

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
 Data File : VU026738.D
 Acq On : 13 Sep 2018 20:13
 Operator : MD/SY
 Sample : J4893-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L7

Quant Time: Sep 14 01:23:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 01:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	189659	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	171838	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	79075	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63389	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.70%
7) Chloroethane-d5	1.68	69	51705	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.27	63	86675	34.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.54%
21) 2-Butanone-d5	4.18	46	85918	97.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.69%
24) Chloroform-d	4.65	84	98637	41.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.94%
26) 1,2-Dichloroethane-d4	5.31	65	68023	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
32) Benzene-d6	5.34	84	208592	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.33	67	70299	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.57	98	187708	44.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.96%
43) trans-1,3-Dichloropropene-	7.85	79	30557	44.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.08%
47) 2-Hexanone-d5	8.31	63	60843	99.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	90066	44.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	70127	44.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.98%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	746	0.641	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	640	0.572	ug/L #	1
13) Acetone	2.32	43	14518	14.493	ug/L	98
25) Chloroform	4.68	83	3639	1.575	ug/L	91
33) Benzene	5.39	78	36235	7.530	ug/L	100
35) Methylcyclohexane	6.33	83	15644	8.171	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7137	5.309	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1678	0.844	ug/L #	65
40) 4-Methyl-2-pentanone	7.39	43	853	0.497	ug/L #	44
51) Chlorobenzene	9.12	112	134083	40.943	ug/L	98
59) 1,2,3-Trichloropropane	11.42	75	3370	2.119	ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	11767	5.183	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	142221	59.129	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	96534	40.229	ug/L	99
67) 1,3,5-Trichlorobenzene	13.51	180	46549	25.846	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	46549	29.737	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	6810	4.016	ug/L	97

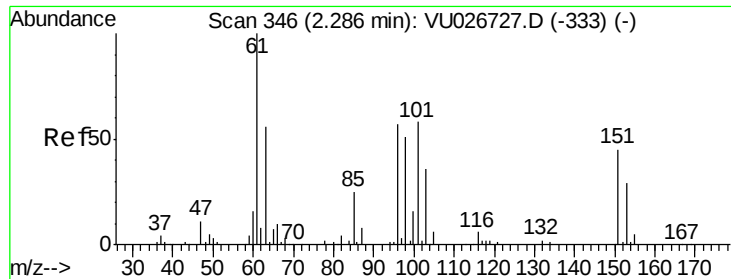
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Data File : VU026738.D
Acq On : 13 Sep 2018 20:13
Operator : MD/SY
Sample : J4893-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08L7

Quant Time: Sep 14 01:23:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration

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

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



#10

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

Concen: 0.641 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026738.D

Acq: 13 Sep 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

C08L7

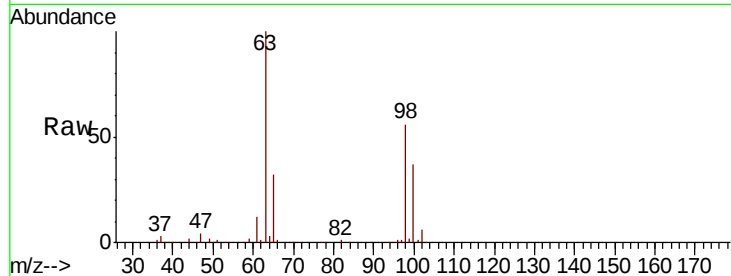
Tgt Ion:101 Resp: 746

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

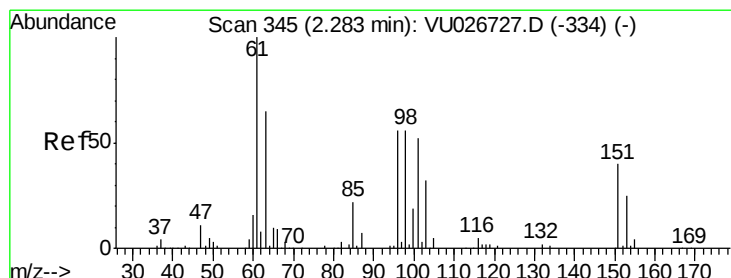
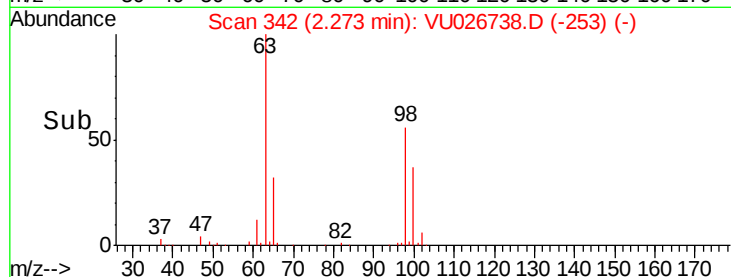
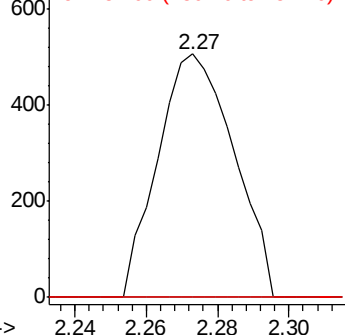
151 0.0 62.6 94.0#



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: 0.572 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026738.D

Acq: 13 Sep 2018 20:13

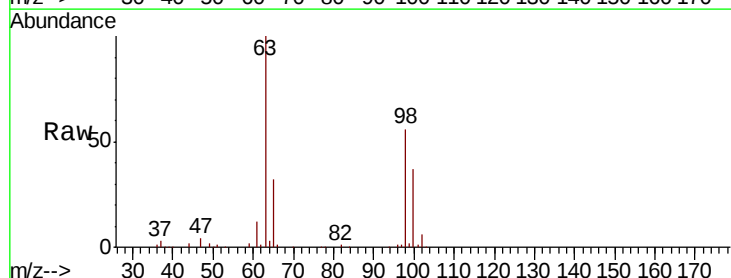
Tgt Ion: 96 Resp: 640

Ion Ratio Lower Upper

96 100

61 1726.3 121.0 224.8#

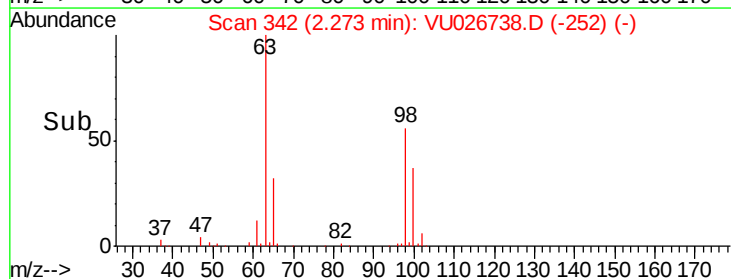
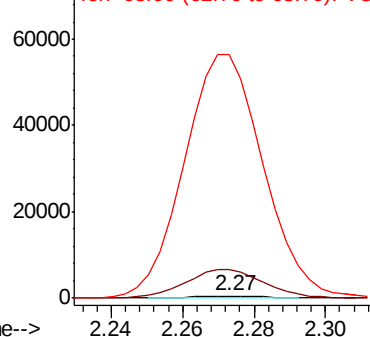
63 14511.3 89.9 166.9#

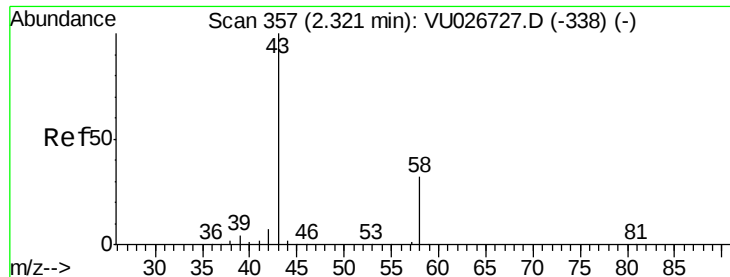


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 14.493 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026738.D

Acq: 13 Sep 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

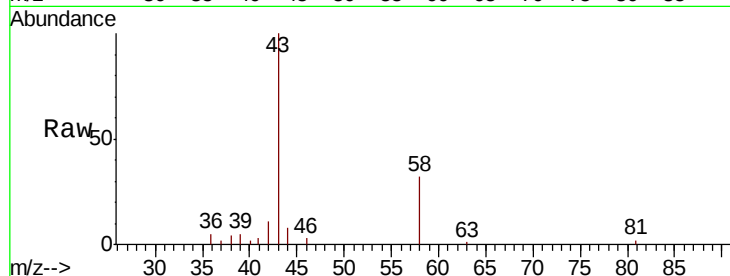
C08L7

Tgt Ion: 43 Resp: 14518

Ion Ratio Lower Upper

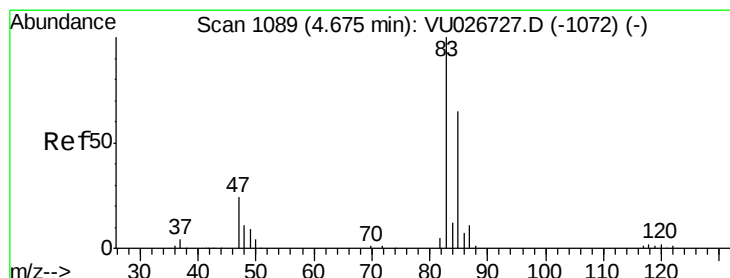
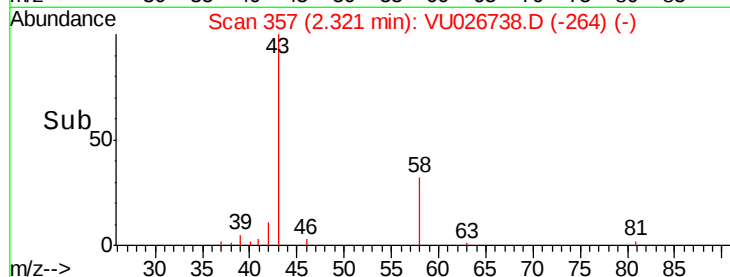
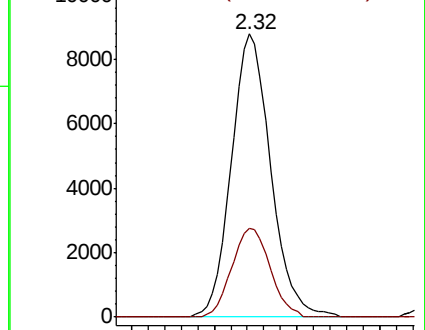
43 100

58 30.5 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

Chloroform

Concen: 1.575 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU026738.D

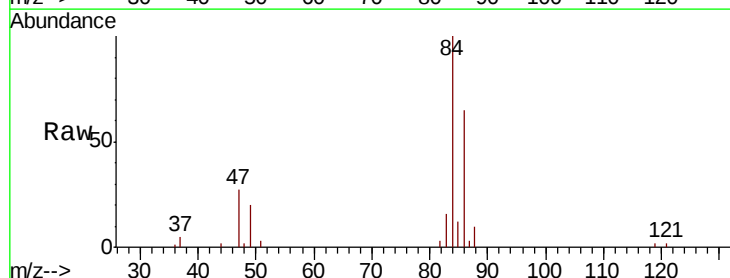
Acq: 13 Sep 2018 20:13

Tgt Ion: 83 Resp: 3639

Ion Ratio Lower Upper

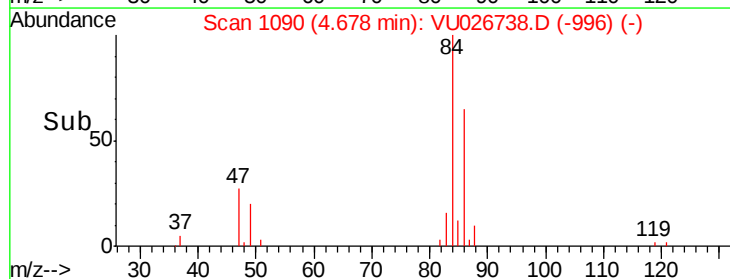
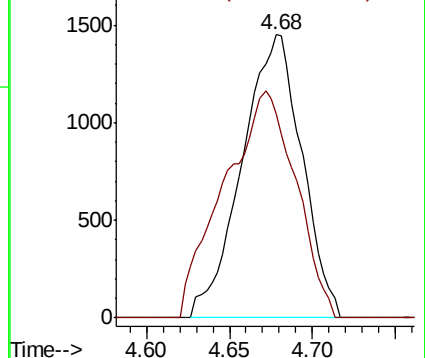
83 100

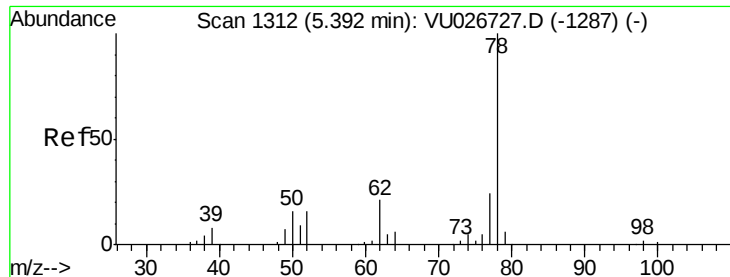
85 71.9 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

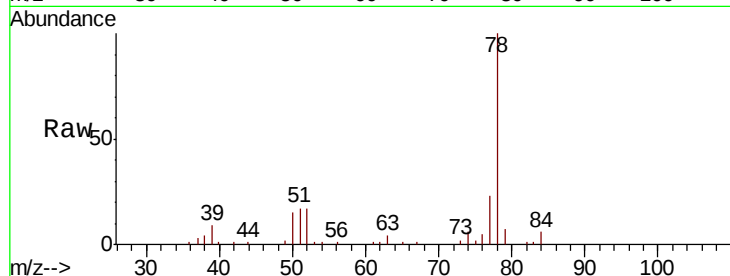




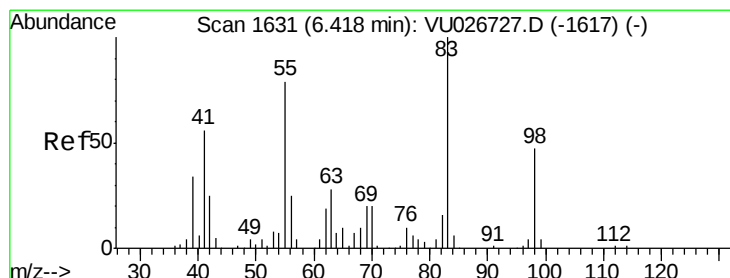
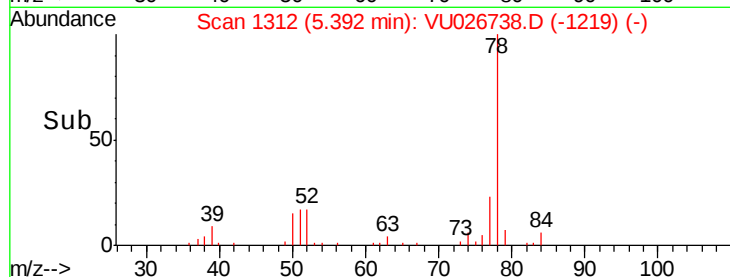
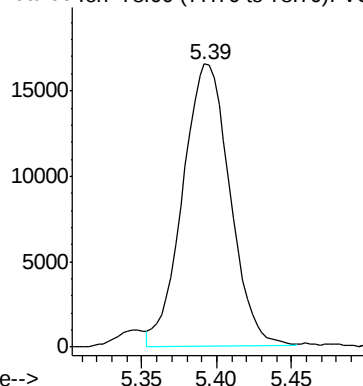
#33
Benzene
Concen: 7.530 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026738.D
Acq: 13 Sep 2018 20:13

Tgt Ion: 78 Resp: 36235

Instrument :
MSVOA_U
ClientSampleId :
C08L7



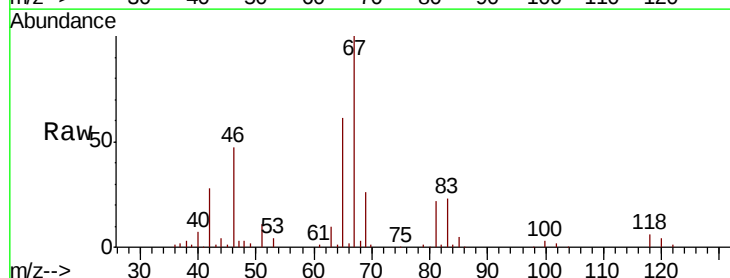
Abundance Ion 78.00 (77.70 to 78.70): VU0



#35
Methylcyclohexane
Concen: 8.171 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU026738.D
Acq: 13 Sep 2018 20:13

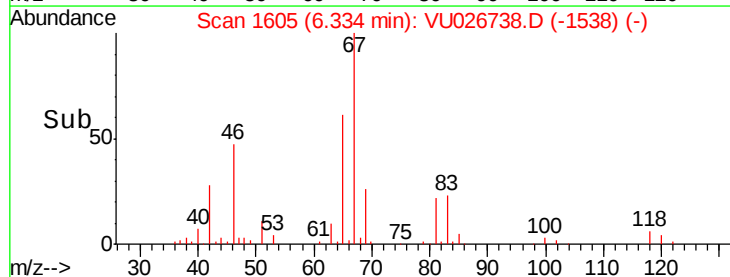
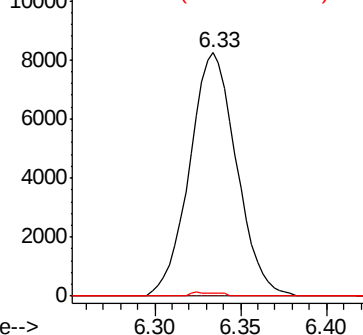
Tgt Ion: 83 Resp: 15644

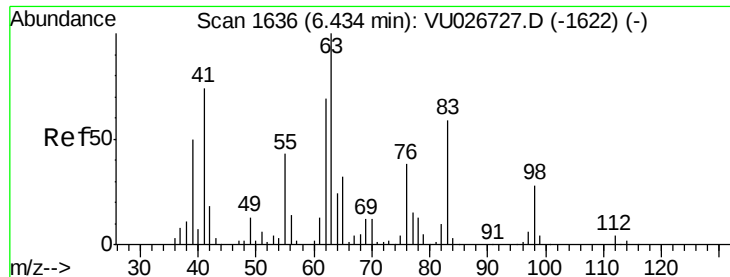
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.9	94.3#
98	0.7	37.0	55.4#



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

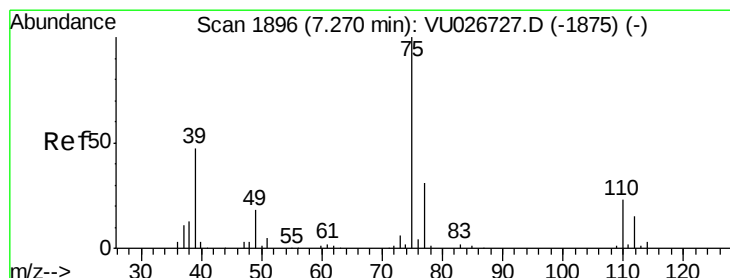
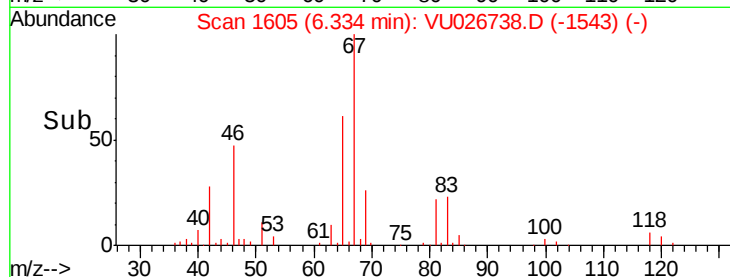
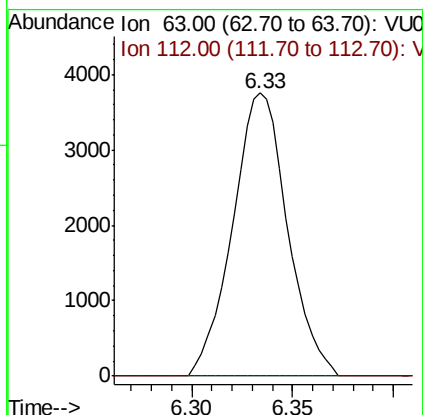
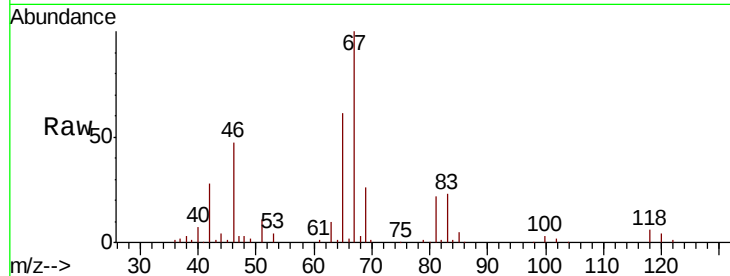




#37
 1,2-Dichloropropane
 Concen: 5.309 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU026738.D
 Acq: 13 Sep 2018 20:13

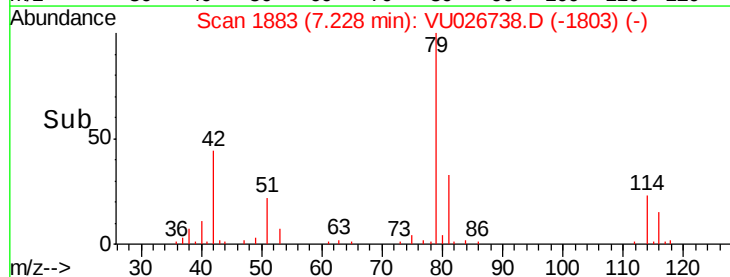
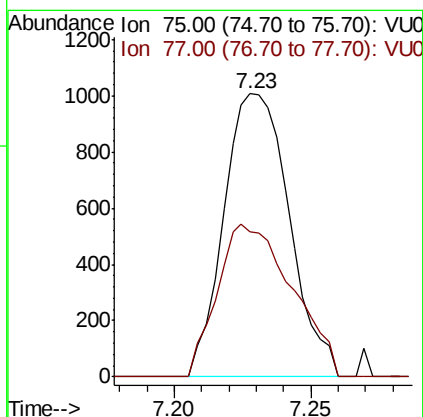
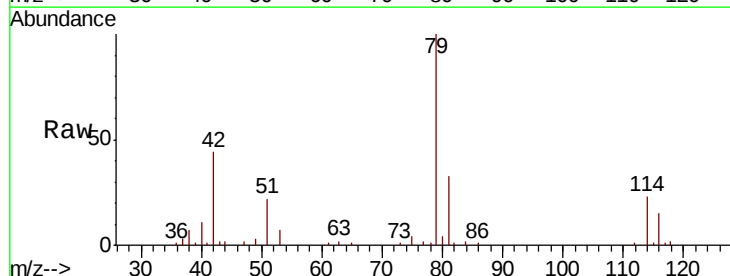
Instrument :
 MSVOA_U
 ClientSampleId :
 C08L7

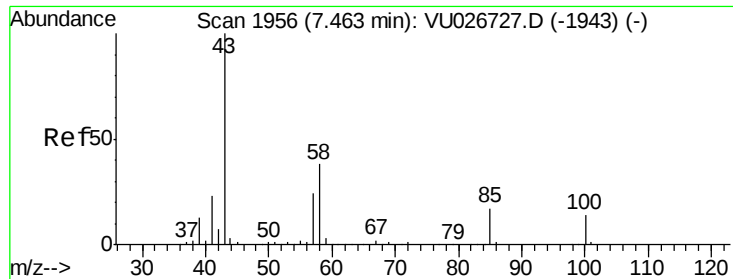
Tgt Ion: 63 Resp: 7137
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.844 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026738.D
 Acq: 13 Sep 2018 20:13

Tgt Ion: 75 Resp: 1678
 Ion Ratio Lower Upper
 75 100
 77 51.4 22.3 41.3#

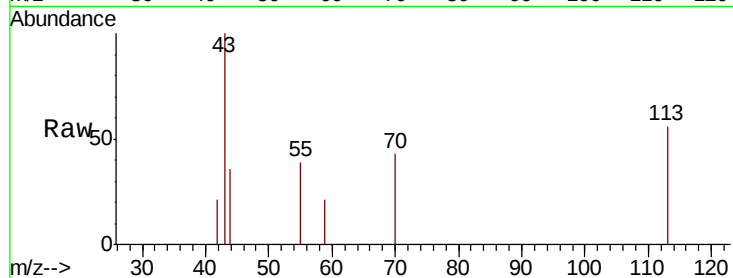




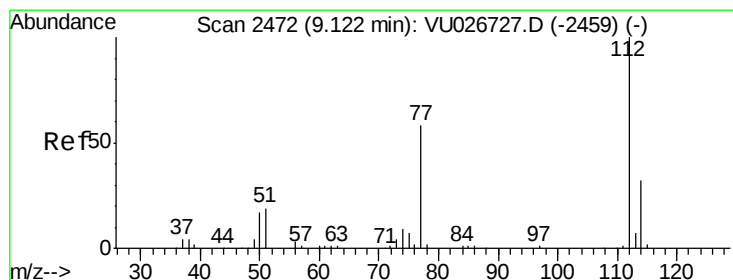
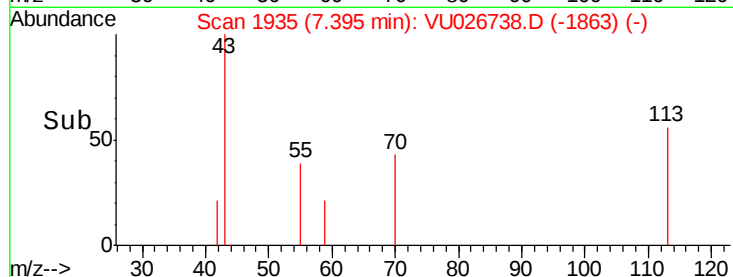
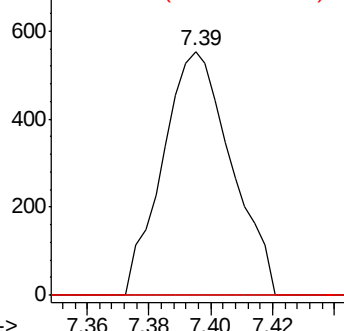
#40
4-Methyl-2-pentanone
Concen: 0.497 ug/L
RT: 7.39 min Scan# 1935
Delta R.T. -0.07 min
Lab File: VU026738.D
Acq: 13 Sep 2018 20:13

Instrument :
MSVOA_U
ClientSampleId :
C08L7

Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
58 0.0 31.1 46.7#
100 0.0 11.3 16.9#

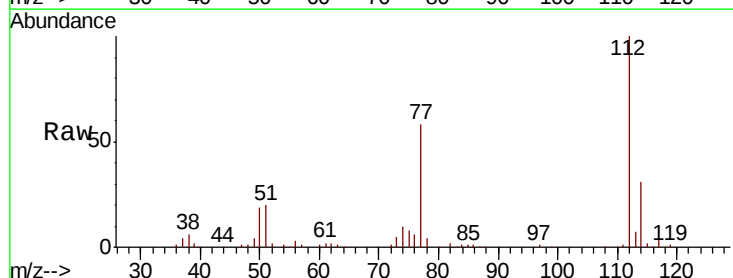


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

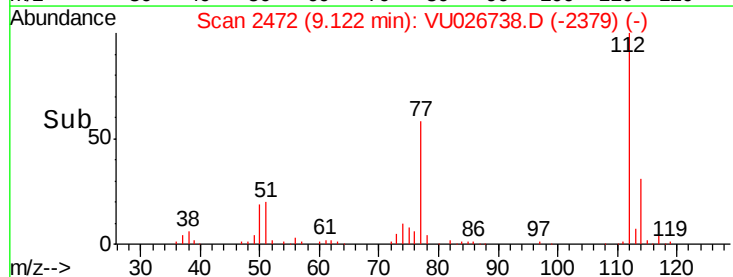
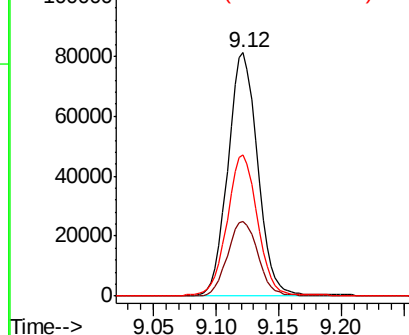


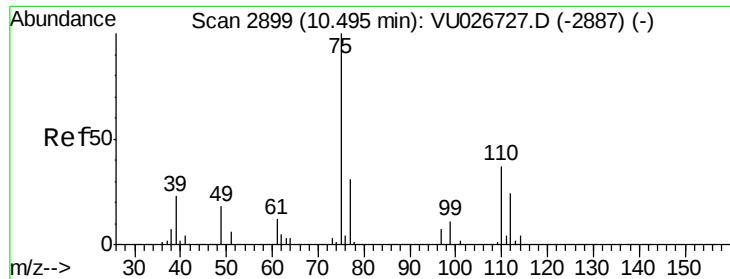
#51
Chlorobenzene
Concen: 40.943 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026738.D
Acq: 13 Sep 2018 20:13

Tgt Ion: 112 Resp: 134083
Ion Ratio Lower Upper
112 100
114 30.9 22.9 42.5
77 57.9 47.2 70.8



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): VU0





#59

1,2,3-Trichloropropane

Concen: 2.119 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.93 min

Lab File: VU026738.D

Acq: 13 Sep 2018 20:13

Instrument :

MSVOA_U

ClientSampled :

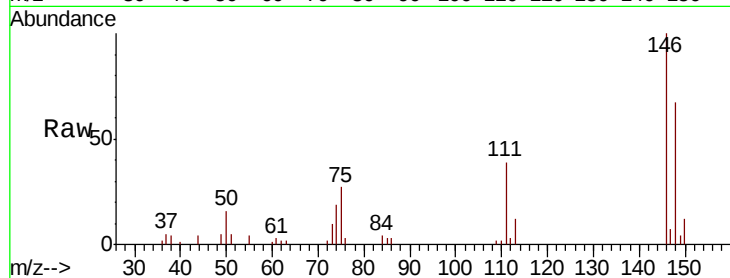
C08L7

Tgt Ion: 75 Resp: 3370

Ion Ratio Lower Upper

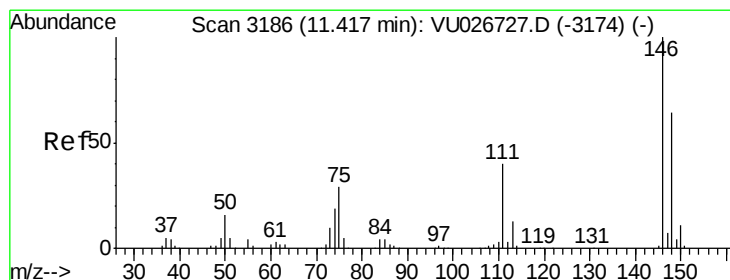
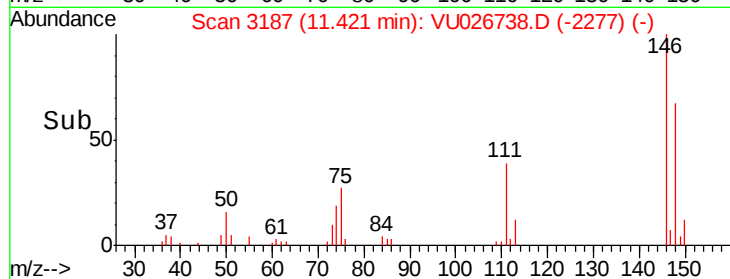
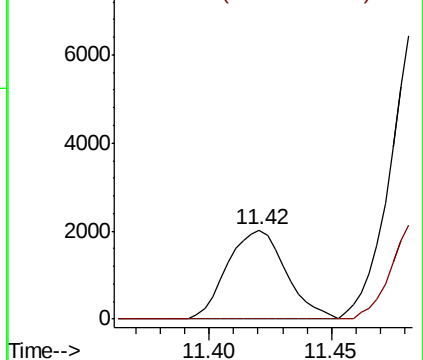
75 100

77 0.0 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#62

1,3-Dichlorobenzene

Concen: 5.183 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026738.D

Acq: 13 Sep 2018 20:13

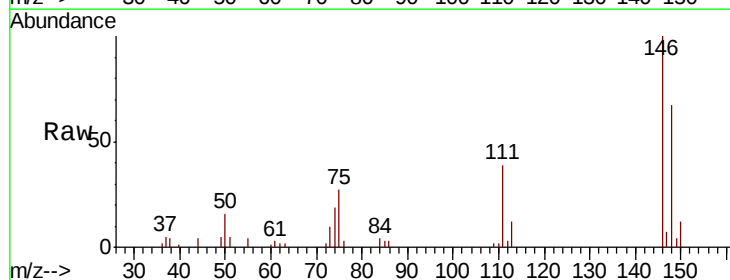
Tgt Ion: 146 Resp: 11767

Ion Ratio Lower Upper

146 100

111 38.7 26.7 49.5

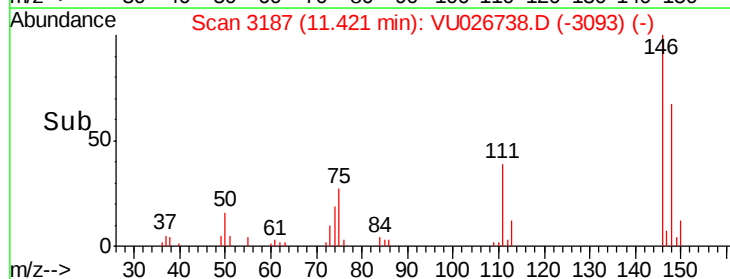
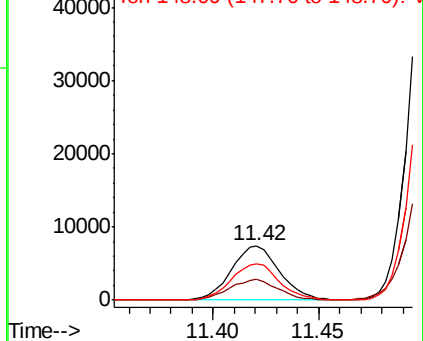
148 67.5 44.2 82.2

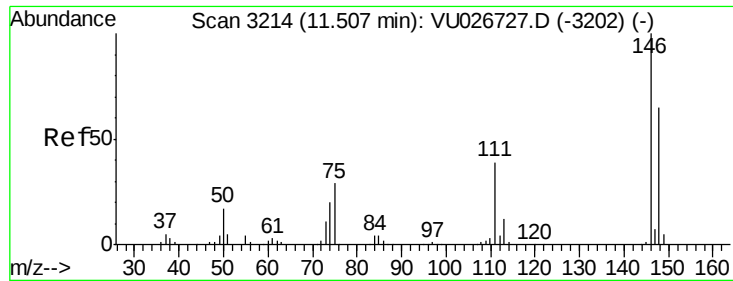


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

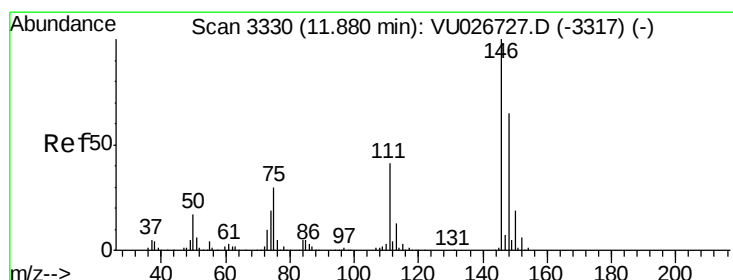
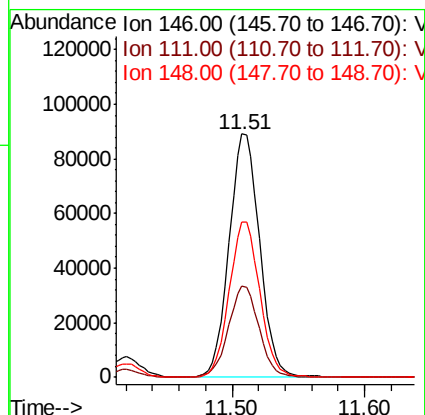
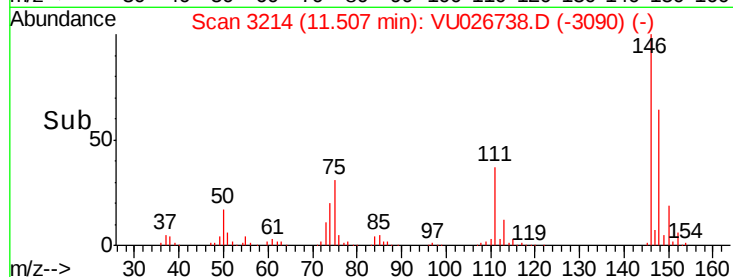
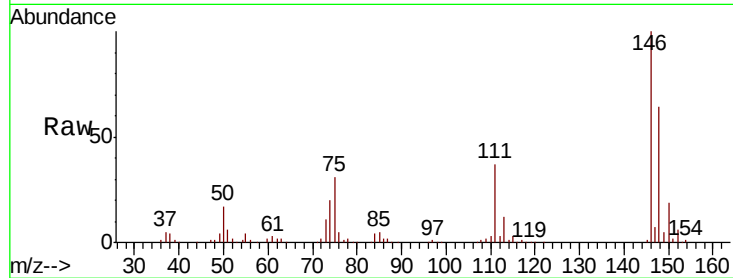




#63
 1,4-Dichlorobenzene
 Concen: 59.129 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026738.D
 Acq: 13 Sep 2018 20:13

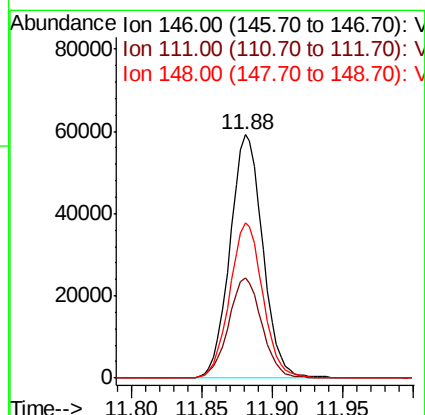
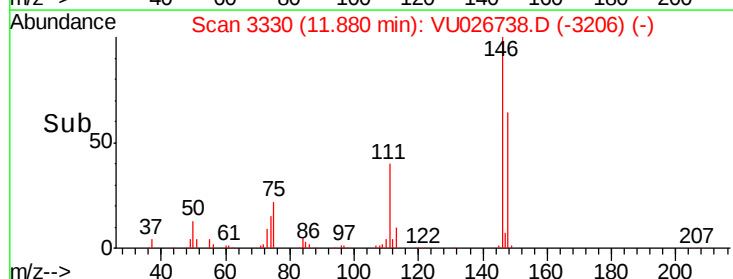
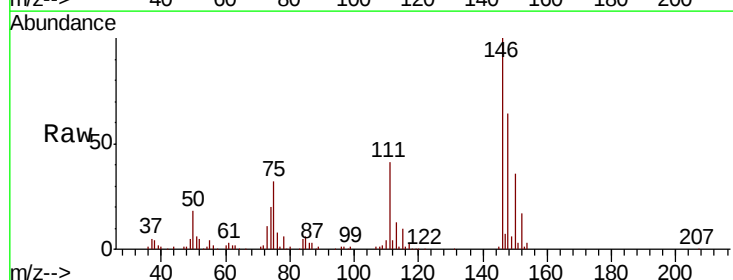
Instrument :
 MSVOA_U
 ClientSampleId :
 C08L7

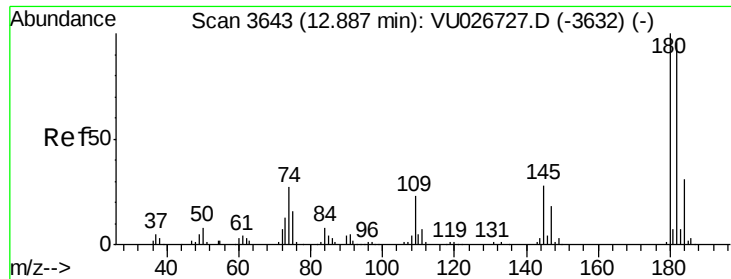
Tgt Ion:146 Resp: 142221
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.5 49.3
 148 63.8 45.2 84.0



#65
 1,2-Dichlorobenzene
 Concen: 40.229 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026738.D
 Acq: 13 Sep 2018 20:13

Tgt Ion:146 Resp: 96534
 Ion Ratio Lower Upper
 146 100
 111 41.2 32.8 49.2
 148 63.8 52.2 78.4

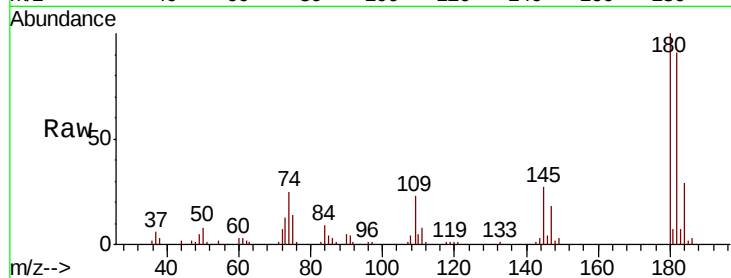




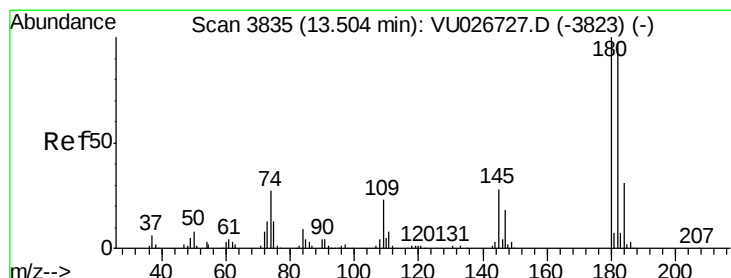
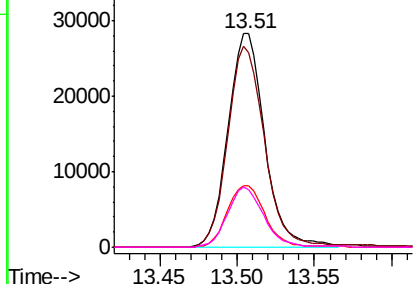
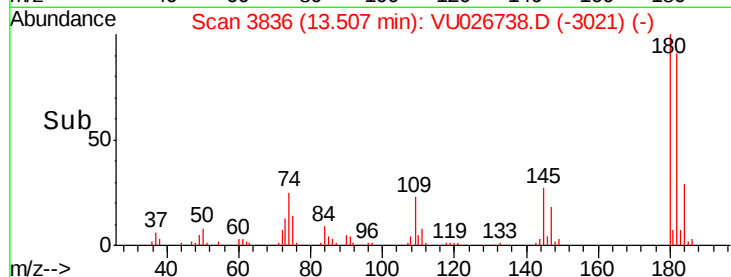
#67
 1,3,5-Trichlorobenzene
 Concen: 25.846 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU026738.D
 Acq: 13 Sep 2018 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L7

Tgt Ion:180 Resp: 46549
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.8 115.2
 184 30.1 24.2 36.2
 145 28.0 21.4 32.2

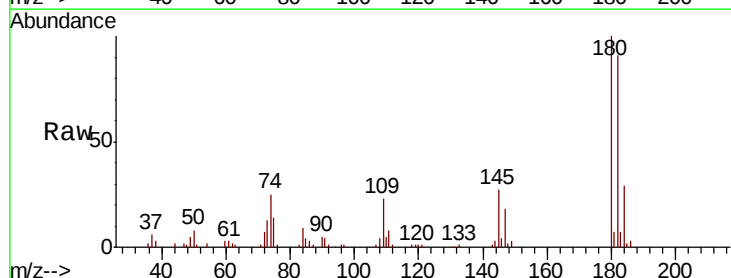


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

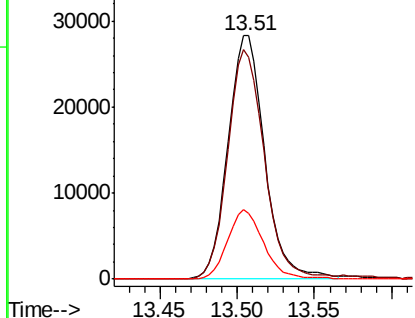
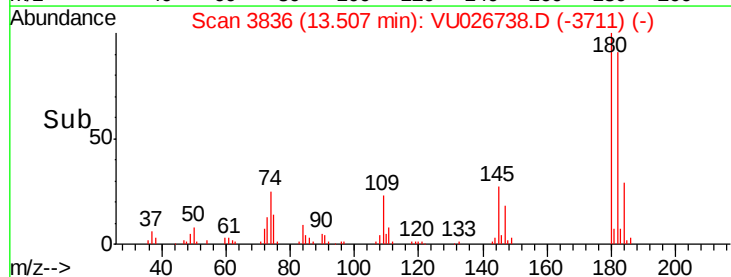


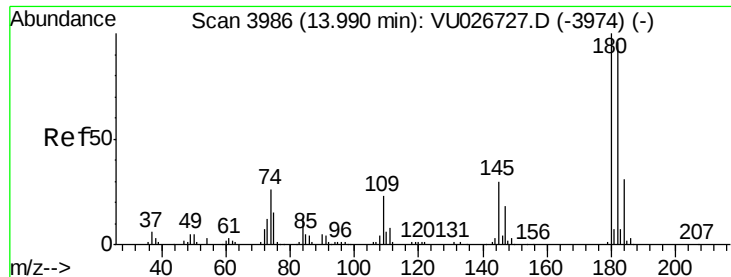
#68
 1,2,4-trichlorobenzene
 Concen: 29.737 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026738.D
 Acq: 13 Sep 2018 20:13

Tgt Ion:180 Resp: 46549
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.0 114.0
 145 28.0 23.4 35.0



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

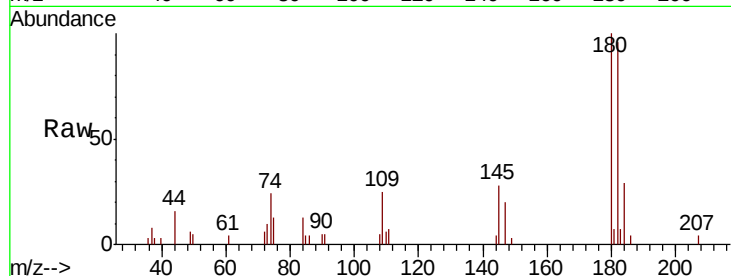




#70
 1,2,3-Trichlorobenzene
 Concen: 4.016 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU026738.D
 Acq: 13 Sep 2018 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L7

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	76.7	115.1
145	29.1	23.0	34.6



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

