

Data File : VU026865.D
Acq On : 18 Sep 2018 16:24
Operator : MD/SY
Sample : J4896-15 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08N6

Quant Time: Sep 19 05:09:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	237999	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	231395	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	104337	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70623	40.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.22%
7) Chloroethane-d5	1.68	69	65545	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.27	63	106386	31.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.88%
21) 2-Butanone-d5	4.18	46	129033	110.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.44%
24) Chloroform-d	4.65	84	144986	44.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.31	65	97717	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
32) Benzene-d6	5.34	84	301287	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.92%
36) 1,2-Dichloropropane-d6	6.33	67	99739	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.46%
41) Toluene-d8	7.57	98	254291	43.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	7.85	79	40111	43.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.00%
47) 2-Hexanone-d5	8.31	63	89255	108.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	138161	47.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	109882	50.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.26%

Target Compounds

					Qvalue
8) Chloroethane	1.40	64	1001	0.715 ug/L #	1
13) Acetone	2.32	43	855	0.745 ug/L	67
25) Chloroform	4.67	83	4783	1.440 ug/L	92
33) Benzene	5.39	78	74304	10.357 ug/L	100
35) Methylcyclohexane	6.33	83	22586	8.048 ug/L #	19
37) 1,2-Dichloropropane	6.33	63	10544	5.350 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2282	0.820 ug/L #	55
44) trans-1,3-Dichloropropene	7.85	75	1681	0.645 ug/L #	67
48) 2-Hexanone	8.31	43	10526	5.573 ug/L #	67
51) Chlorobenzene	9.12	112	794468	161.275 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	10159	4.304 ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	37248	11.711 ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	180174	51.444 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	208002	59.060 ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	82767	33.627 ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	82767	39.022 ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	22145	9.481 ug/L	100

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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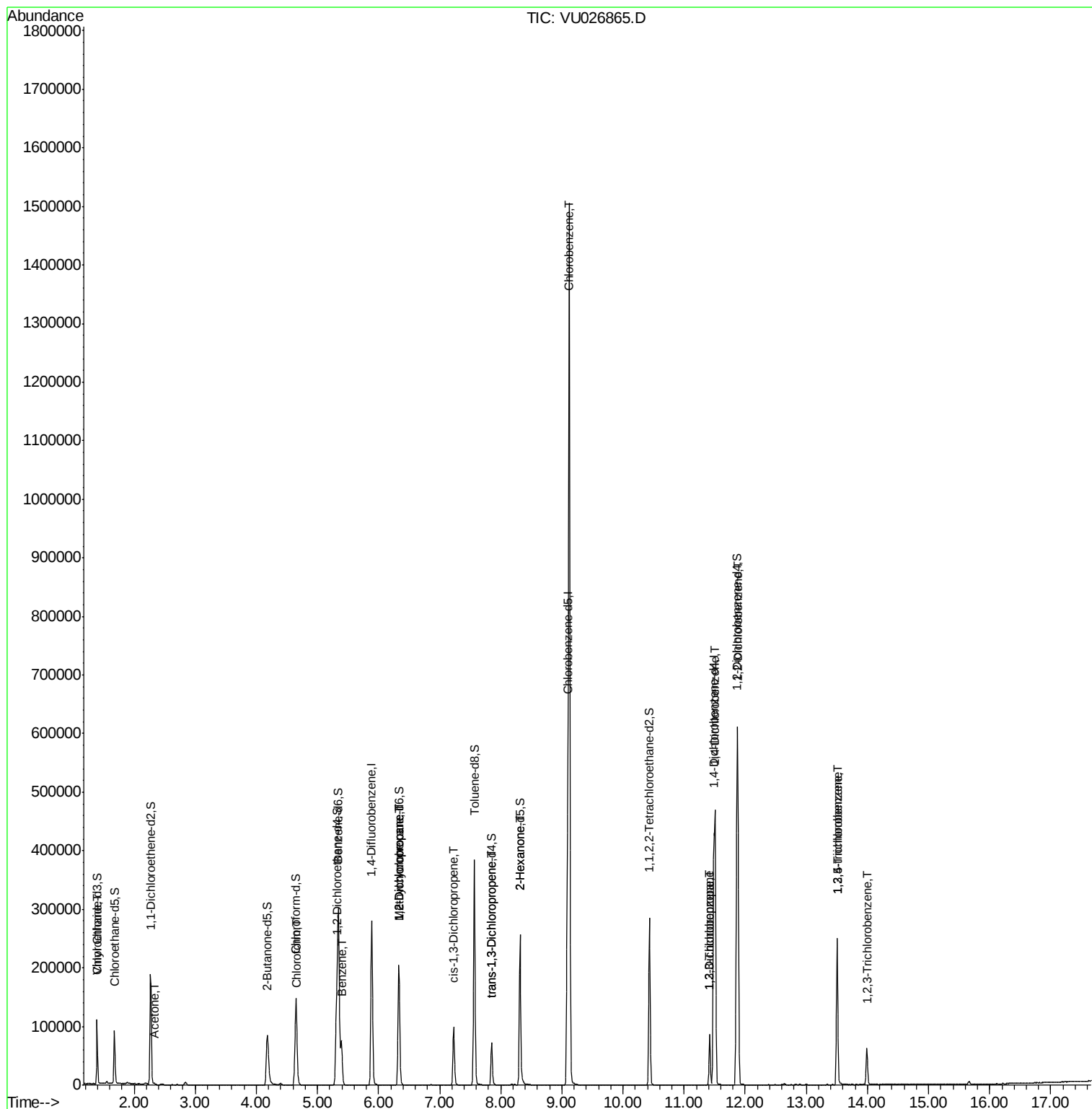
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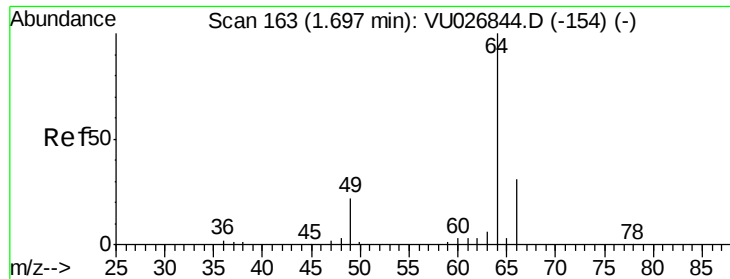
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#8

Chloroethane

Concen: 0.715 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.30 min

Lab File: VU026865.D

Acq: 18 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

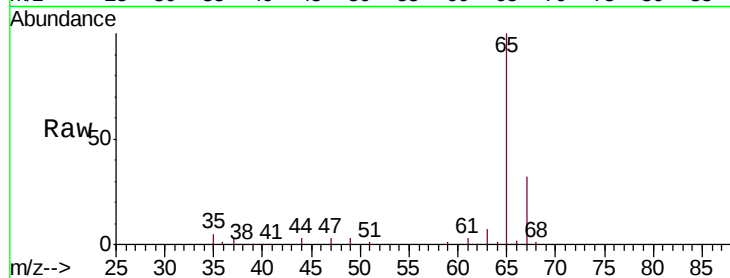
C08N6

Tgt Ion: 64 Resp: 1001

Ion Ratio Lower Upper

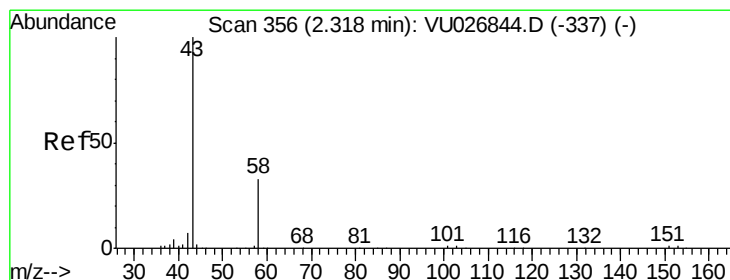
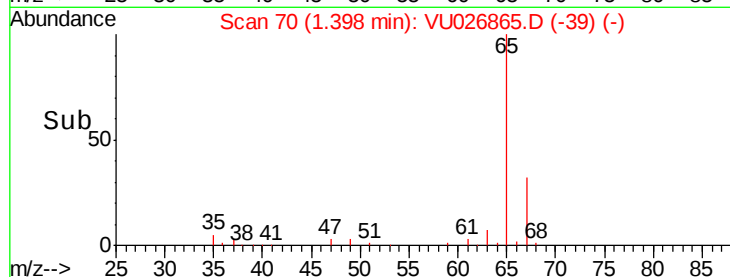
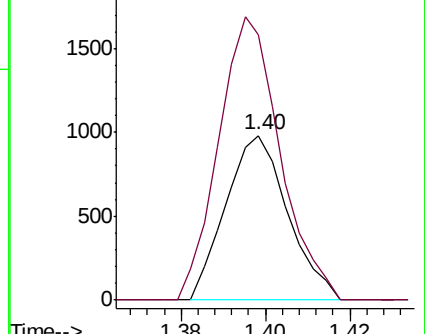
64 100

66 161.1 23.0 42.8#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#13

Acetone

Concen: 0.745 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.01 min

Lab File: VU026865.D

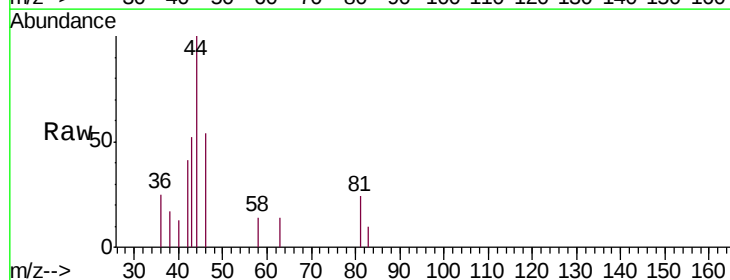
Acq: 18 Sep 2018 16:24

Tgt Ion: 43 Resp: 855

Ion Ratio Lower Upper

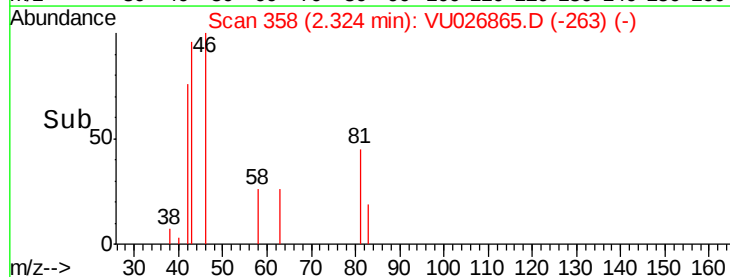
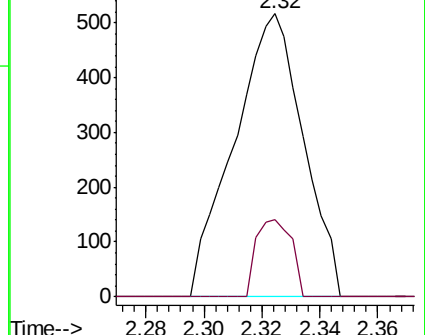
43 100

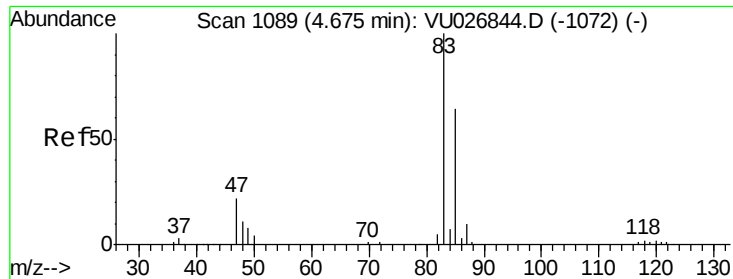
58 13.8 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

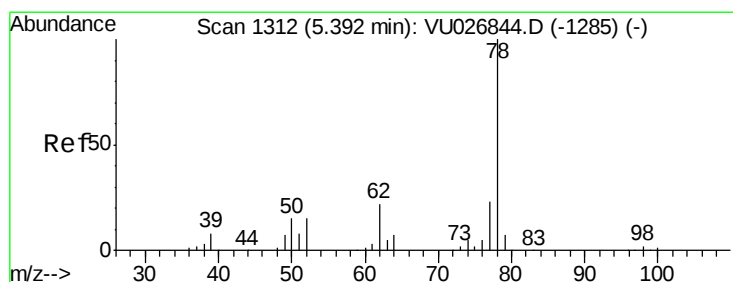
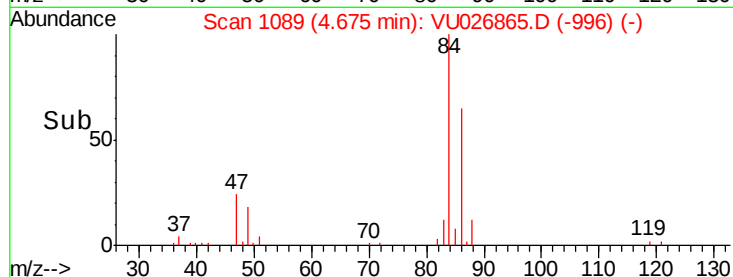
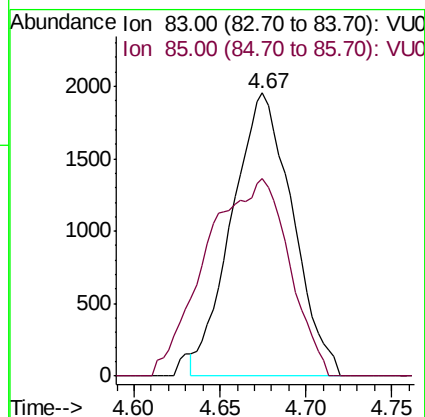
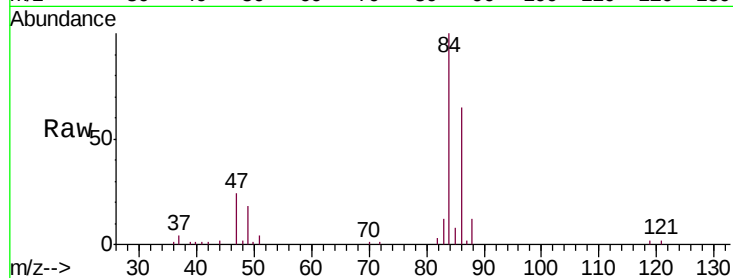




#25
Chloroform
Concen: 1.440 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026865.D
Acq: 18 Sep 2018 16:24

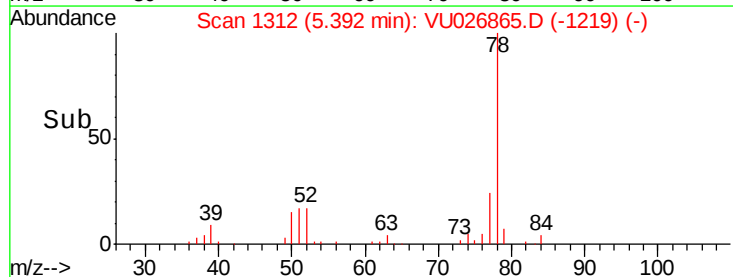
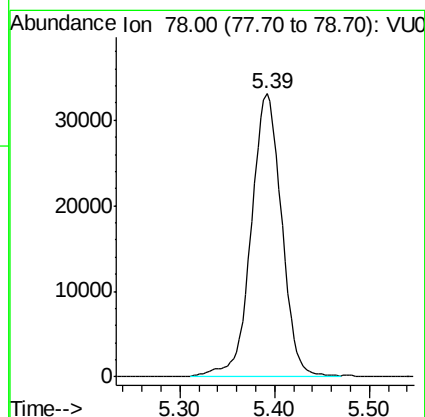
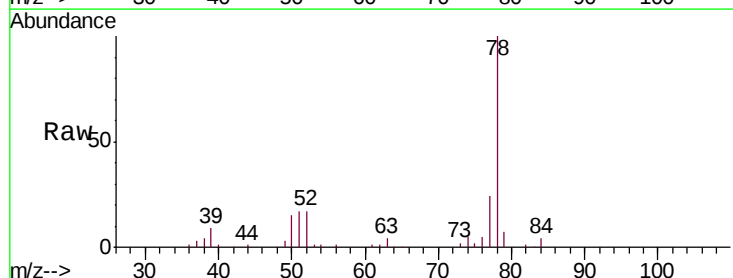
Instrument :
MSVOA_U
ClientSampleId :
C08N6

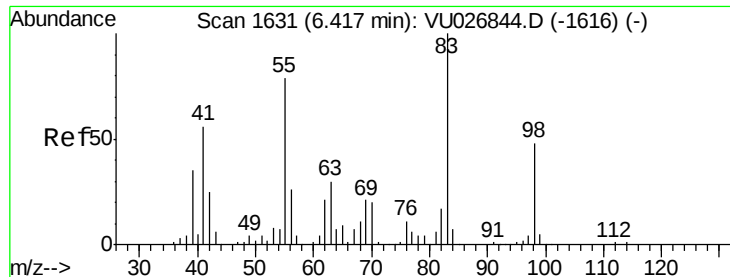
Tgt Ion: 83 Resp: 4783
Ion Ratio Lower Upper
83 100
85 69.7 44.4 82.5



#33
Benzene
Concen: 10.357 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026865.D
Acq: 18 Sep 2018 16:24

Tgt Ion: 78 Resp: 74304

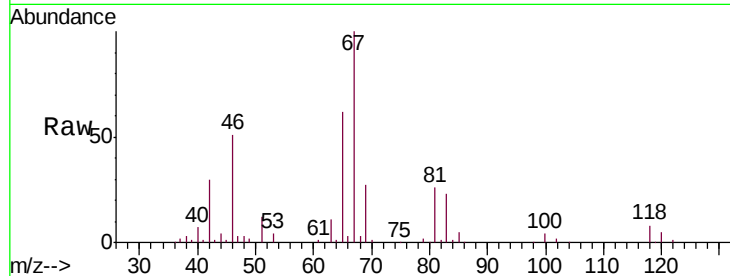




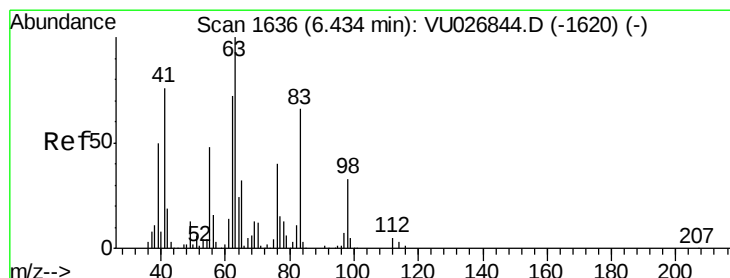
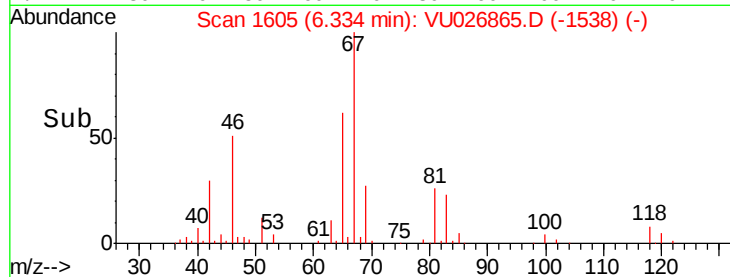
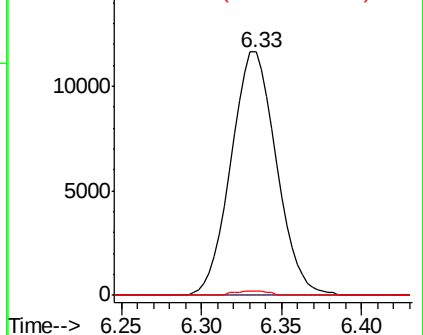
#35
Methylcyclohexane
Concen: 8.048 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU026865.D
Acq: 18 Sep 2018 16:24

Instrument :
MSVOA_U
ClientSampleId :
C08N6

Tgt Ion: 83 Resp: 22586
Ion Ratio Lower Upper
83 100
55 0.0 61.7 92.5#
98 1.3 38.3 57.5#

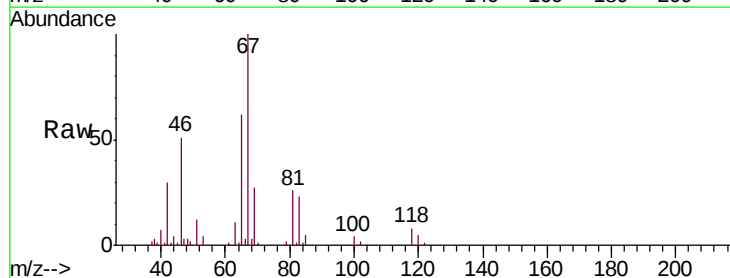


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

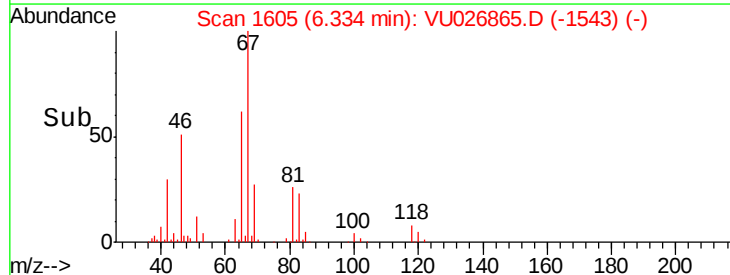
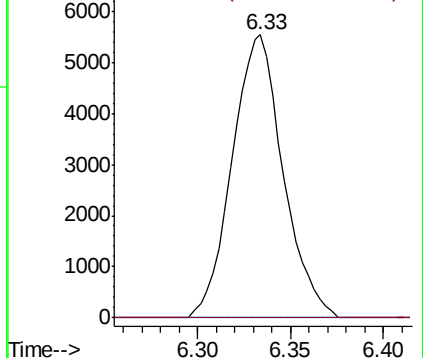


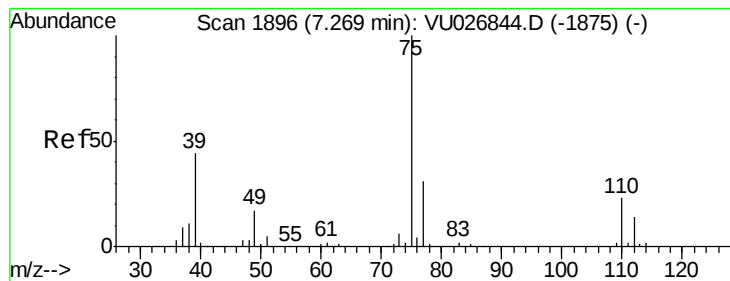
#37
1,2-Dichloropropane
Concen: 5.350 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026865.D
Acq: 18 Sep 2018 16:24

Tgt Ion: 63 Resp: 10544
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



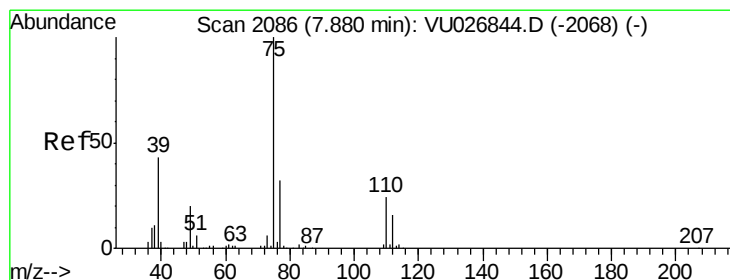
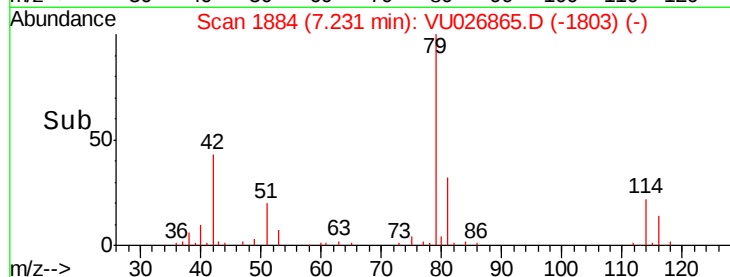
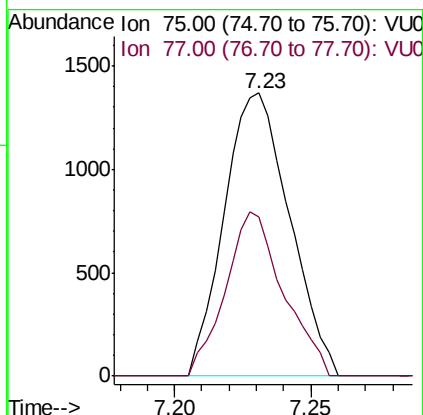
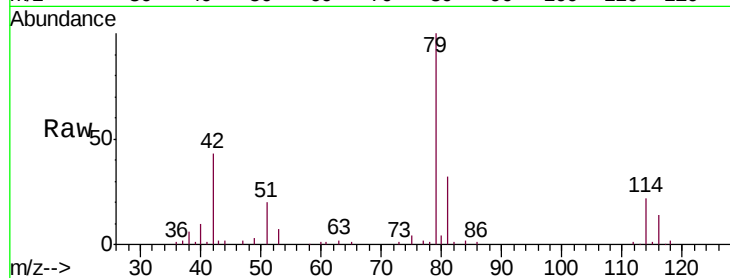


#39

cis-1,3-Dichloropropene
 Concen: 0.820 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026865.D
 Acq: 18 Sep 2018 16:24

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 ClientSampleID :
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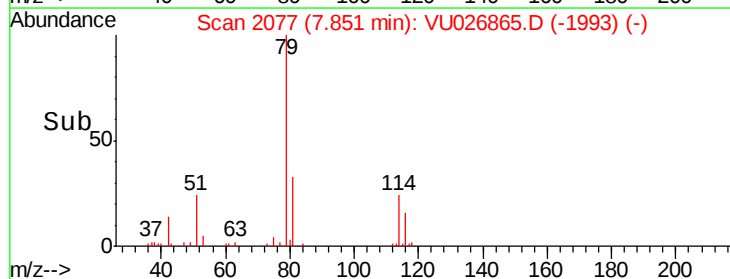
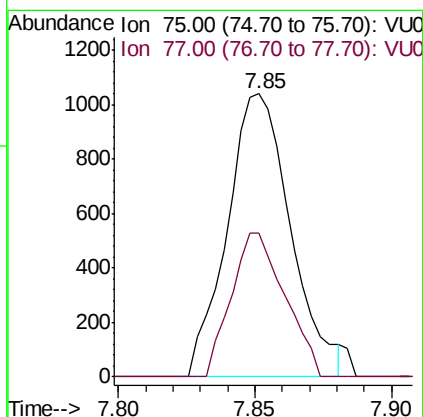
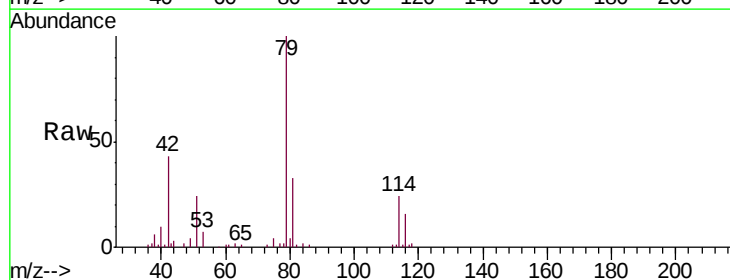
Tgt Ion: 75 Resp: 2282
 Ion Ratio Lower Upper
 75 100
 77 56.3 22.1 41.1#

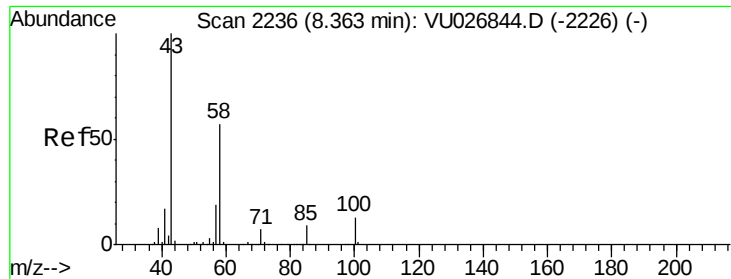


#44

trans-1,3-Dichloropropene
 Concen: 0.645 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU026865.D
 Acq: 18 Sep 2018 16:24

Tgt Ion: 75 Resp: 1681
 Ion Ratio Lower Upper
 75 100
 77 51.0 22.8 42.4#

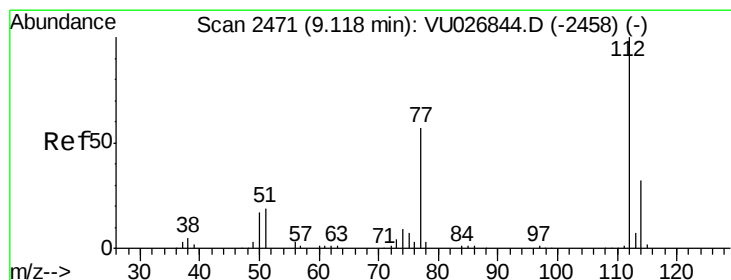
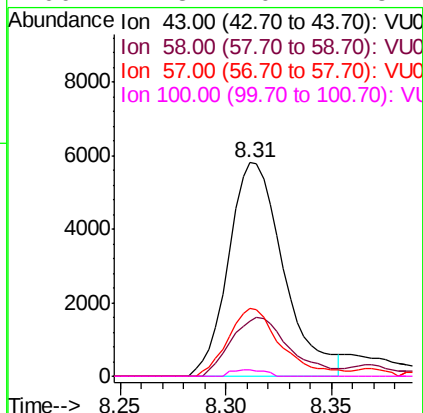
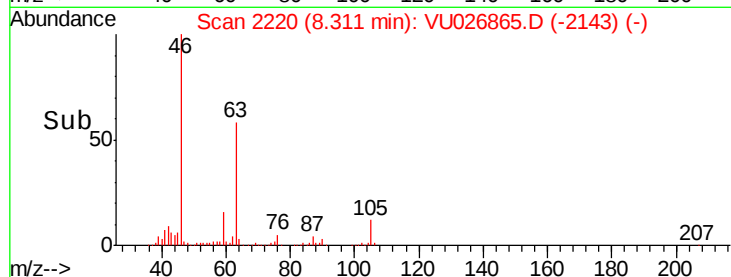
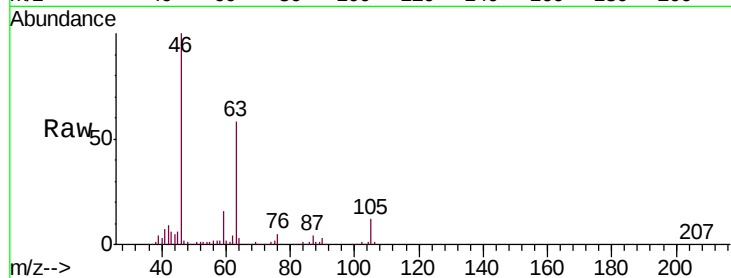




#48
2-Hexanone
Concen: 5.573 ug/L
RT: 8.31 min Scan# 2220
Delta R.T. -0.05 min
Lab File: VU026865.D
Acq: 18 Sep 2018 16:24

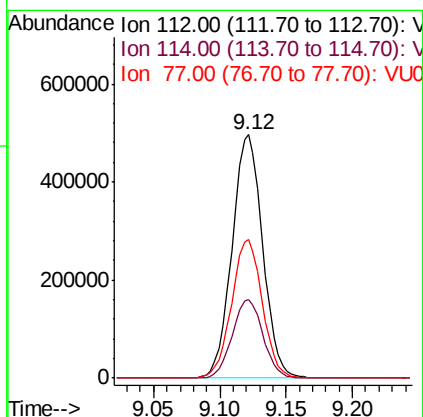
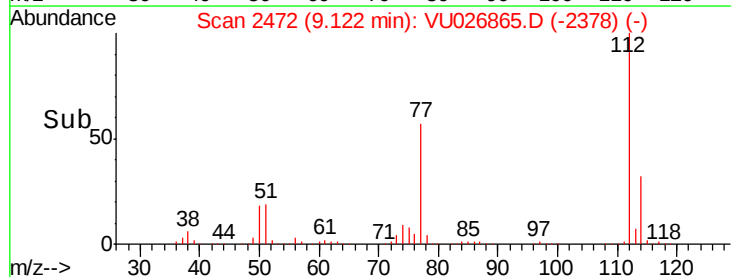
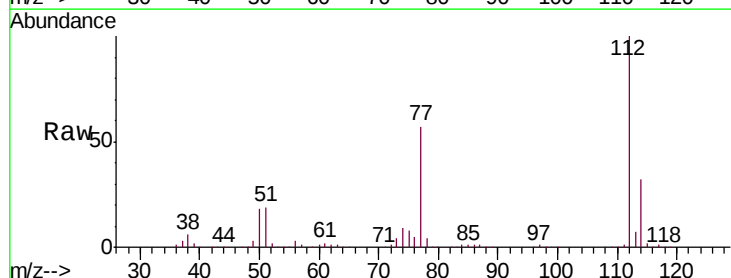
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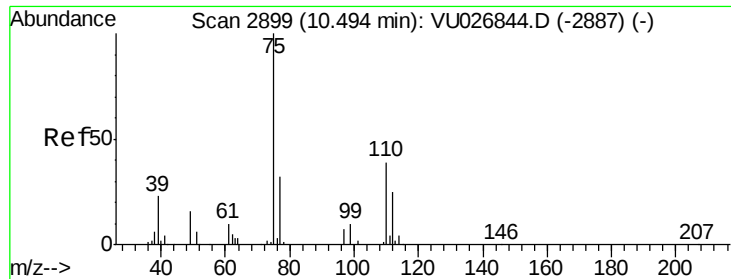
Tgt Ion: 43 Resp: 10526
Ion Ratio Lower Upper
43 100
58 29.4 44.9 67.3#
57 30.6 15.4 23.2#
100 1.8 10.2 15.4#



#51
Chlorobenzene
Concen: 161.275 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026865.D
Acq: 18 Sep 2018 16:24

Tgt Ion: 112 Resp: 794468
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 56.8 45.1 67.7





#59

1,2,3-Trichloropropane

Concen: 4.304 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026865.D

Acq: 18 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

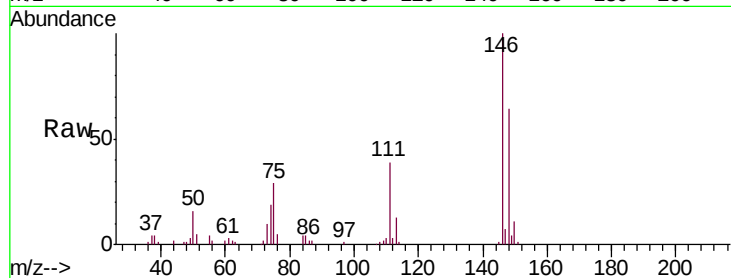
C08N6

Tgt Ion: 75 Resp: 10159

Ion Ratio Lower Upper

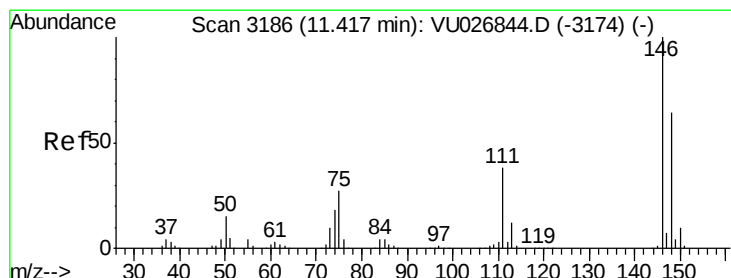
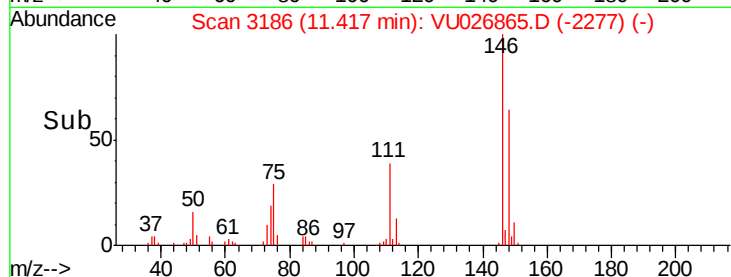
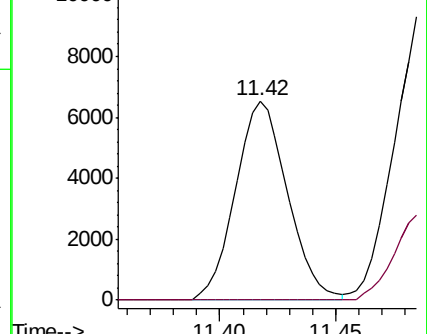
75 100

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: 11.711 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026865.D

Acq: 18 Sep 2018 16:24

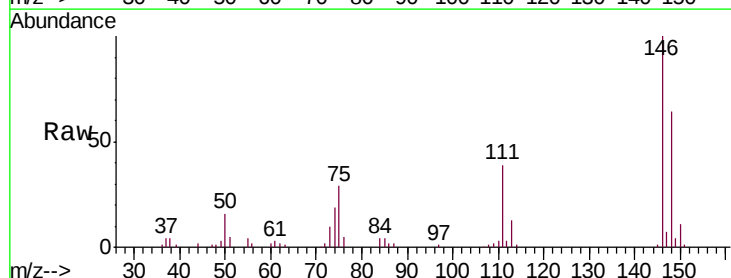
Tgt Ion: 146 Resp: 37248

Ion Ratio Lower Upper

146 100

111 39.0 26.7 49.7

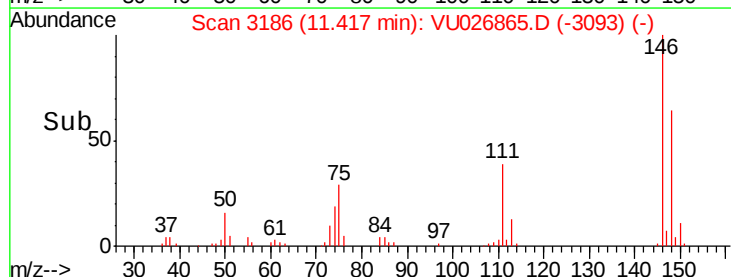
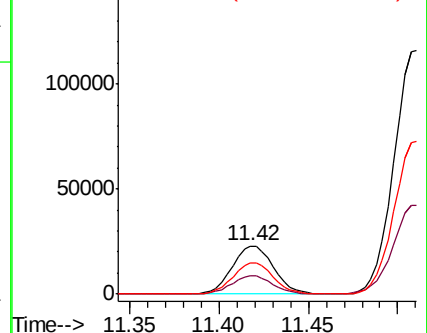
148 64.4 44.9 83.5

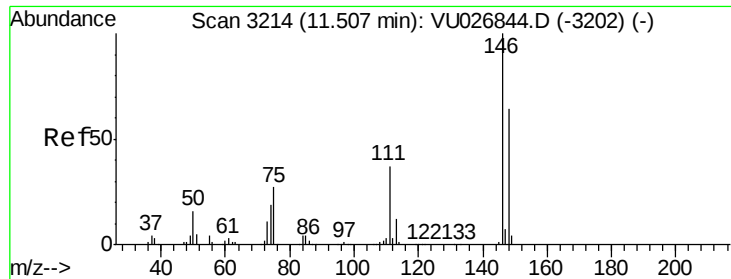


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

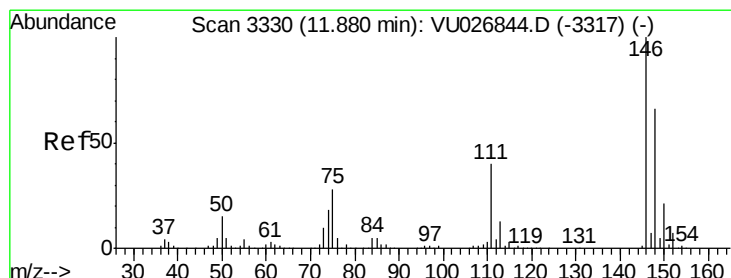
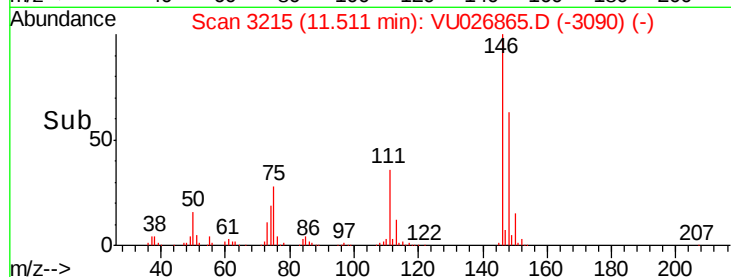
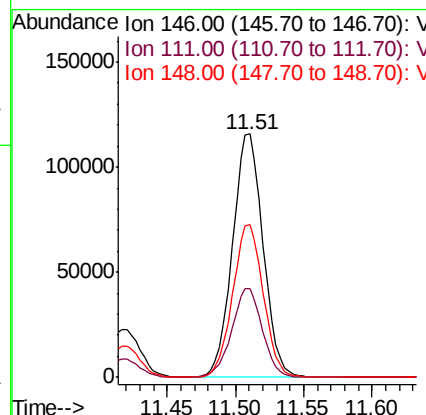
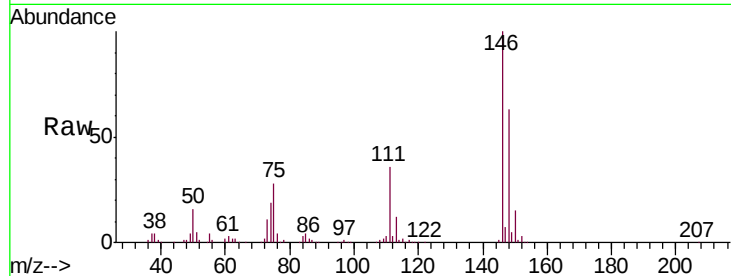




#63
 1,4-Dichlorobenzene
 Concen: 51.444 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026865.D
 Acq: 18 Sep 2018 16:24

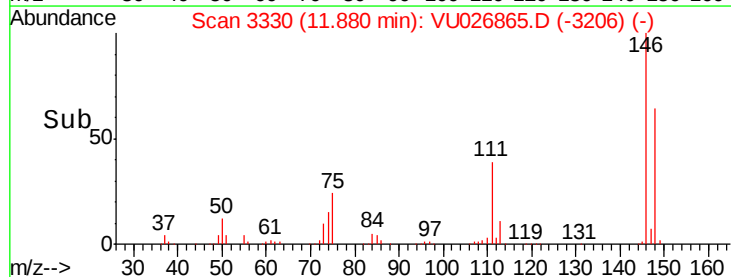
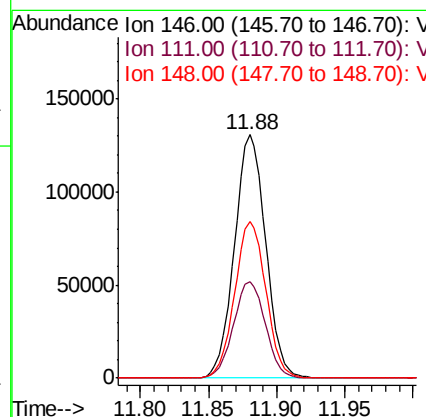
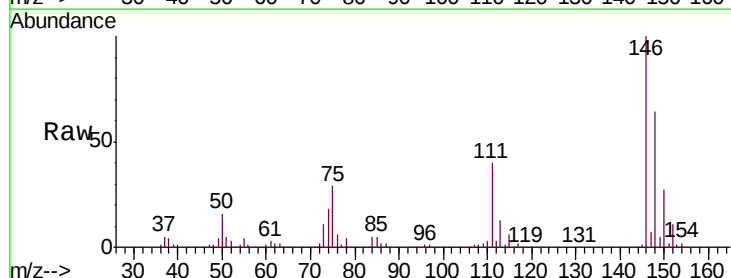
Instrument :
 MSVOA_U
 ClientSampleId :
 C08N6

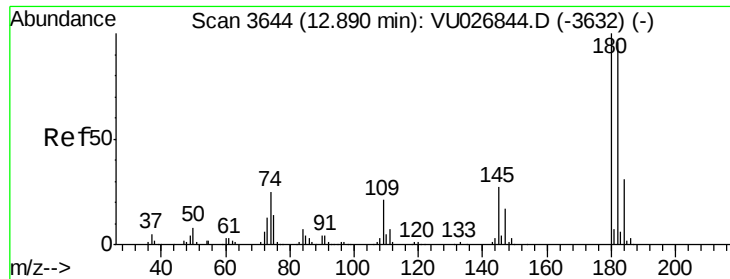
Tgt Ion:146 Resp: 180174
 Ion Ratio Lower Upper
 146 100
 111 36.3 26.0 48.2
 148 62.9 45.8 85.2



#65
 1,2-Dichlorobenzene
 Concen: 59.060 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026865.D
 Acq: 18 Sep 2018 16:24

Tgt Ion:146 Resp: 208002
 Ion Ratio Lower Upper
 146 100
 111 39.8 31.4 47.0
 148 64.4 51.4 77.2

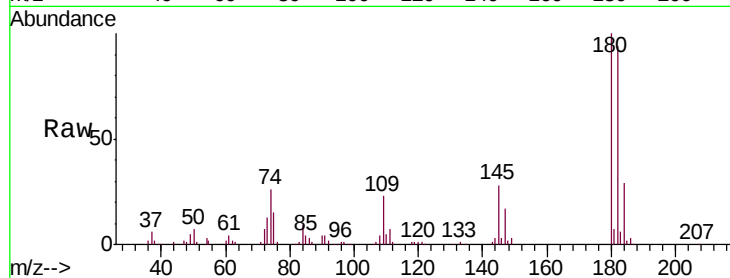




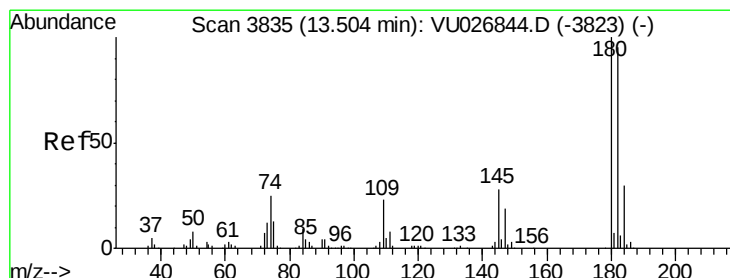
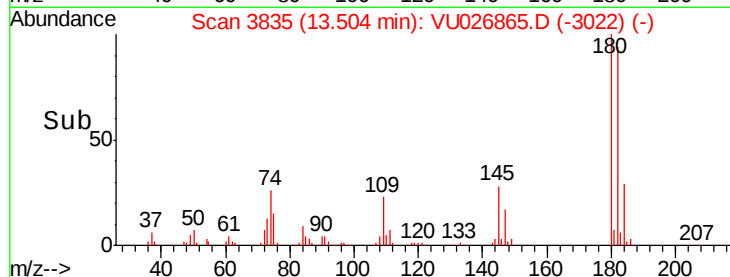
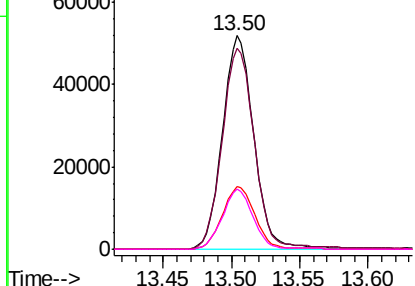
#67
 1,3,5-Trichlorobenzene
 Concen: 33.627 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.61 min
 Lab File: VU026865.D
 Acq: 18 Sep 2018 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N6

Tgt Ion:180 Resp: 82767
 Ion Ratio Lower Upper
 180 100
 182 97.8 76.7 115.1
 184 30.2 24.2 36.4
 145 28.1 21.8 32.6

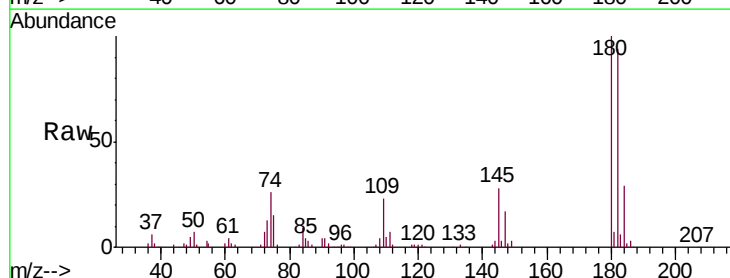


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

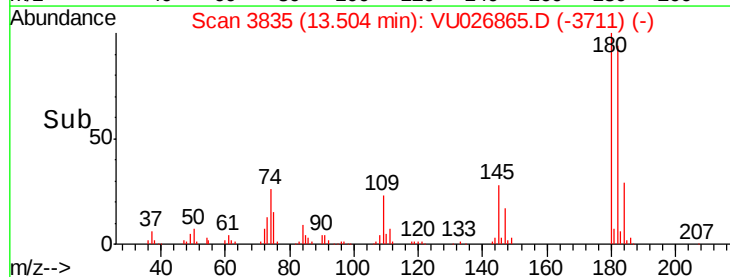
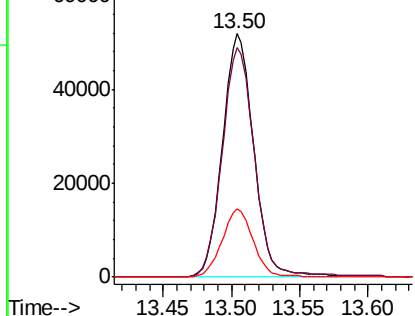


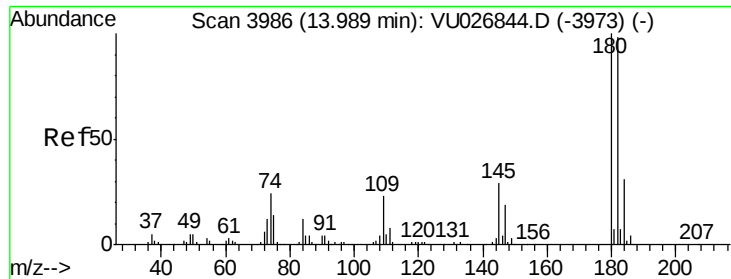
#68
 1,2,4-trichlorobenzene
 Concen: 39.022 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026865.D
 Acq: 18 Sep 2018 16:24

Tgt Ion:180 Resp: 82767
 Ion Ratio Lower Upper
 180 100
 182 97.8 76.8 115.2
 145 28.1 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

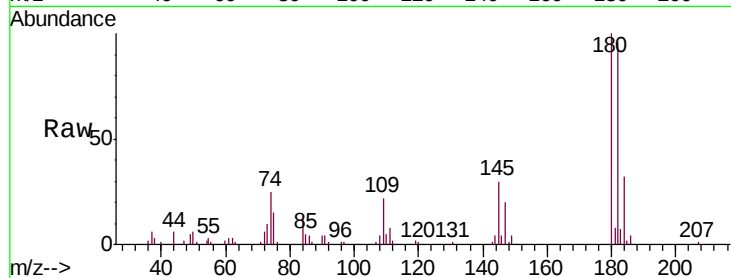




#70
 1,2,3-Trichlorobenzene
 Concen: 9.481 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026865.D
 Acq: 18 Sep 2018 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N6

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.6	113.4
145	29.4	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

