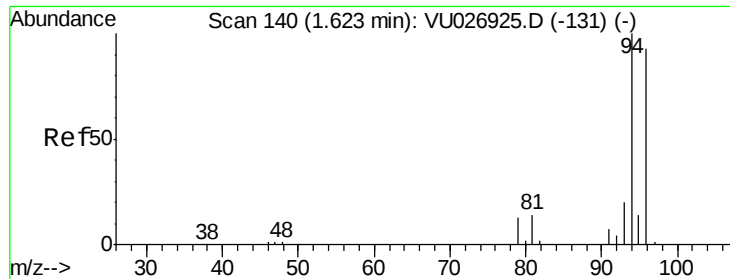
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.746 ug/L

RT: 1.61 min Scan# 135

Delta R.T. -0.02 min

Lab File: VU026945.D

Acq: 20 Sep 2018 19:57

Instrument :

MSVOA_U

ClientSampled :

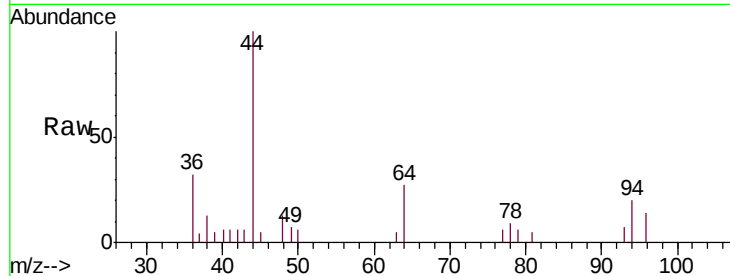
C08K4

Tgt Ion: 94 Resp: 687

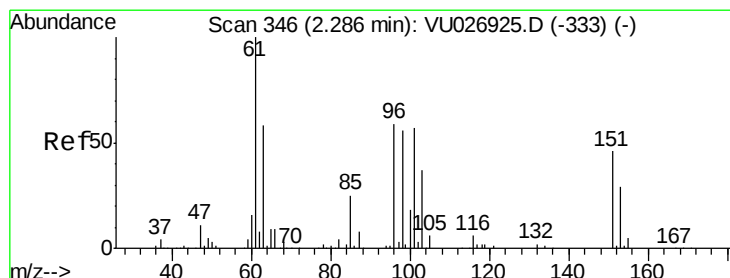
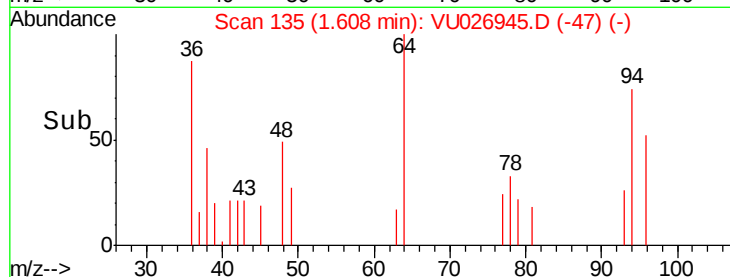
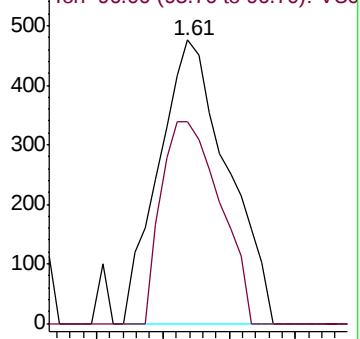
Ion Ratio Lower Upper

94 100

96 71.2 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU026945.D (-131) (-)



#10

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

Concen: 0.908 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU026945.D

Acq: 20 Sep 2018 19:57

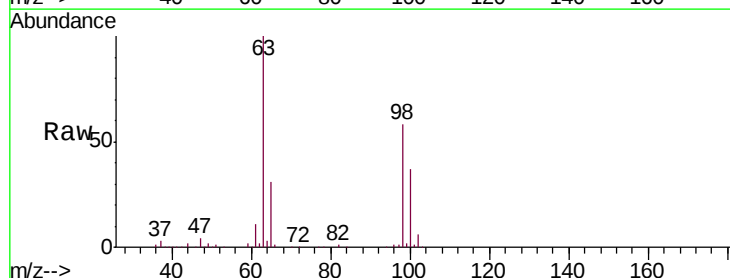
Tgt Ion: 101 Resp: 1245

Ion Ratio Lower Upper

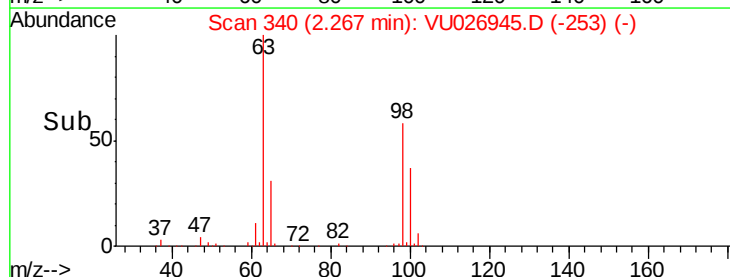
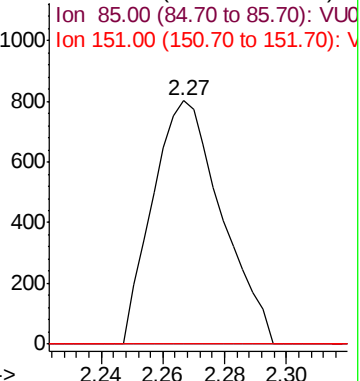
101 100

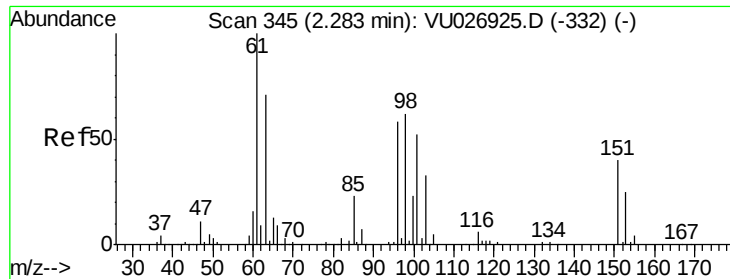
85 0.0 34.6 52.0#

151 0.0 63.0 94.4#



Abundance Ion 101.00 (100.70 to 101.70): VU026945.D (-333) (-)

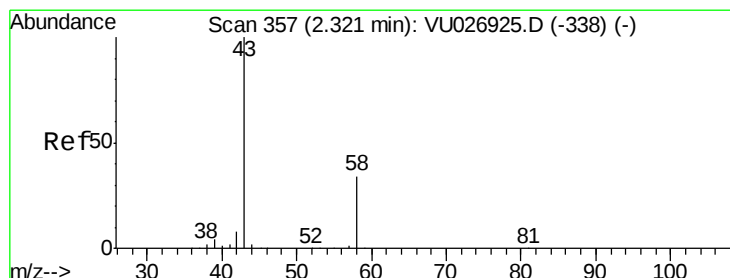
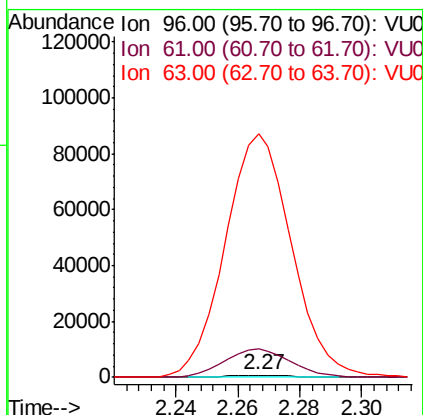
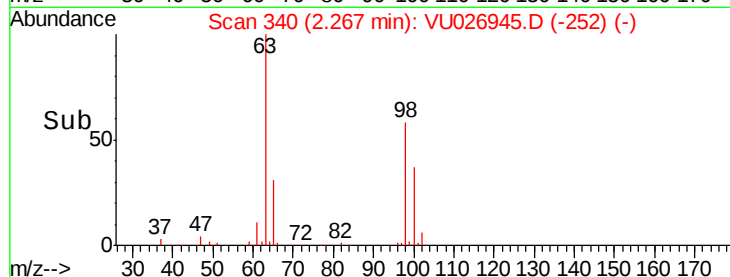
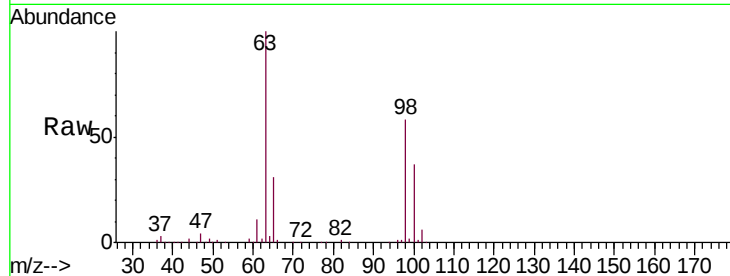




#12
 1,1-Dichloroethene
 Concen: 0.806 ug/L
 RT: 2.27 min Scan# 340
 Delta R.T. -0.02 min
 Lab File: VU026945.D
 Acq: 20 Sep 2018 19:57

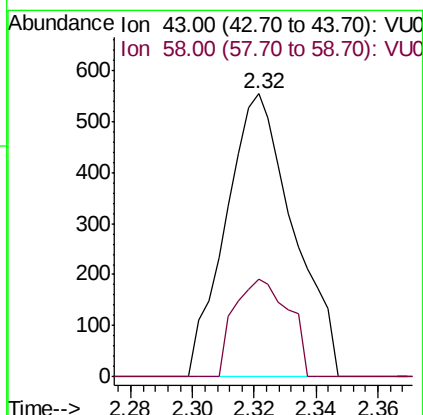
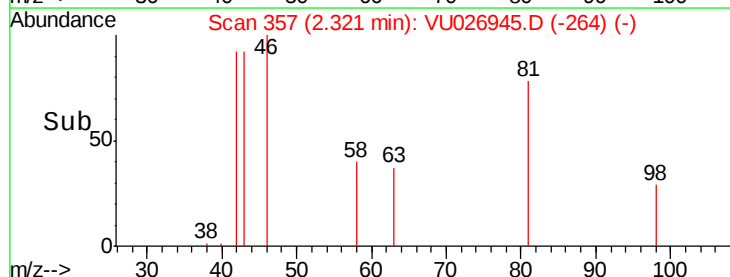
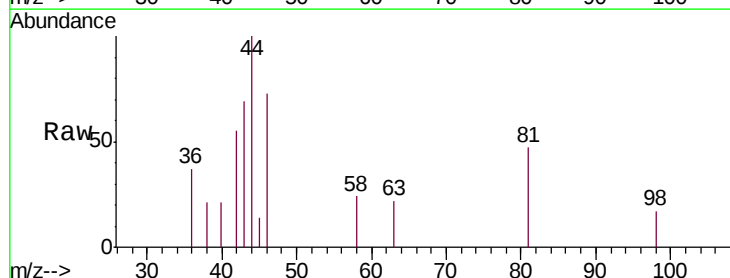
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K4

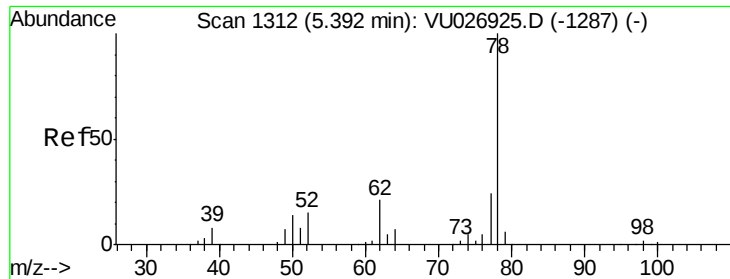
Tgt Ion: 96 Resp: 1038
 Ion Ratio Lower Upper
 96 100
 61 1506.3 124.0 230.4#
 63 13125.3 97.7 181.5#



#13
 Acetone
 Concen: 0.877 ug/L
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU026945.D
 Acq: 20 Sep 2018 19:57

Tgt Ion: 43 Resp: 841
 Ion Ratio Lower Upper
 43 100
 58 27.8 0.0 64.6





#33

Benzene

Concen: 0.813 ug/L

RT: 5.39 min Scan# 1310

Delta R.T. -0.01 min

Lab File: VU026945.D

Acq: 20 Sep 2018 19:57

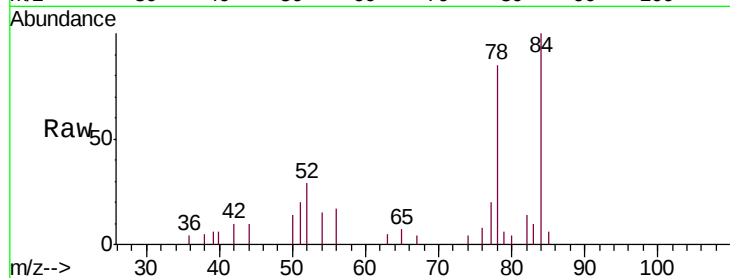
Instrument :

MSVOA_U

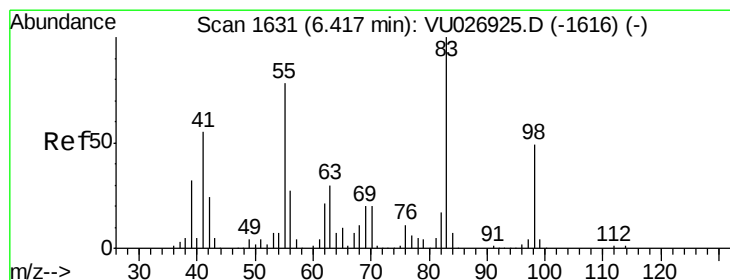
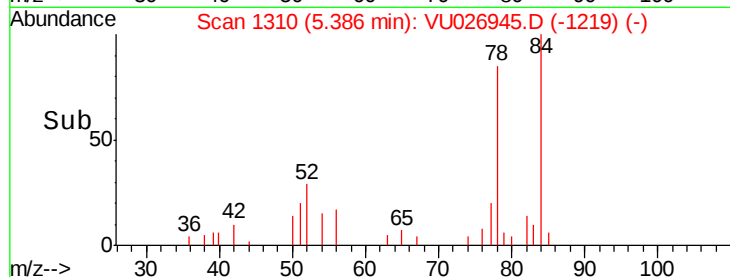
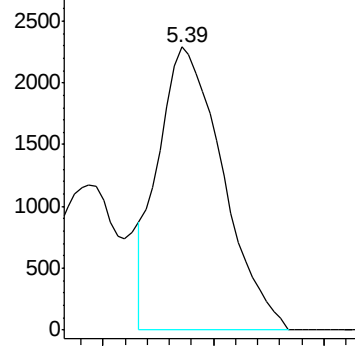
ClientSampleId :

C08K4

Tgt Ion: 78 Resp: 4637



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 11.780 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VU026945.D

Acq: 20 Sep 2018 19:57

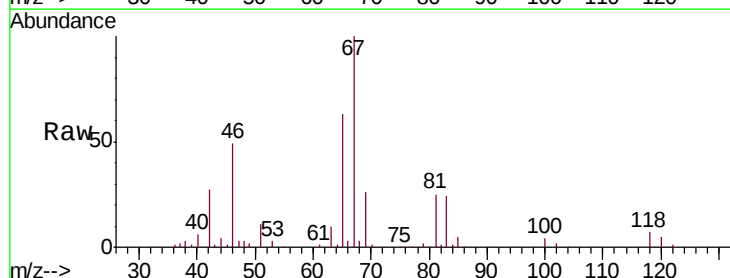
Tgt Ion: 83 Resp: 26294

Ion Ratio Lower Upper

83 100

55 0.2 61.7 92.5#

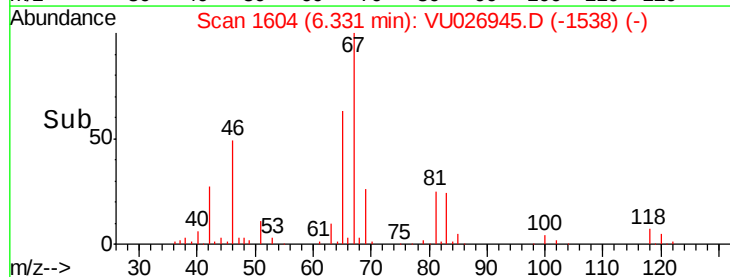
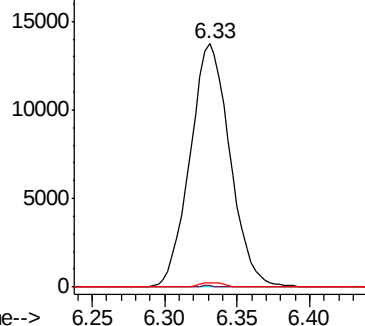
98 1.1 38.3 57.5#

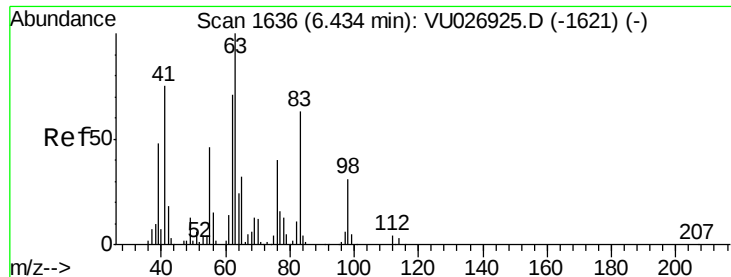


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 7.429 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU026945.D

Acq: 20 Sep 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

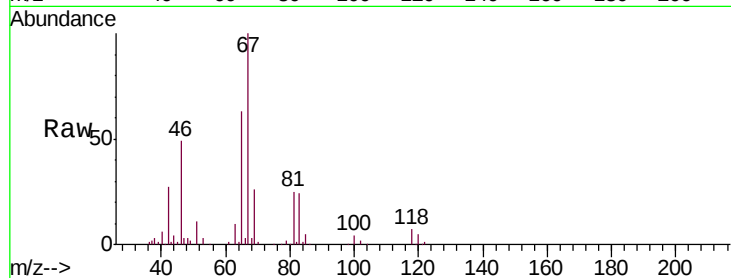
C08K4

Tgt Ion: 63 Resp: 11645

Ion Ratio Lower Upper

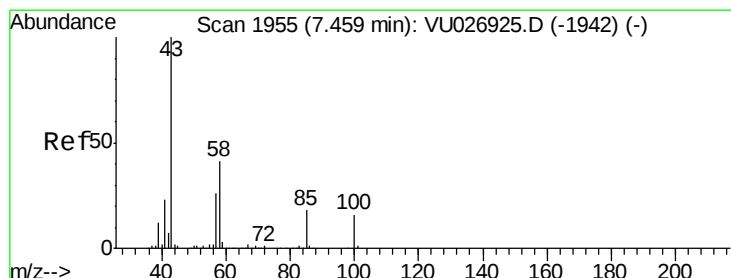
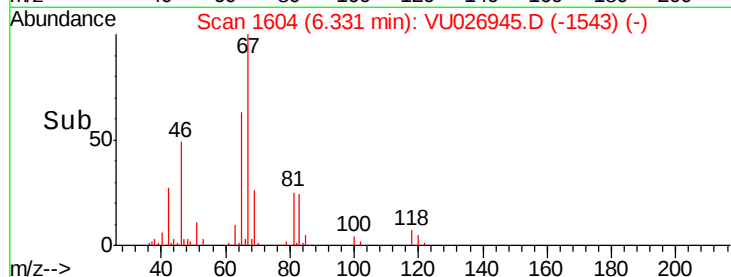
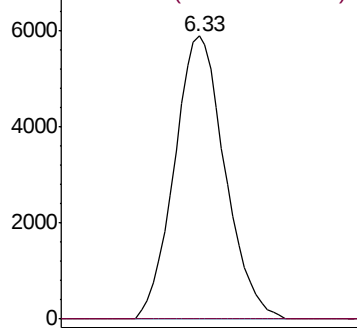
63 100

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



#40

4-Methyl-2-pentanone

Concen: 0.614 ug/L

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU026945.D

Acq: 20 Sep 2018 19:57

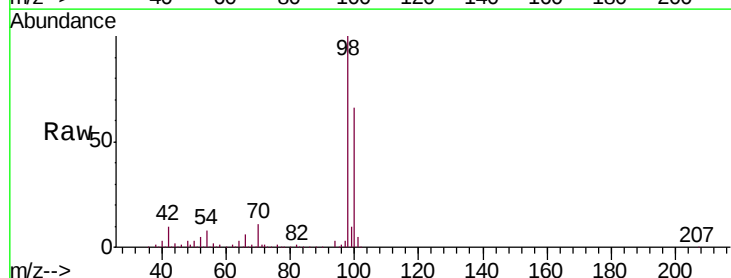
Tgt Ion: 43 Resp: 1143

Ion Ratio Lower Upper

43 100

58 188.6 32.0 48.0#

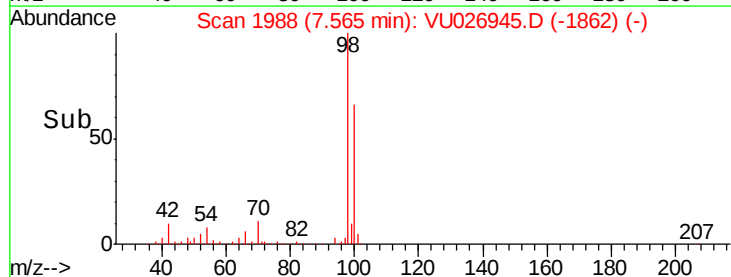
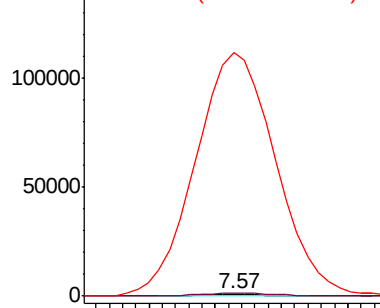
100 16615.8 12.6 19.0#

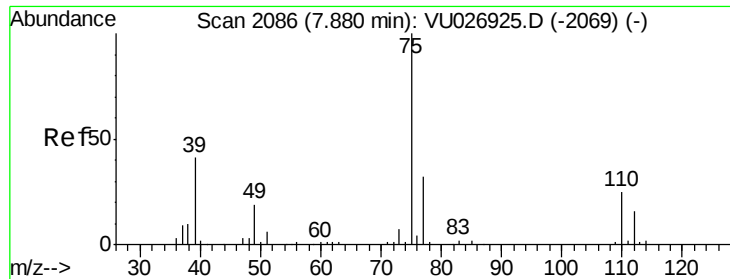


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

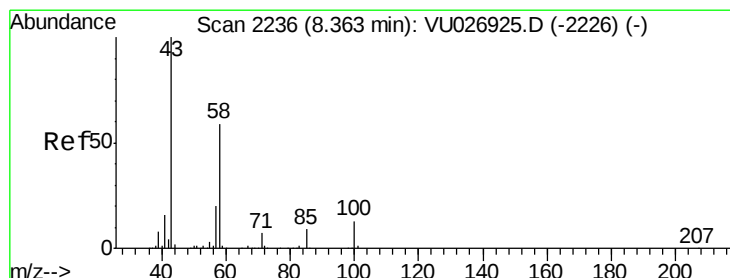
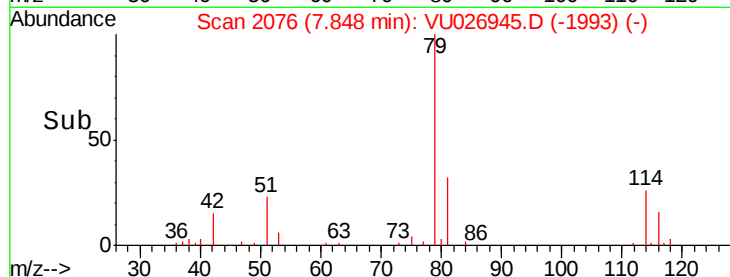
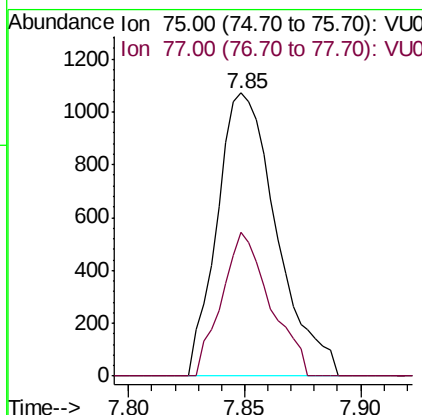
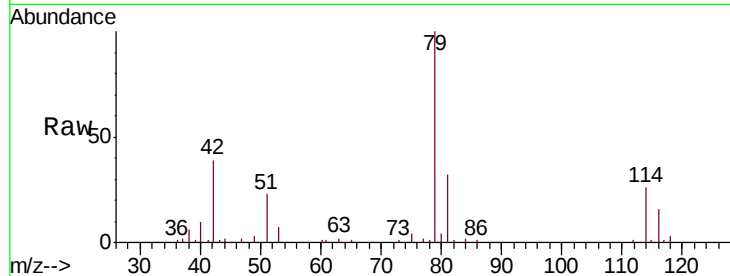




#44
trans-1,3-Dichloropropene
Concen: 0.922 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU026945.D
Acq: 20 Sep 2018 19:57

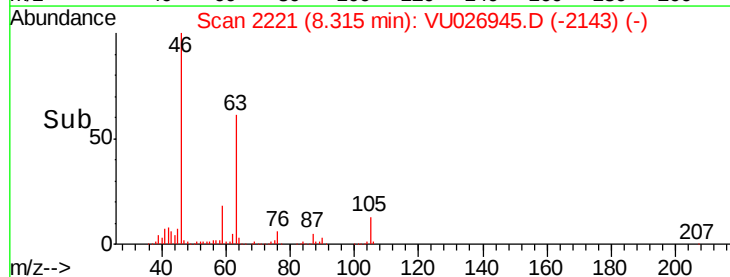
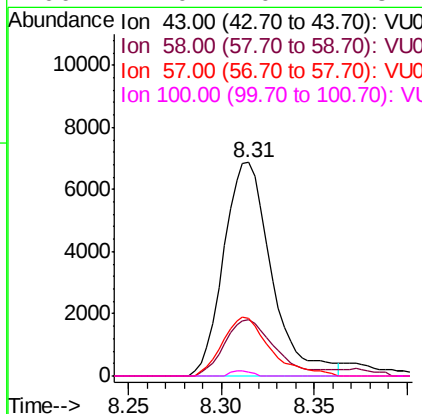
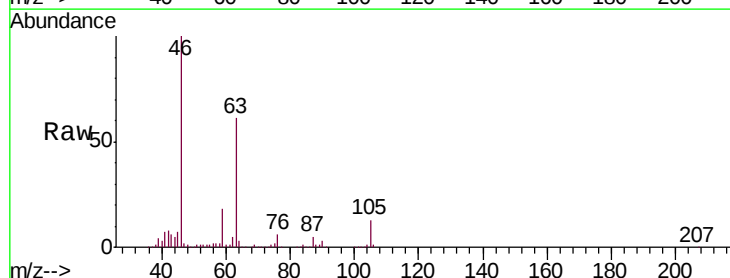
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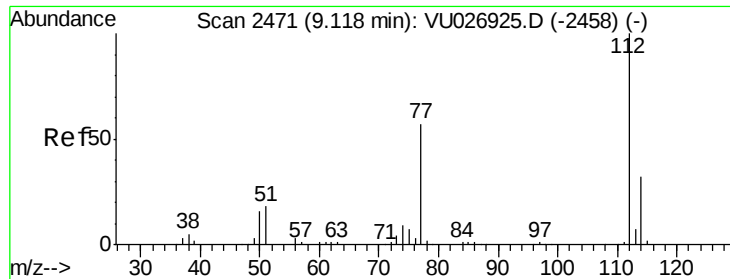
Tgt Ion: 75 Resp: 1912
Ion Ratio Lower Upper
75 100
77 50.7 22.8 42.4#



#48
2-Hexanone
Concen: 8.190 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU026945.D
Acq: 20 Sep 2018 19:57

Tgt Ion: 43 Resp: 12304
Ion Ratio Lower Upper
43 100
58 27.2 44.9 67.3#
57 27.6 15.4 23.2#
100 1.0 10.2 15.4#

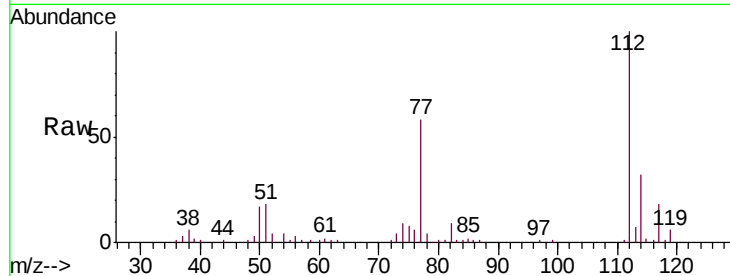




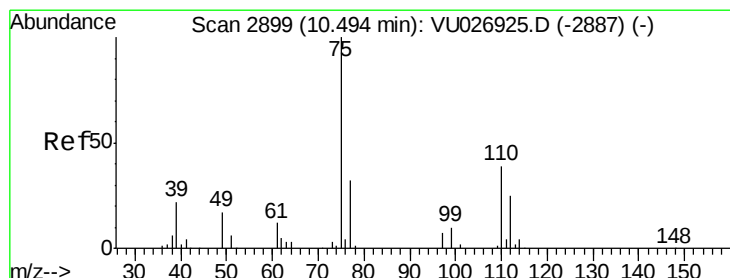
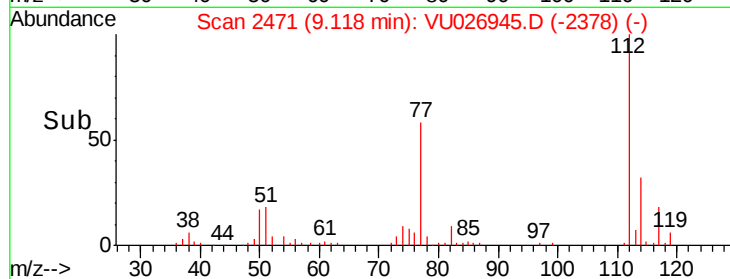
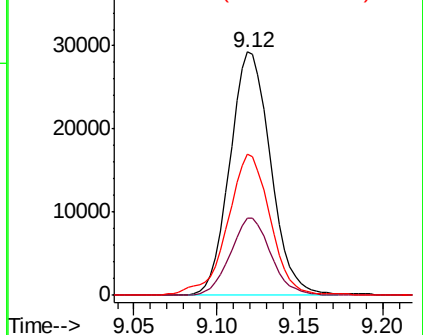
#51
Chlorobenzene
Concen: 12.755 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU026945.D
Acq: 20 Sep 2018 19:57

Instrument :
MSVOA_U
ClientSampleId :
C08K4

Tgt Ion: 112 Resp: 49977
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 57.8 45.1 67.7

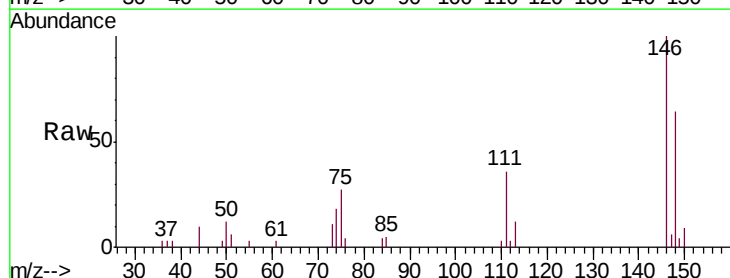


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

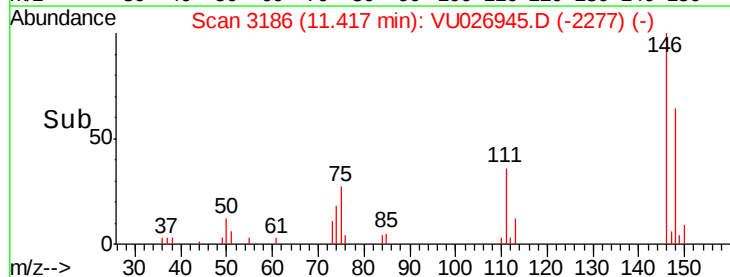
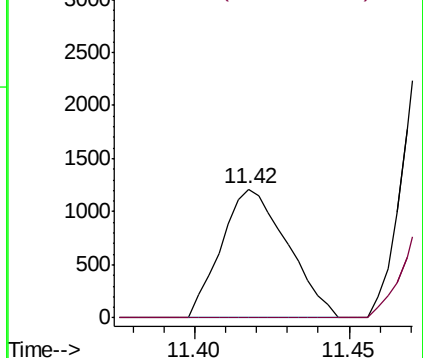


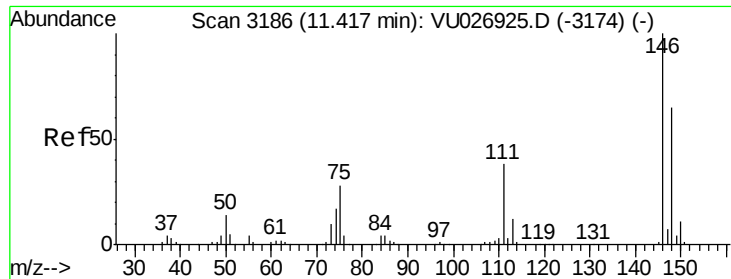
#59
1,2,3-Trichloropropane
Concen: 0.960 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. 0.92 min
Lab File: VU026945.D
Acq: 20 Sep 2018 19:57

Tgt Ion: 75 Resp: 1803
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

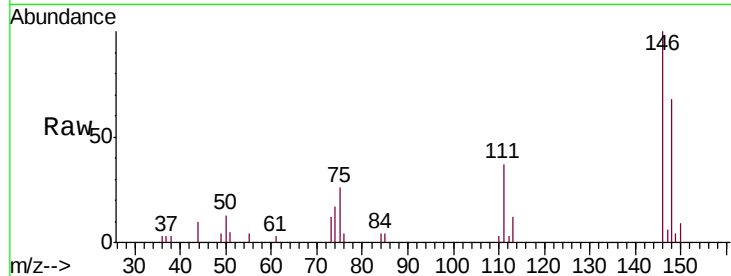




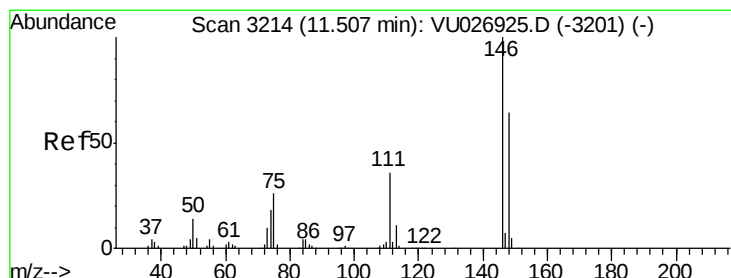
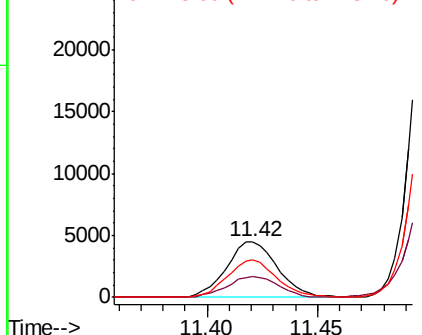
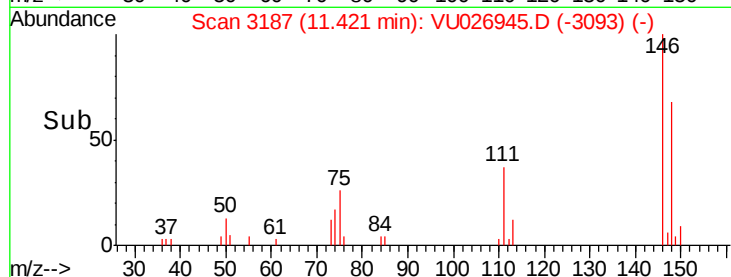
#62
 1,3-Dichlorobenzene
 Concen: 3.166 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026945.D
 Acq: 20 Sep 2018 19:57

Instrument :
 MSVOA_U
 ClientSampled :
 C08K4

Tgt Ion:146 Resp: 7172
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.7 49.7
 148 67.5 44.9 83.5

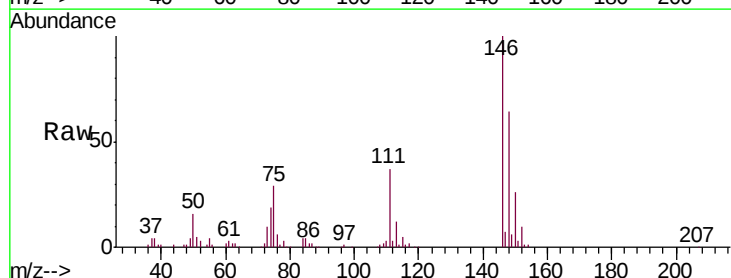


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

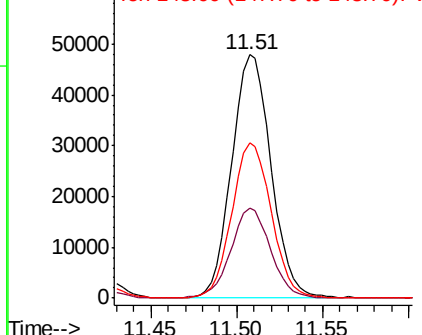
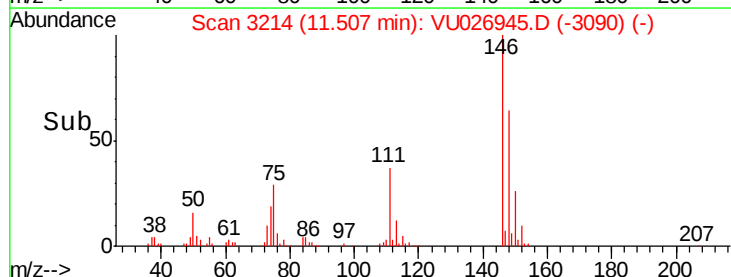


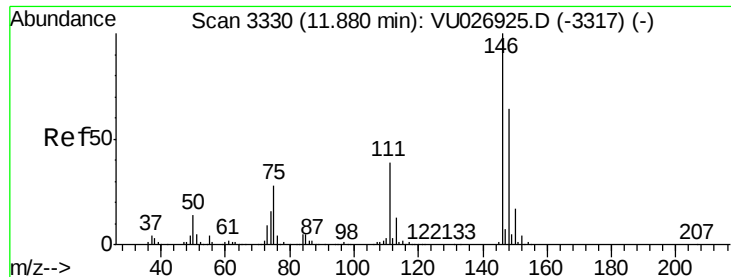
#63
 1,4-Dichlorobenzene
 Concen: 30.569 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026945.D
 Acq: 20 Sep 2018 19:57

Tgt Ion:146 Resp: 76242
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.0 48.2
 148 64.0 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: 22.968 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026945.D

Acq: 20 Sep 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

C08K4

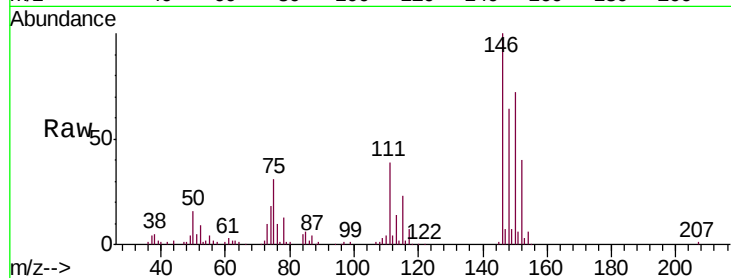
Tgt Ion:146 Resp: 57602

Ion Ratio Lower Upper

146 100

111 38.9 31.4 47.0

148 63.7 51.4 77.2

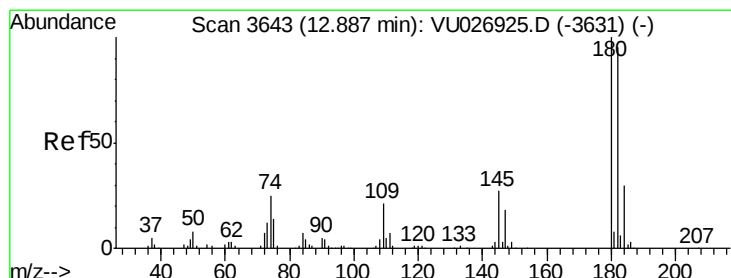
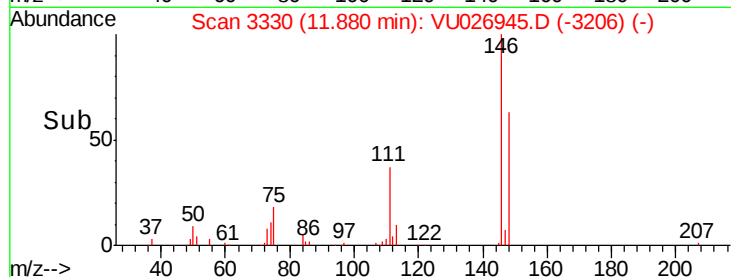
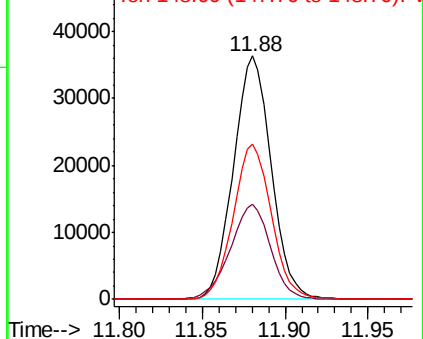


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 47.390 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. 0.62 min

Lab File: VU026945.D

Acq: 20 Sep 2018 19:57

Tgt Ion:180 Resp: 83063

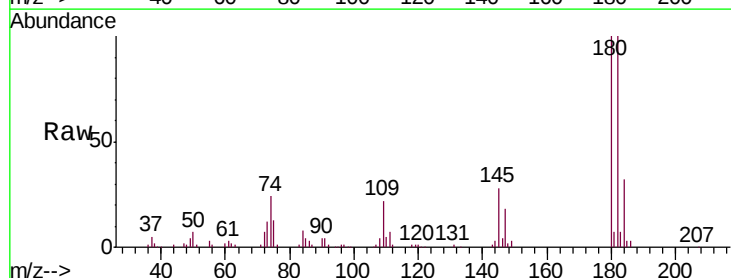
Ion Ratio Lower Upper

180 100

182 98.2 76.7 115.1

184 31.6 24.2 36.4

145 27.2 21.8 32.6



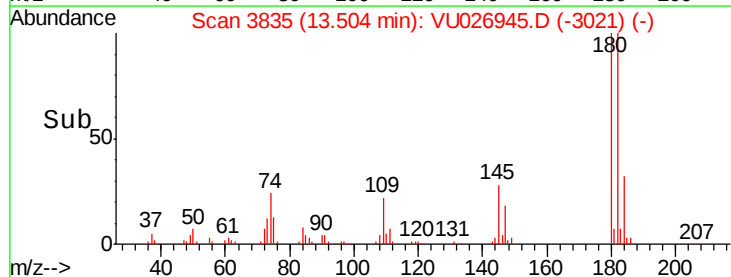
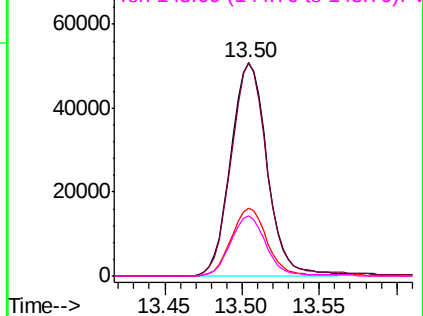
Abundance

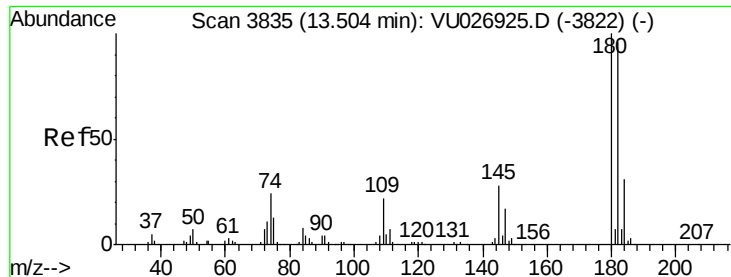
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

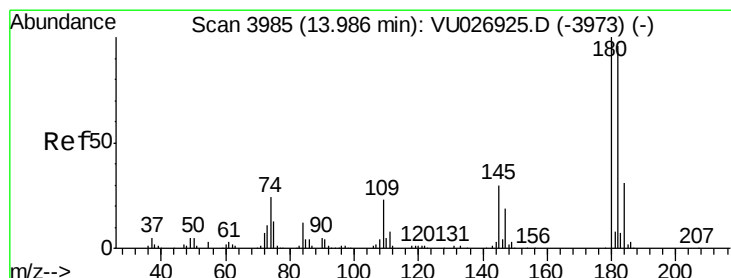
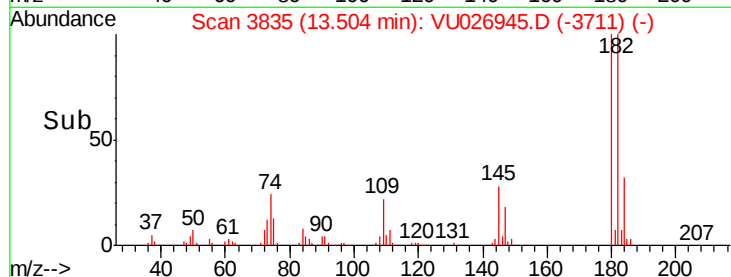
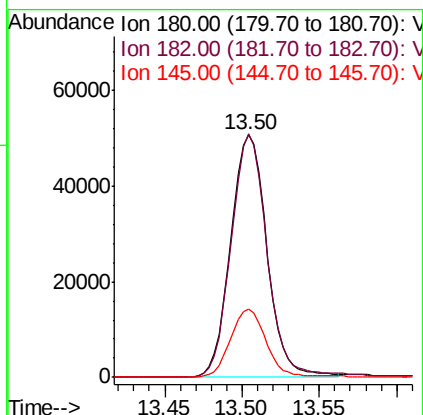
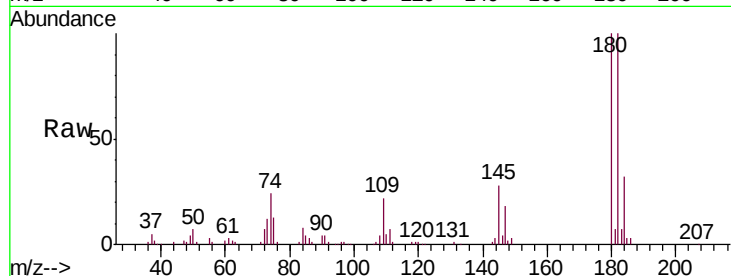




#68
 1,2,4-trichlorobenzene
 Concen: 54.994 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026945.D
 Acq: 20 Sep 2018 19:57

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K4

Tgt Ion:180 Resp: 83063
 Ion Ratio Lower Upper
 180 100
 182 98.2 76.8 115.2
 145 27.2 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 17.664 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026945.D
 Acq: 20 Sep 2018 19:57

Tgt Ion:180 Resp: 29380
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.6 113.4
 145 29.5 23.8 35.6

