

Data File : VU026860.D
Acq On : 18 Sep 2018 14:28
Operator : MD/SY
Sample : J4896-10 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08L6

Quant Time: Sep 19 05:08:21 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	239583	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	233689	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102247	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77079	43.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.98%
7) Chloroethane-d5	1.68	69	71721	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.56%
11) 1,1-Dichloroethene-d2	2.27	63	117270	34.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.94%
21) 2-Butanone-d5	4.18	46	138337	117.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.62%
24) Chloroform-d	4.65	84	156121	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
26) 1,2-Dichloroethane-d4	5.31	65	106324	51.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.72%
32) Benzene-d6	5.34	84	320960	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.02%
36) 1,2-Dichloropropane-d6	6.33	67	106271	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.72%
41) Toluene-d8	7.57	98	276972	46.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.62%
43) trans-1,3-Dichloropropene-	7.85	79	44431	47.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.32%
47) 2-Hexanone-d5	8.31	63	94564	114.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	146643	49.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	117450	55.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.44%

Target Compounds

					Qvalue	
8) Chloroethane	1.40	64	1075	0.763	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	974	0.589	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	960	0.618	ug/L #	1
13) Acetone	2.32	43	979	0.847	ug/L	58
25) Chloroform	4.67	83	4656	1.393	ug/L	96
33) Benzene	5.39	78	56354	7.778	ug/L	100
37) 1,2-Dichloropropane	6.33	63	11646	5.851	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2504	0.891	ug/L #	65
40) 4-Methyl-2-pentanone	7.56	43	1120	0.474	ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1854	0.704	ug/L	90
48) 2-Hexanone	8.31	43	11314	5.931	ug/L #	65
51) Chlorobenzene	9.12	112	1882260	378.343	ug/L	98
59) 1,2,3-Trichloropropane	11.42	75	8496	3.564	ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	29147	9.351	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	183462	53.453	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	397553	115.189	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	38692	16.041	ug/L	98

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

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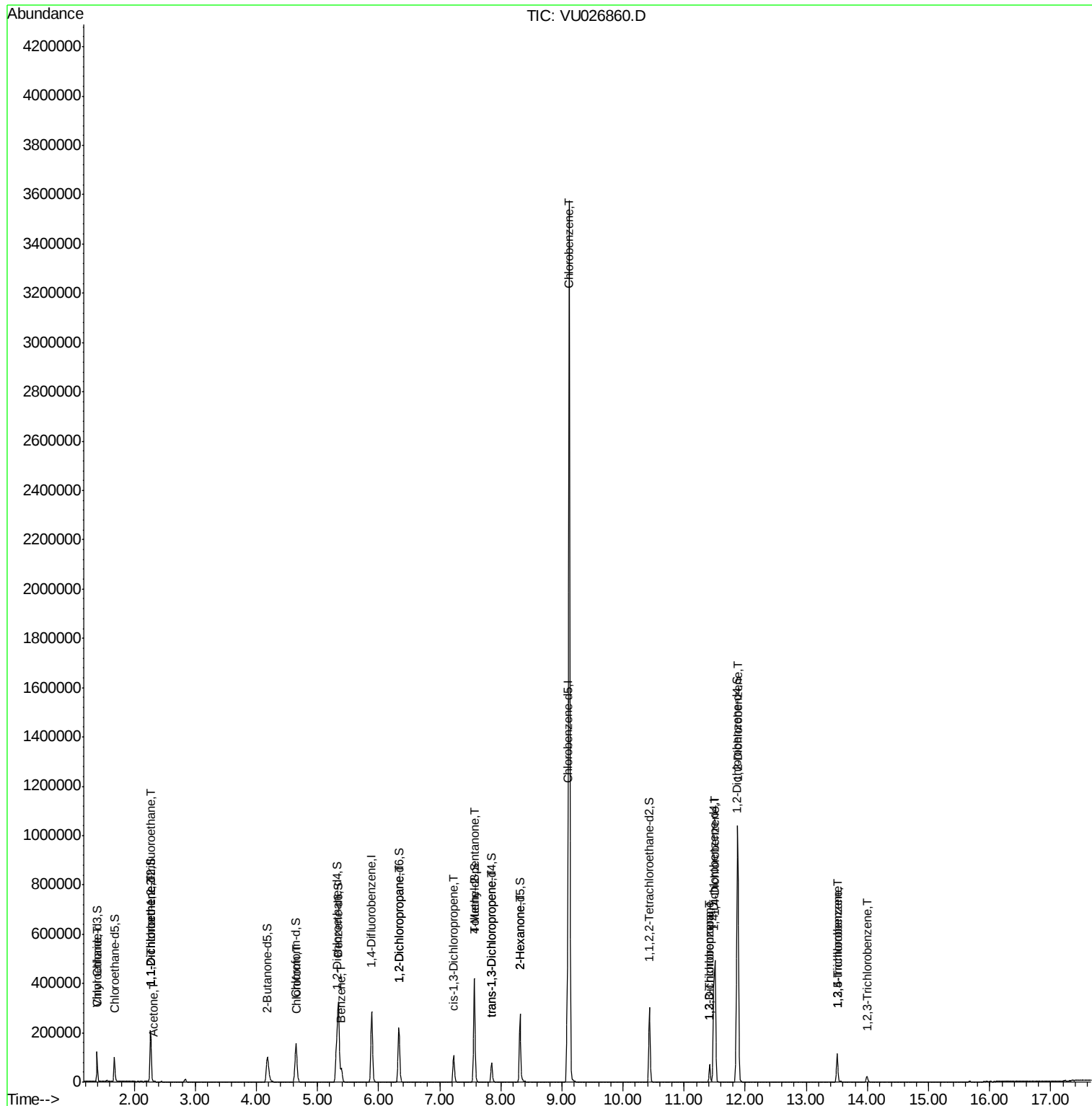
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.50	180	38692	18.615	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	9236	4.035	ug/L	98

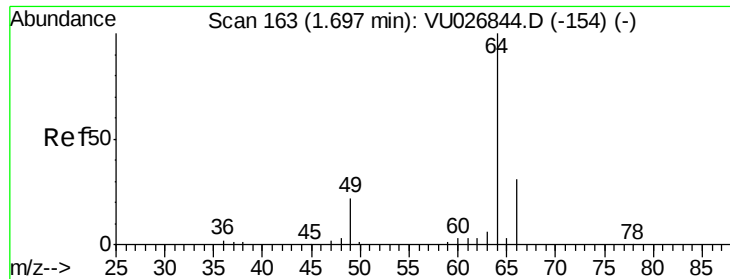
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.763 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.30 min

Lab File: VU026860.D

Acq: 18 Sep 2018 14:28

Instrument :

MSVOA_U

ClientSampled :

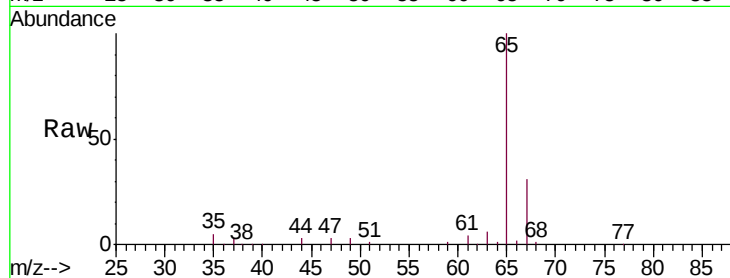
C08L6

Tgt Ion: 64 Resp: 1075

Ion Ratio Lower Upper

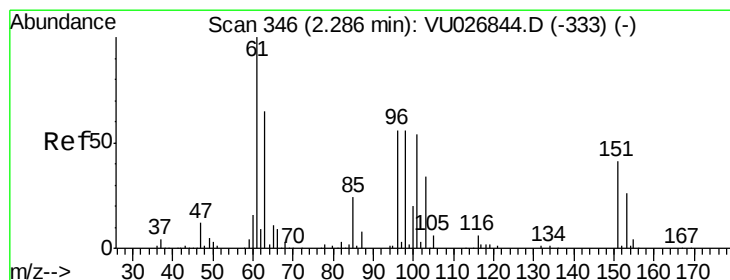
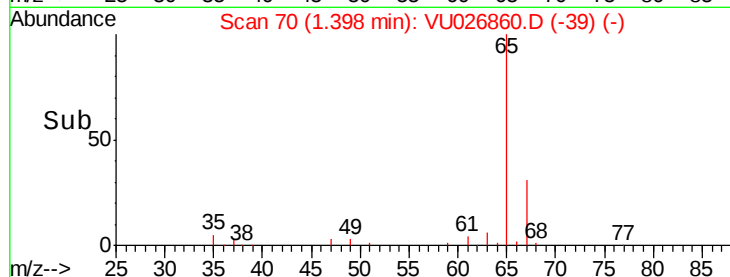
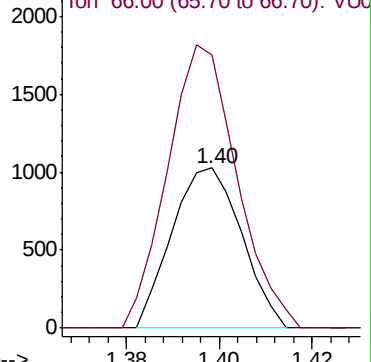
64 100

66 170.4 23.0 42.8#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#10

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

Concen: 0.589 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026860.D

Acq: 18 Sep 2018 14:28

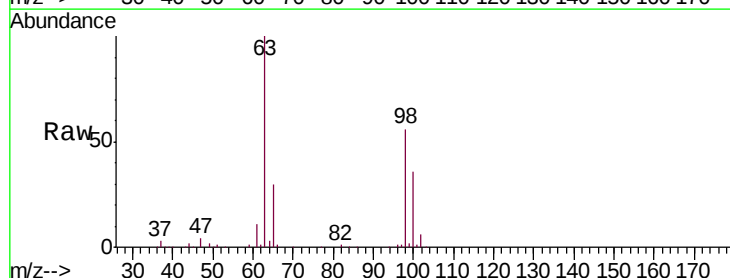
Tgt Ion: 101 Resp: 974

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

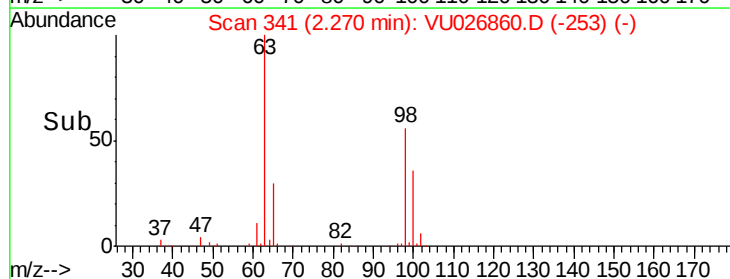
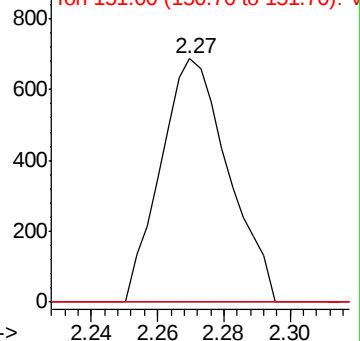
151 0.0 63.0 94.4#

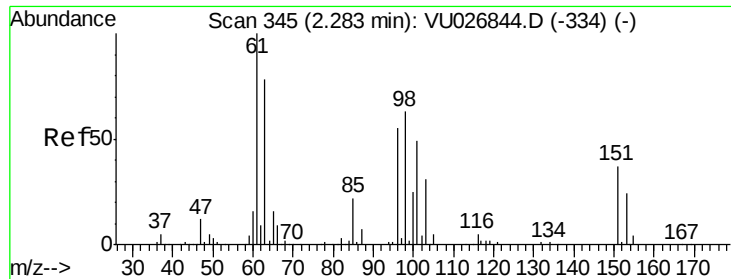


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

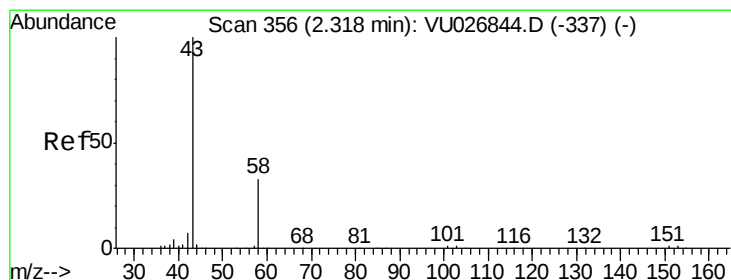
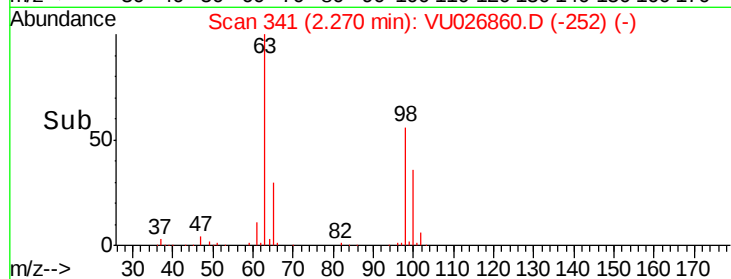
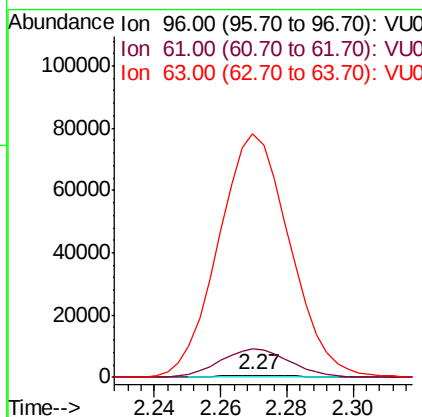
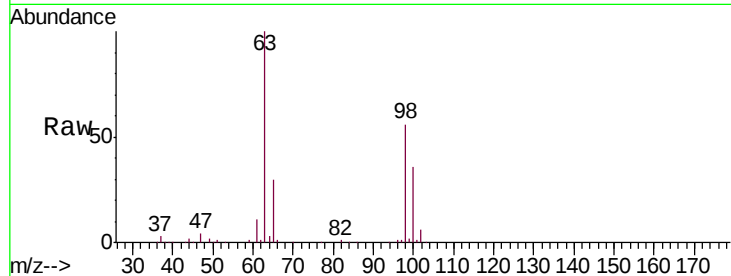




#12
 1,1-Dichloroethene
 Concen: 0.618 ug/L
 RT: 2.27 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VU026860.D
 Acq: 18 Sep 2018 14:28

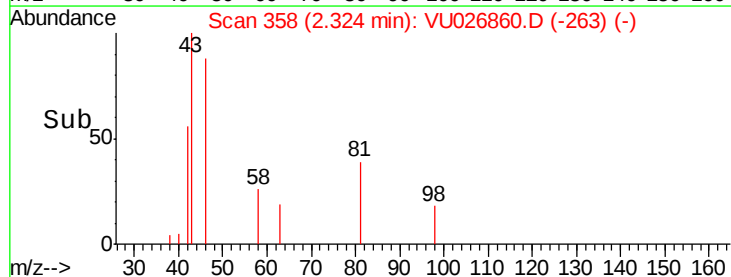
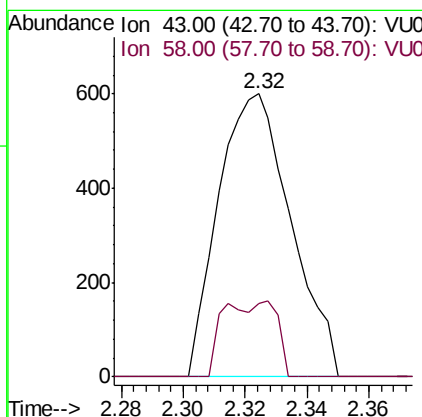
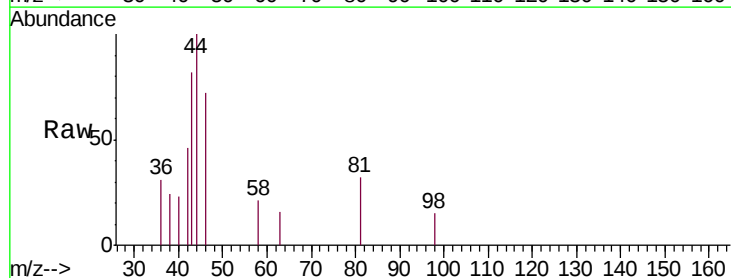
Instrument :
 MSVOA_U
 ClientSampleId :
 C08L6

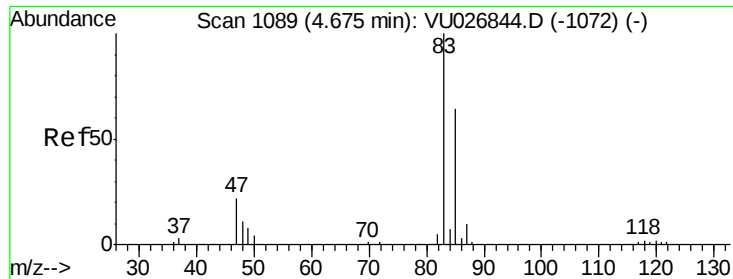
Tgt Ion: 96 Resp: 960
 Ion Ratio Lower Upper
 96 100
 61 1427.7 124.0 230.4#
 63 12427.3 97.7 181.5#



#13
 Acetone
 Concen: 0.847 ug/L
 RT: 2.32 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VU026860.D
 Acq: 18 Sep 2018 14:28

Tgt Ion: 43 Resp: 979
 Ion Ratio Lower Upper
 43 100
 58 8.8 0.0 64.6

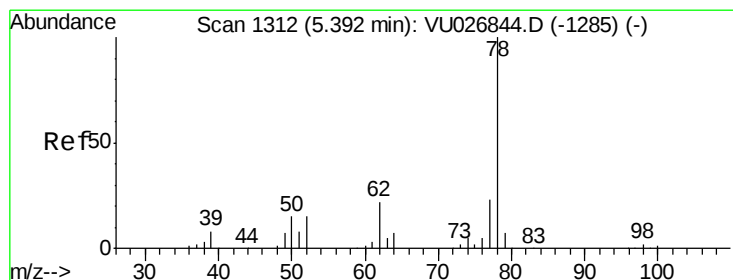
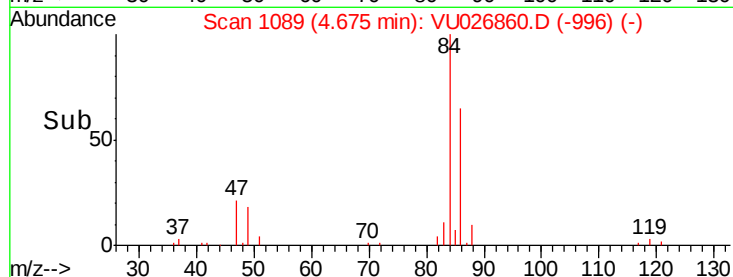
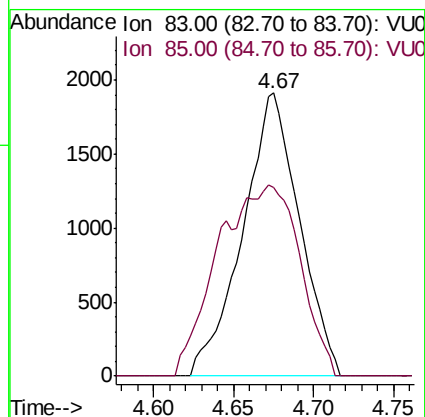
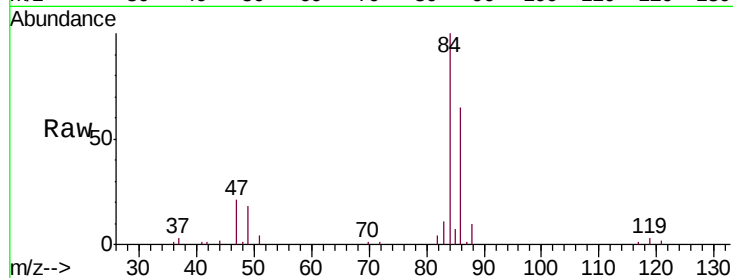




#25
Chloroform
Concen: 1.393 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026860.D
Acq: 18 Sep 2018 14:28

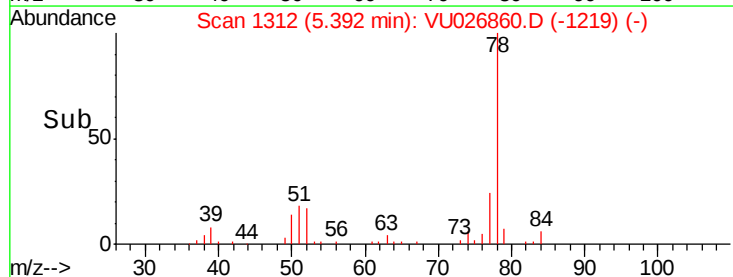
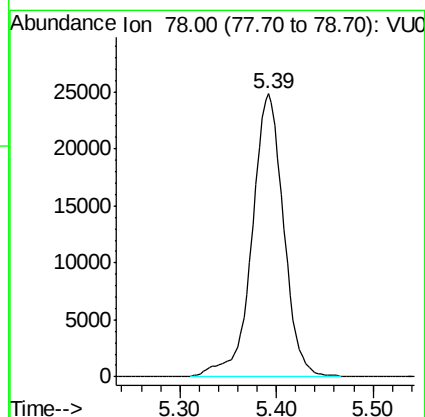
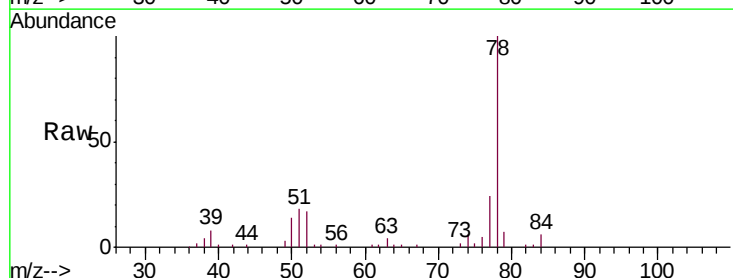
Instrument :
MSVOA_U
ClientSampled :
C08L6

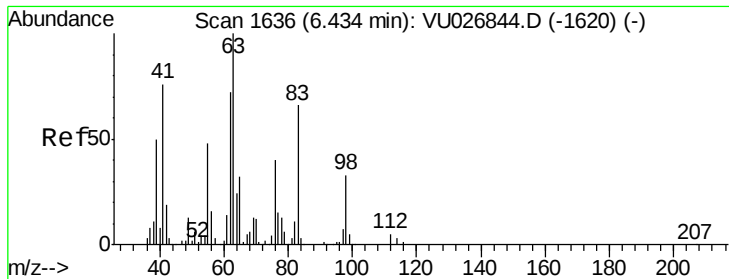
Tgt Ion: 83 Resp: 4656
Ion Ratio Lower Upper
83 100
85 66.5 44.4 82.5



#33
Benzene
Concen: 7.778 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026860.D
Acq: 18 Sep 2018 14:28

Tgt Ion: 78 Resp: 56354





#37

1,2-Dichloropropane

Concen: 5.851 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026860.D

Acq: 18 Sep 2018 14:28

Instrument :

MSVOA_U

ClientSampleId :

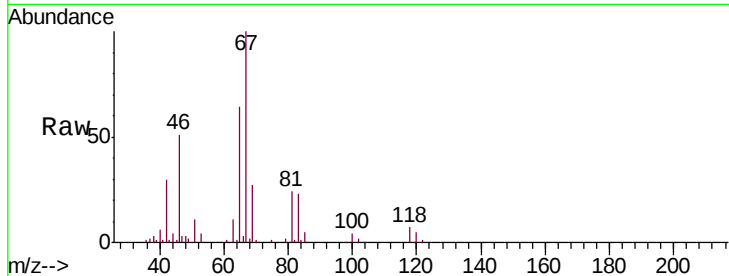
C08L6

Tgt Ion: 63 Resp: 11646

Ion Ratio Lower Upper

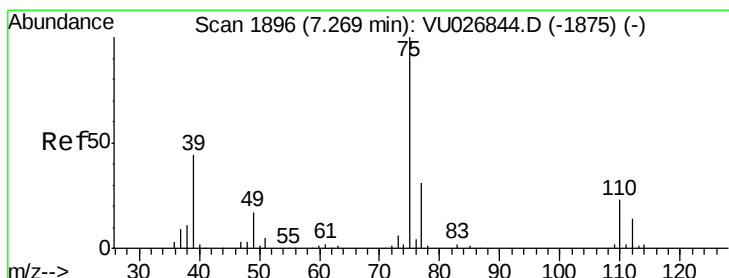
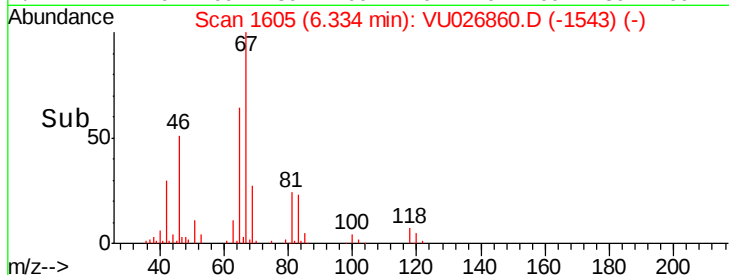
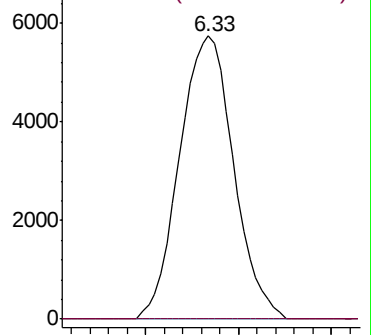
63 100

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: 0.891 ug/L

RT: 7.23 min Scan# 1884

Delta R.T. -0.04 min

Lab File: VU026860.D

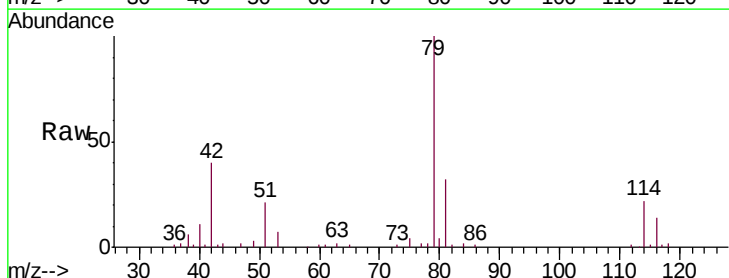
Acq: 18 Sep 2018 14:28

Tgt Ion: 75 Resp: 2504

Ion Ratio Lower Upper

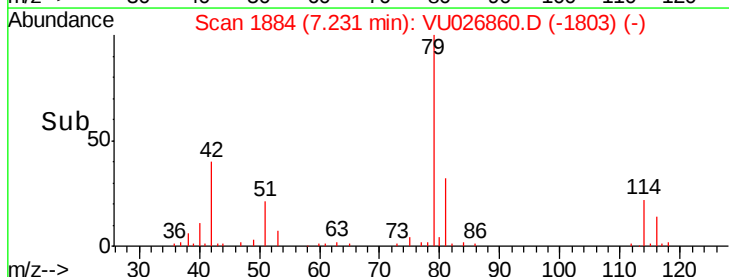
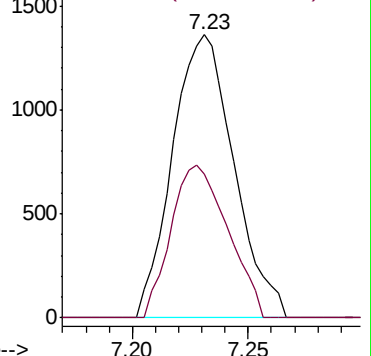
75 100

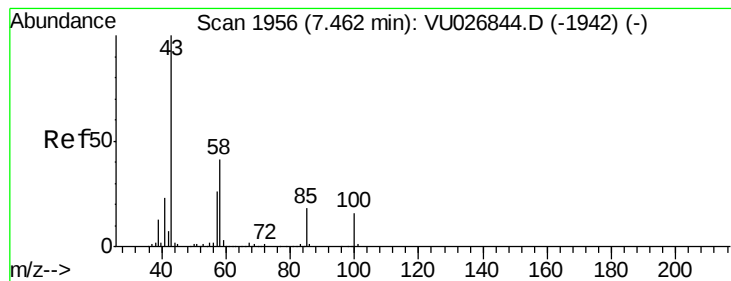
77 51.0 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#40

4-Methyl-2-pentanone

Concen: 0.474 ug/L

RT: 7.56 min Scan# 1987

Delta R.T. 0.10 min

Lab File: VU026860.D

Acq: 18 Sep 2018 14:28

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MSVOA_U

ClientSampleId :

C08L6

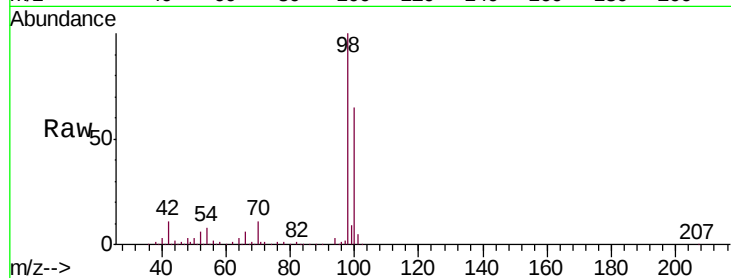
Tgt Ion: 43 Resp: 1120

Ion Ratio Lower Upper

43 100

58 197.6 32.0 48.0#

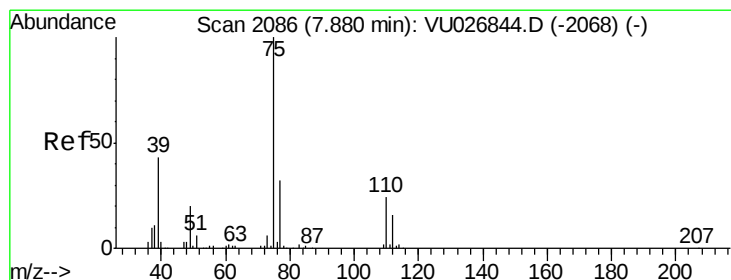
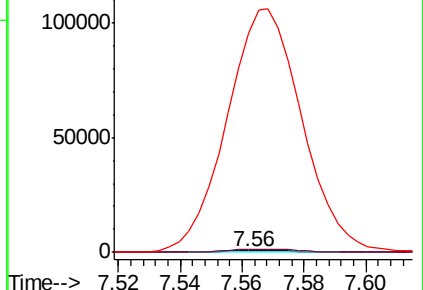
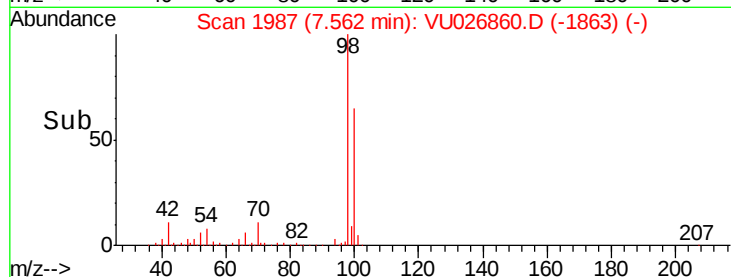
100 16094.4 12.6 19.0#



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: 0.704 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU026860.D

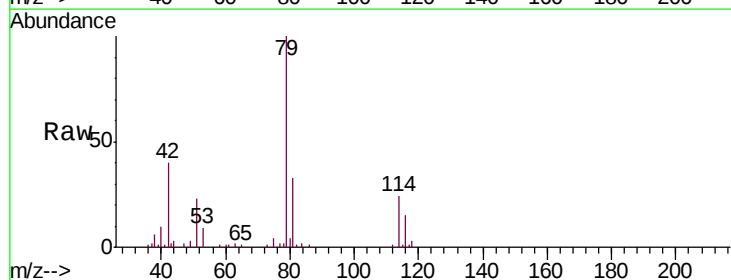
Acq: 18 Sep 2018 14:28

Tgt Ion: 75 Resp: 1854

Ion Ratio Lower Upper

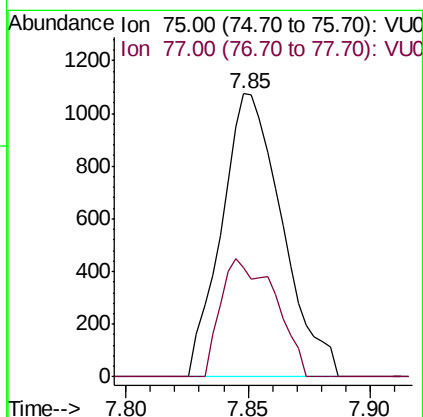
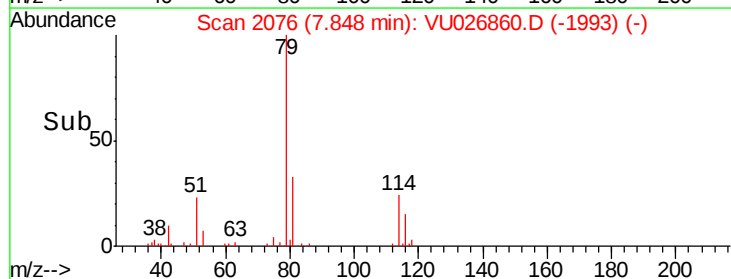
75 100

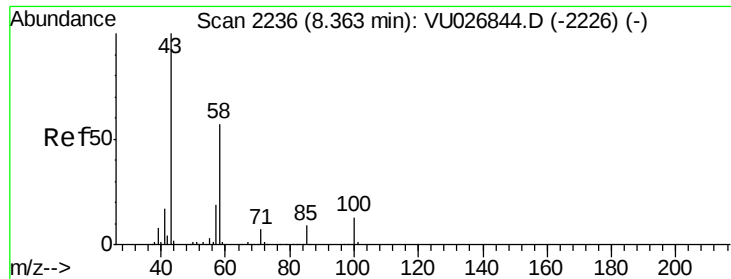
77 38.5 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

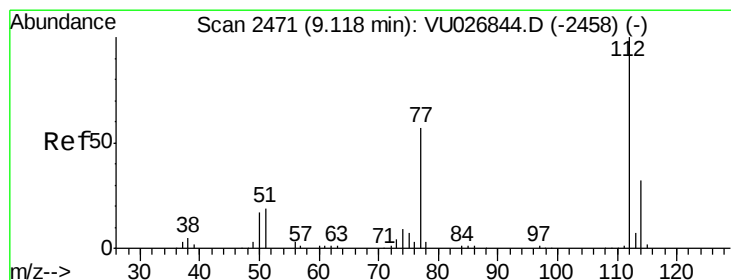
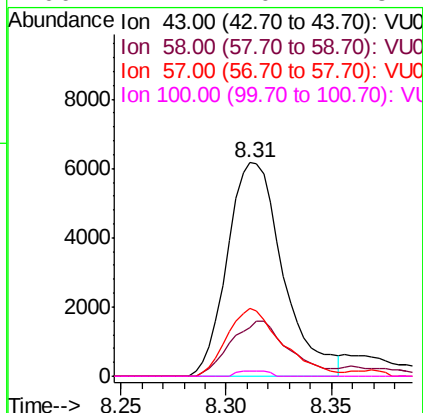
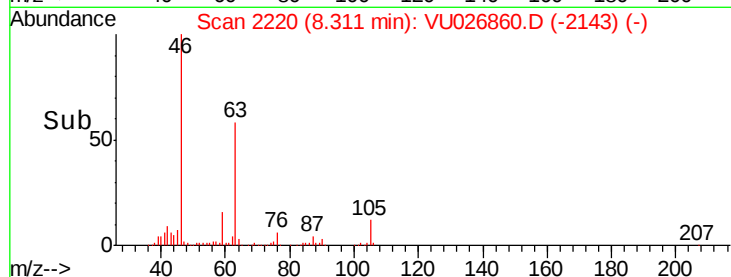
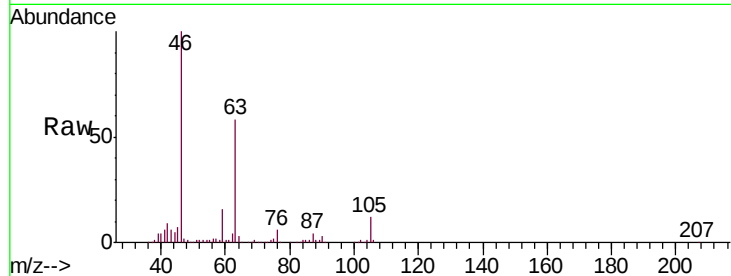




#48
2-Hexanone
Concen: 5.931 ug/L
RT: 8.31 min Scan# 2220
Delta R.T. -0.05 min
Lab File: VU026860.D
Acq: 18 Sep 2018 14:28

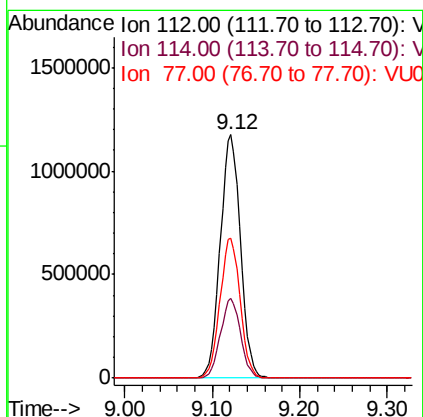
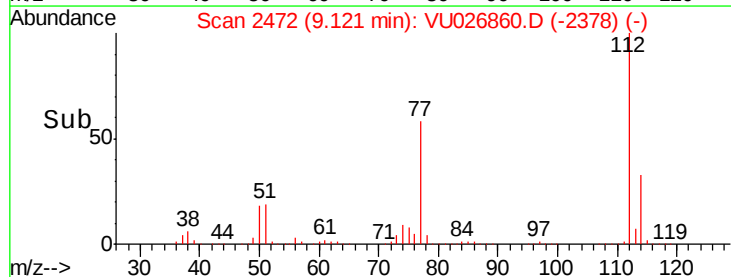
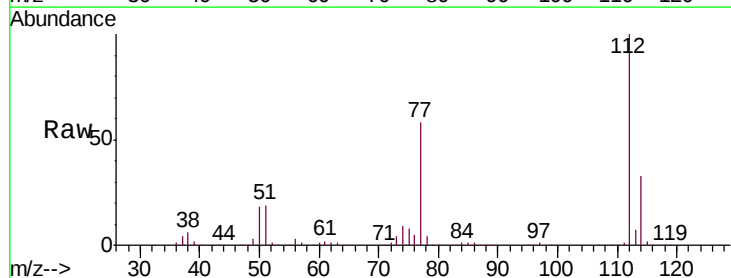
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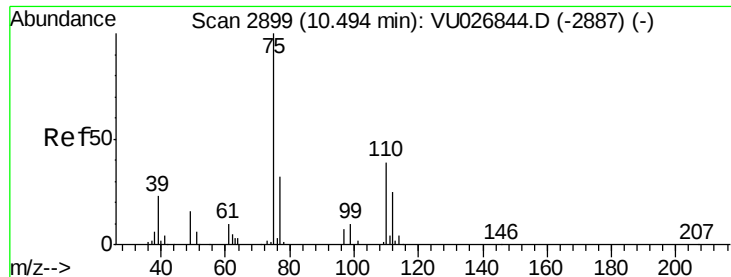
Tgt Ion: 43 Resp: 11314
Ion Ratio Lower Upper
43 100
58 26.8 44.9 67.3#
57 31.3 15.4 23.2#
100 1.4 10.2 15.4#



#51
Chlorobenzene
Concen: 378.343 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026860.D
Acq: 18 Sep 2018 14:28

Tgt Ion: 112 Resp: 1882260
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.5
77 57.7 45.1 67.7

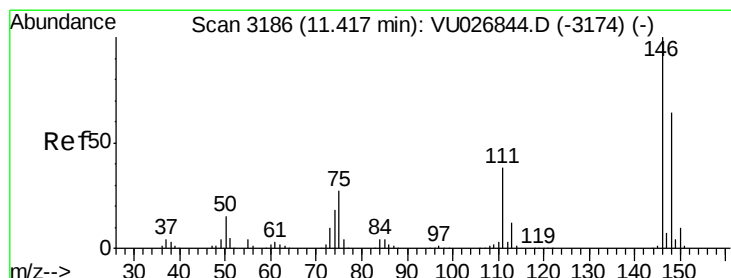
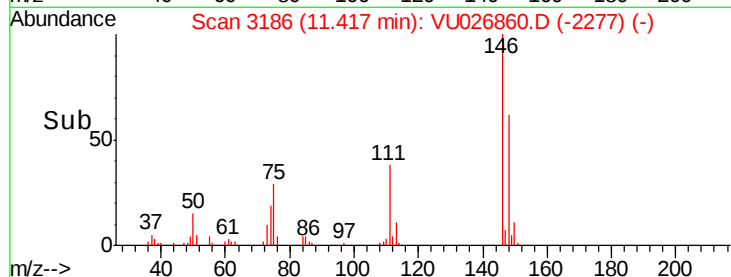
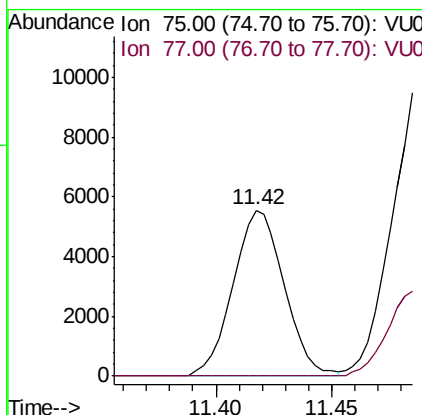
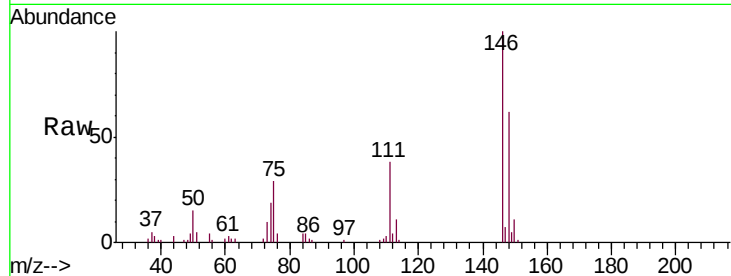




#59
 1,2,3-Trichloropropane
 Concen: 3.564 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.92 min
 Lab File: VU026860.D
 Acq: 18 Sep 2018 14:28

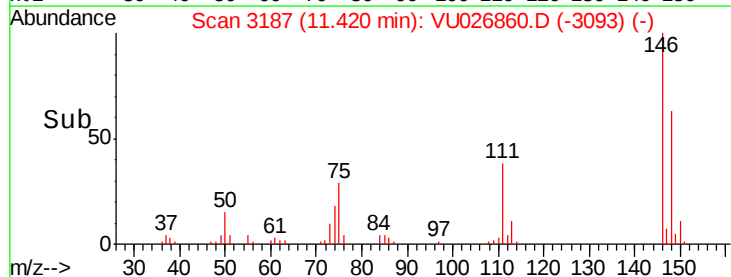
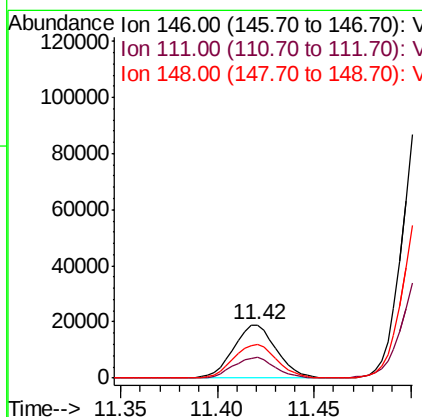
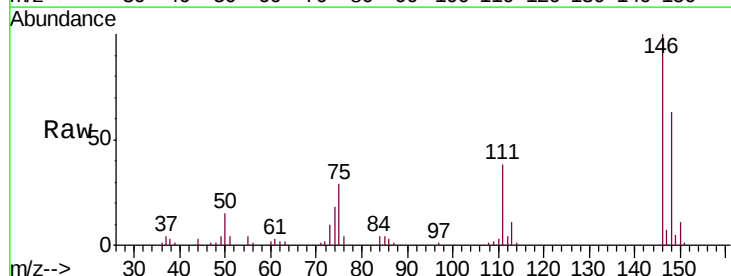
Instrument :
 MSVOA_U
 ClientSampled :
 C08L6

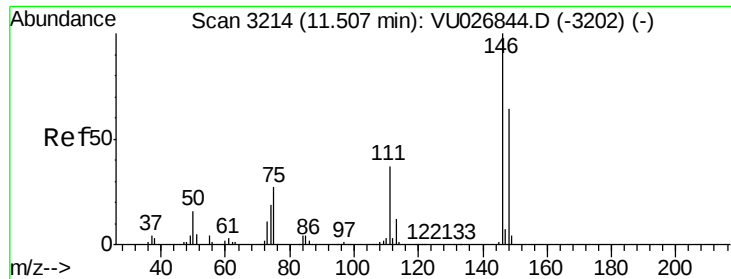
Tgt Ion: 75 Resp: 8496
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#62
 1,3-Dichlorobenzene
 Concen: 9.351 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026860.D
 Acq: 18 Sep 2018 14:28

Tgt Ion: 146 Resp: 29147
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.7 49.7
 148 62.6 44.9 83.5

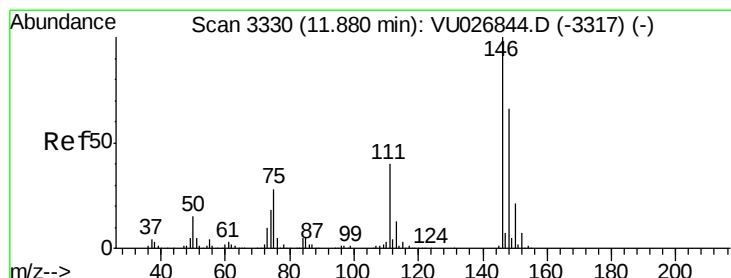
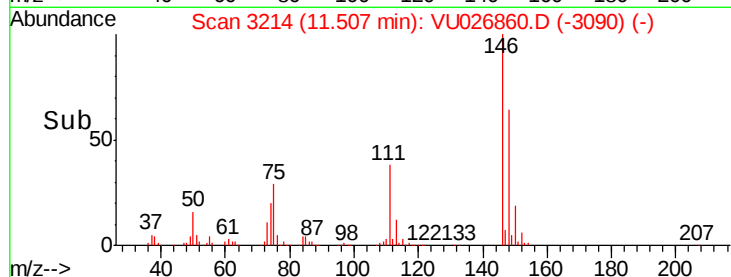
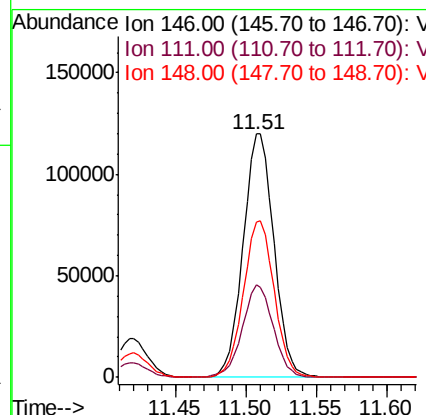
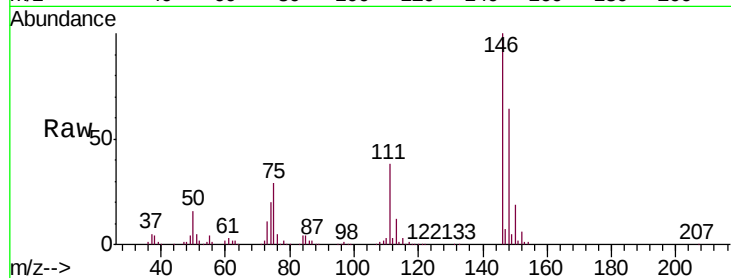




#63
 1,4-Dichlorobenzene
 Concen: 53.453 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026860.D
 Acq: 18 Sep 2018 14:28

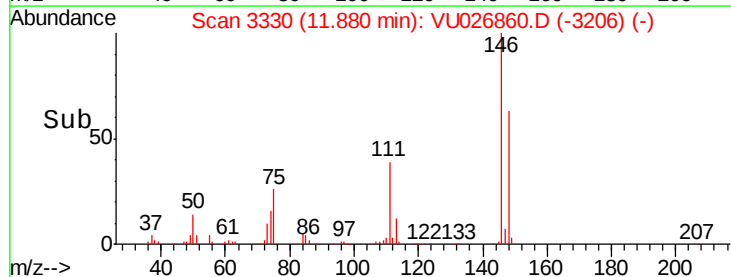
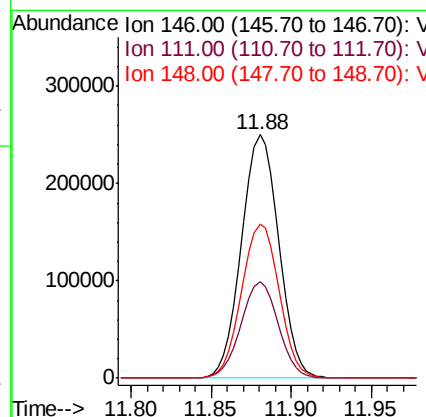
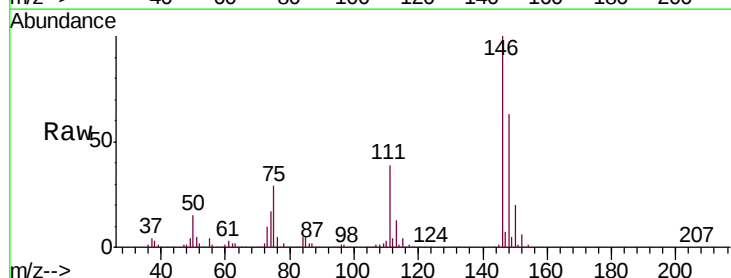
Instrument :
 MSVOA_U
 ClientSampleId :
 C08L6

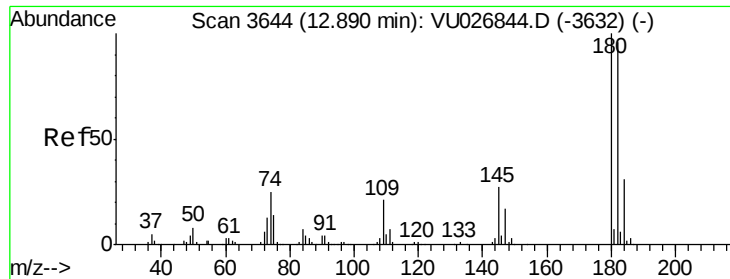
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	26.0	48.2
148	64.0	45.8	85.2



#65
 1,2-Dichlorobenzene
 Concen: 115.189 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026860.D
 Acq: 18 Sep 2018 14:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	31.4	47.0
148	63.3	51.4	77.2

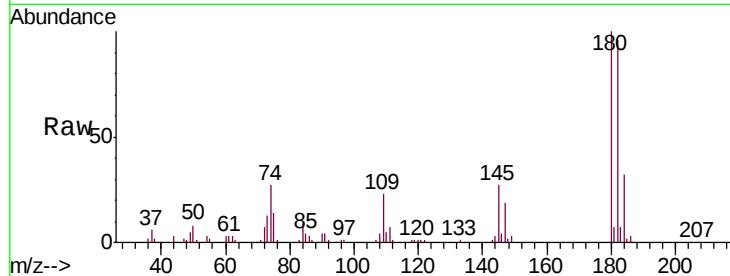




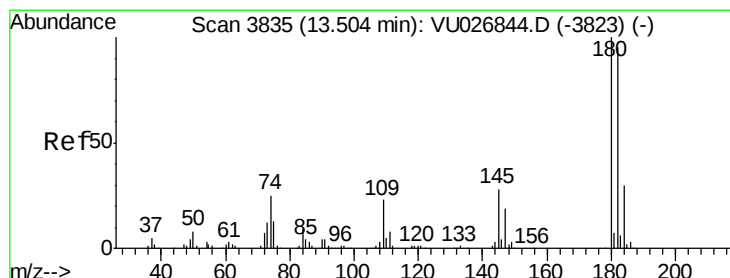
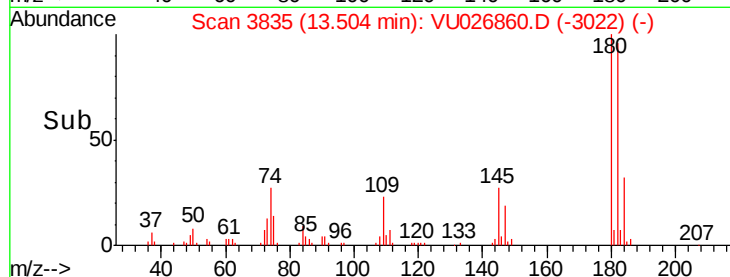
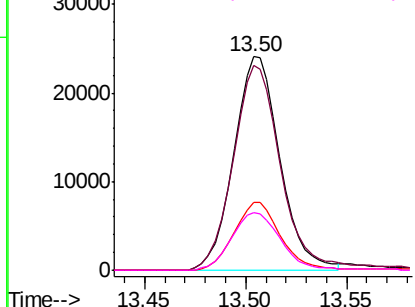
#67
 1,3,5-Trichlorobenzene
 Concen: 16.041 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.61 min
 Lab File: VU026860.D
 Acq: 18 Sep 2018 14:28

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L6

Tgt Ion:180 Resp: 38692
 Ion Ratio Lower Upper
 180 100
 182 98.0 76.7 115.1
 184 31.9 24.2 36.4
 145 28.5 21.8 32.6

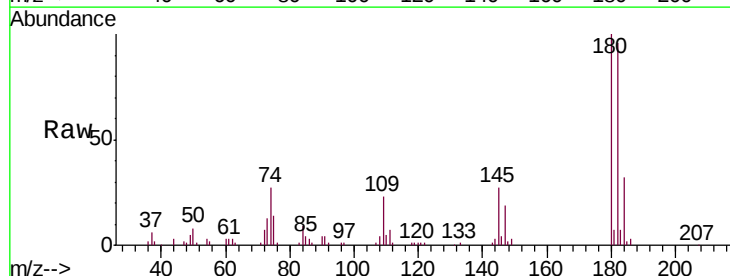


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

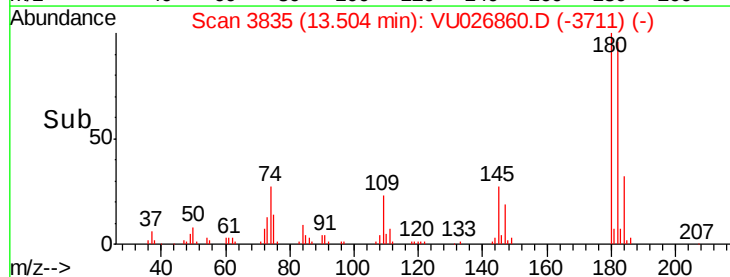
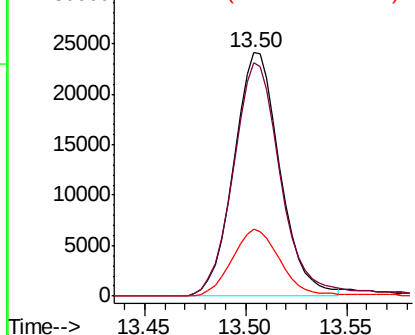


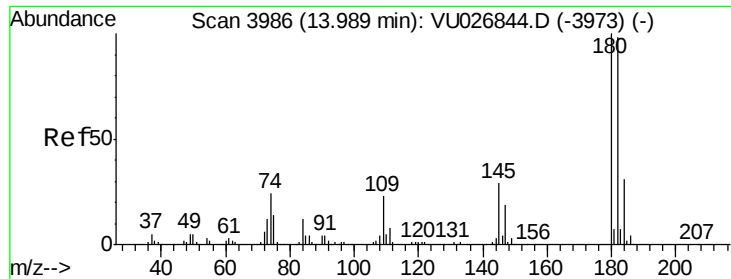
#68
 1,2,4-trichlorobenzene
 Concen: 18.615 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026860.D
 Acq: 18 Sep 2018 14:28

Tgt Ion:180 Resp: 38692
 Ion Ratio Lower Upper
 180 100
 182 98.0 76.8 115.2
 145 28.5 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

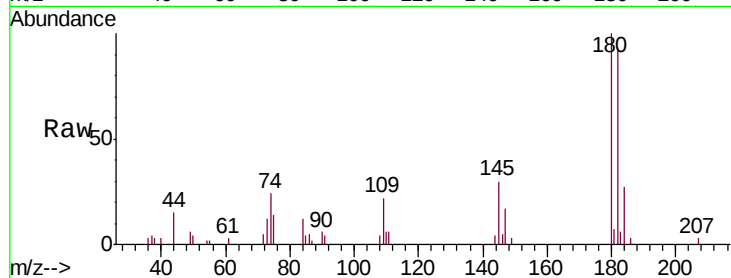




#70
 1,2,3-Trichlorobenzene
 Concen: 4.035 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. -0.00 min
 Lab File: VU026860.D
 Acq: 18 Sep 2018 14:28

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L6

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	75.6	113.4
145	27.1	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

