

Data File : VU026858.D
Acq On : 18 Sep 2018 13:41
Operator : MD/SY
Sample : J4896-08 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08L2

Quant Time: Sep 19 05:07:58 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	242288	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	243513	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	117548	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78275	43.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.34%
7) Chloroethane-d5	1.68	69	71662	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.42%
11) 1,1-Dichloroethene-d2	2.27	63	118518	34.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.90%
21) 2-Butanone-d5	4.18	46	135618	114.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.02%
24) Chloroform-d	4.65	84	158474	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
26) 1,2-Dichloroethane-d4	5.31	65	106779	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.02%
32) Benzene-d6	5.34	84	324328	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
36) 1,2-Dichloropropane-d6	6.33	67	106531	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.90%
41) Toluene-d8	7.57	98	283369	45.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.92%
43) trans-1,3-Dichloropropene-	7.85	79	45446	46.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.58%
47) 2-Hexanone-d5	8.31	63	95719	110.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145535	47.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.94%
64) 1,2-Dichlorobenzene-d4	11.48	152	108720	44.46	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.92%

Target Compounds

						Qvalue
8) Chloroethane	1.40	64	1247	0.875	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1045	0.625	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1018	0.648	ug/L #	1
13) Acetone	2.32	43	1013	0.867	ug/L	80
25) Chloroform	4.67	83	2343	0.693	ug/L	78
33) Benzene	5.39	78	108859	14.419	ug/L	100
37) 1,2-Dichloropropane	6.33	63	11377	5.486	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2569	0.877	ug/L #	65
44) trans-1,3-Dichloropropene	7.85	75	1888	0.688	ug/L #	80
48) 2-Hexanone	8.31	43	11484	5.777	ug/L #	65
51) Chlorobenzene	9.13	112	11754512	2267.392	ug/L	94
59) 1,2,3-Trichloropropane	11.42	75	27735	11.164	ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	98057	27.364	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	534970	135.579	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	3335519	840.650	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	1562	2.595	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.50	180	330577	119.214	ug/L	99

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

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ALS Vial : 16 Sample Multiplier: 1

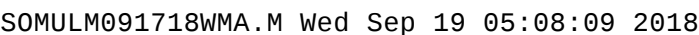
Instrument :
MSVOA_U
ClientSampleId :
C08L2

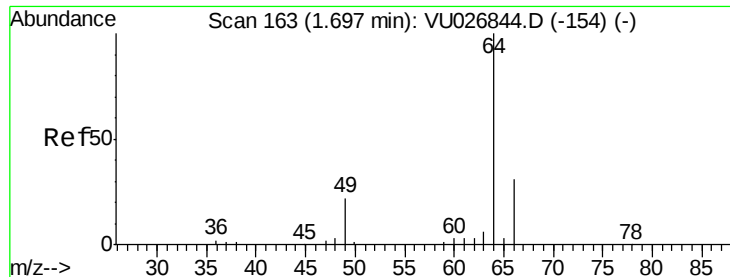
Quant Time: Sep 19 05:07:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.50	180	330577	138.342	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	53035	20.154	ug/L	97

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

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Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
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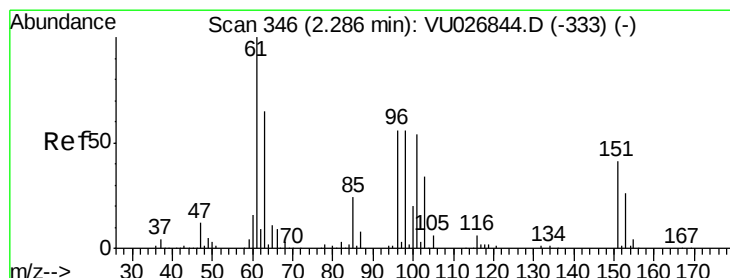
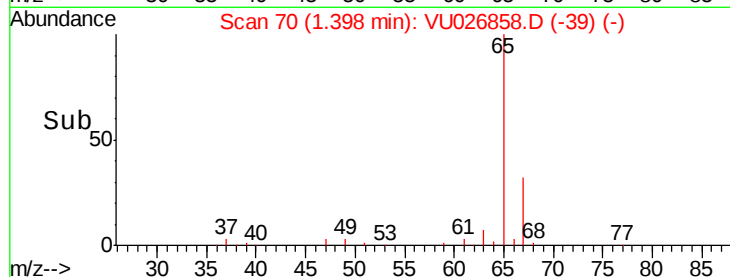
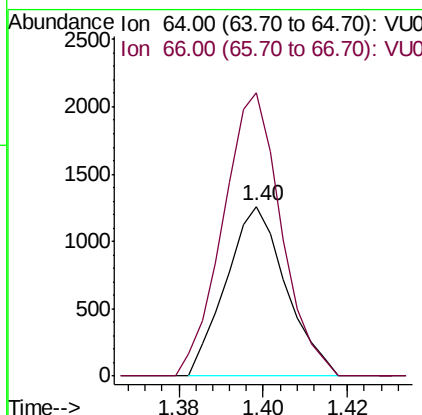
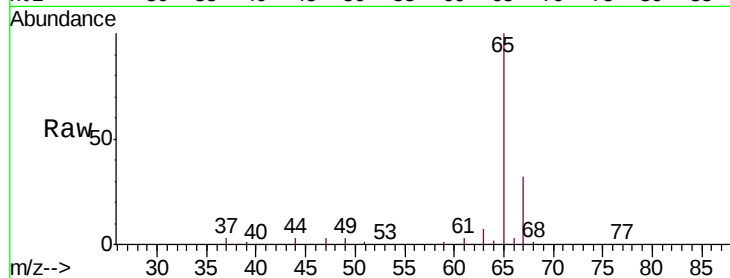




#8
 Chloroethane
 Concen: 0.875 ug/L
 RT: 1.40 min Scan# 70
 Delta R.T. -0.30 min
 Lab File: VU026858.D
 Acq: 18 Sep 2018 13:41

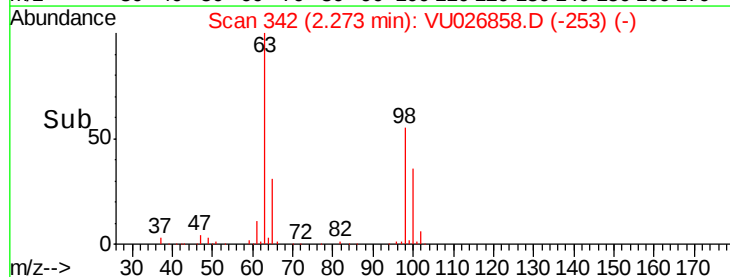
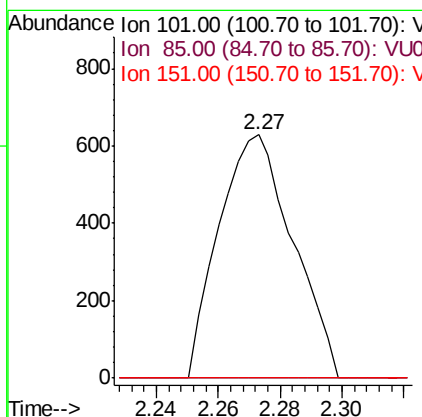
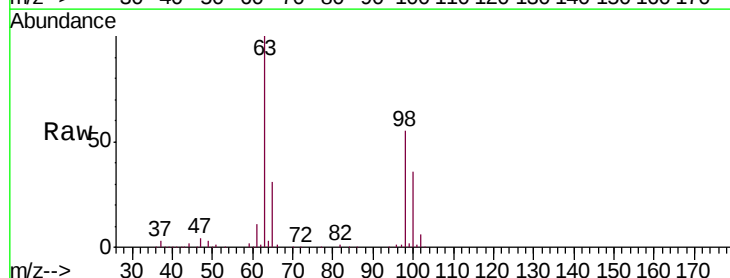
Instrument :
 MSVOA_U
 ClientSampleId :
 C08L2

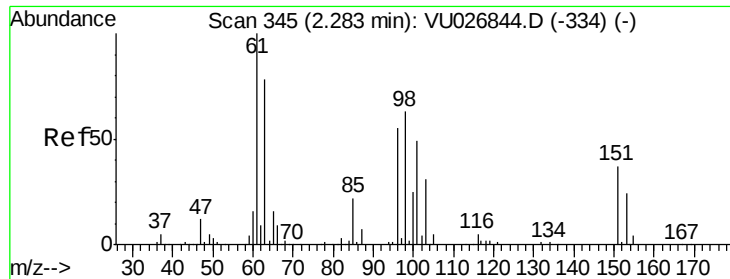
Tgt Ion: 64 Resp: 1247
 Ion Ratio Lower Upper
 64 100
 66 167.0 23.0 42.8#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.625 ug/L
 RT: 2.27 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VU026858.D
 Acq: 18 Sep 2018 13:41

Tgt Ion: 101 Resp: 1045
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 52.0#
 151 0.0 63.0 94.4#





#12

1,1-Dichloroethene

Concen: 0.648 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU026858.D

Acq: 18 Sep 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

C08L2

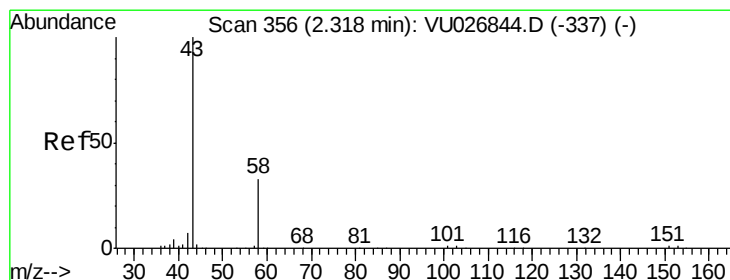
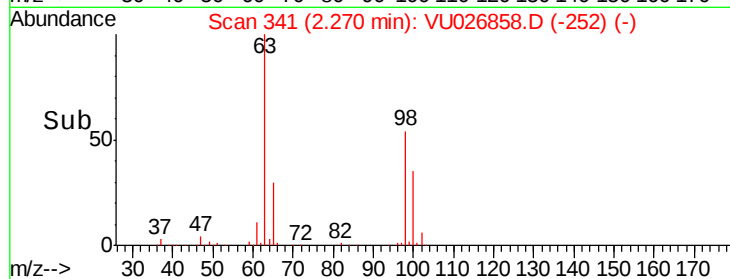
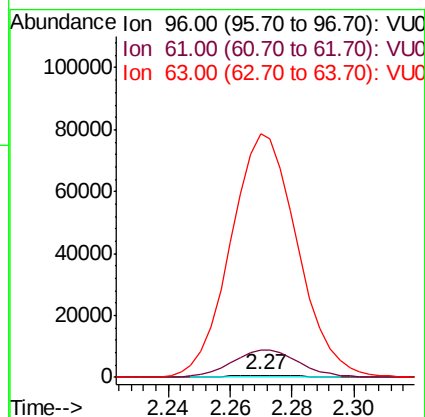
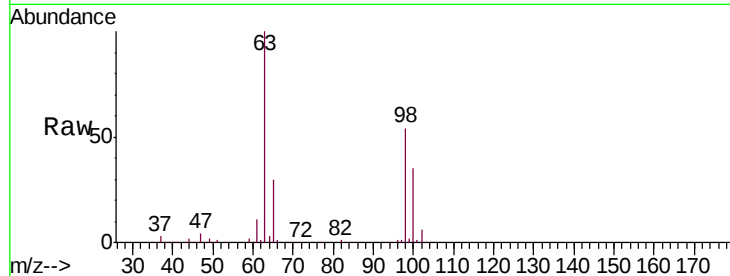
Tgt Ion: 96 Resp: 1018

Ion Ratio Lower Upper

96 100

61 1336.0 124.0 230.4#

63 12045.3 97.7 181.5#



#13

Acetone

Concen: 0.867 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.01 min

Lab File: VU026858.D

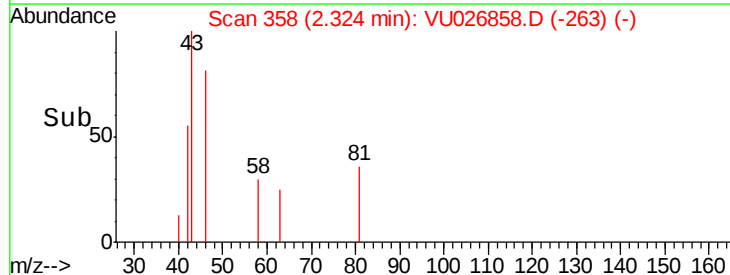
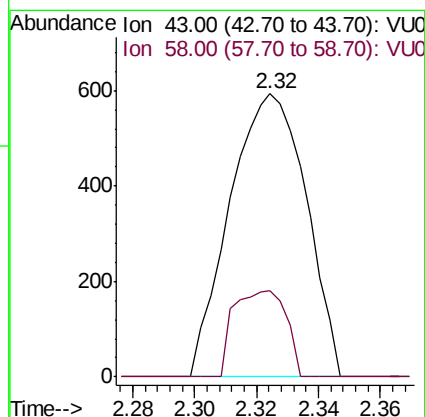
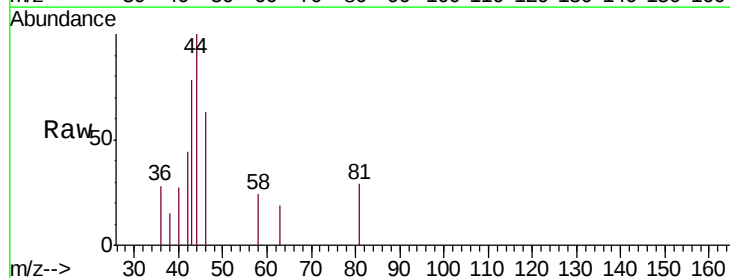
Acq: 18 Sep 2018 13:41

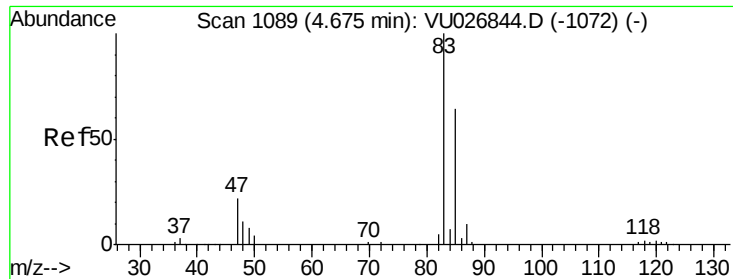
Tgt Ion: 43 Resp: 1013

Ion Ratio Lower Upper

43 100

58 20.9 0.0 64.6

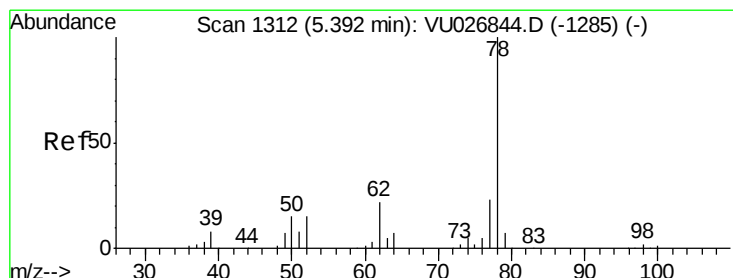
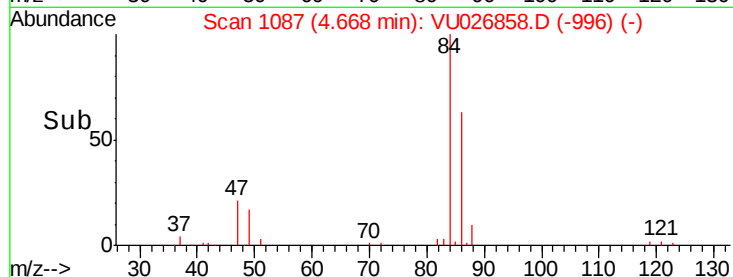
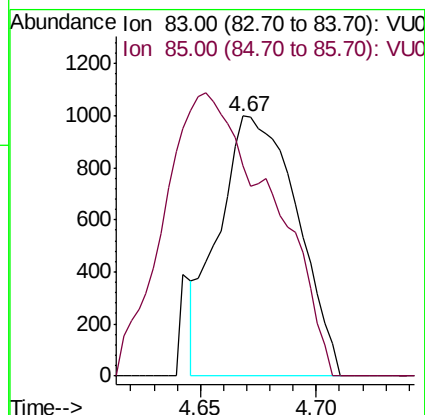
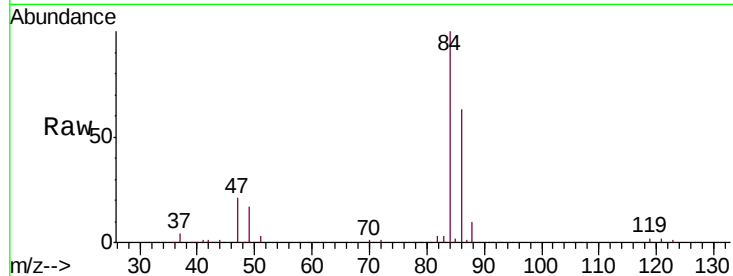




#25
Chloroform
Concen: 0.693 ug/L
RT: 4.67 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VU026858.D
Acq: 18 Sep 2018 13:41

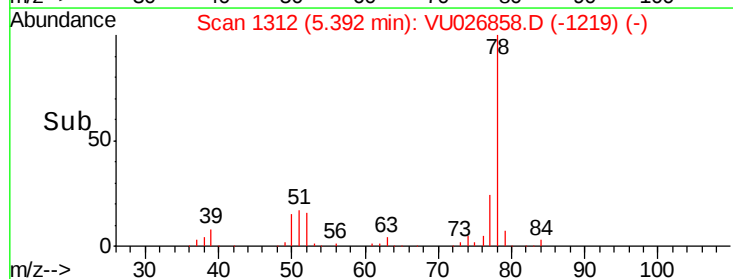
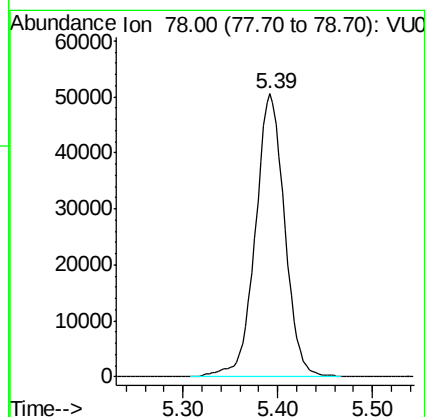
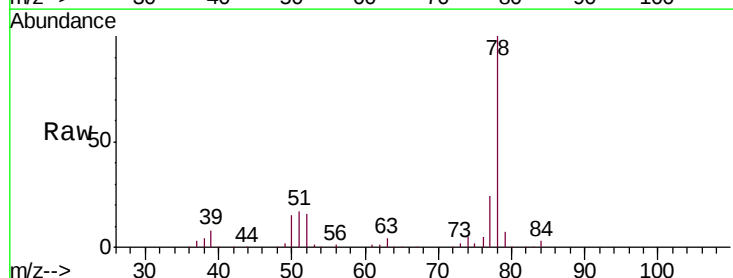
Instrument :
MSVOA_U
ClientSampled :
C08L2

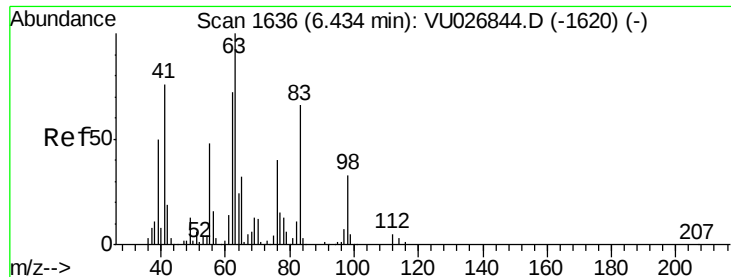
Tgt Ion: 83 Resp: 2343
Ion Ratio Lower Upper
83 100
85 80.8 44.4 82.5



#33
Benzene
Concen: 14.419 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026858.D
Acq: 18 Sep 2018 13:41

Tgt Ion: 78 Resp: 108859

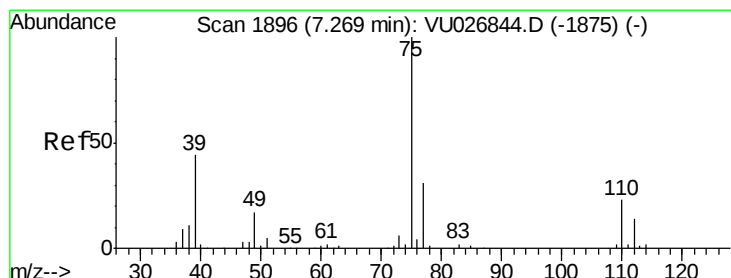
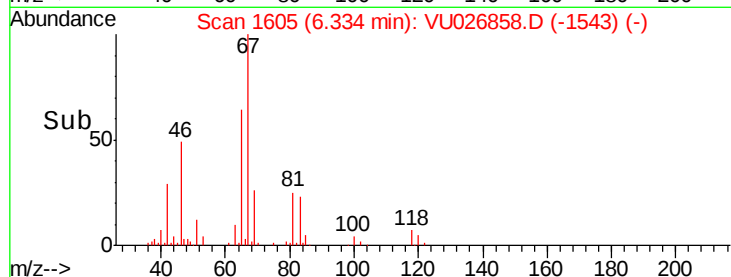
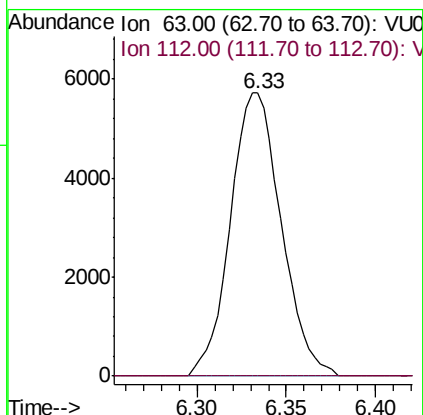
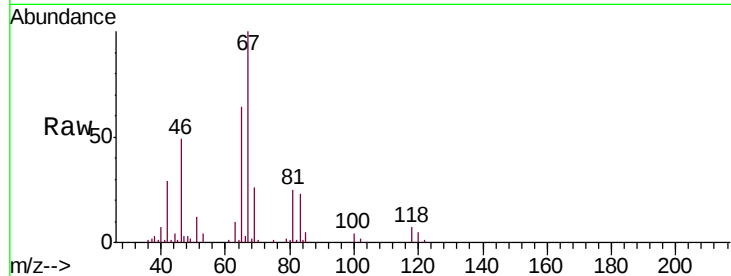




#37
 1,2-Dichloropropane
 Concen: 5.486 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU026858.D
 Acq: 18 Sep 2018 13:41

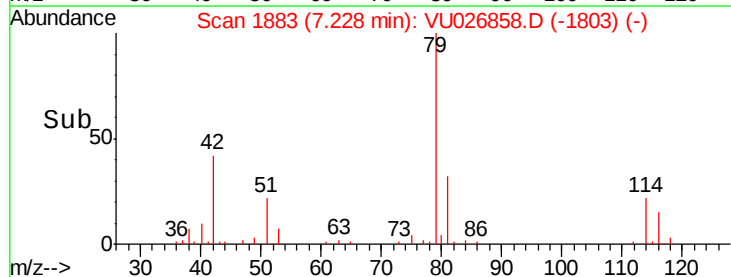
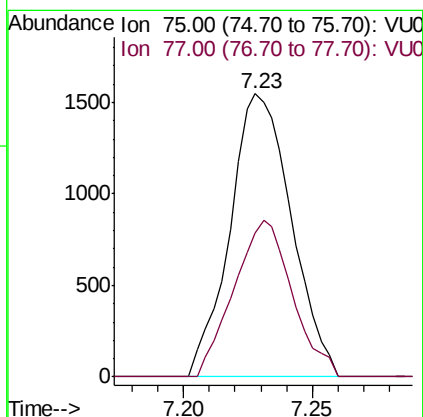
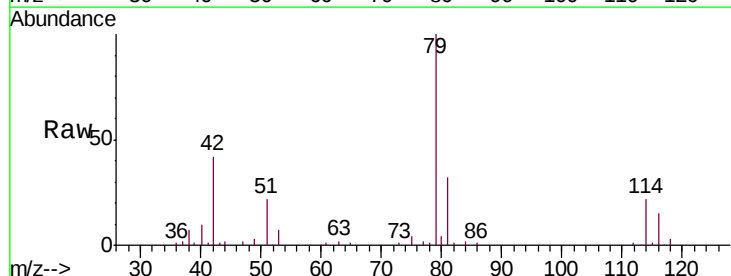
Instrument :
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 ClientSampleId :
 C08L2

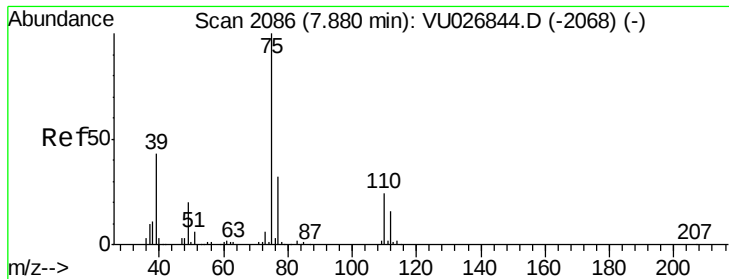
Tgt Ion: 63 Resp: 11377
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.877 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026858.D
 Acq: 18 Sep 2018 13:41

Tgt Ion: 75 Resp: 2569
 Ion Ratio Lower Upper
 75 100
 77 50.9 22.1 41.1#





#44

trans-1,3-Dichloropropene

Concen: 0.688 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026858.D

Acq: 18 Sep 2018 13:41

Instrument :

MSVOA_U

ClientSampled :

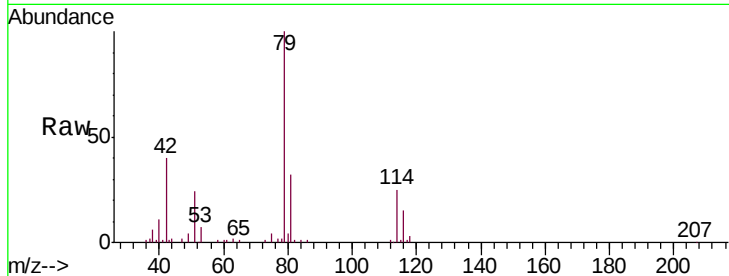
C08L2

Tgt Ion: 75 Resp: 1888

Ion Ratio Lower Upper

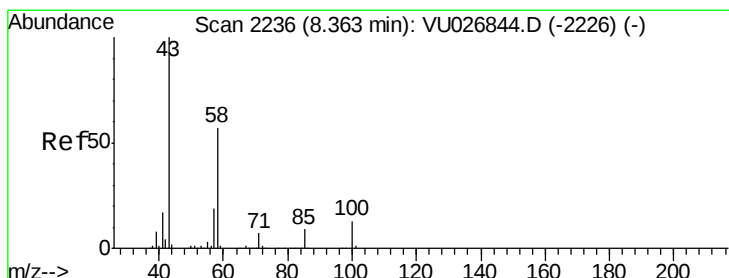
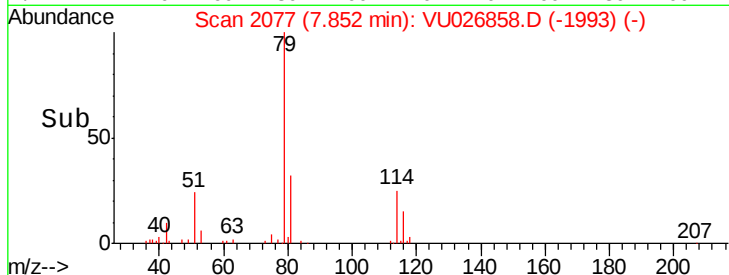
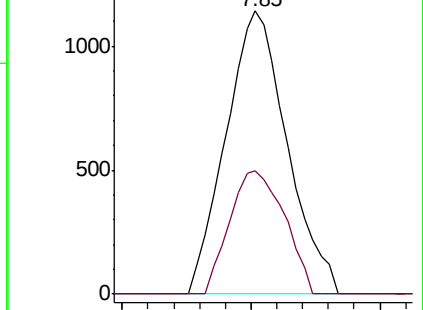
75 100

77 43.6 22.8 42.4#



Abundance Ion 75.00 (74.70 to 75.70): VU026844.D (-2068) (-)

Ion 77.00 (76.70 to 77.70): VU026844.D (-2068) (-)



#48

2-Hexanone

Concen: 5.777 ug/L

RT: 8.31 min Scan# 2221

Delta R.T. -0.05 min

Lab File: VU026858.D

Acq: 18 Sep 2018 13:41

Tgt Ion: 43 Resp: 11484

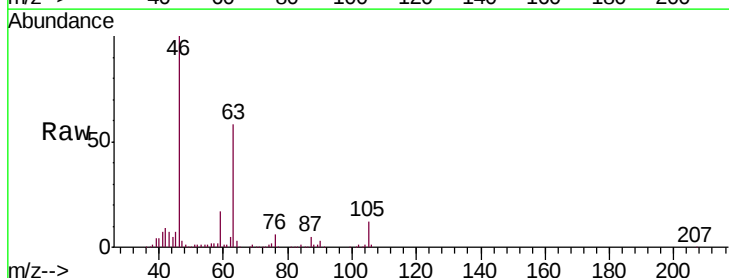
Ion Ratio Lower Upper

43 100

58 28.0 44.9 67.3#

57 32.1 15.4 23.2#

100 0.6 10.2 15.4#

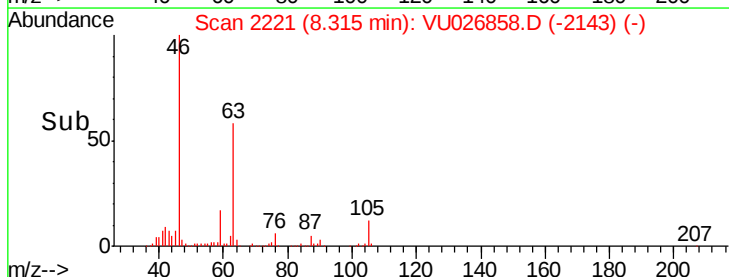
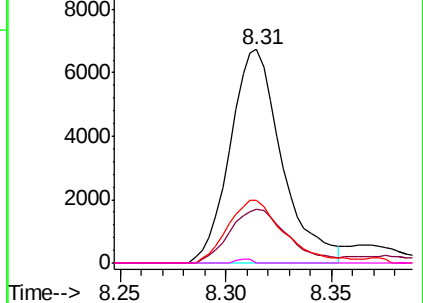


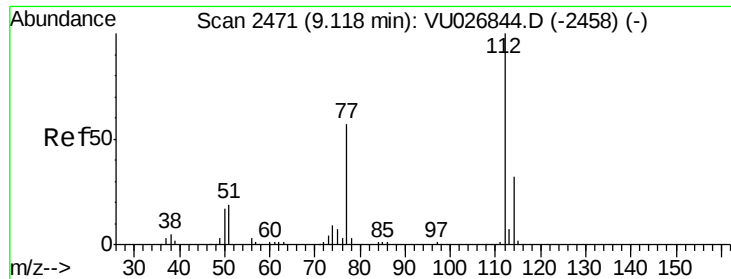
Abundance Ion 43.00 (42.70 to 43.70): VU026844.D (-2226) (-)

Ion 58.00 (57.70 to 58.70): VU026844.D (-2226) (-)

Ion 57.00 (56.70 to 57.70): VU026844.D (-2226) (-)

Ion 100.00 (99.70 to 100.70): VU026844.D (-2226) (-)





#51

Chlorobenzene

Concen: 2267.392 ug/L

RT: 9.13 min Scan# 2474

Delta R.T. 0.01 min

Lab File: VU026858.D

Acq: 18 Sep 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

C08L2

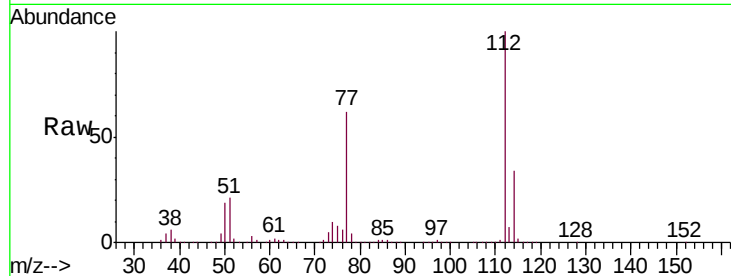
Tgt Ion: 112 Resp: 11754512

Ion Ratio Lower Upper

112 100

114 34.3 22.3 41.5

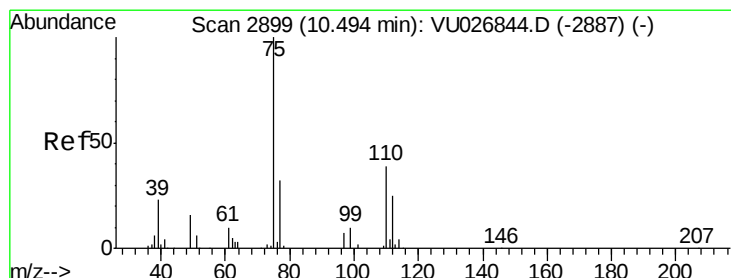
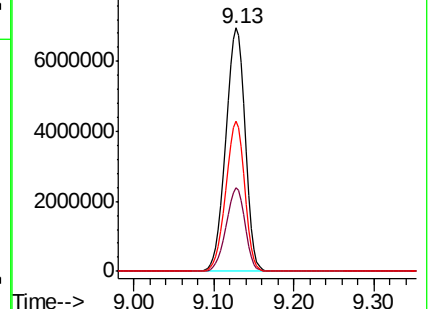
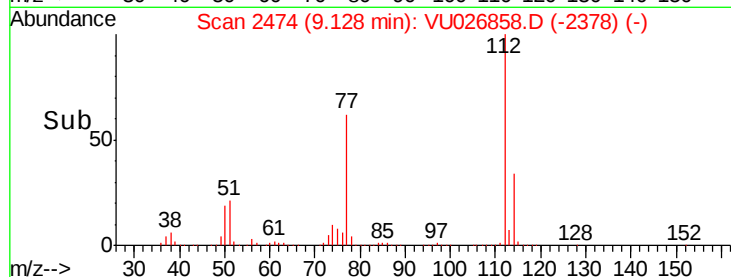
77 61.7 45.1 67.7



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: 11.164 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026858.D

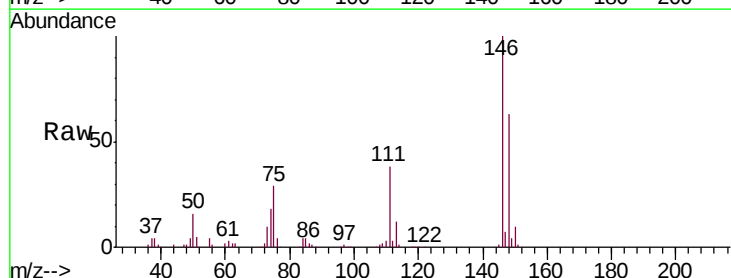
Acq: 18 Sep 2018 13:41

Tgt Ion: 75 Resp: 27735

Ion Ratio Lower Upper

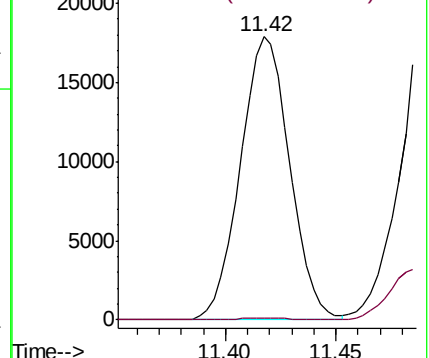
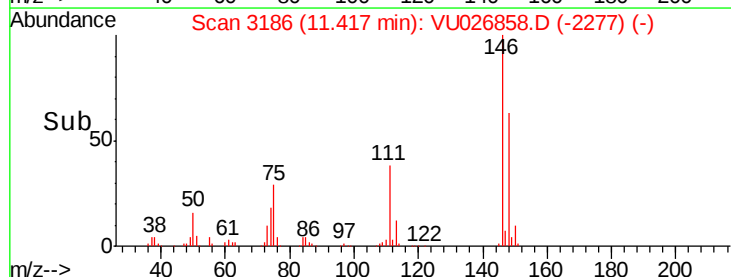
75 100

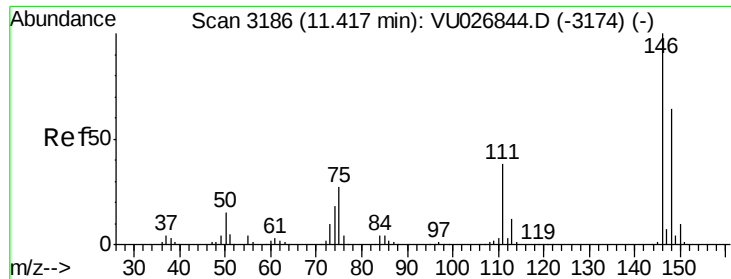
77 0.7 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V





#62

1,3-Dichlorobenzene

Concen: 27.364 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026858.D

Acq: 18 Sep 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

C08L2

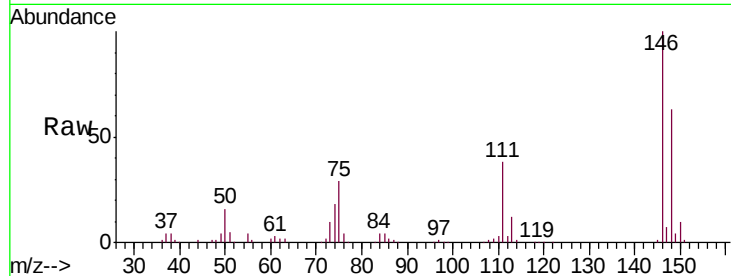
Tgt Ion:146 Resp: 98057

Ion Ratio Lower Upper

146 100

111 37.9 26.7 49.7

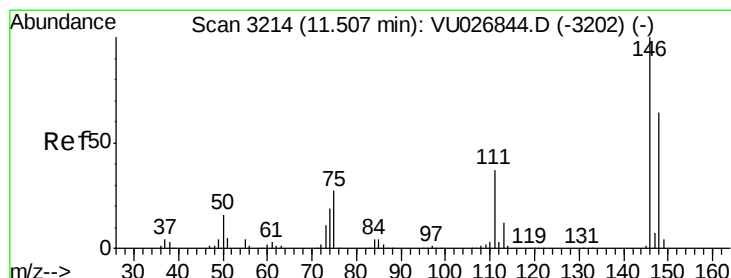
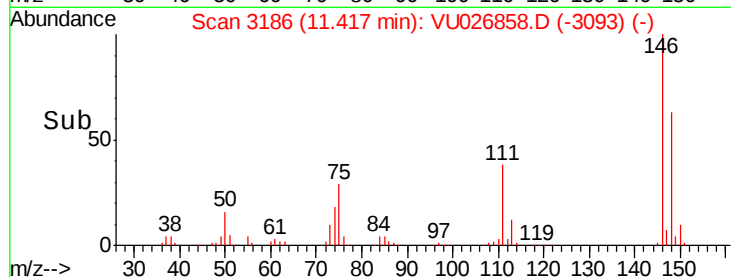
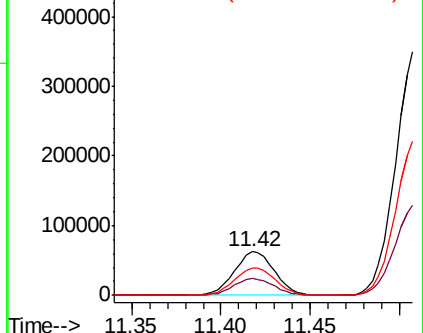
148 63.0 44.9 83.5



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: 135.579 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026858.D

Acq: 18 Sep 2018 13:41

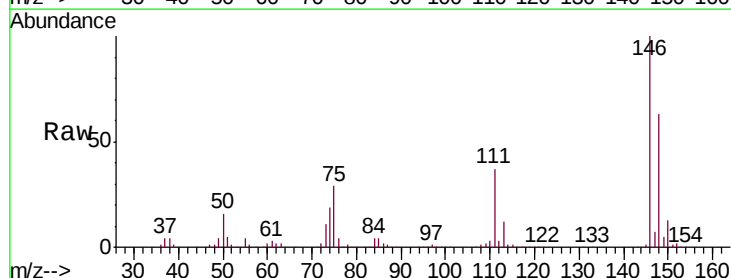
Tgt Ion:146 Resp: 534970

Ion Ratio Lower Upper

146 100

111 36.8 26.0 48.2

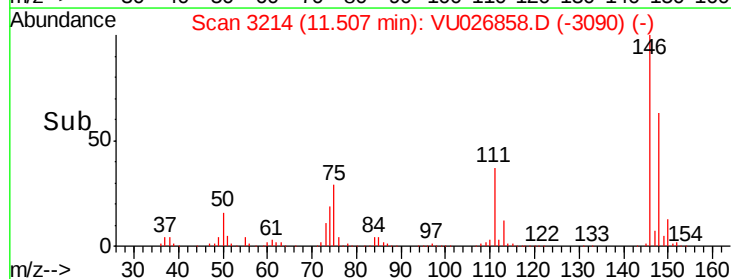
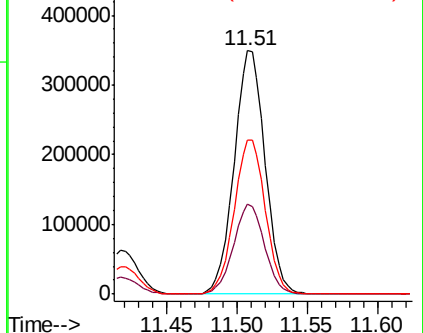
148 63.3 45.8 85.2

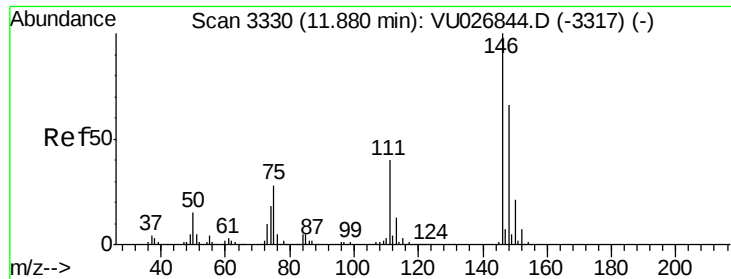


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

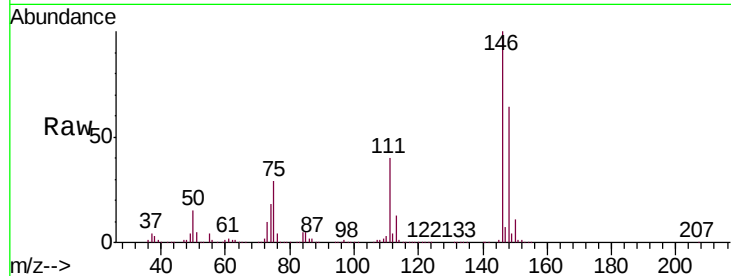




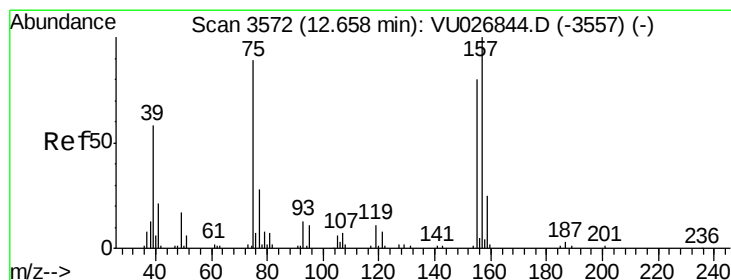
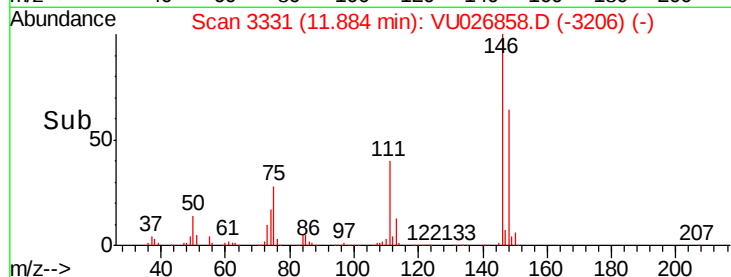
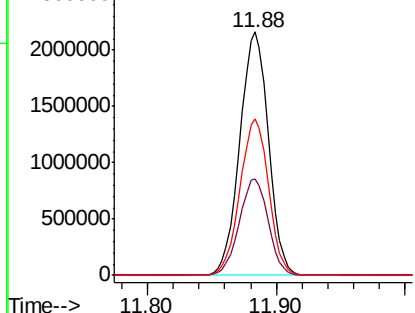
#65
 1,2-Dichlorobenzene
 Concen: 840.650 ug/L
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU026858.D
 Acq: 18 Sep 2018 13:41

Instrument :
 MSVOA_U
 ClientSampled :
 C08L2

Tgt Ion:146 Resp: 3335519
 Ion Ratio Lower Upper
 146 100
 111 39.9 31.4 47.0
 148 64.4 51.4 77.2

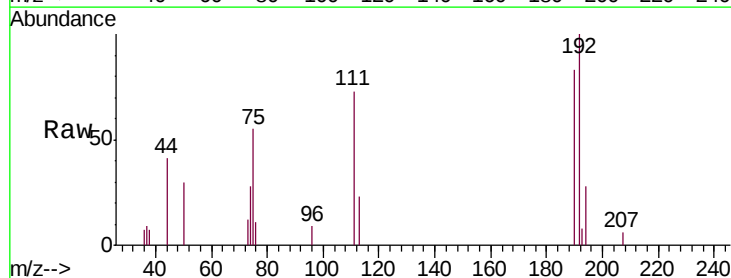


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

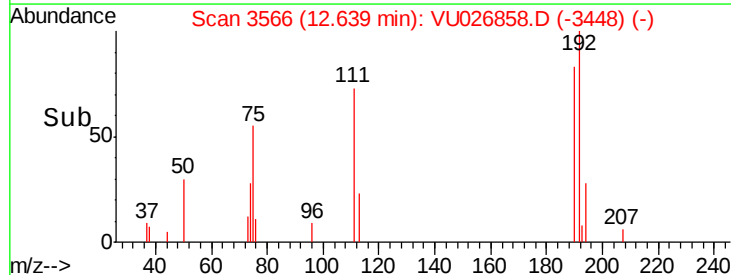
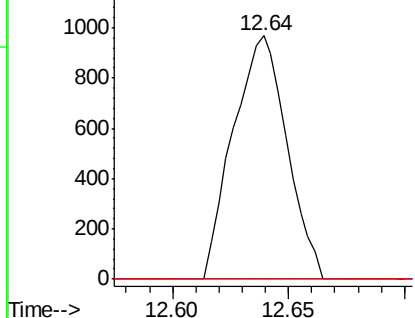


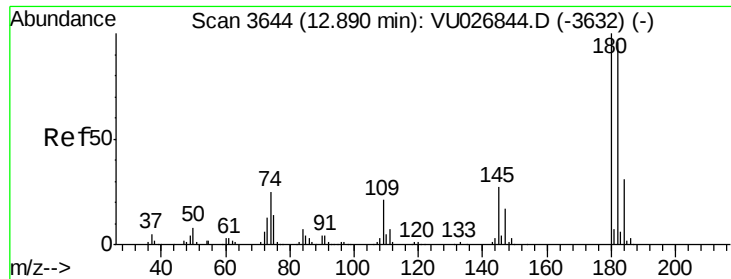
#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.595 ug/L
 RT: 12.64 min Scan# 3566
 Delta R.T. -0.02 min
 Lab File: VU026858.D
 Acq: 18 Sep 2018 13:41

Tgt Ion: 75 Resp: 1562
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.5 104.3#
 157 0.0 90.5 135.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

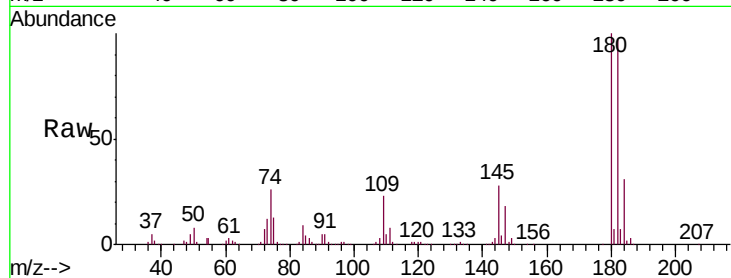




#67
 1,3,5-Trichlorobenzene
 Concen: 119.214 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.61 min
 Lab File: VU026858.D
 Acq: 18 Sep 2018 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L2

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.7	115.1
184	30.7	24.2	36.4
145	28.1	21.8	32.6



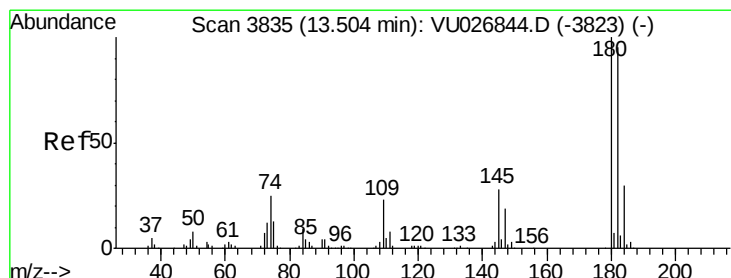
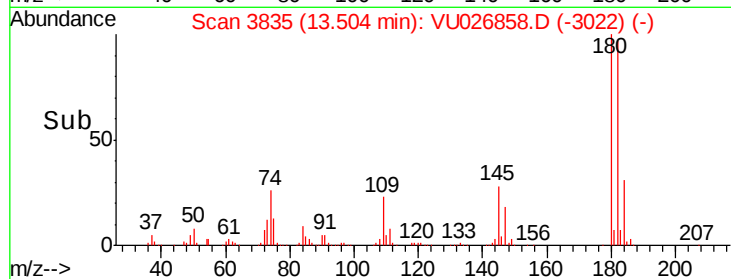
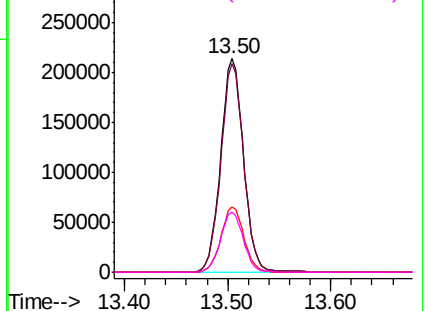
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

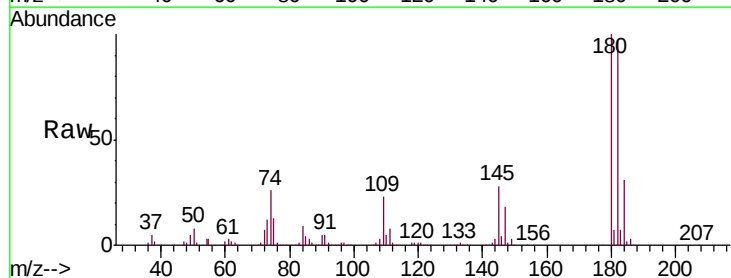
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 138.342 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026858.D
 Acq: 18 Sep 2018 13:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.8	115.2
145	28.1	22.2	33.2

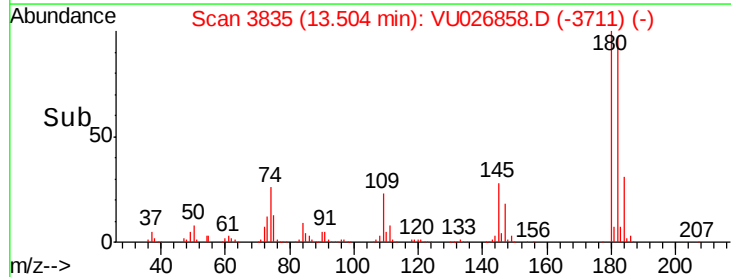
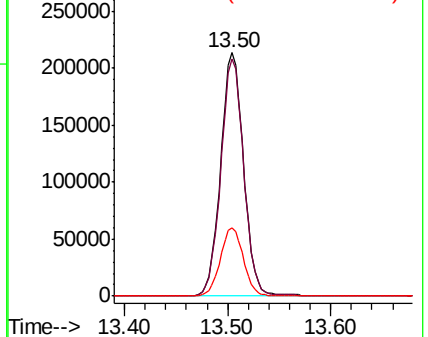


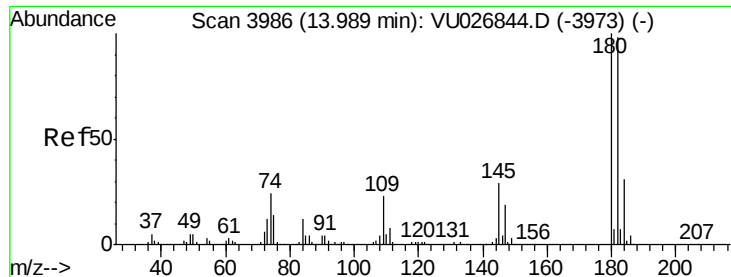
Abundance

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: 20.154 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026858.D
 Acq: 18 Sep 2018 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L2

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.6	113.4
145	30.3	23.8	35.6

