

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
 Data File : VU026746.D
 Acq On : 13 Sep 2018 23:19
 Operator : MD/SY
 Sample : J4893-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08S5

Quant Time: Sep 14 03:01:57 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	177547	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	163943	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	71100	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60090	45.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.84%
7) Chloroethane-d5	1.68	69	48096	45.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.22%
11) 1,1-Dichloroethene-d2	2.27	63	82933	35.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.04%
21) 2-Butanone-d5	4.18	46	82914	100.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.70%
24) Chloroform-d	4.65	84	90923	41.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.66%
26) 1,2-Dichloroethane-d4	5.31	65	65730	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.30%
32) Benzene-d6	5.34	84	202703	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
36) 1,2-Dichloropropane-d6	6.33	67	68804	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.64%
41) Toluene-d8	7.57	98	178923	44.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.88%
43) trans-1,3-Dichloropropene-	7.85	79	28457	42.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.98%
47) 2-Hexanone-d5	8.31	63	58321	100.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	88684	45.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	68324	48.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

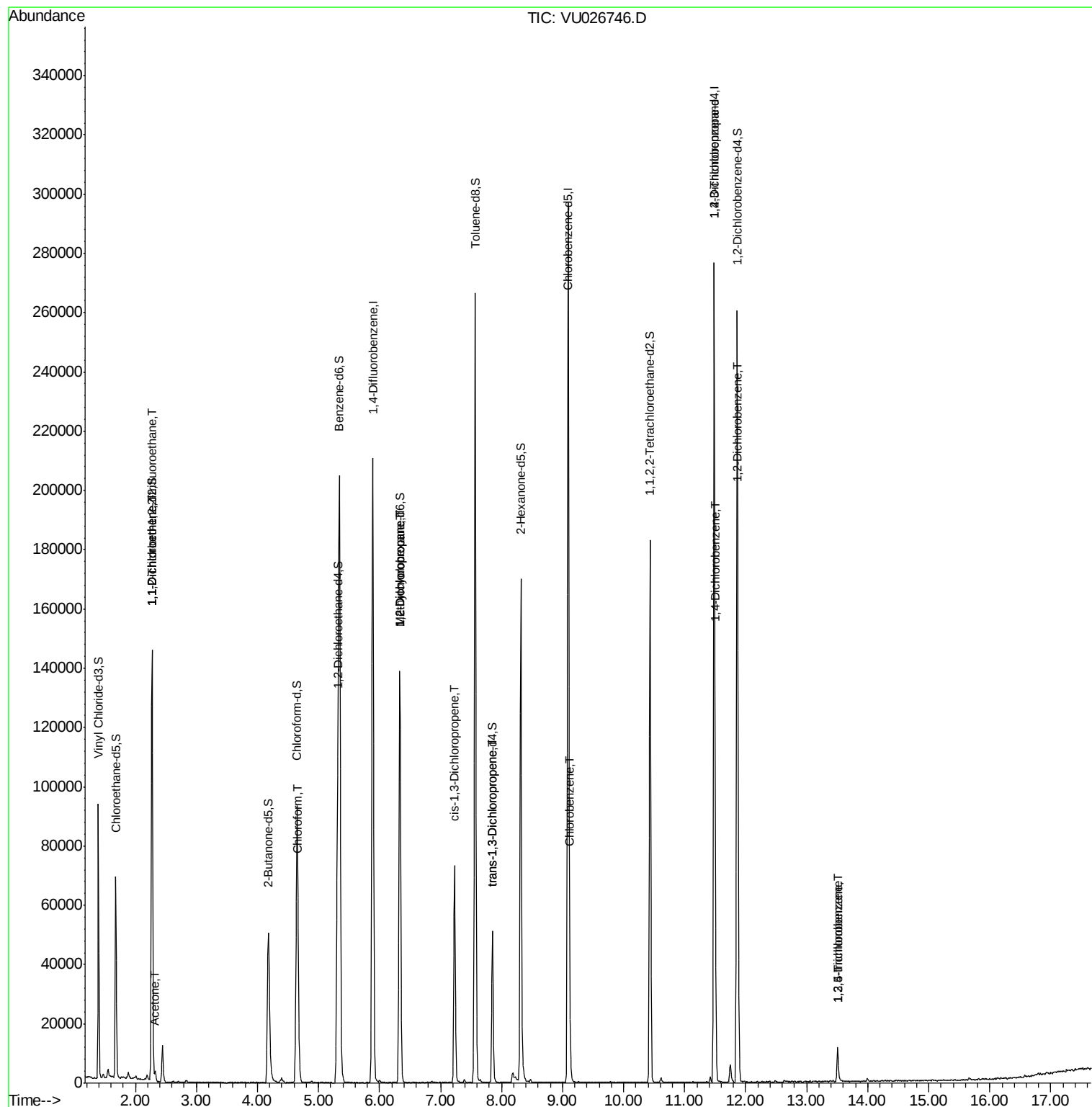
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	667	0.612	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	799	0.763	ug/L #	1
13) Acetone	2.32	43	2545	2.714	ug/L	93
25) Chloroform	4.67	83	7218	3.338	ug/L	96
35) Methylcyclohexane	6.33	83	15229	8.338	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7002	5.459	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1528	0.805	ug/L #	62
44) trans-1,3-Dichloropropene	7.85	75	1346	0.762	ug/L #	81
51) Chlorobenzene	9.12	112	9235	2.956	ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	11213	7.389	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	9331	4.315	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	12365	5.731	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	4619	2.852	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	4619	3.282	ug/L	96

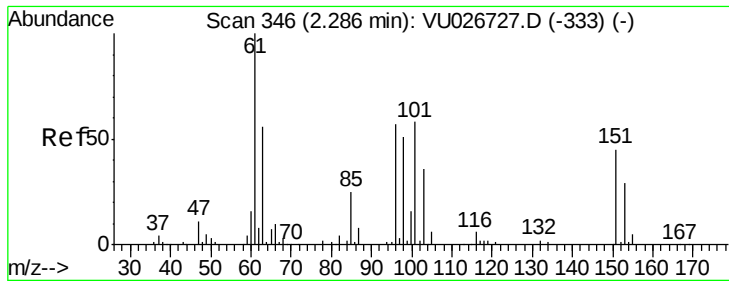
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration





#10

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

Concen: 0.612 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026746.D

Acq: 13 Sep 2018 23:19

Instrument :

MSVOA_U

ClientSampled :

C08S5

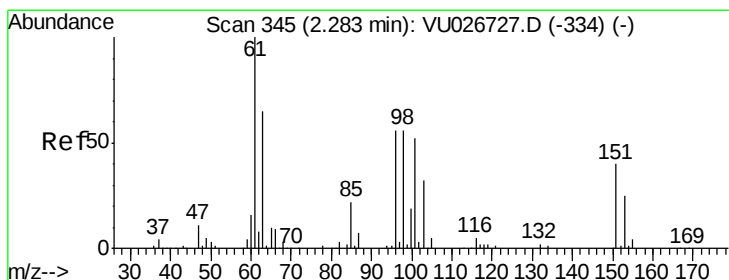
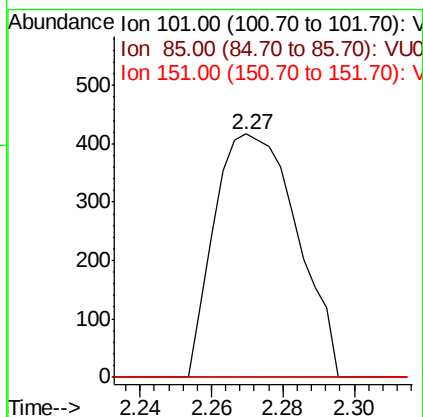
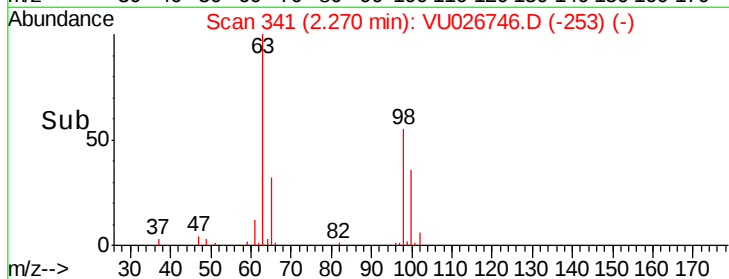
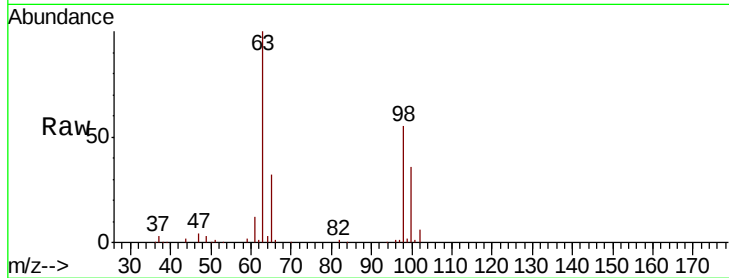
Tgt Ion:101 Resp: 667

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

151 0.0 62.6 94.0#



#12

1,1-Dichloroethene

Concen: 0.763 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026746.D

Acq: 13 Sep 2018 23:19

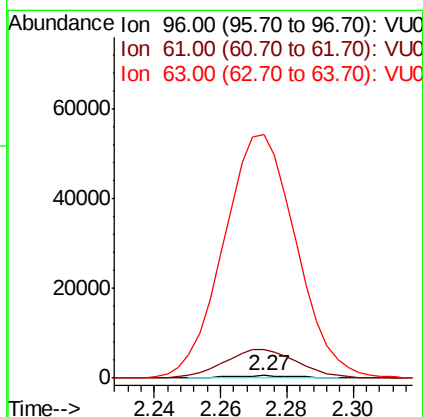
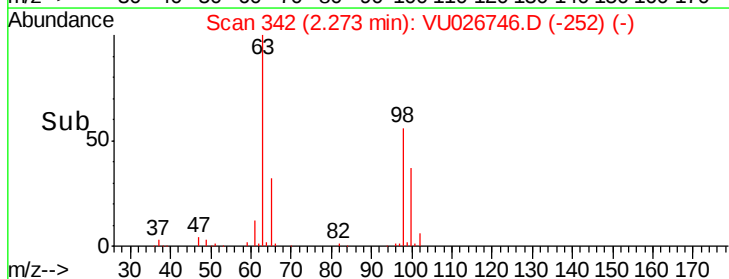
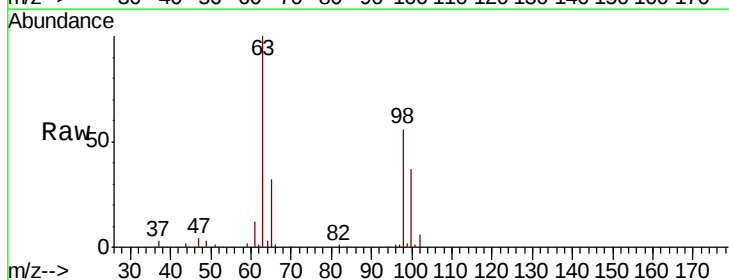
Tgt Ion: 96 Resp: 799

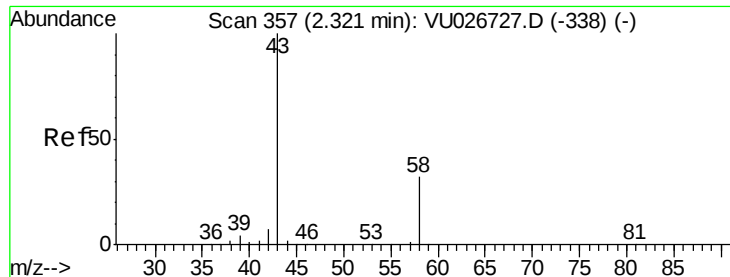
Ion Ratio Lower Upper

96 100

61 1212.4 121.0 224.8#

63 10155.8 89.9 166.9#





#13

Acetone

Concen: 2.714 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026746.D

Acq: 13 Sep 2018 23:19

Instrument :

MSVOA_U

ClientSampleId :

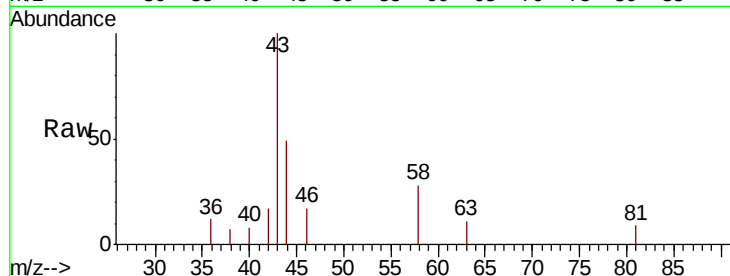
C08S5

Tgt Ion: 43 Resp: 2545

Ion Ratio Lower Upper

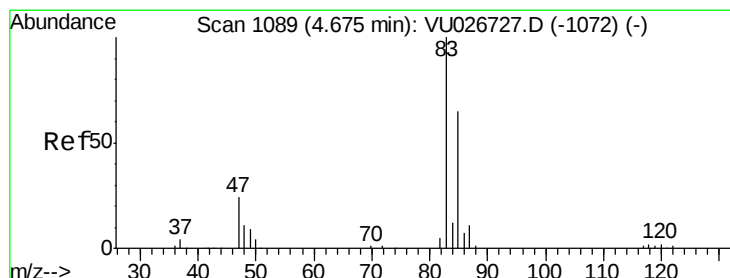
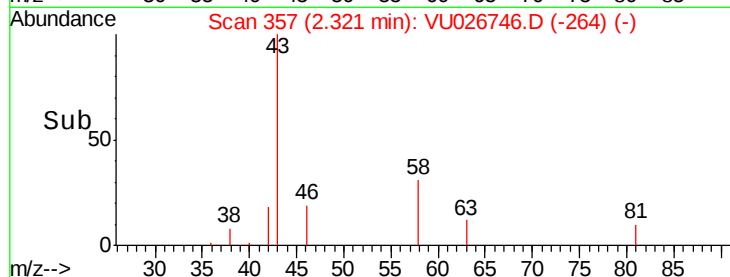
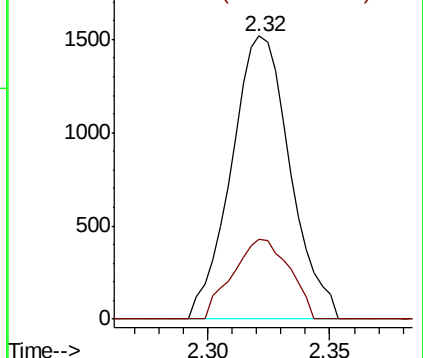
43 100

58 27.3 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: 3.338 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU026746.D

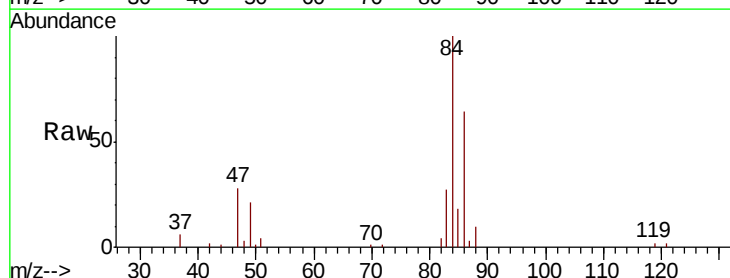
Acq: 13 Sep 2018 23:19

Tgt Ion: 83 Resp: 7218

Ion Ratio Lower Upper

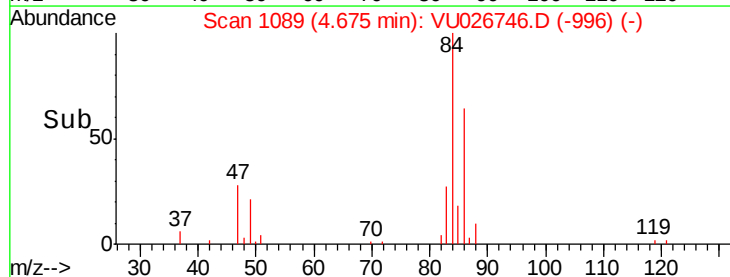
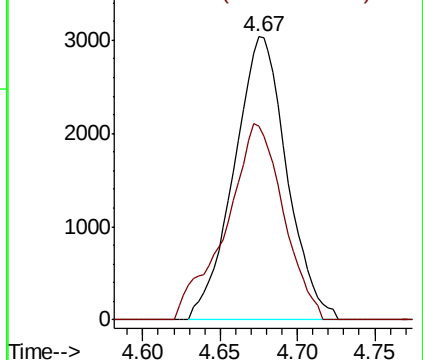
83 100

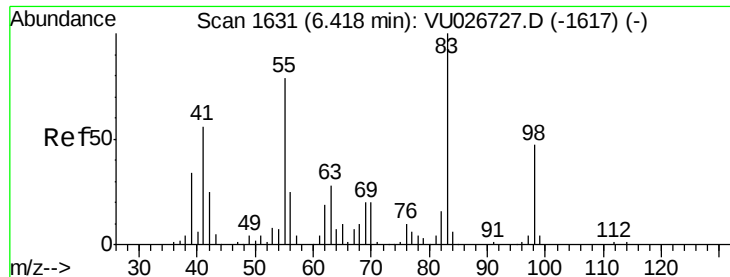
85 68.3 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

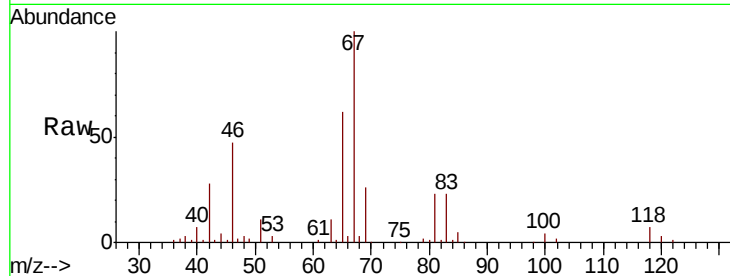




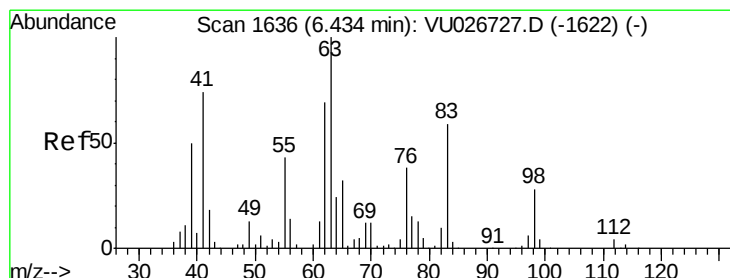
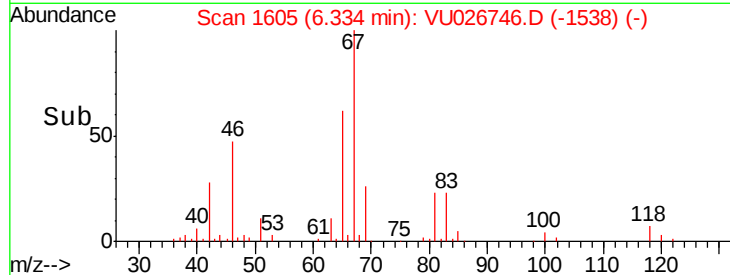
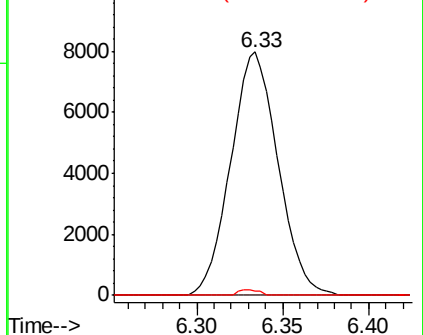
#35
Methylcyclohexane
Concen: 8.338 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU026746.D
Acq: 13 Sep 2018 23:19

Instrument :
MSVOA_U
ClientSampleId :
C08S5

Tgt Ion: 83 Resp: 15229
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 0.9 37.0 55.4#

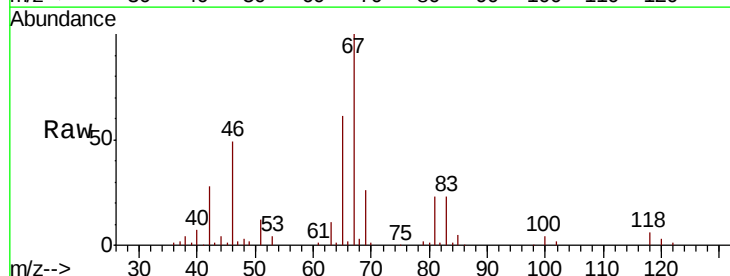


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

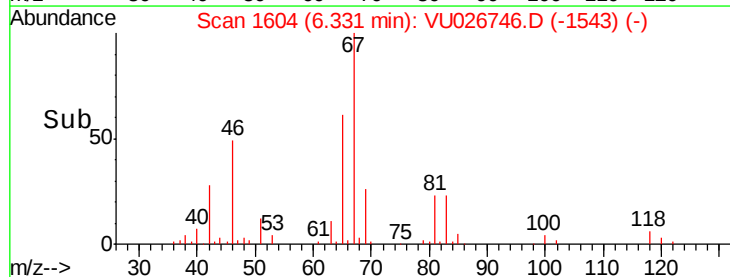
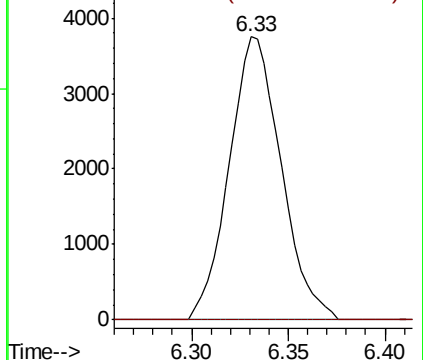


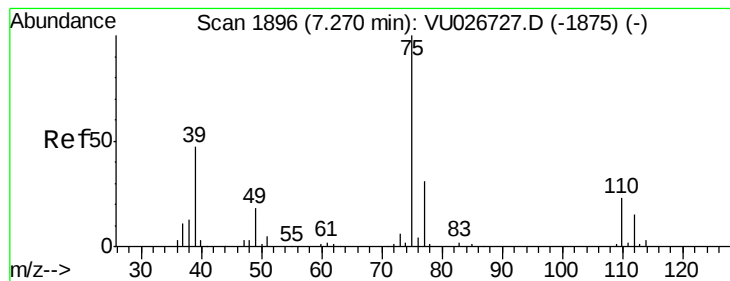
#37
1,2-Dichloropropane
Concen: 5.459 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU026746.D
Acq: 13 Sep 2018 23:19

Tgt Ion: 63 Resp: 7002
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V



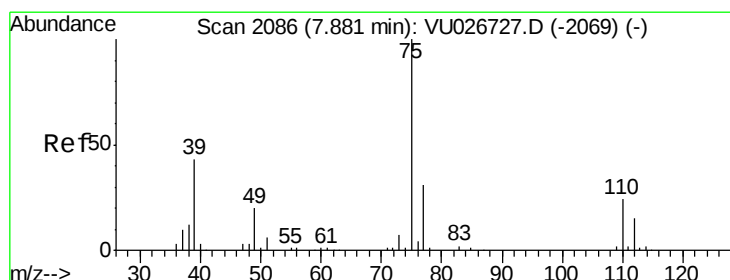
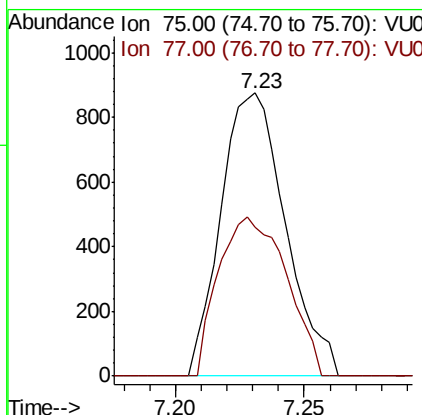
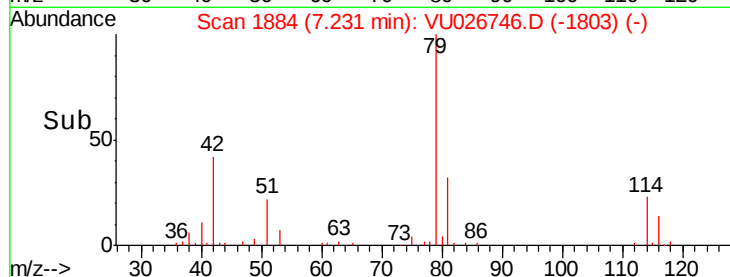
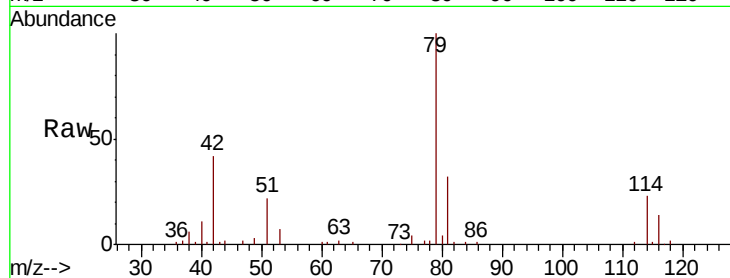


#39

cis-1,3-Dichloropropene
Concen: 0.805 ug/L
RT: 7.23 min Scan# 1884
Delta R.T. -0.04 min
Lab File: VU026746.D
Acq: 13 Sep 2018 23:19

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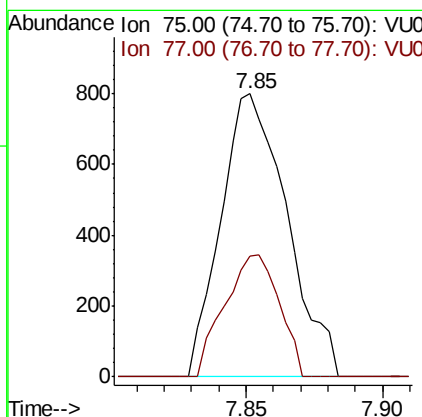
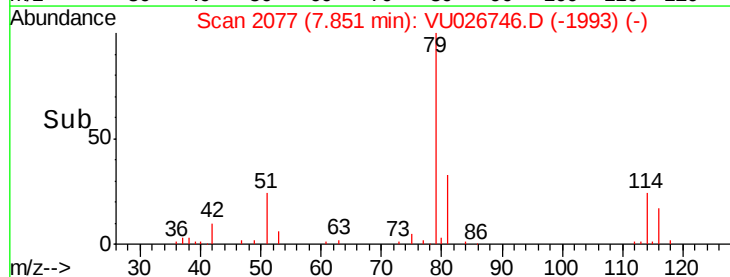
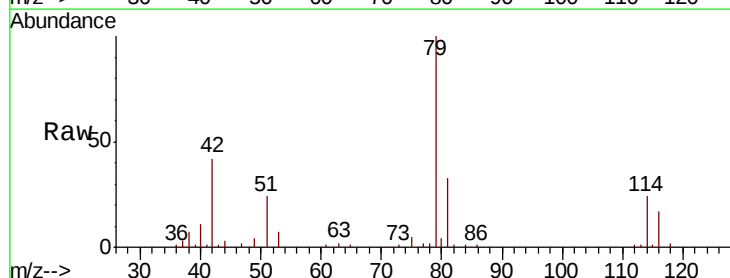
Tgt Ion: 75 Resp: 1528
Ion Ratio Lower Upper
75 100
77 52.7 22.3 41.3#

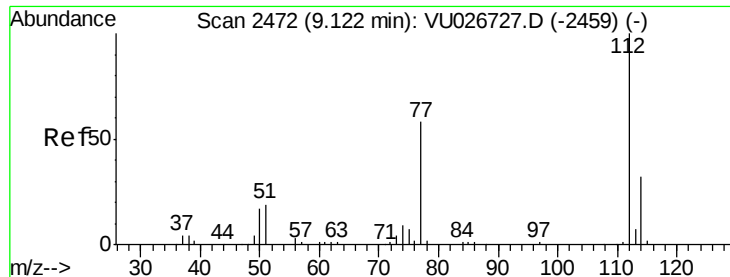


#44

trans-1,3-Dichloropropene
Concen: 0.762 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU026746.D
Acq: 13 Sep 2018 23:19

Tgt Ion: 75 Resp: 1346
Ion Ratio Lower Upper
75 100
77 42.6 22.4 41.6#

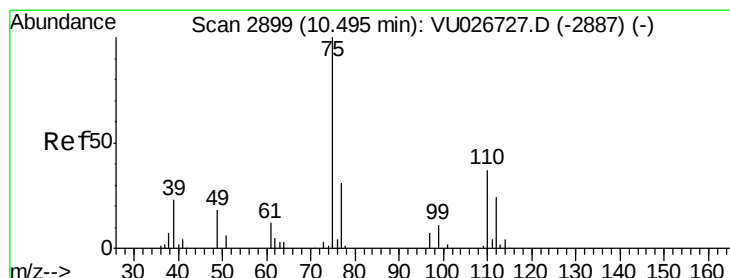
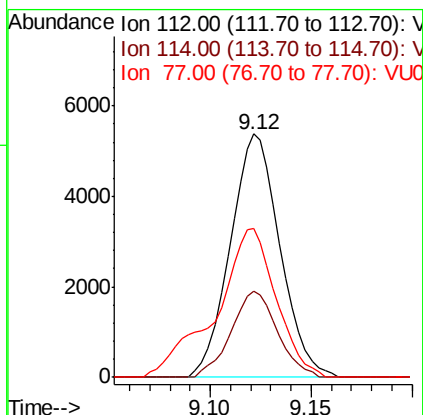
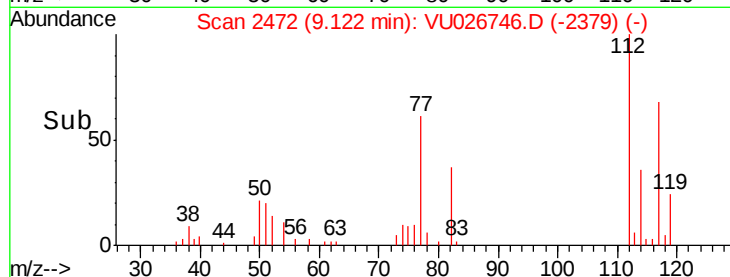
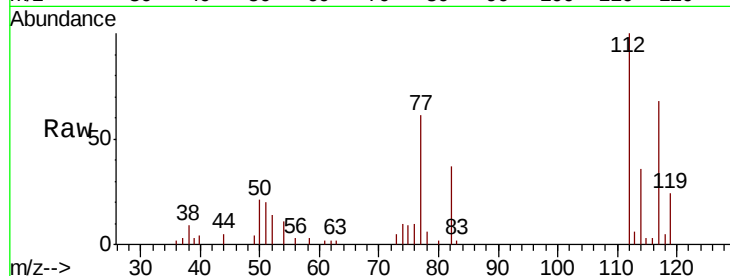




#51
Chlorobenzene
Concen: 2.956 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026746.D
Acq: 13 Sep 2018 23:19

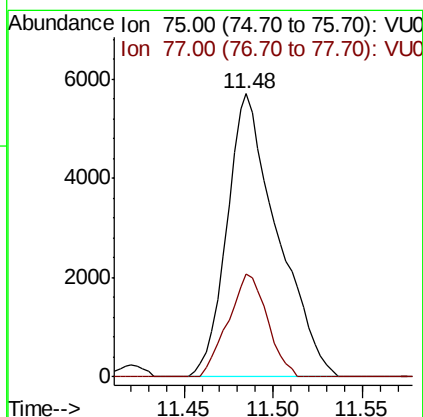
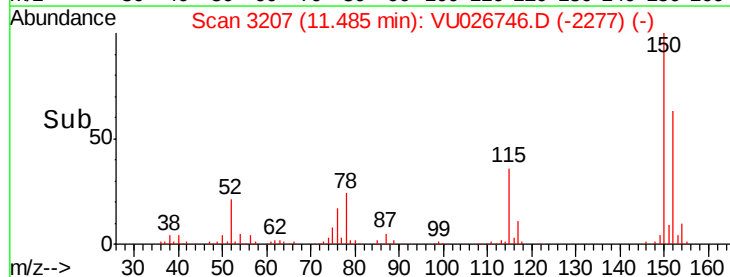
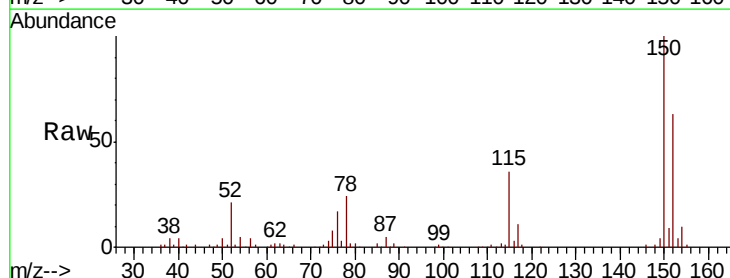
Instrument :
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ClientSampleId :
C08S5

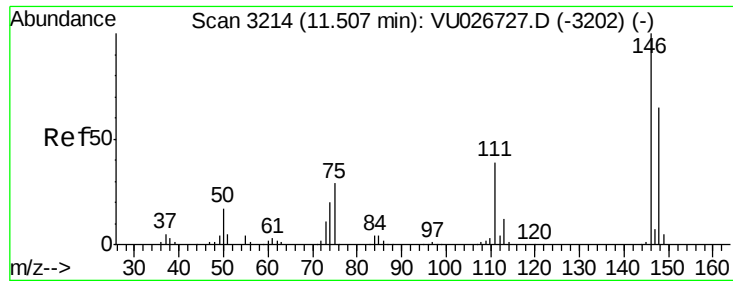
Tgt Ion: 112 Resp: 9235
Ion Ratio Lower Upper
112 100
114 35.6 22.9 42.5
77 61.0 47.2 70.8



#59
1,2,3-Trichloropropane
Concen: 7.389 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU026746.D
Acq: 13 Sep 2018 23:19

Tgt Ion: 75 Resp: 11213
Ion Ratio Lower Upper
75 100
77 28.3 25.8 38.6





#63

1,4-Dichlorobenzene

Concen: 4.315 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026746.D

Acq: 13 Sep 2018 23:19

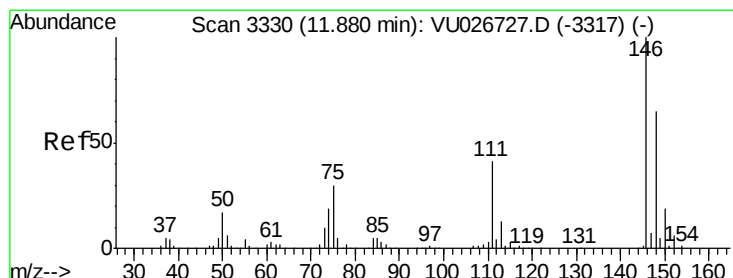
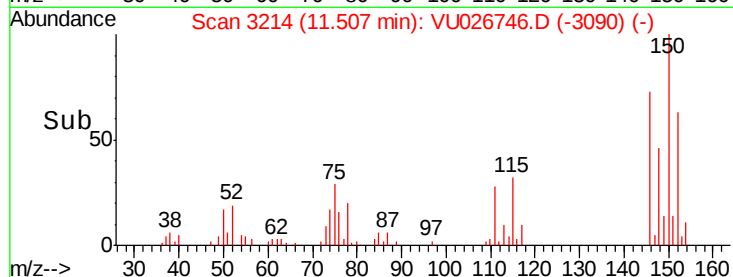
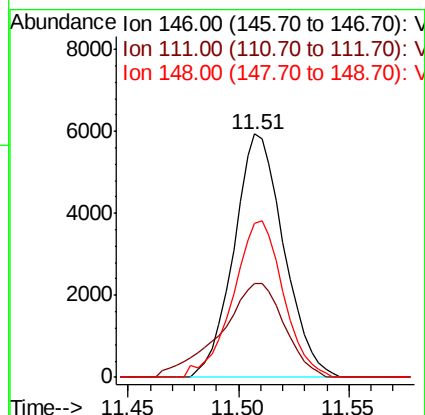
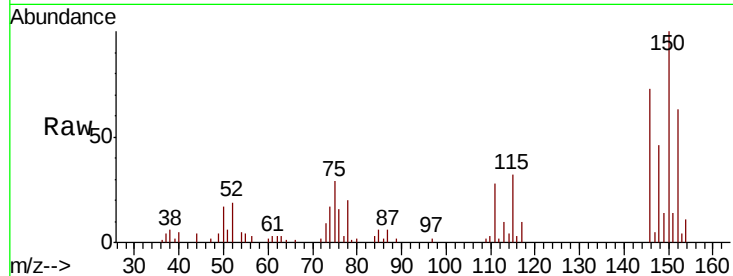
Instrument :

MSVOA_U

ClientSampleId :

C08S5

Tgt Ion:	146	Resp:	9331
Ion	Ratio	Lower	Upper
146	100		
111	38.5	26.5	49.3
148	63.4	45.2	84.0



#65

1,2-Dichlorobenzene

Concen: 5.731 ug/L

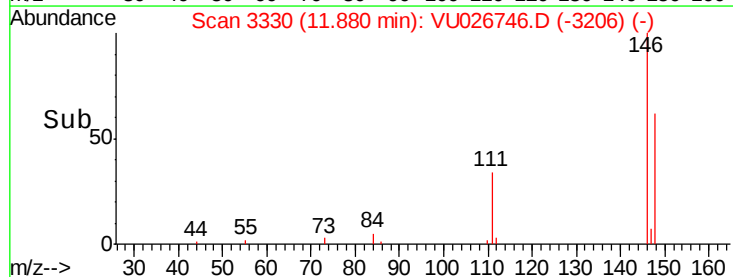
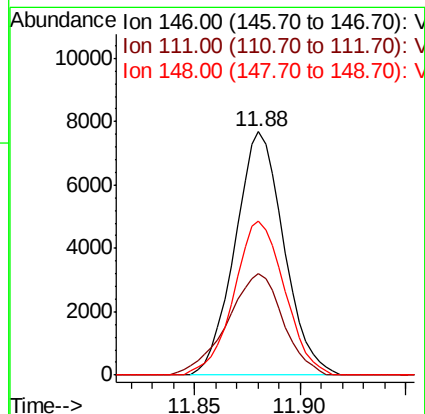
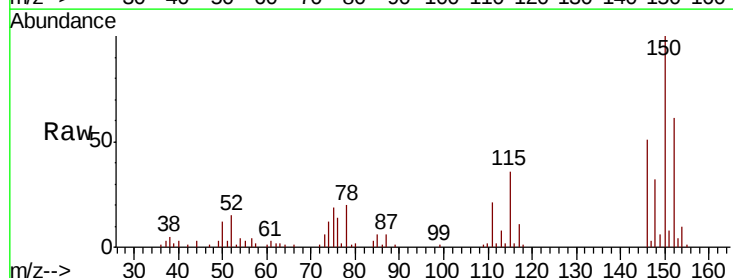
RT: 11.88 min Scan# 3330

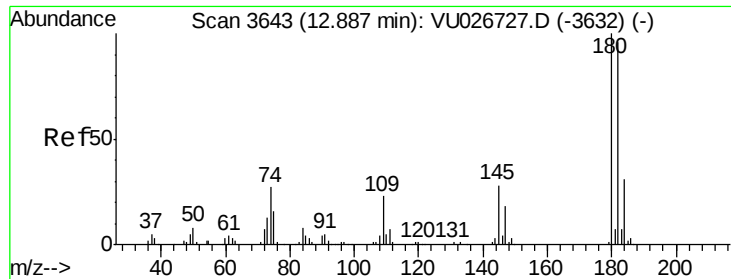
Delta R.T. -0.00 min

Lab File: VU026746.D

Acq: 13 Sep 2018 23:19

Tgt Ion:	146	Resp:	12365
Ion	Ratio	Lower	Upper
146	100		
111	41.5	32.8	49.2
148	63.1	52.2	78.4

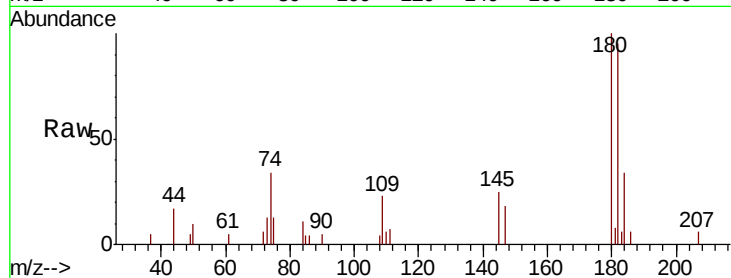




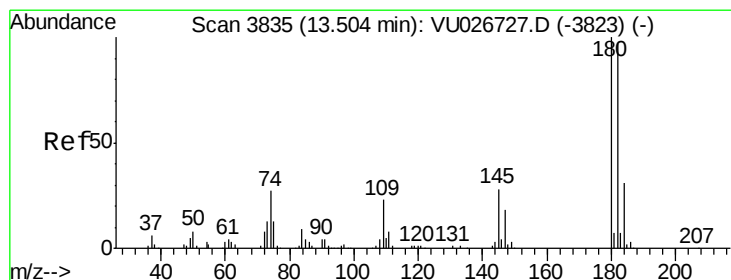
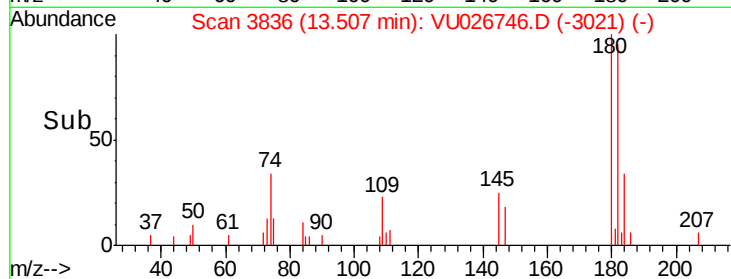
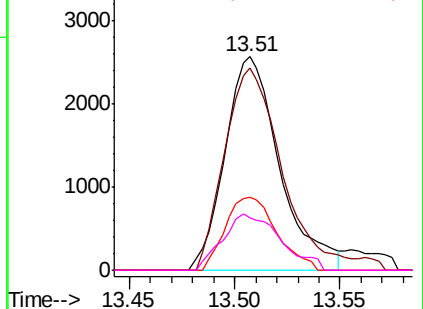
#67
 1,3,5-Trichlorobenzene
 Concen: 2.852 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU026746.D
 Acq: 13 Sep 2018 23:19

Instrument :
 MSVOA_U
 ClientSampleId :
 C08S5

Tgt Ion:	180	Resp:	4619
Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.8	115.2
184	32.0	24.2	36.2
145	27.2	21.4	32.2

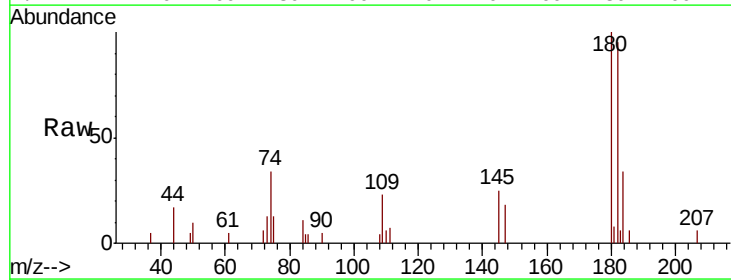


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 3.282 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026746.D
 Acq: 13 Sep 2018 23:19

Tgt Ion:	180	Resp:	4619
Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.0	114.0
145	27.2	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

