

Data File : VU033423.D
Acq On : 25 Jul 2019 20:42
Operator : JC/SP
Sample : K3982-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AA2

Quant Time: Jul 26 05:53:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	264864	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	270473	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	116484	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	121830	60.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	121.52%
7) Chloroethane-d5	1.67	69	104513	61.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.04%
11) 1,1-Dichloroethene-d2	2.26	63	149295	41.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.10%
21) 2-Butanone-d5	4.15	46	142001	111.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.78%
24) Chloroform-d	4.62	84	177339	52.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.56%
26) 1,2-Dichloroethane-d4	5.29	65	125464	58.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.44%
32) Benzene-d6	5.32	84	381245	57.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.92%
36) 1,2-Dichloropropane-d6	6.31	67	121771	57.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.58%
41) Toluene-d8	7.55	98	340935	54.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.98%
43) trans-1,3-Dichloropropene-	7.83	79	53783	51.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.20%
47) 2-Hexanone-d5	8.29	63	100590	104.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.98%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	178880	55.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.22%
64) 1,2-Dichlorobenzene-d4	11.85	152	127904	61.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.14%#

Target Compounds

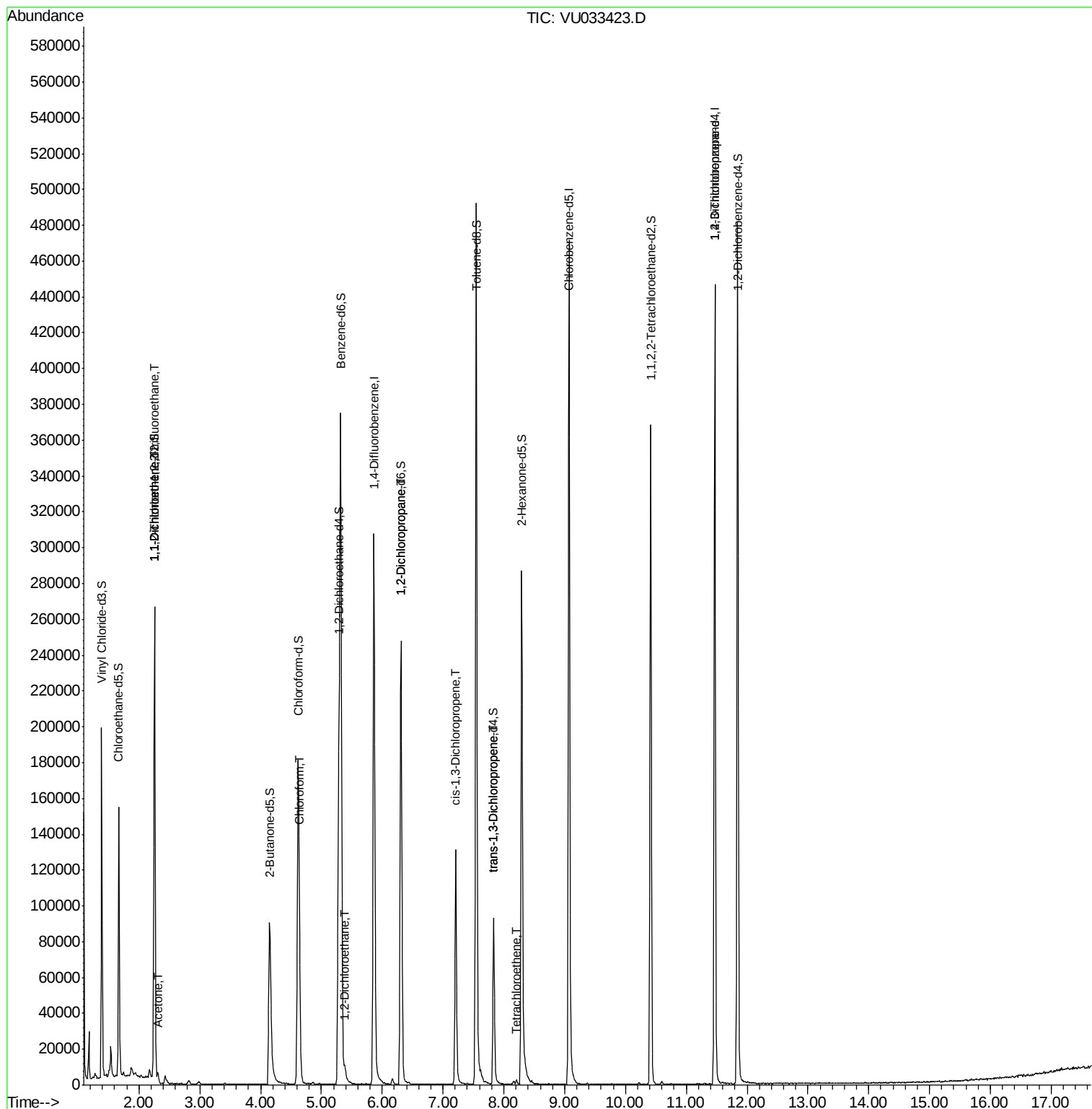
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1360	0.753 ug/L #	21
12) 1,1-Dichloroethene	2.25	96	1305	0.738 ug/L #	1
13) Acetone	2.31	43	4759	2.998 ug/L	96
25) Chloroform	4.65	83	14347	3.841 ug/L	93
27) 1,2-Dichloroethane	5.39	62	5794	2.003 ug/L	98
37) 1,2-Dichloropropane	6.31	63	13311	6.223 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	3481	1.061 ug/L #	59
44) trans-1,3-Dichloropropene	7.83	75	2499	0.845 ug/L	92
46) Tetrachloroethene	8.21	164	672	0.421 ug/L #	71
59) 1,2,3-Trichloropropane	11.47	75	14235	5.112 ug/L	93

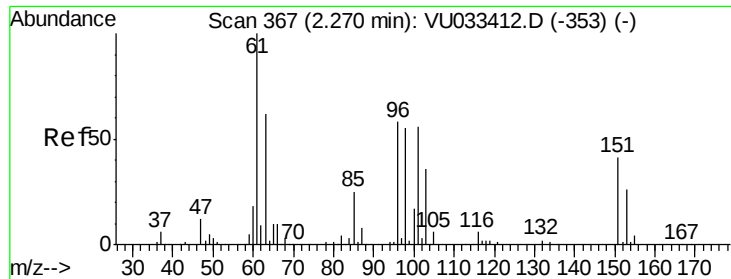
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.753 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

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Instrument :

MSVOA_U

ClientSampleId :

C0AA2

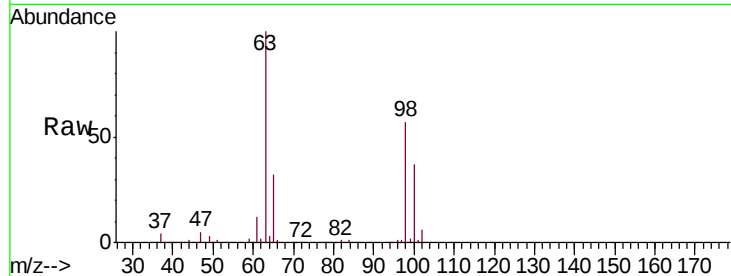
Tgt Ion: 101 Resp: 1360

Ion Ratio Lower Upper

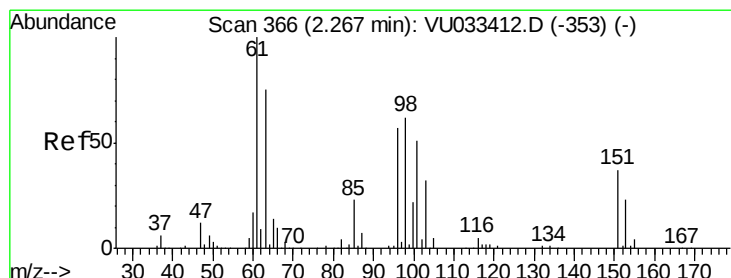
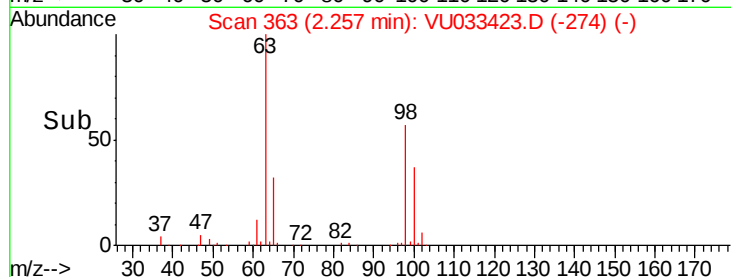
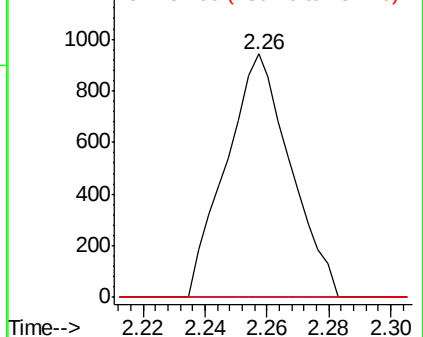
101 100

85 0.0 35.8 53.8#

151 0.0 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VUC
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.738 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.01 min

Lab File: VU033423.D

Acq: 25 Jul 2019 20:42

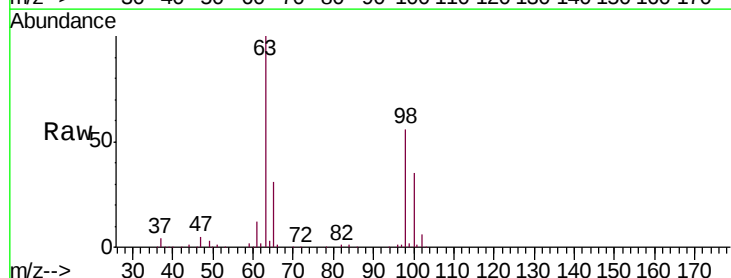
Tgt Ion: 96 Resp: 1305

Ion Ratio Lower Upper

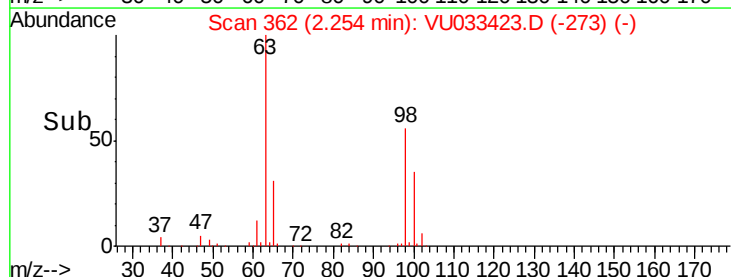
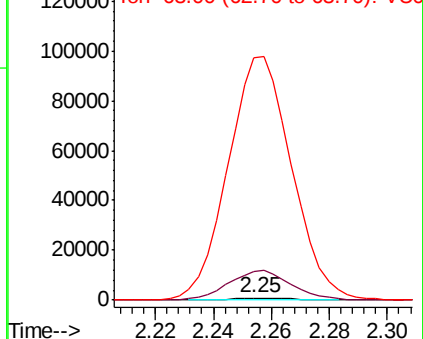
96 100

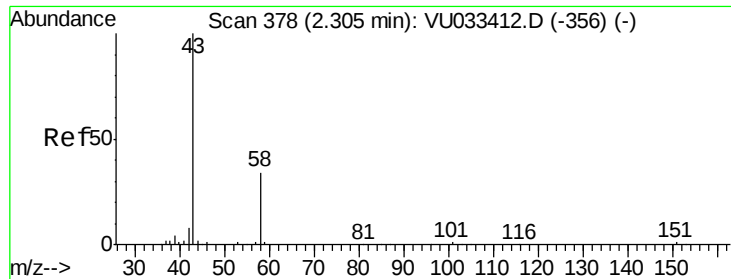
61 1260.0 126.1 234.1#

63 10656.7 96.8 179.8#



Abundance Ion 96.00 (95.70 to 96.70): VUC
Ion 61.00 (60.70 to 61.70): VUC
Ion 63.00 (62.70 to 63.70): VUC





#13

Acetone

Concen: 2.998 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033423.D

Acq: 25 Jul 2019 20:42

Instrument :

MSVOA_U

ClientSampleId :

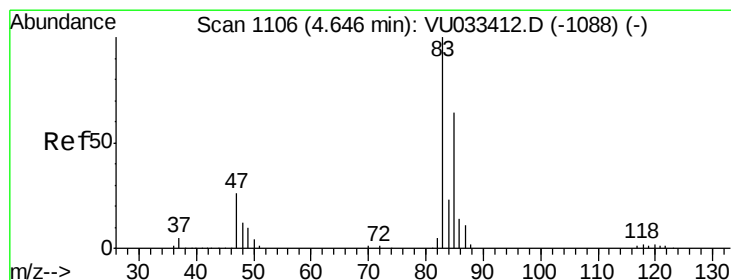
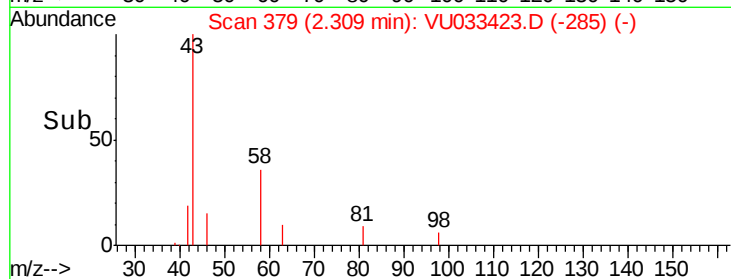
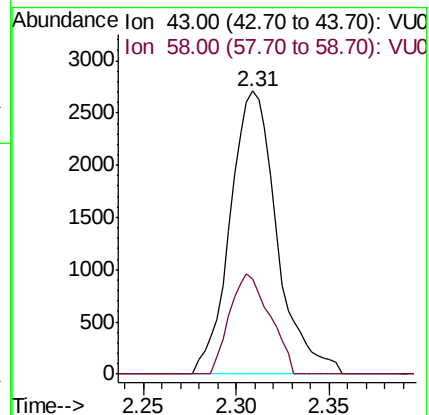
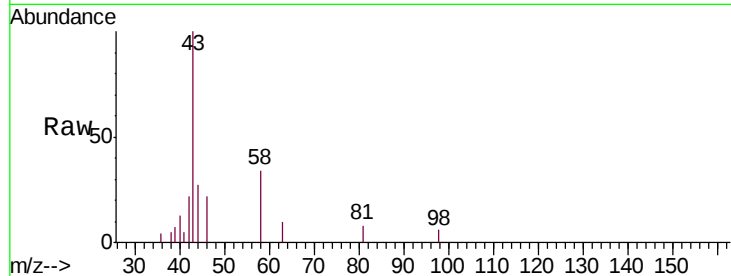
C0AA2

Tgt Ion: 43 Resp: 4759

Ion Ratio Lower Upper

43 100

58 30.2 0.0 65.4



#25

Chloroform

Concen: 3.841 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033423.D

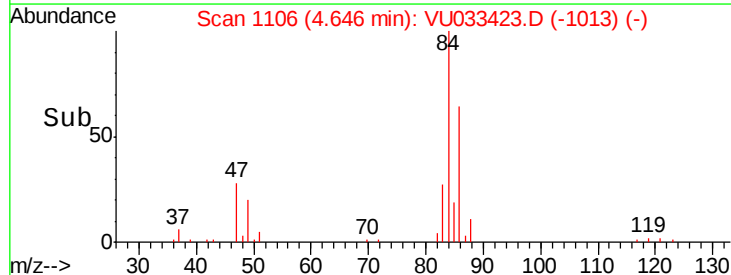
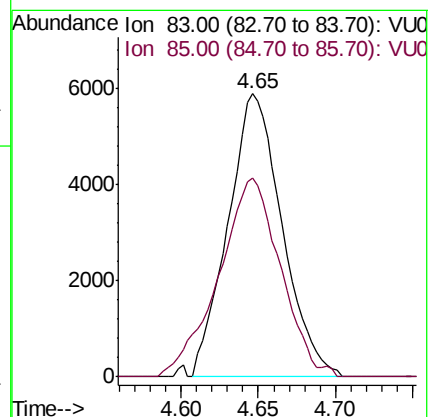
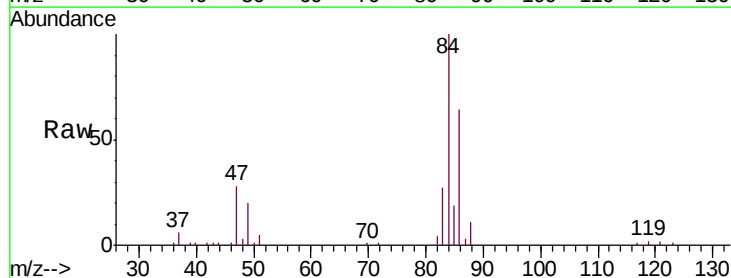
Acq: 25 Jul 2019 20:42

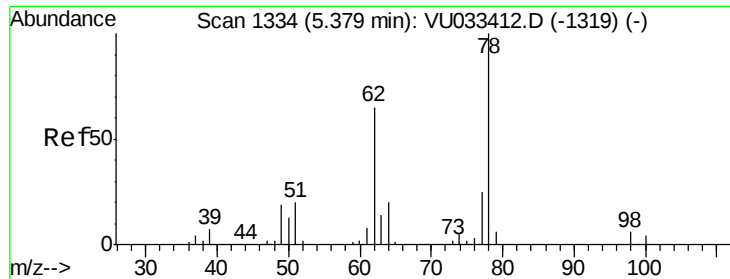
Tgt Ion: 83 Resp: 14347

Ion Ratio Lower Upper

83 100

85 70.1 45.4 84.4

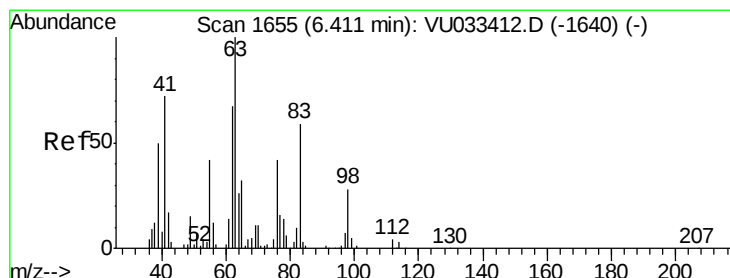
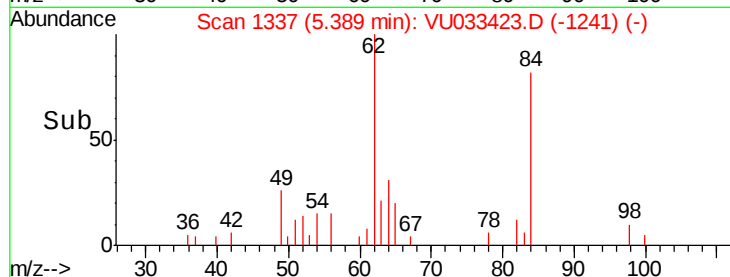
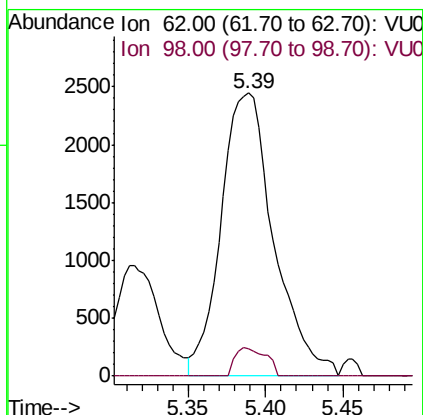
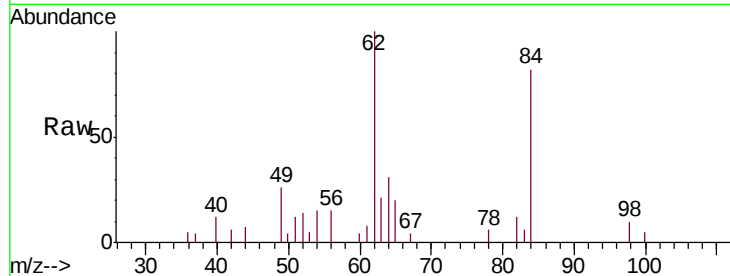




#27
 1,2-Dichloroethane
 Concen: 2.003 ug/L
 RT: 5.39 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: VU033423.D
 Acq: 25 Jul 2019 20:42

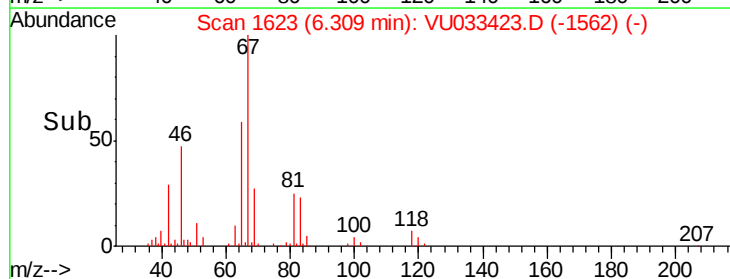
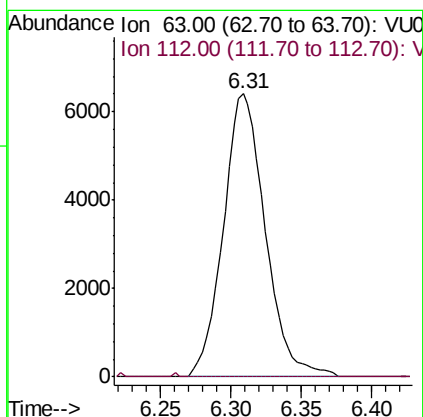
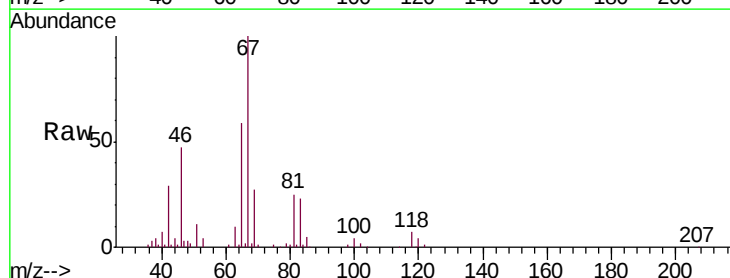
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA2

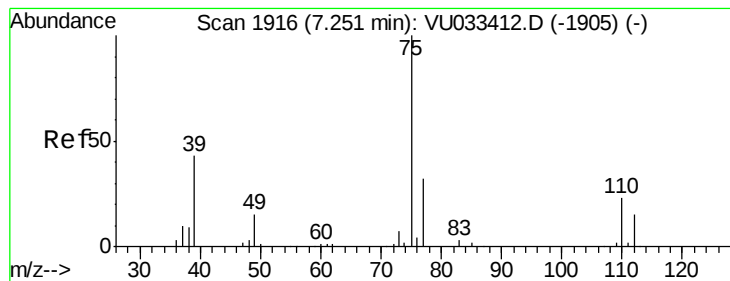
Tgt Ion: 62 Resp: 5794
 Ion Ratio Lower Upper
 62 100
 98 9.5 7.0 10.6



#37
 1,2-Dichloropropane
 Concen: 6.223 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033423.D
 Acq: 25 Jul 2019 20:42

Tgt Ion: 63 Resp: 13311
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



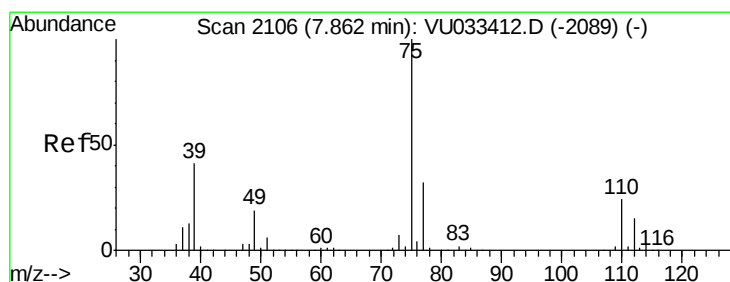
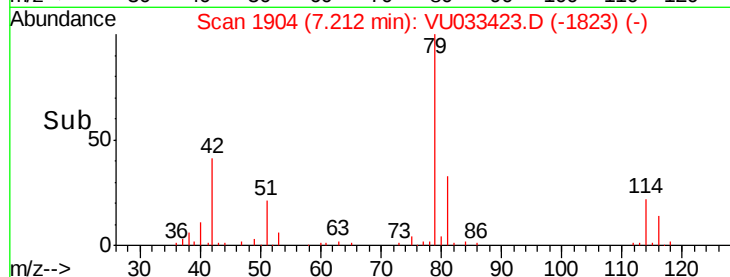
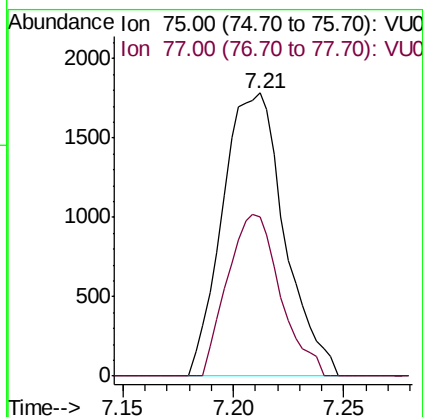
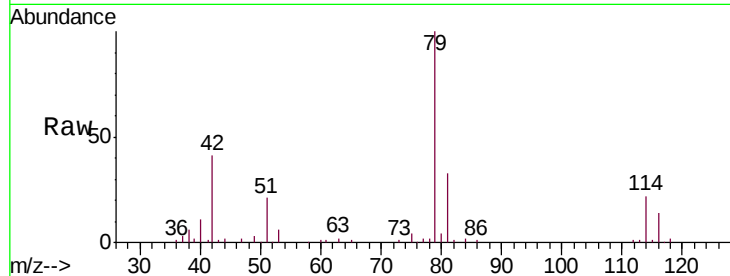


#39

cis-1,3-Dichloropropene
Concen: 1.061 ug/L
RT: 7.21 min Scan# 1904
Delta R.T. -0.04 min
Lab File: VU033423.D
Acq: 25 Jul 2019 20:42

Instrument :
MSVOA_U
ClientSampleId :
C0AA2

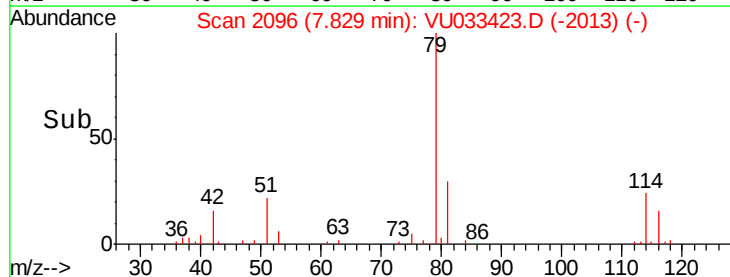
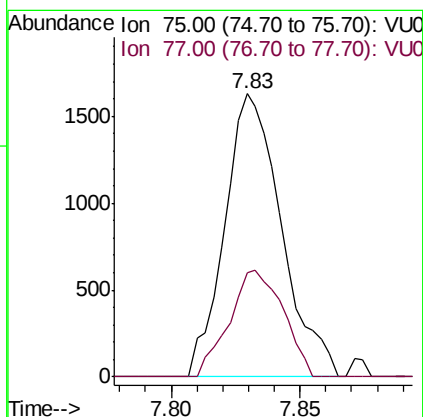
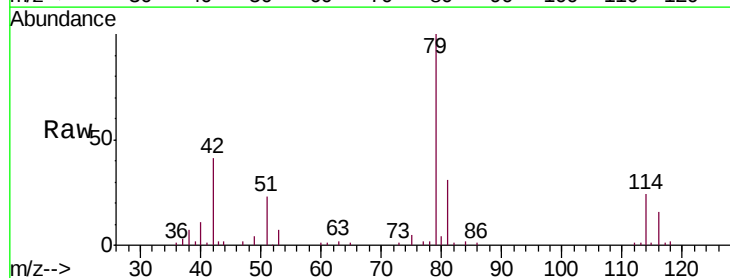
Tgt Ion: 75 Resp: 3481
Ion Ratio Lower Upper
75 100
77 56.2 23.1 42.9#

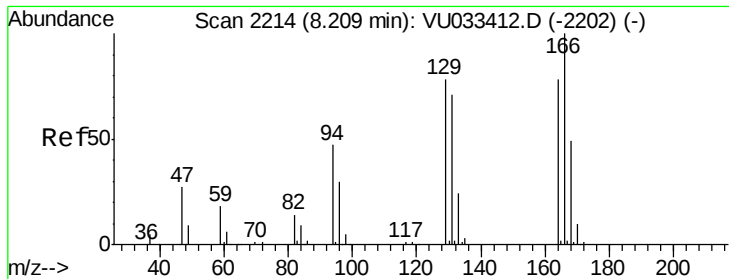


#44

trans-1,3-Dichloropropene
Concen: 0.845 ug/L
RT: 7.83 min Scan# 2096
Delta R.T. -0.03 min
Lab File: VU033423.D
Acq: 25 Jul 2019 20:42

Tgt Ion: 75 Resp: 2499
Ion Ratio Lower Upper
75 100
77 36.6 22.4 41.6





#46

Tetrachloroethene

Concen: 0.421 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU033423.D

Acq: 25 Jul 2019 20:42

Instrument :

MSVOA_U

ClientSampleId :

C0AA2

Tgt Ion:164 Resp: 672

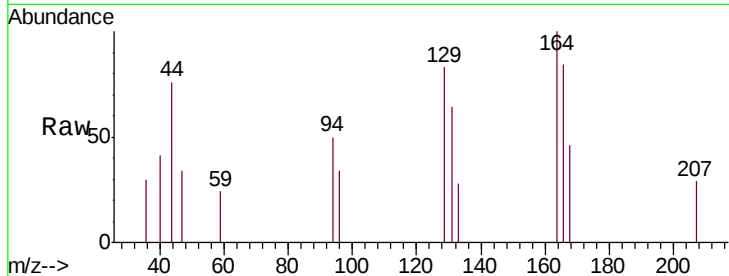
Ion Ratio Lower Upper

164 100

129 82.5 69.6 129.2

131 63.6 65.7 122.1#

166 84.4 88.5 164.4#

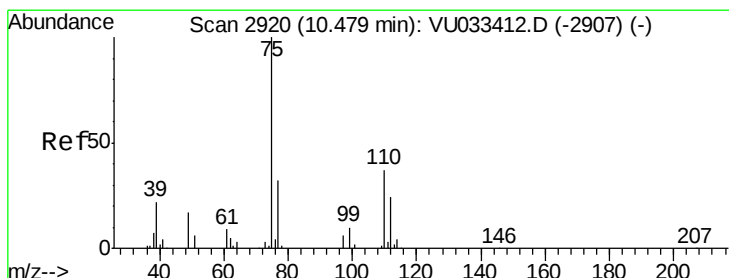
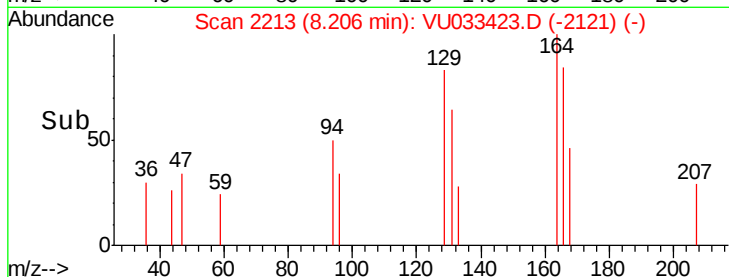
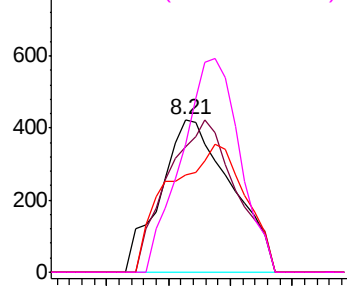


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.112 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033423.D

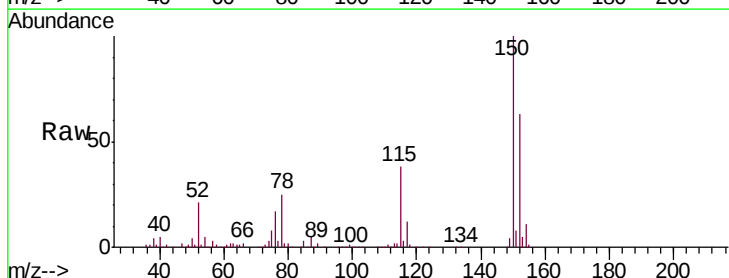
Acq: 25 Jul 2019 20:42

Tgt Ion: 75 Resp: 14235

Ion Ratio Lower Upper

75 100

77 36.2 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

