

Data File : VU026879.D
Acq On : 18 Sep 2018 21:50
Operator : MD/SY
Sample : J4896-06DL 500X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08K9DL

Quant Time: Sep 19 07:40:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 07:38:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	222805	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	215252	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91441	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55473	33.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.32%
7) Chloroethane-d5	1.68	69	54029	38.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.60%
11) 1,1-Dichloroethene-d2	2.27	63	84350	27.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.10%#
21) 2-Butanone-d5	4.18	46	122261	111.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.78%
24) Chloroform-d	4.65	84	131923	43.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.30%
26) 1,2-Dichloroethane-d4	5.31	65	87320	45.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.72%
32) Benzene-d6	5.34	84	248183	41.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.28%
36) 1,2-Dichloropropane-d6	6.33	67	86759	44.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.28%
41) Toluene-d8	7.57	98	201507	36.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.94%#
43) trans-1,3-Dichloropropene-	7.85	79	34458	39.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.42%
47) 2-Hexanone-d5	8.31	63	81388	106.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	128065	47.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	92314	48.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.06%

Target Compounds

					Qvalue
13) Acetone	2.32	43	812	0.755 ug/L	70
16) Methylene chloride	2.70	84	1702	0.927 ug/L	98
33) Benzene	5.39	78	17102	2.563 ug/L	100
35) Methylcyclohexane	6.33	83	20550	7.872 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	9346	5.098 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2052	0.792 ug/L #	74
48) 2-Hexanone	8.31	43	9818	5.588 ug/L #	67
51) Chlorobenzene	9.12	112	264563	57.733 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	3145	1.432 ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	11592	4.158 ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	57167	18.624 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	85523	27.708 ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	22295	10.336 ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	22295	11.994 ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	5993	2.928 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091818\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

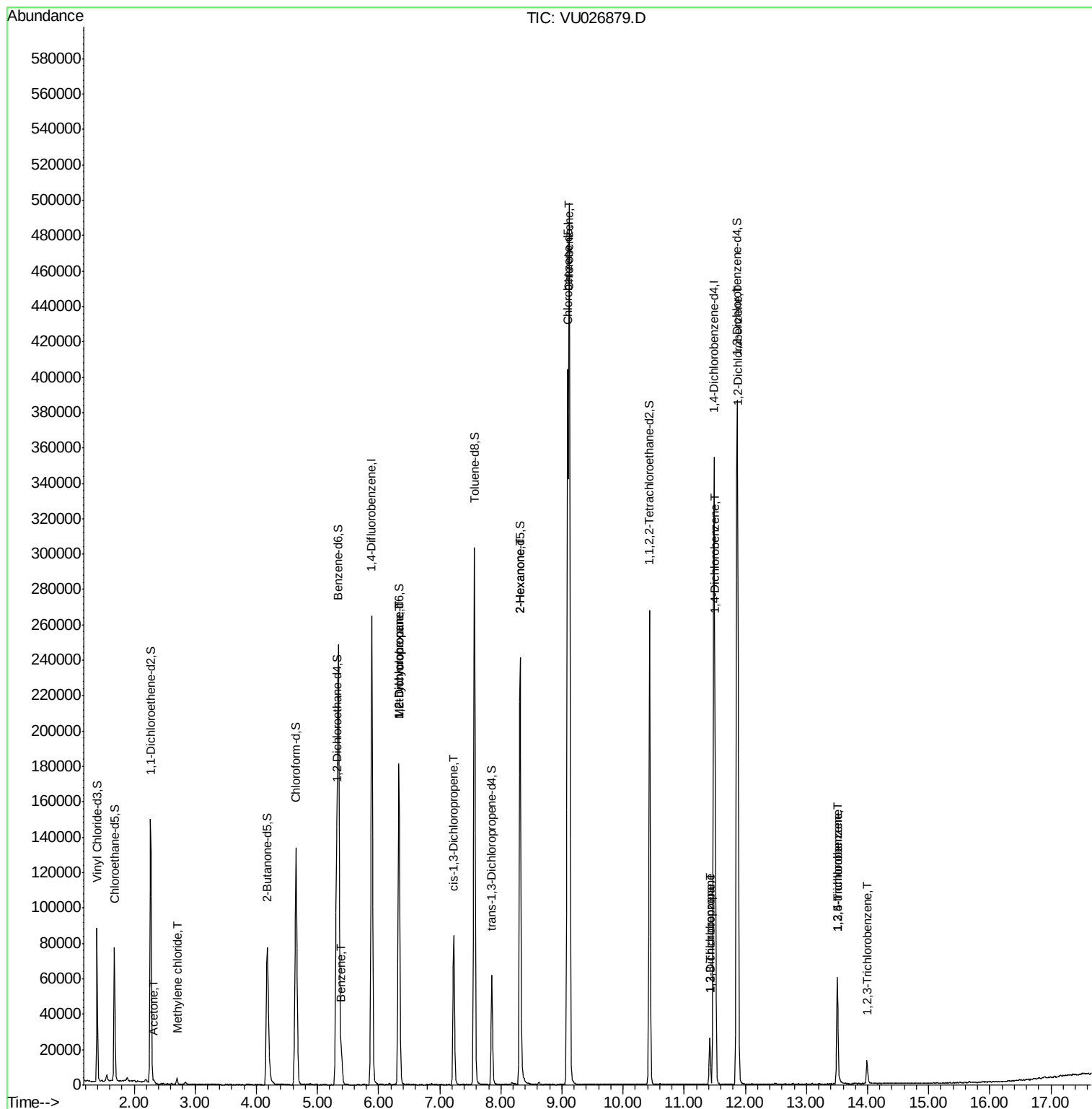
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

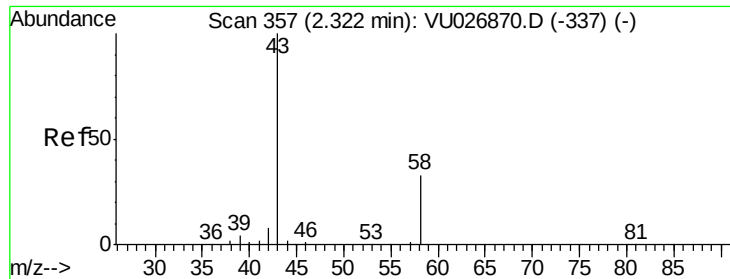
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#13

Acetone

Concen: 0.755 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026879.D

Acq: 18 Sep 2018 21:50

Instrument :

MSVOA_U

ClientSampleId :

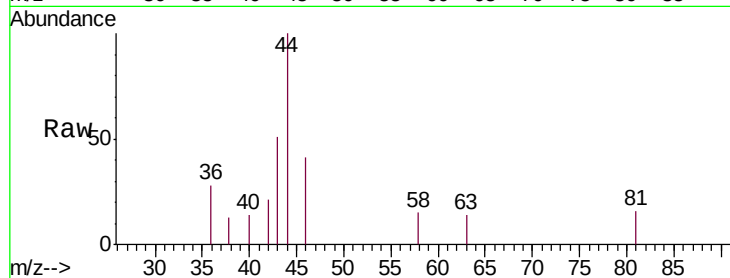
C08K9DL

Tgt Ion: 43 Resp: 812

Ion Ratio Lower Upper

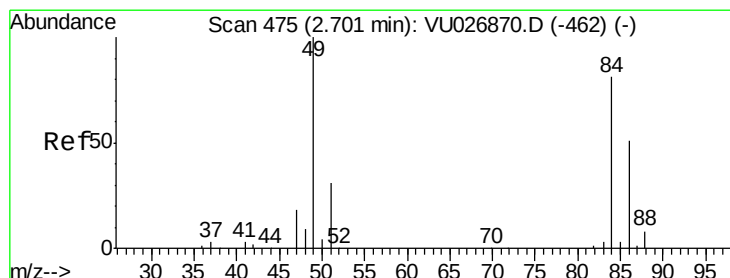
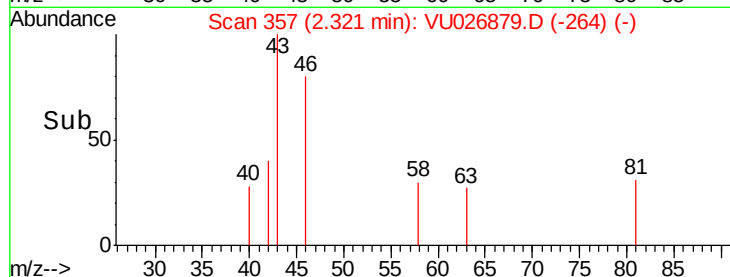
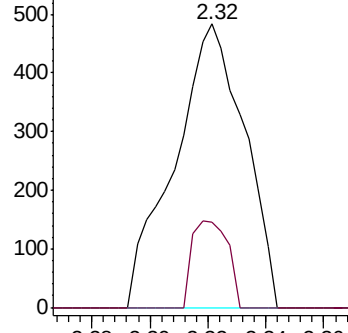
43 100

58 15.5 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#16

Methylene chloride

Concen: 0.927 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU026879.D

Acq: 18 Sep 2018 21:50

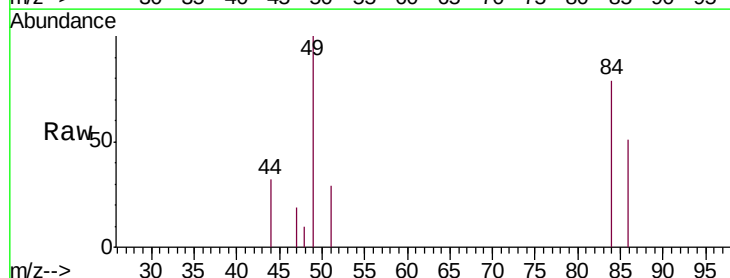
Tgt Ion: 84 Resp: 1702

Ion Ratio Lower Upper

84 100

86 64.4 45.3 84.1

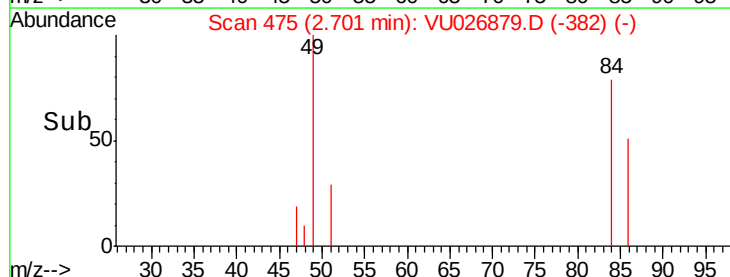
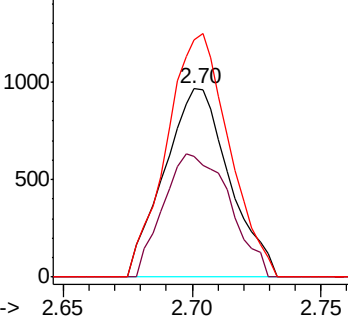
49 125.9 86.2 160.2

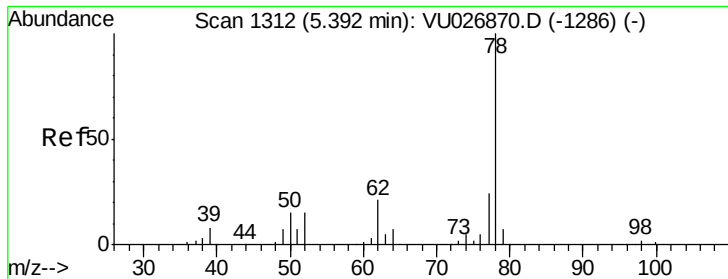


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#33

Benzene

Concen: 2.563 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU026879.D

Acq: 18 Sep 2018 21:50

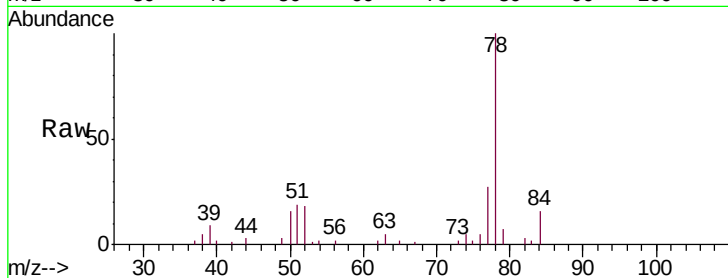
Instrument :

MSVOA_U

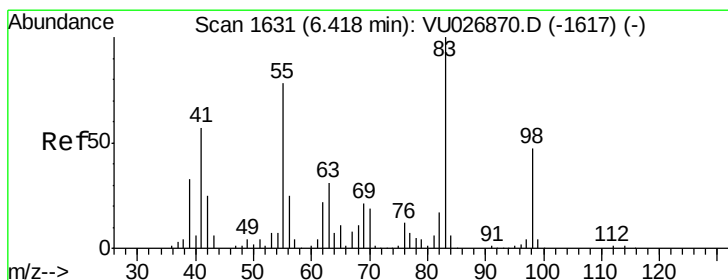
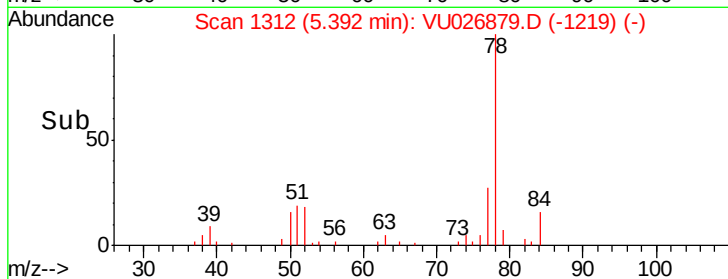
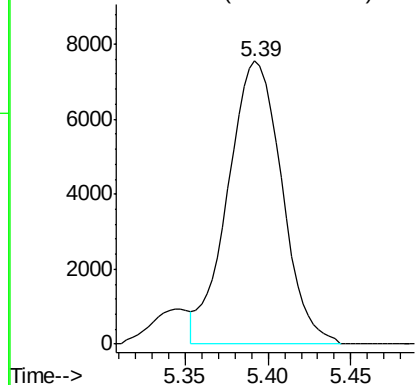
ClientSampleId :

C08K9DL

Tgt Ion: 78 Resp: 17102



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 7.872 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU026879.D

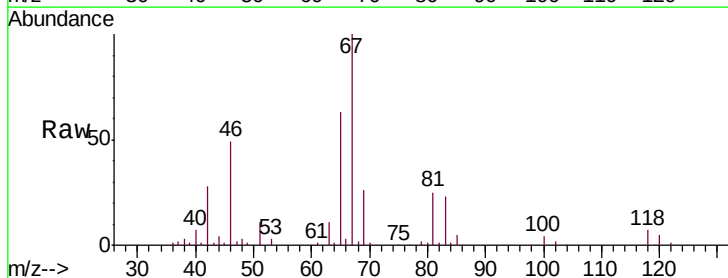
Acq: 18 Sep 2018 21:50

Tgt Ion: 83 Resp: 20550

Ion	Ratio	Lower	Upper
83	100		

55	0.0	61.7	92.5#
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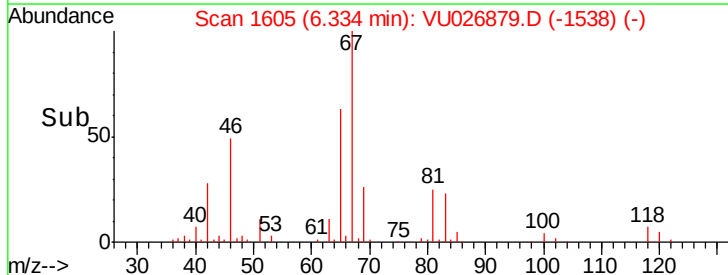
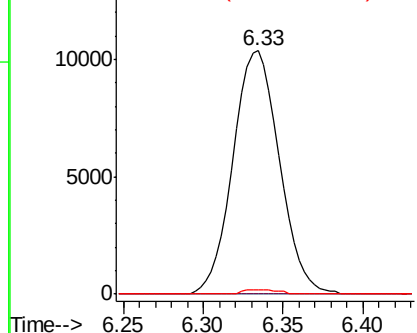
98	0.4	38.3	57.5#
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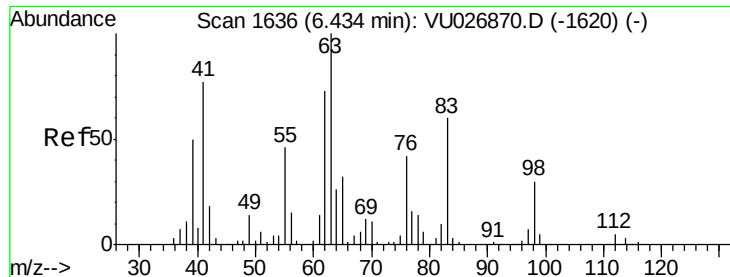


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

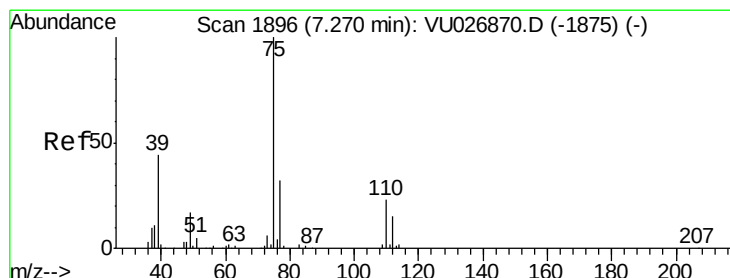
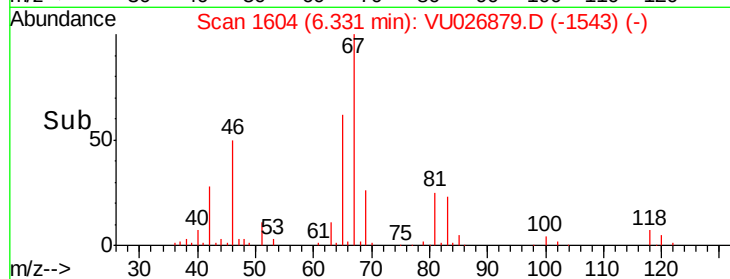
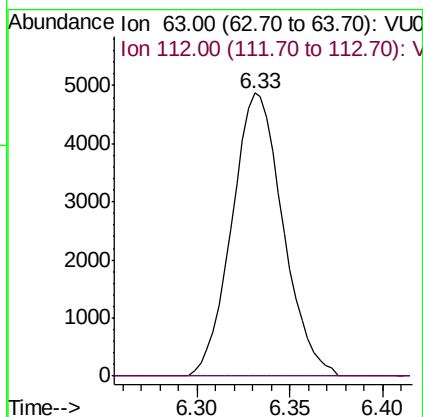
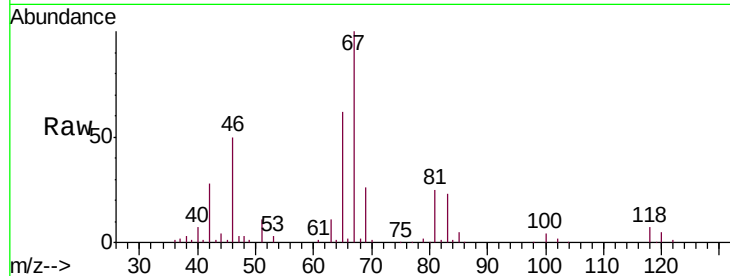




#37
 1,2-Dichloropropane
 Concen: 5.098 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU026879.D
 Acq: 18 Sep 2018 21:50

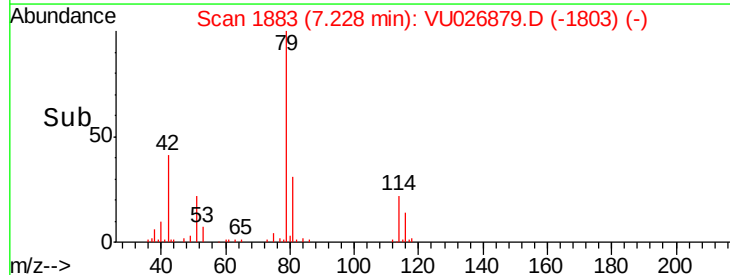
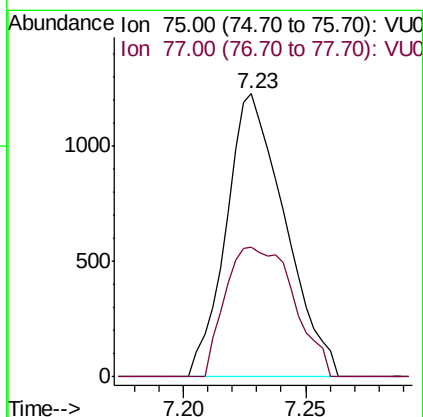
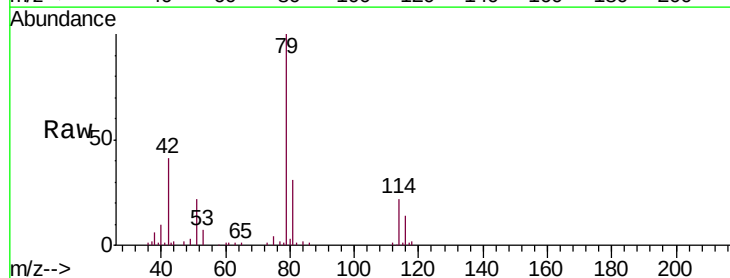
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K9DL

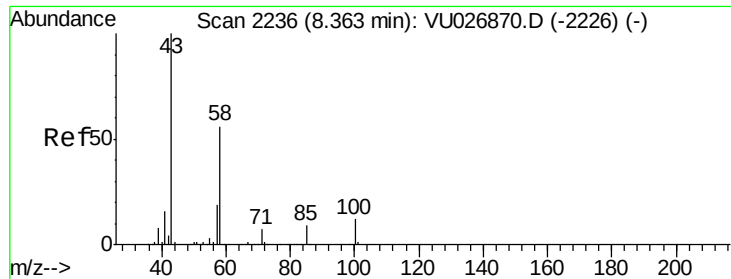
Tgt Ion: 63 Resp: 9346
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.792 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026879.D
 Acq: 18 Sep 2018 21:50

Tgt Ion: 75 Resp: 2052
 Ion Ratio Lower Upper
 75 100
 77 45.9 22.1 41.1#

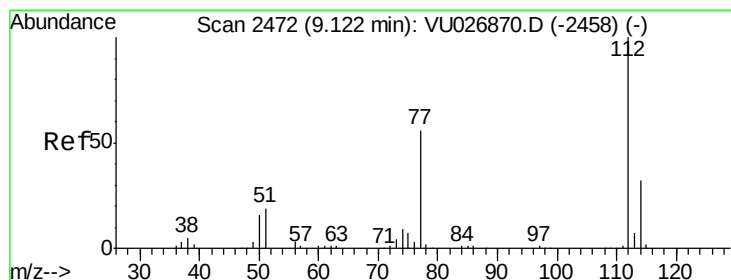
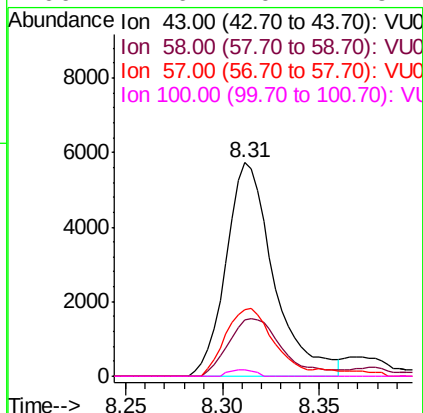
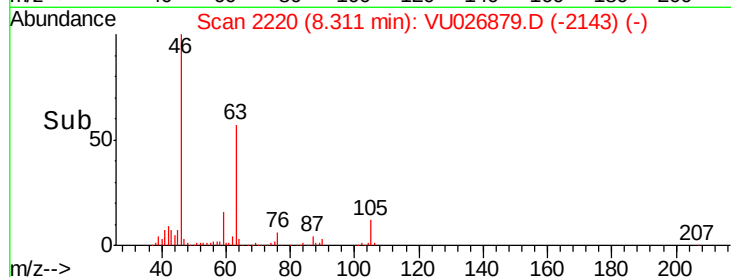
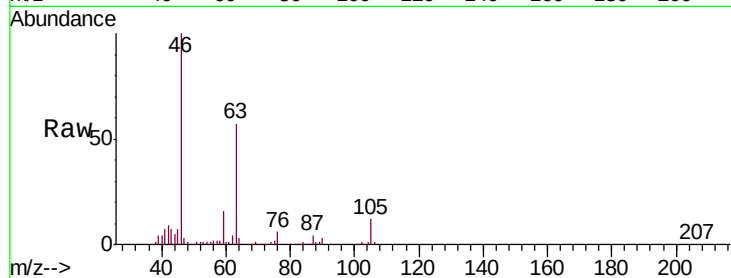




#48
 2-Hexanone
 Concen: 5.588 ug/L
 RT: 8.31 min Scan# 2220
 Delta R.T. -0.05 min
 Lab File: VU026879.D
 Acq: 18 Sep 2018 21:50

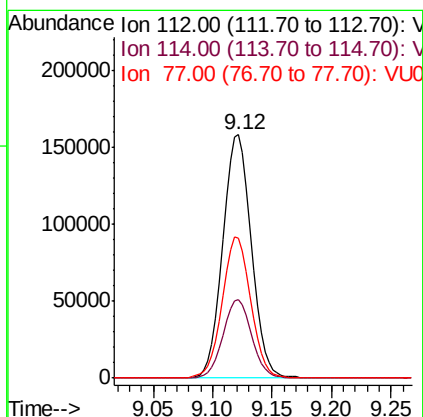
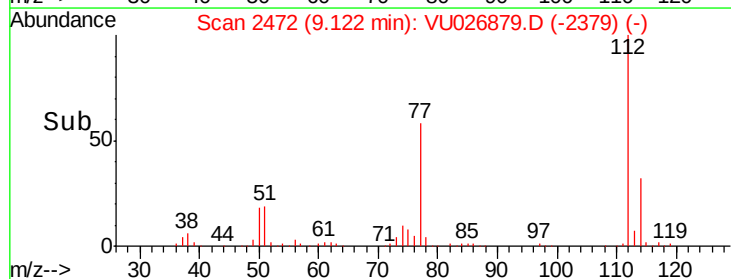
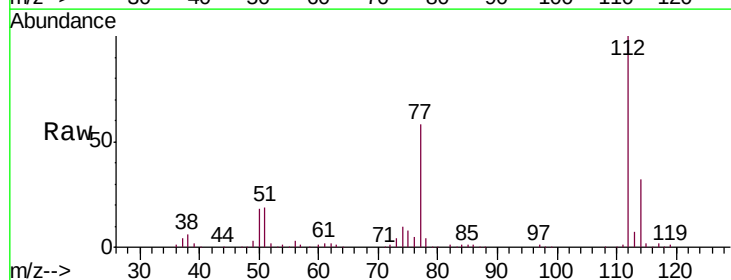
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K9DL

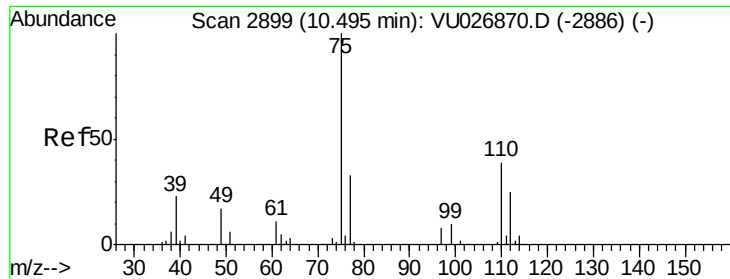
Tgt Ion: 43 Resp: 9818
 Ion Ratio Lower Upper
 43 100
 58 30.2 44.9 67.3#
 57 31.8 15.4 23.2#
 100 1.6 10.2 15.4#



#51
 Chlorobenzene
 Concen: 57.733 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. -0.00 min
 Lab File: VU026879.D
 Acq: 18 Sep 2018 21:50

Tgt Ion: 112 Resp: 264563
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.3 41.5
 77 57.7 45.1 67.7





#59

1,2,3-Trichloropropane

Concen: 1.432 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026879.D

Acq: 18 Sep 2018 21:50

Instrument :

MSVOA_U

ClientSampleId :

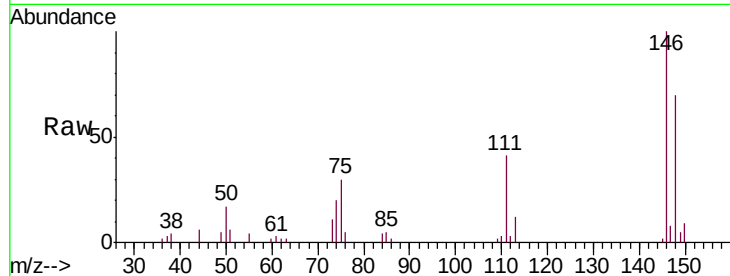
C08K9DL

Tgt Ion: 75 Resp: 3145

Ion Ratio Lower Upper

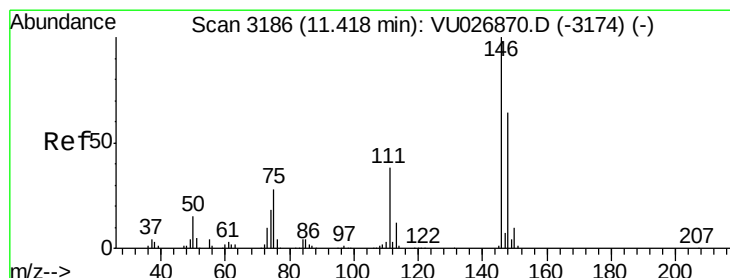
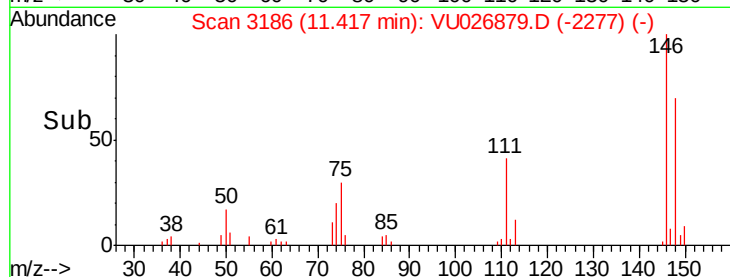
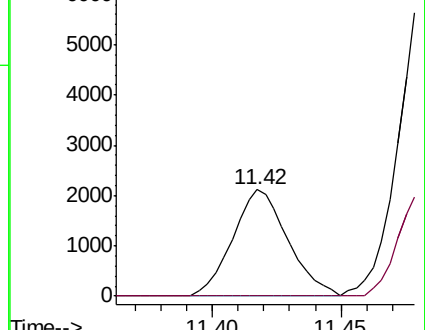
75 100

77 0.0 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU026879.D (-2277) (-)

Ion 77.00 (76.70 to 77.70): VU026879.D (-2277) (-)



#62

1,3-Dichlorobenzene

Concen: 4.158 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026879.D

Acq: 18 Sep 2018 21:50

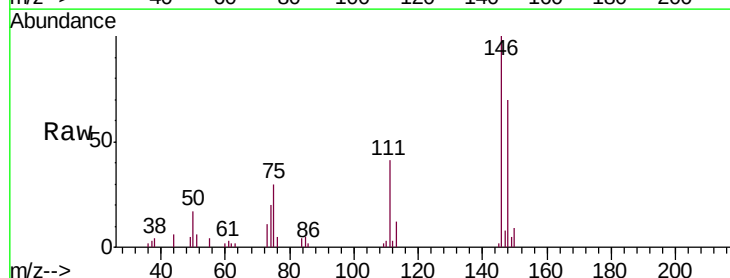
Tgt Ion: 146 Resp: 11592

Ion Ratio Lower Upper

146 100

111 40.9 26.7 49.7

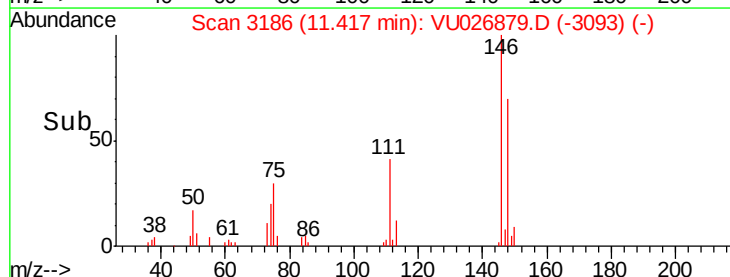
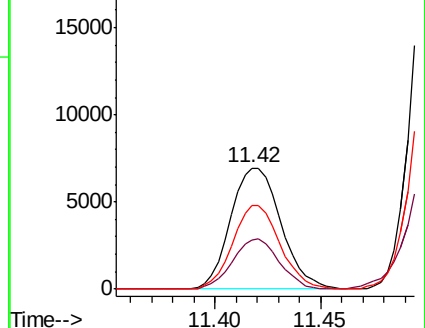
148 69.6 44.9 83.5

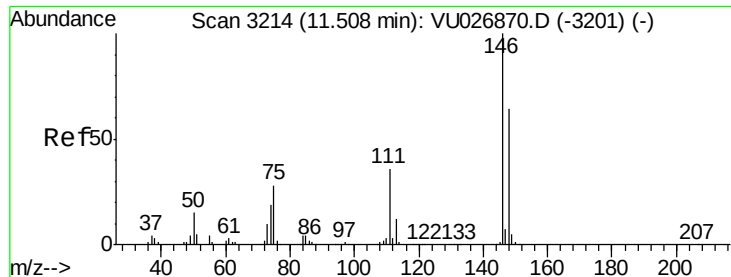


Abundance Ion 146.00 (145.70 to 146.70): VU026879.D (-3093) (-)

Ion 111.00 (110.70 to 111.70): VU026879.D (-3093) (-)

Ion 148.00 (147.70 to 148.70): VU026879.D (-3093) (-)

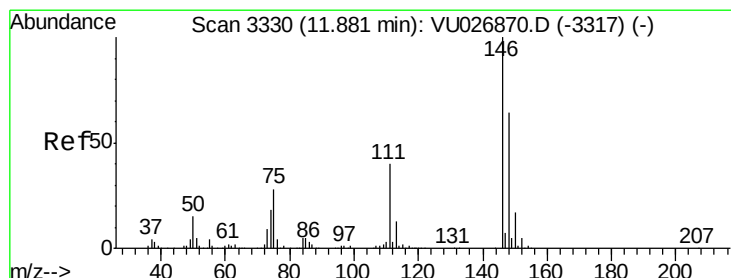
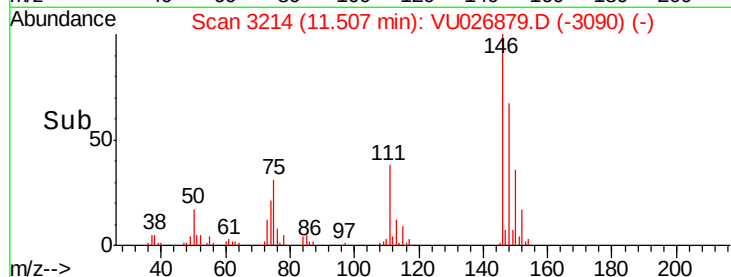
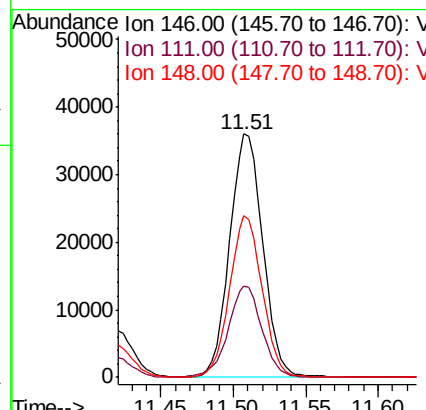
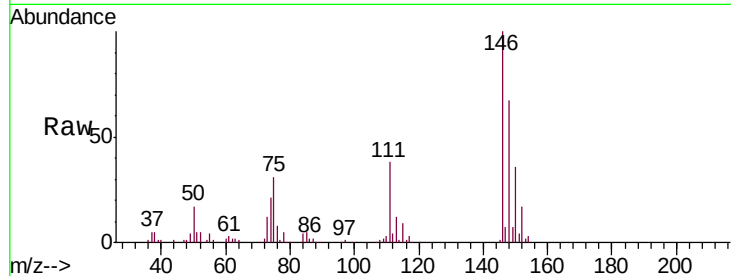




#63
 1,4-Dichlorobenzene
 Concen: 18.624 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026879.D
 Acq: 18 Sep 2018 21:50

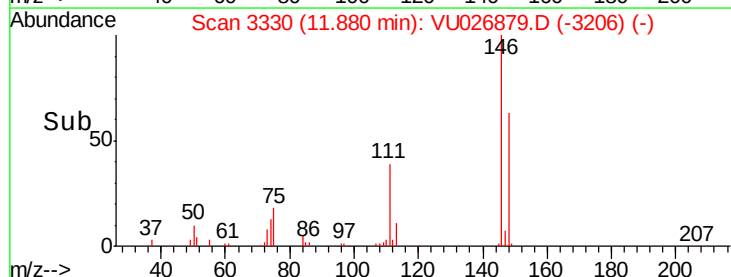
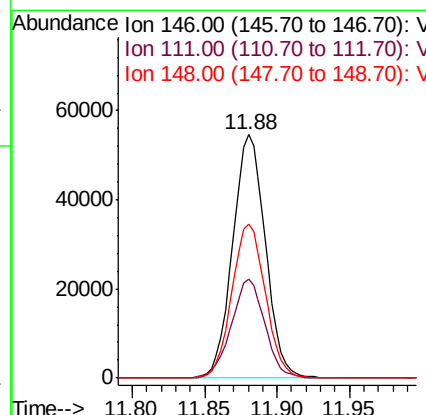
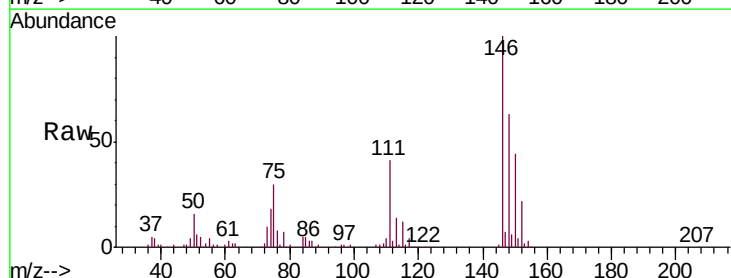
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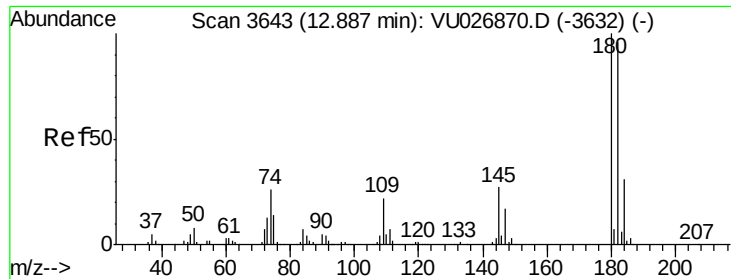
Tgt Ion:146 Resp: 57167
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.0 48.2
 148 66.6 45.8 85.2



#65
 1,2-Dichlorobenzene
 Concen: 27.708 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026879.D
 Acq: 18 Sep 2018 21:50

Tgt Ion:146 Resp: 85523
 Ion Ratio Lower Upper
 146 100
 111 40.6 31.4 47.0
 148 63.5 51.4 77.2

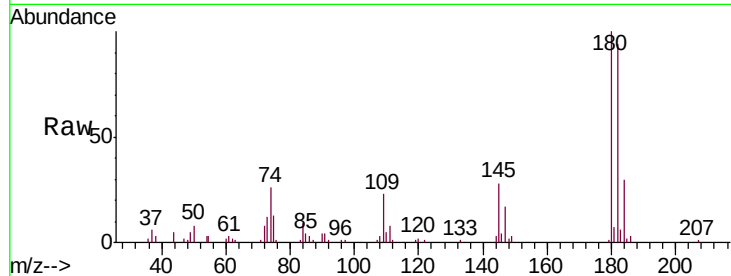




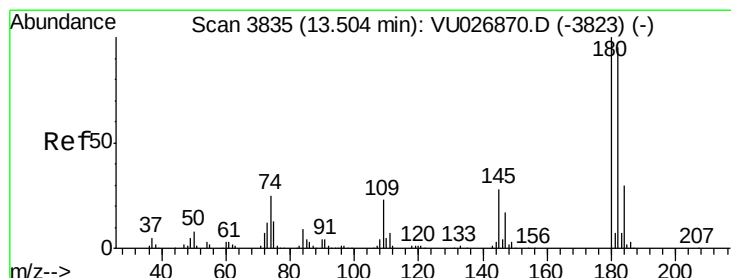
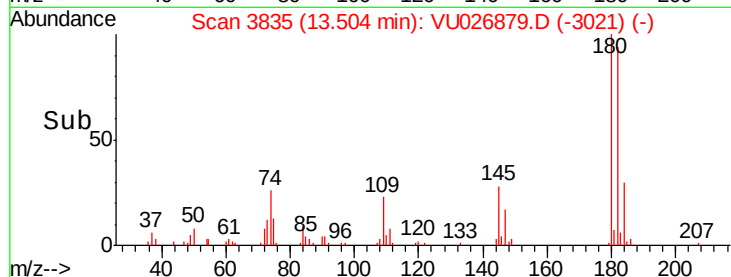
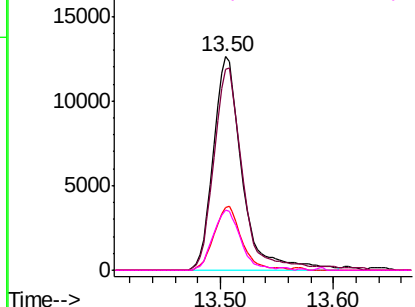
#67
 1,3,5-Trichlorobenzene
 Concen: 10.336 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.62 min
 Lab File: VU026879.D
 Acq: 18 Sep 2018 21:50

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K9DL

Tgt Ion:180 Resp: 22295
 Ion Ratio Lower Upper
 180 100
 182 92.6 76.7 115.1
 184 28.7 24.2 36.4
 145 26.7 21.8 32.6

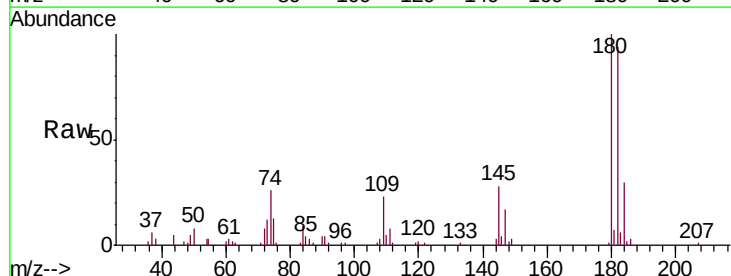


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

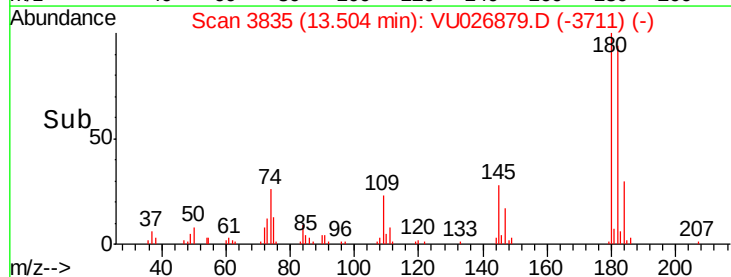
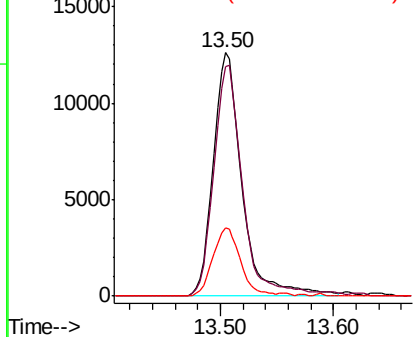


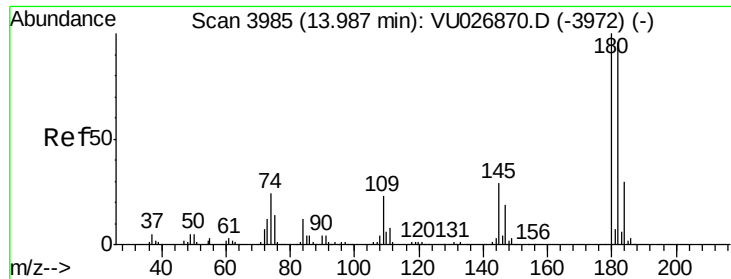
#68
 1,2,4-trichlorobenzene
 Concen: 11.994 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026879.D
 Acq: 18 Sep 2018 21:50

Tgt Ion:180 Resp: 22295
 Ion Ratio Lower Upper
 180 100
 182 92.6 76.8 115.2
 145 26.7 22.2 33.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

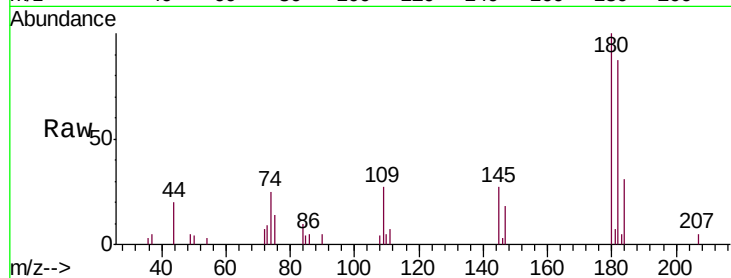




#70
 1,2,3-Trichlorobenzene
 Concen: 2.928 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026879.D
 Acq: 18 Sep 2018 21:50

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K9DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.1	75.6	113.4
145	27.2	23.8	35.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

