

Data File : VU026857.D
Acq On : 18 Sep 2018 13:18
Operator : MD/SY
Sample : J4896-07 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08L0

Quant Time: Sep 19 05:07:47 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	241068	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	231281	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	117167	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77471	43.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.88%
7) Chloroethane-d5	1.68	69	71349	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.48%
11) 1,1-Dichloroethene-d2	2.27	63	116014	34.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.76%
21) 2-Butanone-d5	4.18	46	129951	109.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.81%
24) Chloroform-d	4.65	84	155498	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.02%
26) 1,2-Dichloroethane-d4	5.31	65	104337	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.18%
32) Benzene-d6	5.34	84	321108	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
36) 1,2-Dichloropropane-d6	6.33	67	105823	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.34%
41) Toluene-d8	7.57	98	276615	47.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.48%
43) trans-1,3-Dichloropropene-	7.85	79	43617	46.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.56%
47) 2-Hexanone-d5	8.31	63	92201	112.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.33%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	144297	49.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.10%
64) 1,2-Dichlorobenzene-d4	11.48	152	109239	44.82	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.64%

Target Compounds

					Qvalue	
8) Chloroethane	1.40	64	1129	0.797	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	937	0.563	ug/L #	18
13) Acetone	2.32	43	704	0.605	ug/L	61
25) Chloroform	4.68	83	6190	1.840	ug/L	87
27) 1,2-Dichloroethane	5.39	62	2529	0.964	ug/L #	72
31) Carbon tetrachloride	5.14	117	1599	0.649	ug/L	99
33) Benzene	5.39	78	233314	32.538	ug/L	100
37) 1,2-Dichloropropane	6.33	63	11106	5.638	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2468	0.887	ug/L #	57
44) trans-1,3-Dichloropropene	7.85	75	1718	0.659	ug/L	89
51) Chlorobenzene	9.12	112	632520	128.463	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	55091	23.349	ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	196235	54.940	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	671246	170.669	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	1070764	270.742	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	155277	56.179	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	155277	65.192	ug/L	99

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

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Quant Title : VOC Analysis
QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration

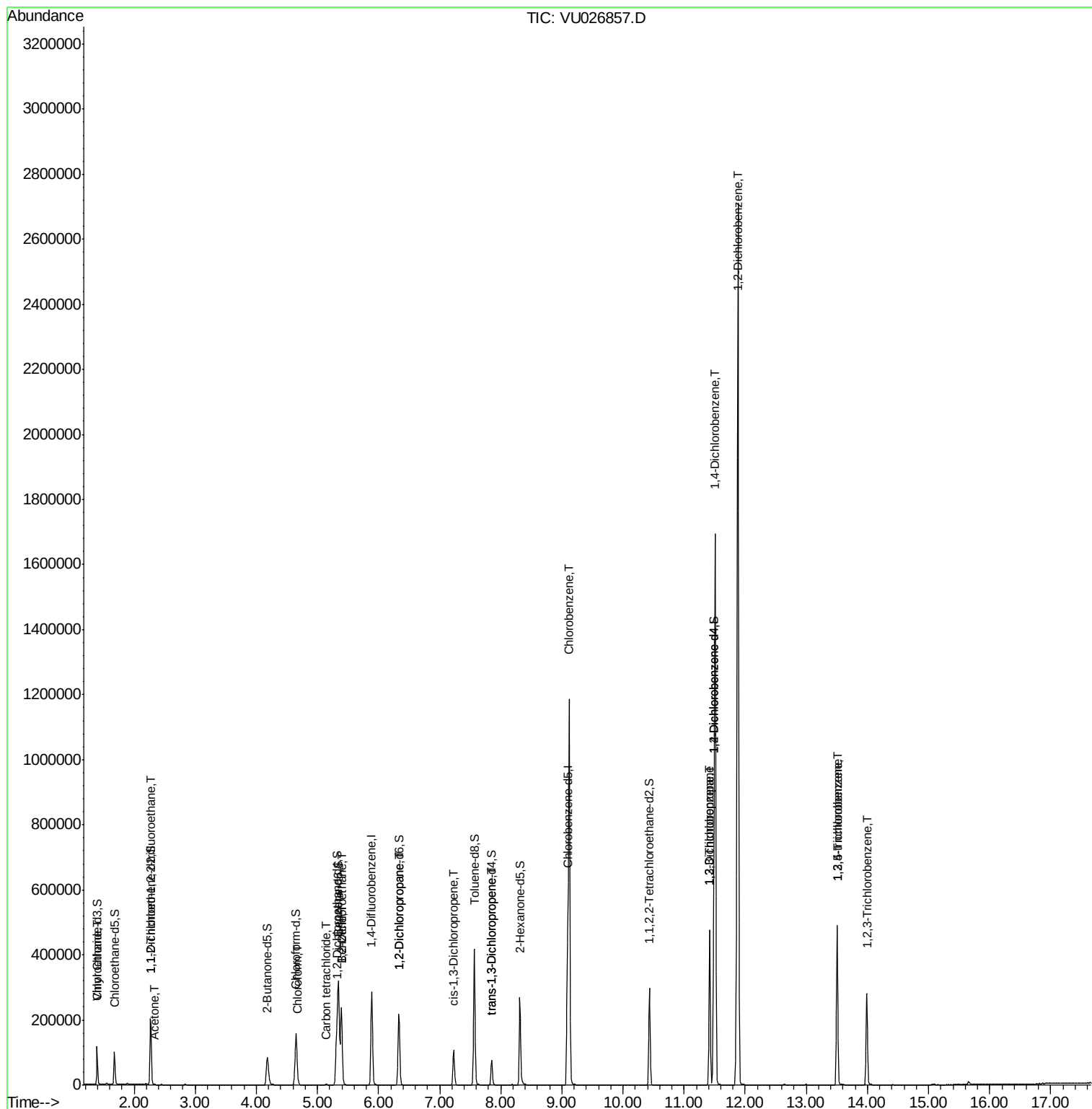
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.99	180	94456	36.012	ug/L	99

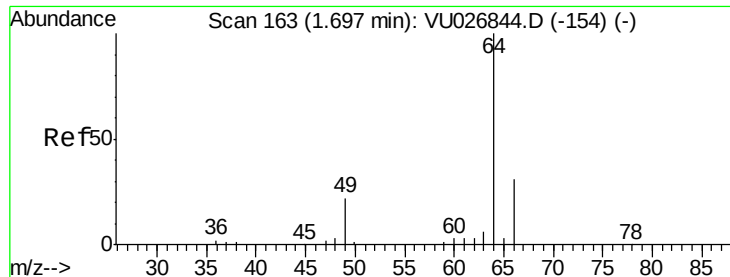
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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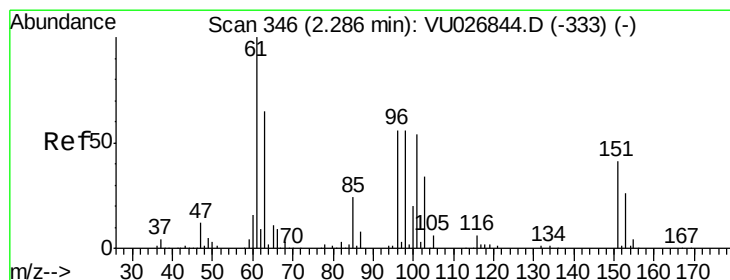
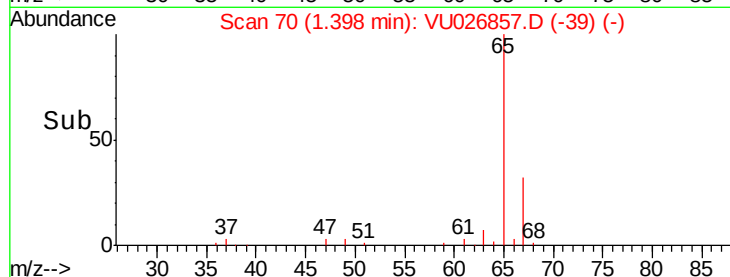
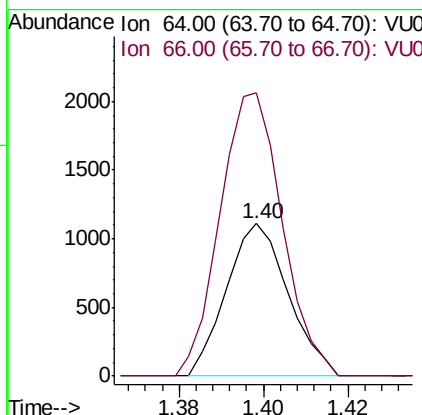
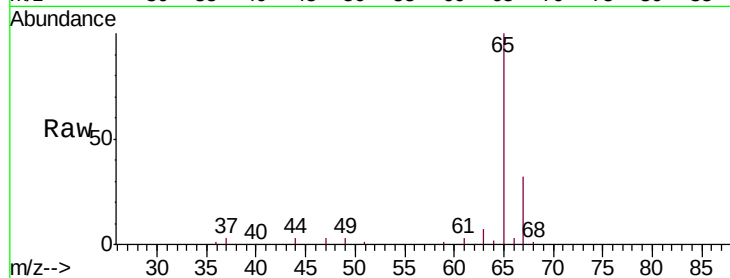




#8
Chloroethane
Concen: 0.797 ug/L
RT: 1.40 min Scan# 70
Delta R.T. -0.30 min
Lab File: VU026857.D
Acq: 18 Sep 2018 13:18

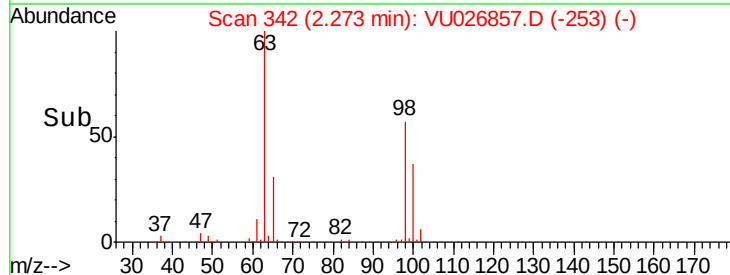
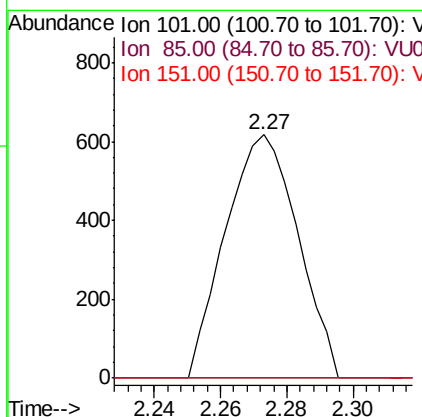
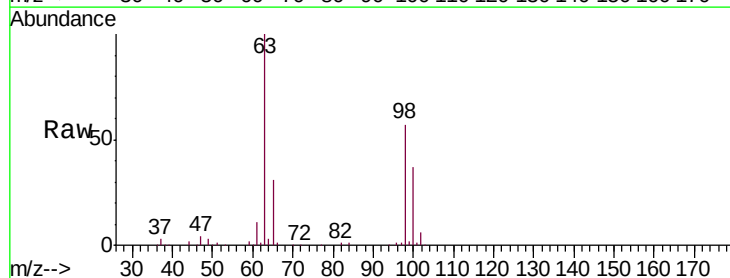
Instrument :
MSVOA_U
ClientSampleId :
C08L0

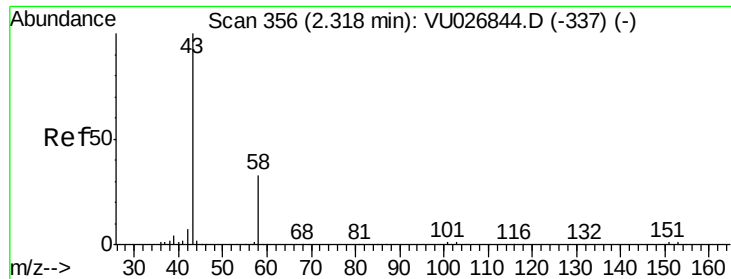
Tgt Ion: 64 Resp: 1129
Ion Ratio Lower Upper
64 100
66 185.4 23.0 42.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.563 ug/L
RT: 2.27 min Scan# 342
Delta R.T. -0.01 min
Lab File: VU026857.D
Acq: 18 Sep 2018 13:18

Tgt Ion: 101 Resp: 937
Ion Ratio Lower Upper
101 100
85 0.0 34.6 52.0#
151 0.0 63.0 94.4#





#13

Acetone

Concen: 0.605 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026857.D

Acq: 18 Sep 2018 13:18

Instrument :

MSVOA_U

ClientSampleId :

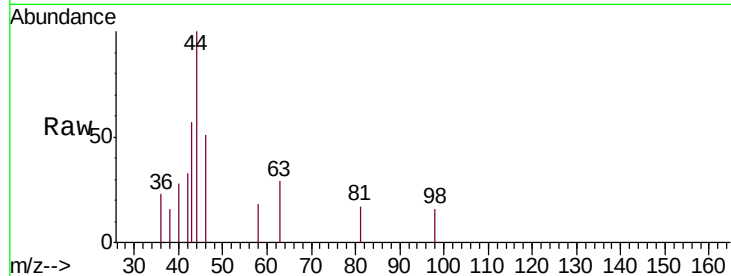
C08L0

Tgt Ion: 43 Resp: 704

Ion Ratio Lower Upper

43 100

58 10.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

400

300

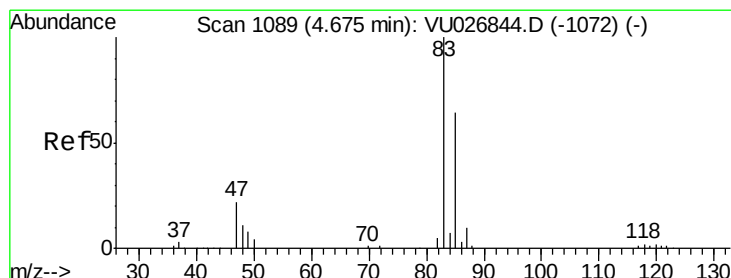
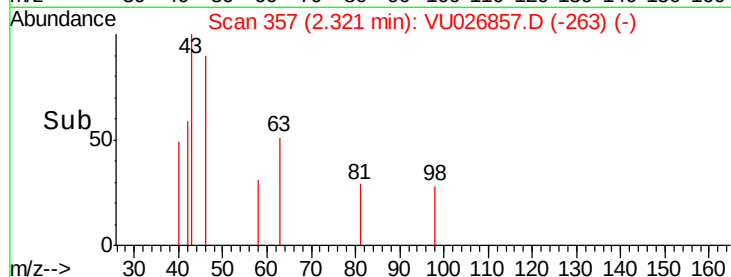
200

100

0

2.28 2.30 2.32 2.34 2.36

Time-->



#25

Chloroform

Concen: 1.840 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU026857.D

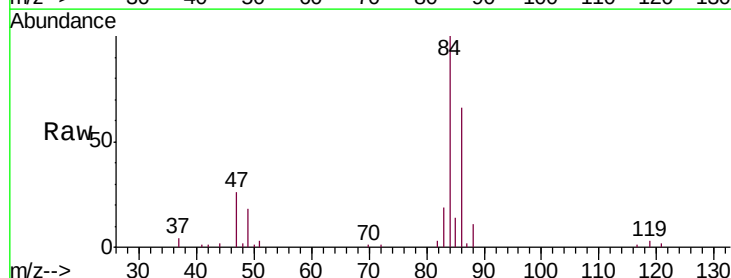
Acq: 18 Sep 2018 13:18

Tgt Ion: 83 Resp: 6190

Ion Ratio Lower Upper

83 100

85 73.8 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.68

2500

2000

1500

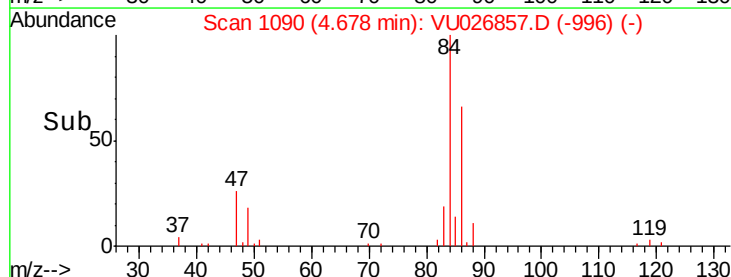
1000

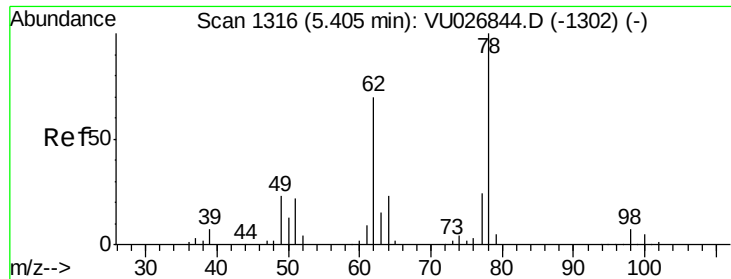
500

0

4.60 4.65 4.70 4.75

Time-->

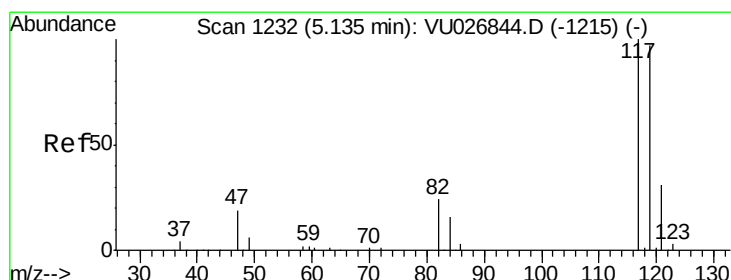
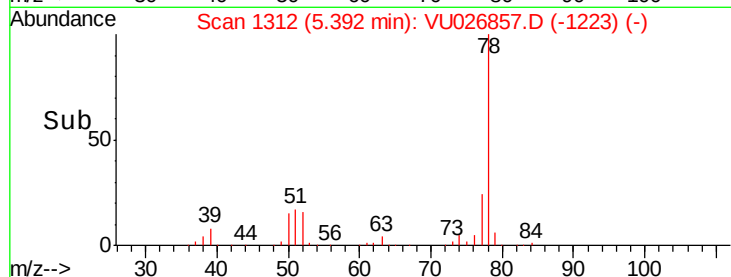
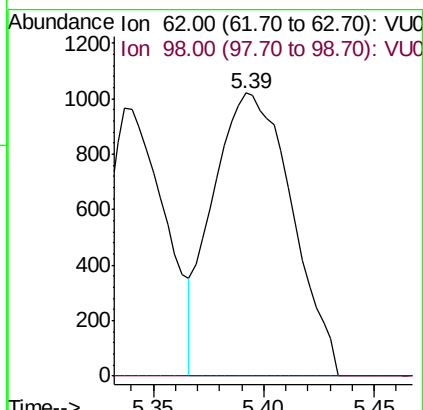
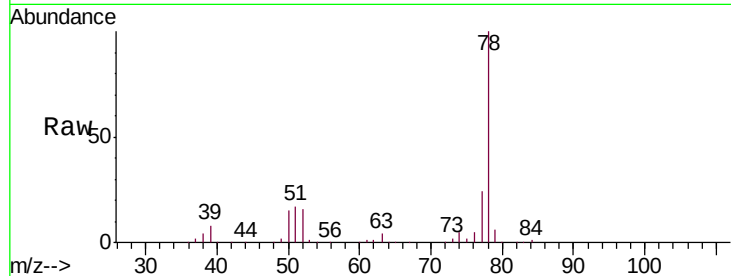




#27
 1,2-Dichloroethane
 Concen: 0.964 ug/L
 RT: 5.39 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: VU026857.D
 Acq: 18 Sep 2018 13:18

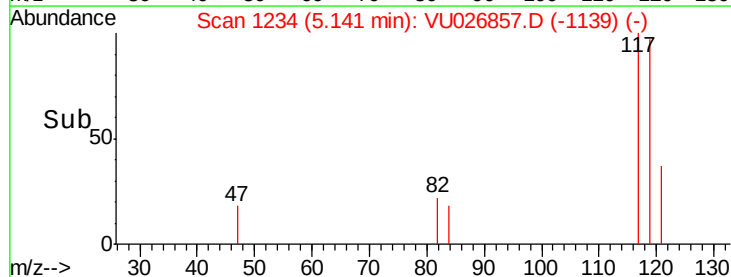
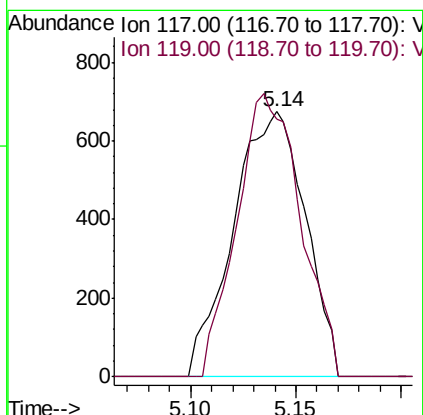
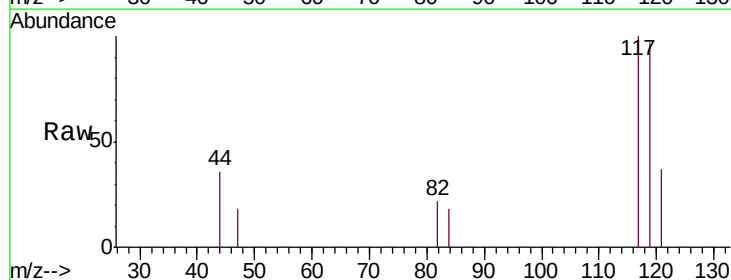
Instrument :
 MSVOA_U
 ClientSampleId :
 C08L0

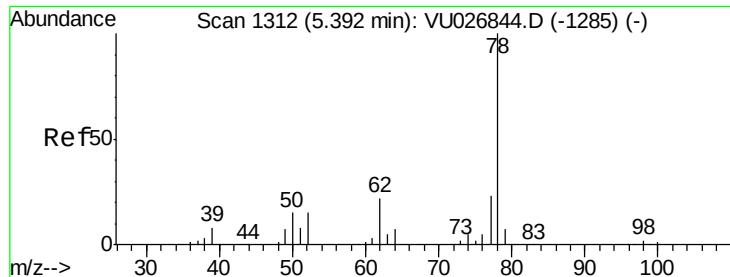
Tgt Ion: 62 Resp: 2529
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



#31
 Carbon tetrachloride
 Concen: 0.649 ug/L
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: VU026857.D
 Acq: 18 Sep 2018 13:18

Tgt Ion: 117 Resp: 1599
 Ion Ratio Lower Upper
 117 100
 119 94.6 76.3 114.5





#33

Benzene

Concen: 32.538 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU026857.D

Acq: 18 Sep 2018 13:18

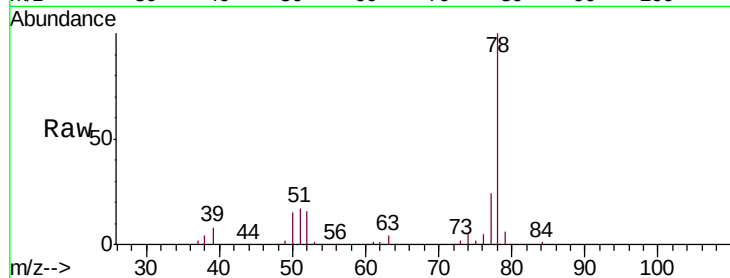
Instrument :

MSVOA_U

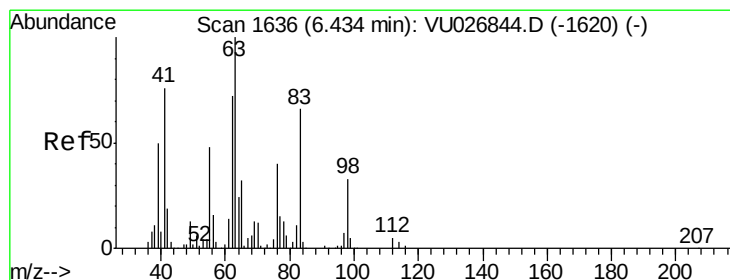
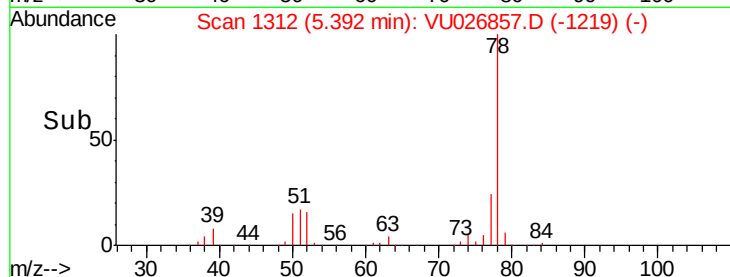
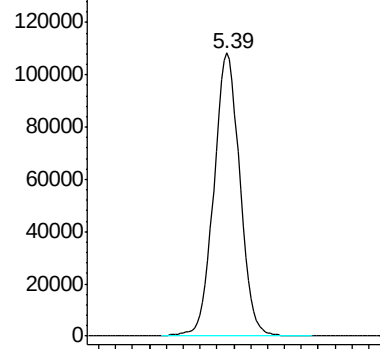
ClientSampleId :

C08L0

Tgt Ion: 78 Resp: 233314



Abundance Ion 78.00 (77.70 to 78.70): VU0



#37

1,2-Dichloropropane

Concen: 5.638 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026857.D

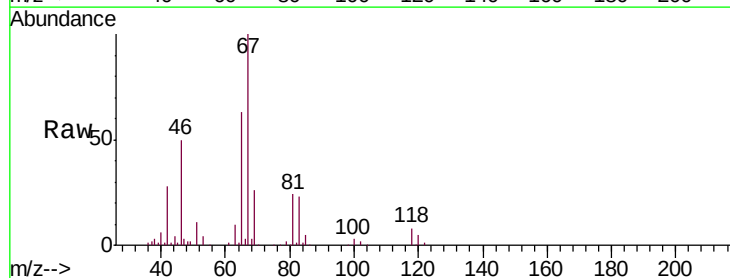
Acq: 18 Sep 2018 13:18

Tgt Ion: 63 Resp: 11106

Ion Ratio Lower Upper

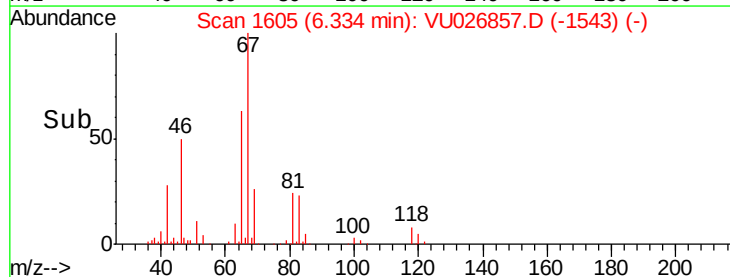
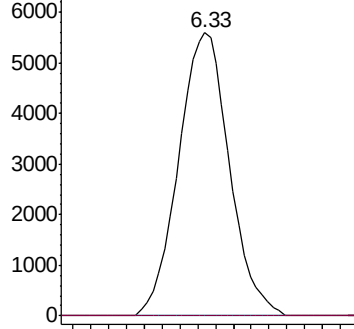
63 100

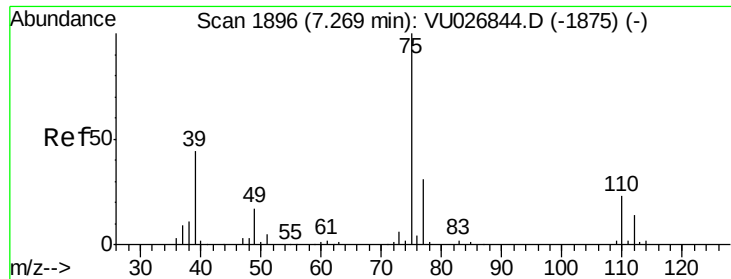
112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

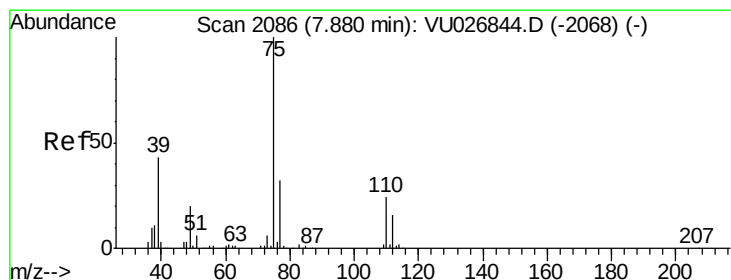
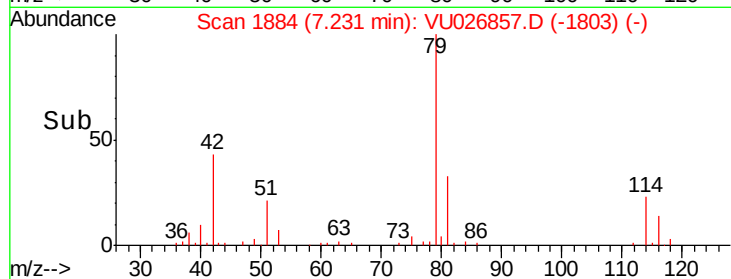
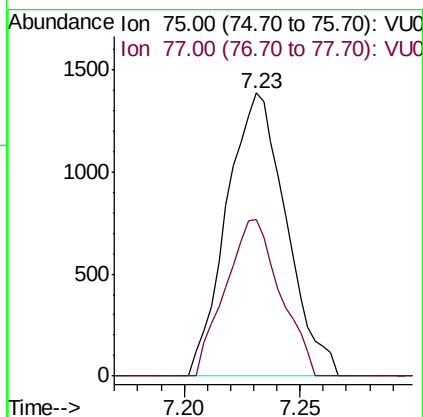
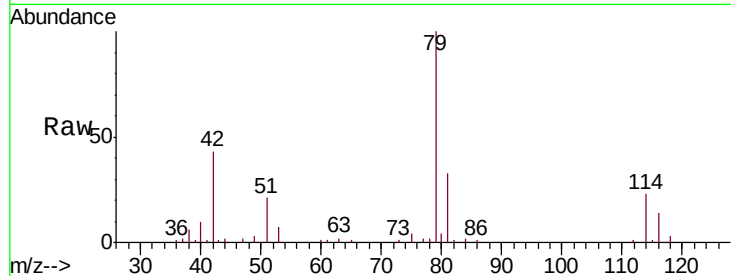




#39
 cis-1,3-Dichloropropene
 Concen: 0.887 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026857.D
 Acq: 18 Sep 2018 13:18

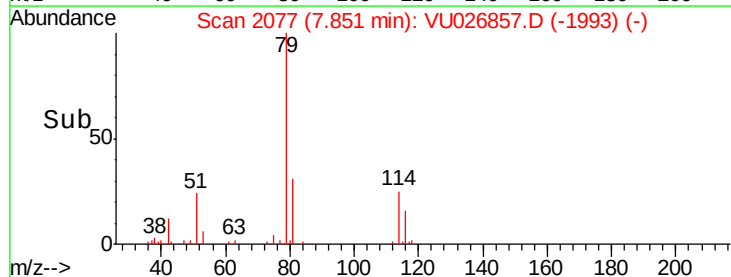
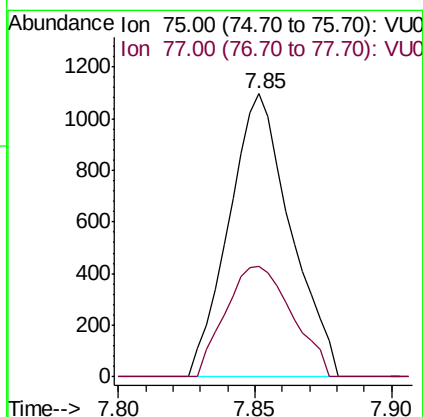
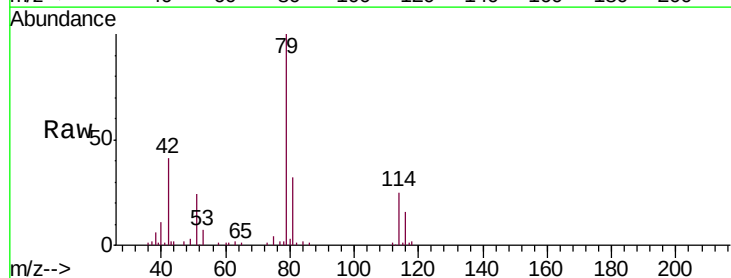
Instrument :
 MSVOA_U
 ClientSampleId :
 C08L0

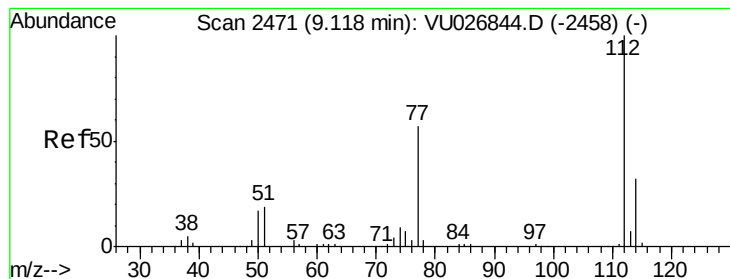
Tgt Ion: 75 Resp: 2468
 Ion Ratio Lower Upper
 75 100
 77 55.3 22.1 41.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.659 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU026857.D
 Acq: 18 Sep 2018 13:18

Tgt Ion: 75 Resp: 1718
 Ion Ratio Lower Upper
 75 100
 77 38.9 22.8 42.4





#51

Chlorobenzene

Concen: 128.463 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026857.D

Acq: 18 Sep 2018 13:18

Instrument :

MSVOA_U

ClientSampleId :

C08L0

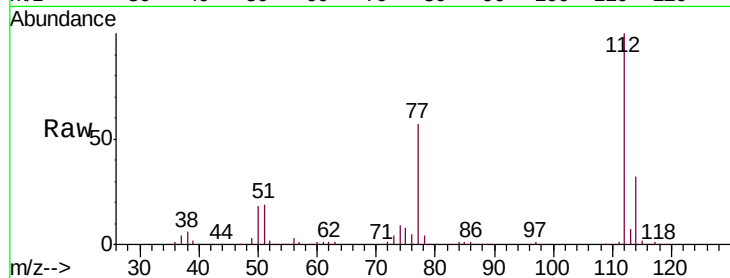
Tgt Ion: 112 Resp: 632520

Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.5

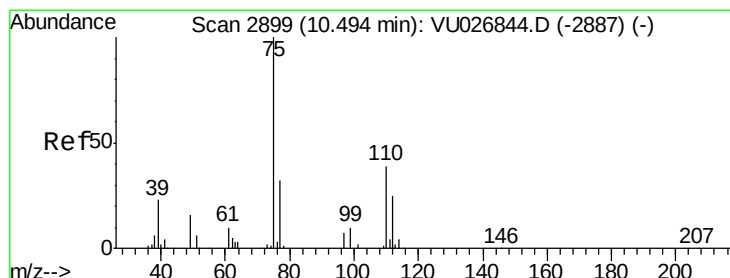
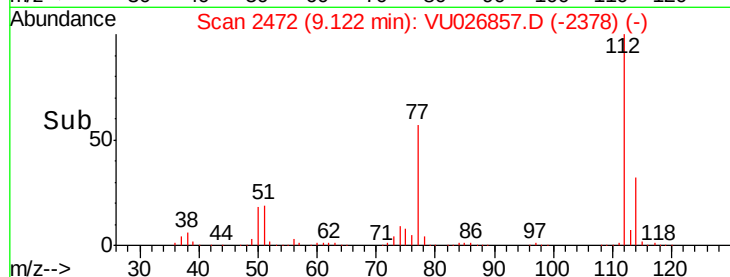
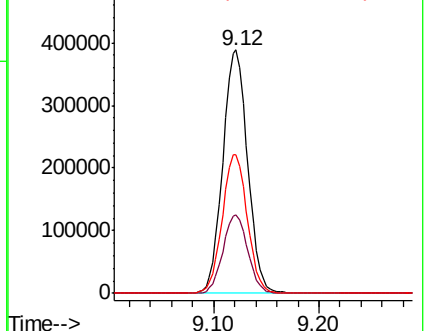
77 57.2 45.1 67.7



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): VU



#59

1,2,3-Trichloropropane

Concen: 23.349 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026857.D

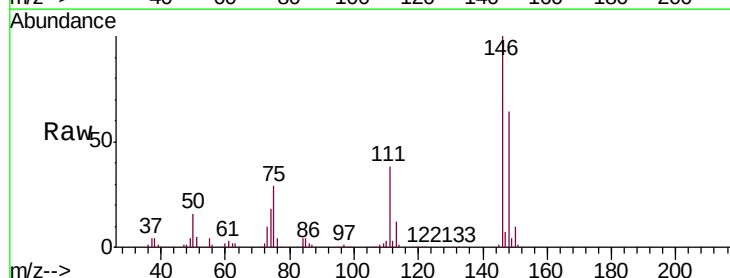
Acq: 18 Sep 2018 13:18

Tgt Ion: 75 Resp: 55091

Ion Ratio Lower Upper

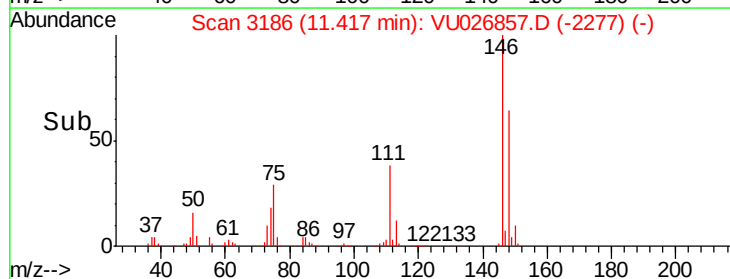
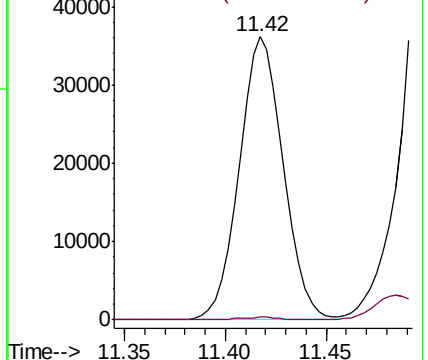
75 100

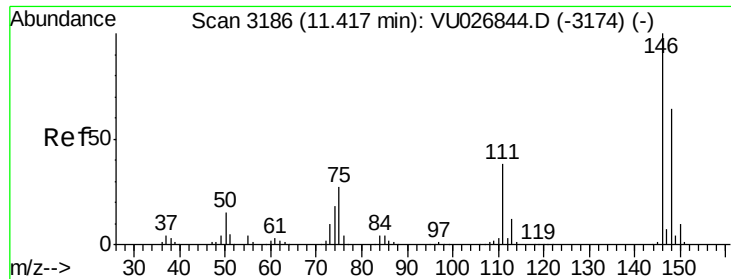
77 0.8 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#62

1,3-Dichlorobenzene

Concen: 54.940 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026857.D

Acq: 18 Sep 2018 13:18

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MSVOA_U

ClientSampleId :

C08L0

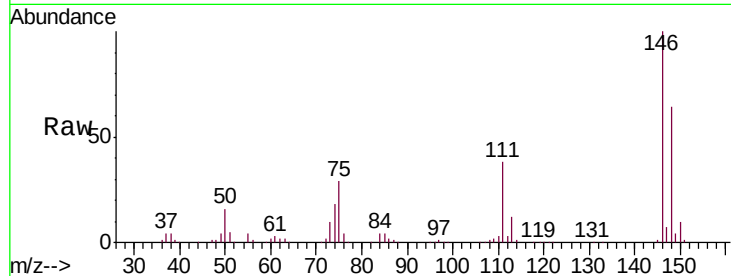
Tgt Ion:146 Resp: 196235

Ion Ratio Lower Upper

146 100

111 37.9 26.7 49.7

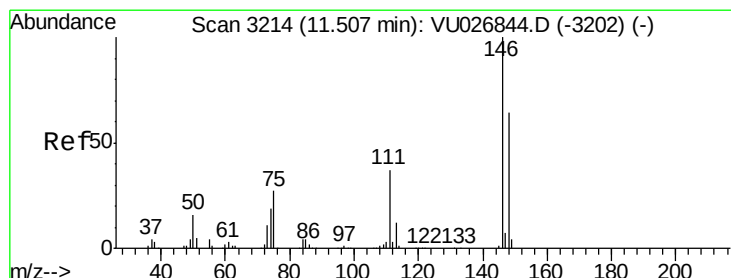
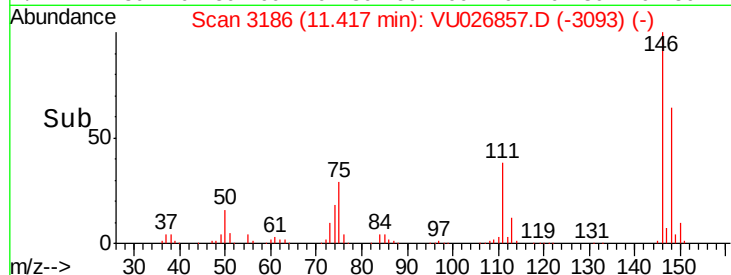
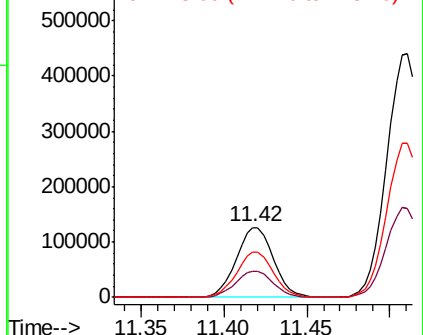
148 64.2 44.9 83.5



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: 170.669 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026857.D

Acq: 18 Sep 2018 13:18

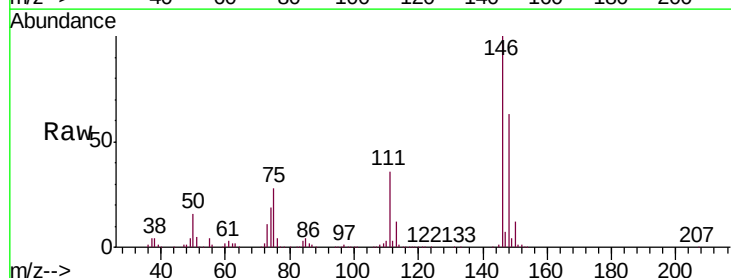
Tgt Ion:146 Resp: 671246

Ion Ratio Lower Upper

146 100

111 36.3 26.0 48.2

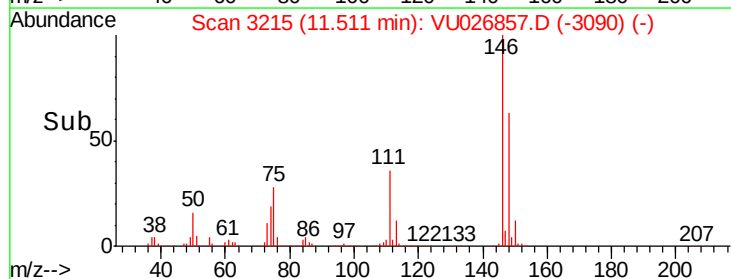
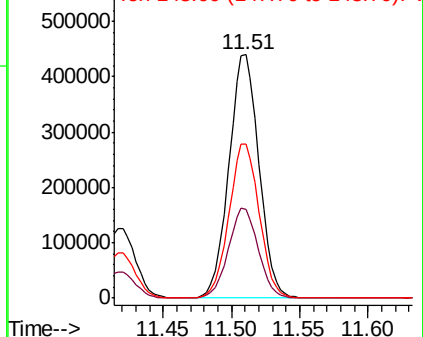
148 63.3 45.8 85.2

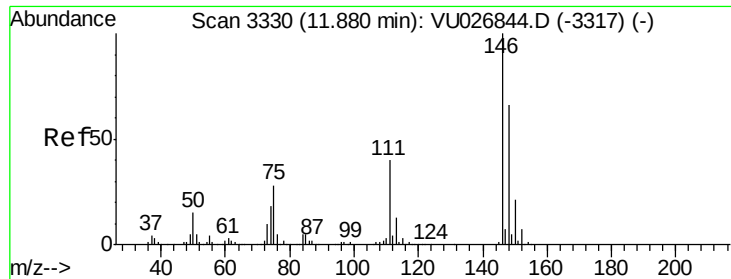


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 270.742 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026857.D

Acq: 18 Sep 2018 13:18

Instrument :

MSVOA_U

ClientSampled :

C08L0

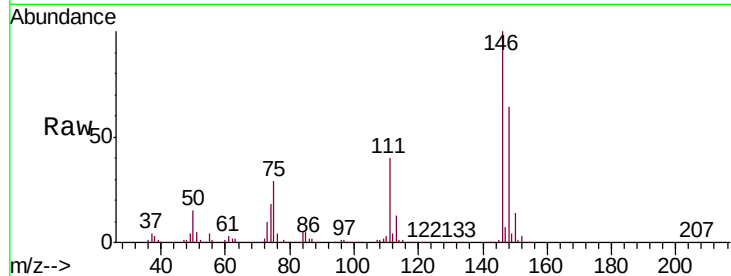
Tgt Ion:146 Resp: 1070764

Ion Ratio Lower Upper

146 100

111 39.7 31.4 47.0

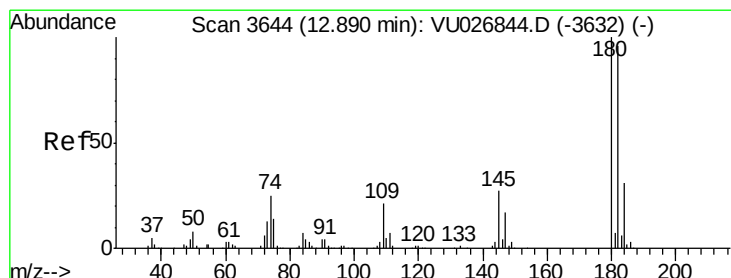
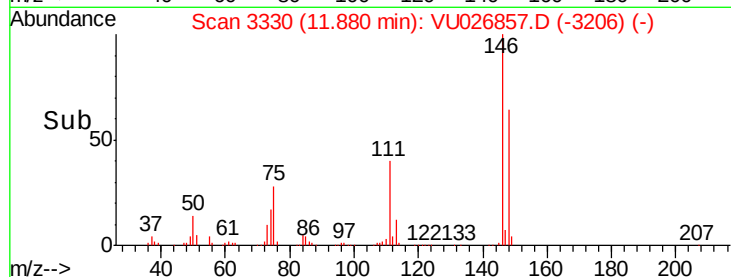
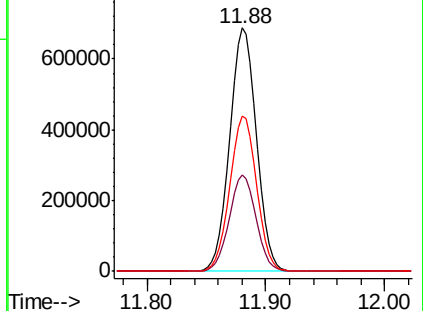
148 63.9 51.4 77.2



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: 56.179 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. 0.61 min

Lab File: VU026857.D

Acq: 18 Sep 2018 13:18

Tgt Ion:180 Resp: 155277

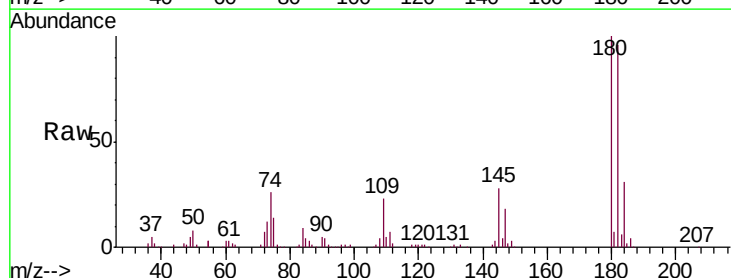
Ion Ratio Lower Upper

180 100

182 97.1 76.7 115.1

184 31.1 24.2 36.4

145 27.8 21.8 32.6

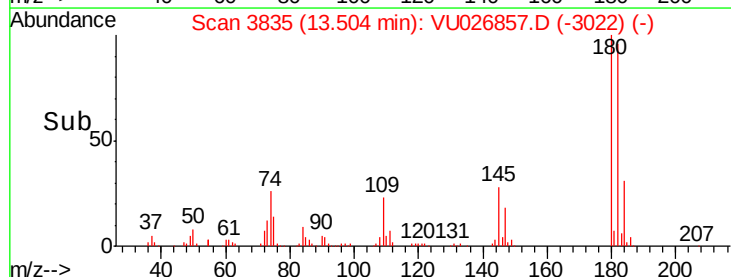
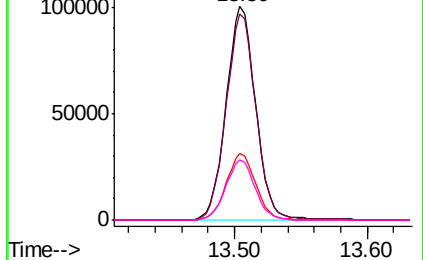


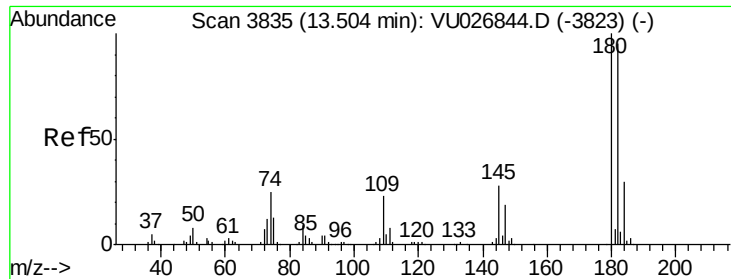
Abundance Ion 180.00 (179.70 to 180.70): V

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

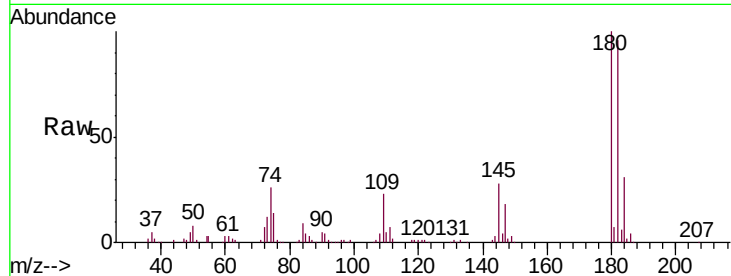




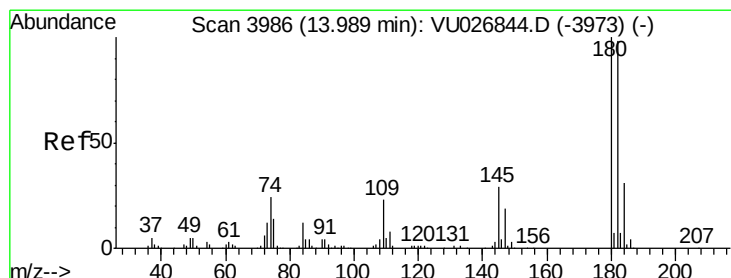
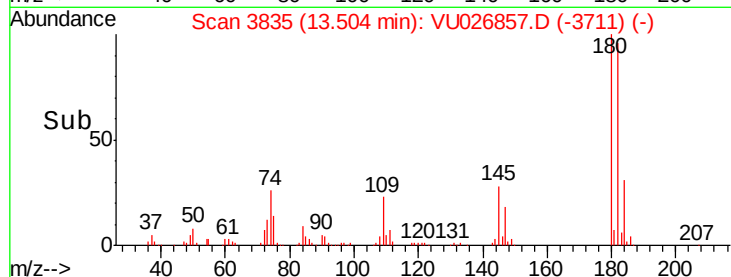
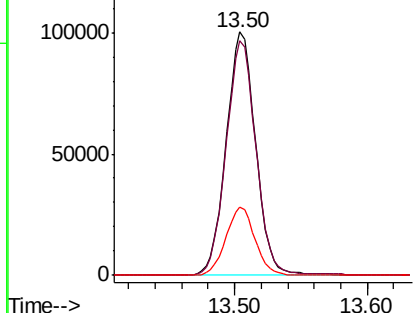
#68
 1,2,4-trichlorobenzene
 Concen: 65.192 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026857.D
 Acq: 18 Sep 2018 13:18

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L0

Tgt Ion:180 Resp: 155277
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.8 115.2
 145 27.8 22.2 33.2

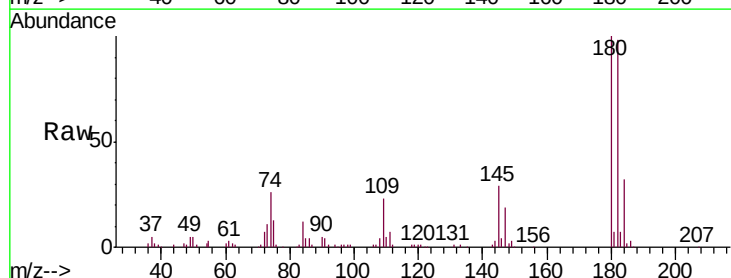


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 36.012 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026857.D
 Acq: 18 Sep 2018 13:18

Tgt Ion:180 Resp: 94456
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.6 113.4
 145 29.5 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

