

Data File : VU033400.D
Acq On : 25 Jul 2019 11:18
Operator : JC/SP
Sample : K3957-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2A03

Quant Time: Jul 26 04:36:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 04:32:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	250003	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	255555	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	108375	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	77403	40.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.80%
7) Chloroethane-d5	1.67	69	76923	47.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.16%
11) 1,1-Dichloroethene-d2	2.26	63	113681	33.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.24%
21) 2-Butanone-d5	4.15	46	123727	103.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.18%
24) Chloroform-d	4.62	84	157773	49.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.50%
26) 1,2-Dichloroethane-d4	5.29	65	104683	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.92%
32) Benzene-d6	5.32	84	298542	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.24%
36) 1,2-Dichloropropane-d6	6.31	67	101361	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.94%
41) Toluene-d8	7.55	98	260555	44.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.14%
43) trans-1,3-Dichloropropene-	7.83	79	43069	43.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.48%
47) 2-Hexanone-d5	8.30	63	83843	92.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.61%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	158309	52.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.16%
64) 1,2-Dichlorobenzene-d4	11.85	152	106613	55.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.32%

Target Compounds

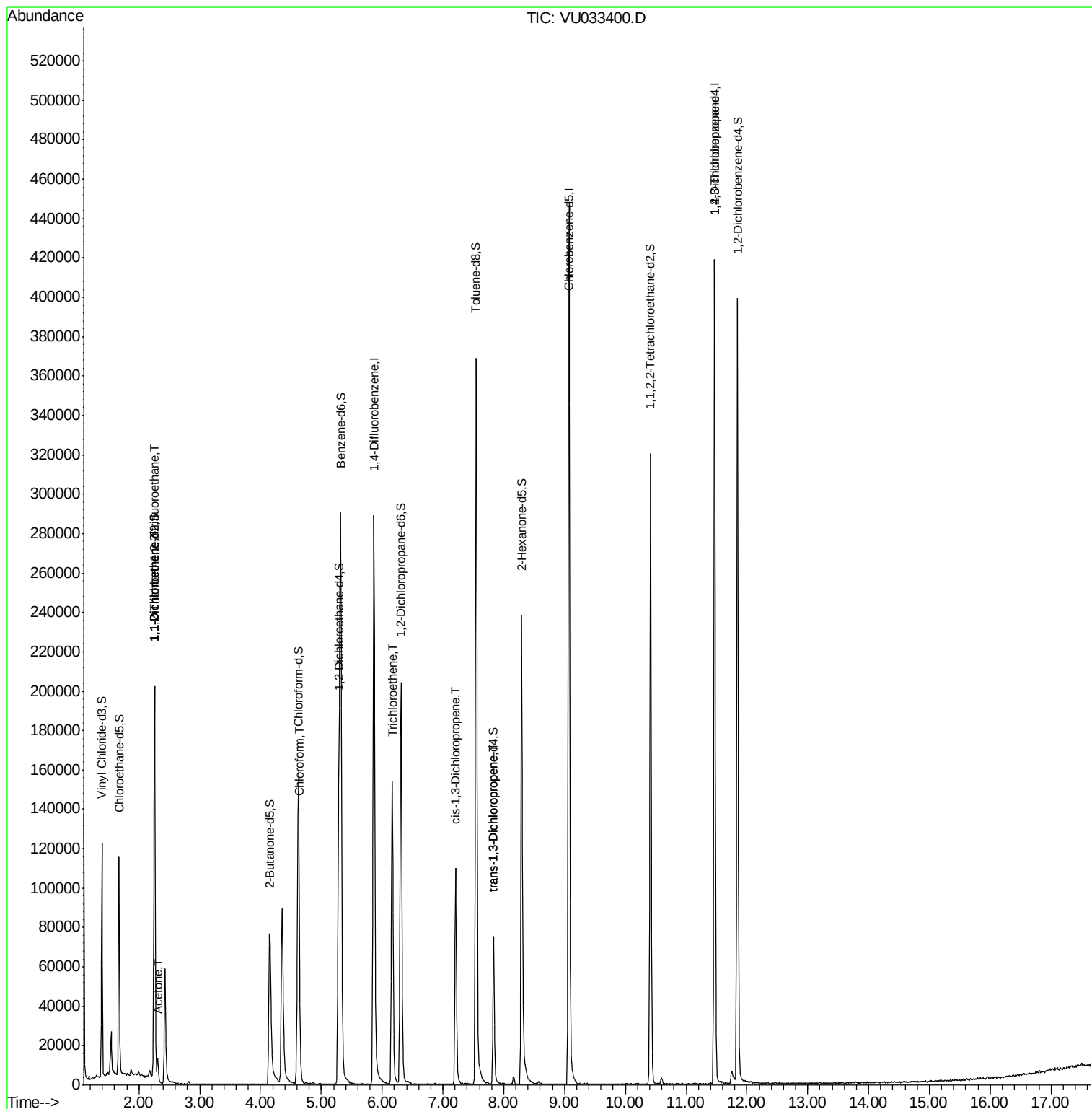
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1005	0.589 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	985	0.590 ug/L #	1
13) Acetone	2.31	43	11823	7.891 ug/L	96
25) Chloroform	4.64	83	2506	0.711 ug/L	84
34) Trichloroethene	6.17	95	54283	27.851 ug/L	96
39) cis-1,3-Dichloropropene	7.21	75	2714	0.876 ug/L #	76
44) trans-1,3-Dichloropropene	7.83	75	2036	0.729 ug/L	97
59) 1,2,3-Trichloropropane	11.47	75	13459	5.115 ug/L	95

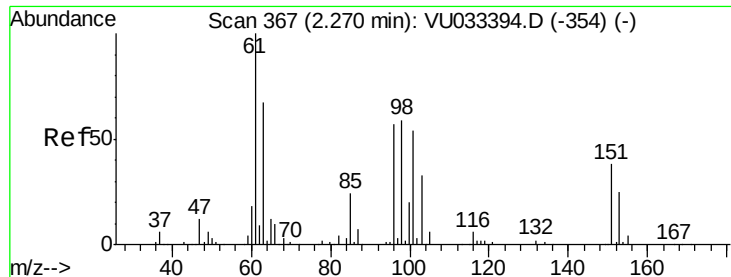
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.589 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

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Instrument :

MSVOA_U

ClientSampleId :

F2A03

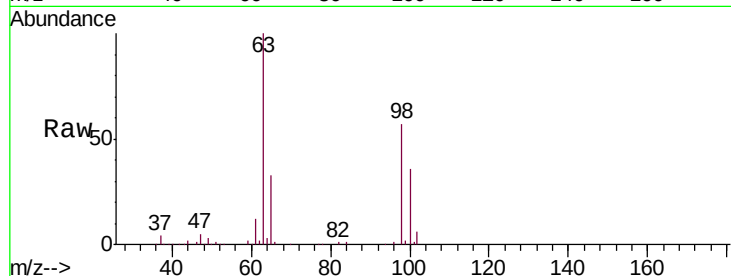
Tgt Ion: 101 Resp: 1005

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): VU0

Ion 151.00 (150.70 to 151.70): V

2.26

600

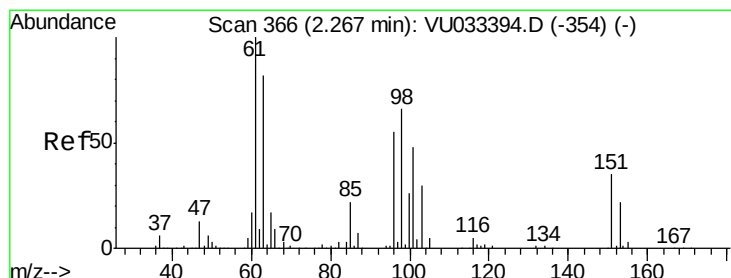
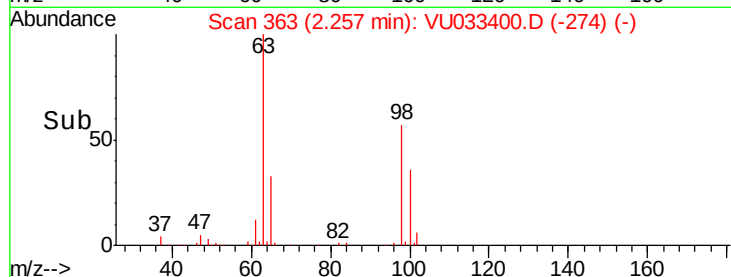
400

200

0

2.22 2.24 2.26 2.28

Time-->



#12

1,1-Dichloroethene

Concen: 0.590 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033400.D

Acq: 25 Jul 2019 11:18

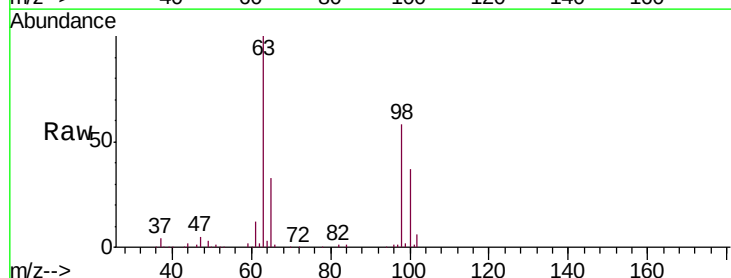
Tgt Ion: 96 Resp: 985

Ion Ratio Lower Upper

96 100

61 1703.1 126.1 234.1#

63 13950.8 96.8 179.8#



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

100000

80000

60000

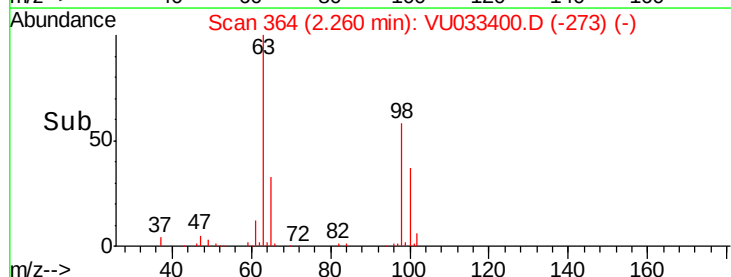
40000

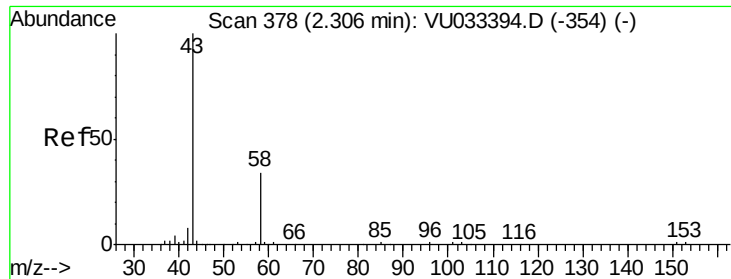
20000

0

2.22 2.24 2.26 2.28

Time-->





#13

Acetone

Concen: 7.891 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033400.D

Acq: 25 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

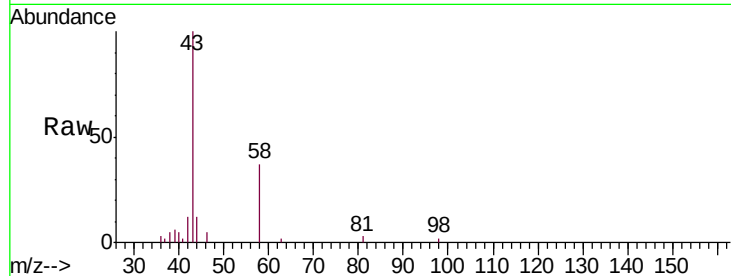
F2A03

Tgt Ion: 43 Resp: 11823

Ion Ratio Lower Upper

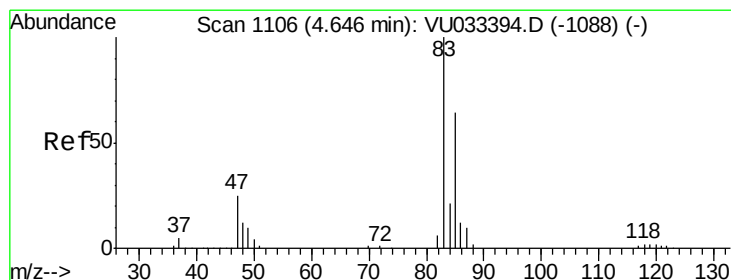
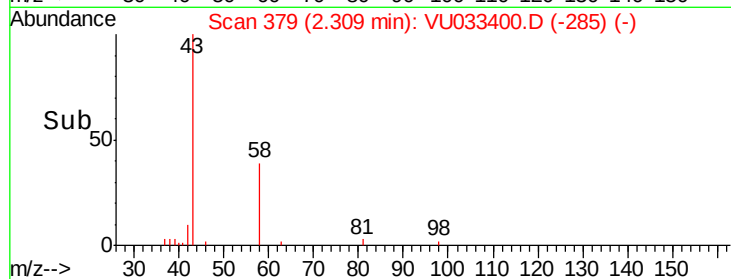
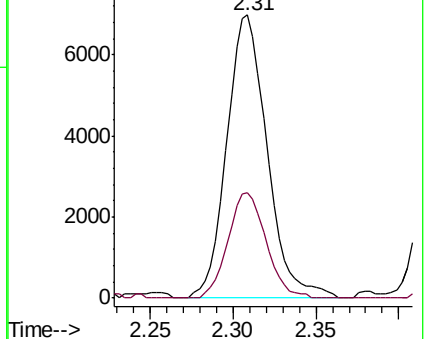
43 100

58 35.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033394.D (-354) (-)

Ion 58.00 (57.70 to 58.70): VU033394.D (-354) (-)



#25

Chloroform

Concen: 0.711 ug/L

RT: 4.64 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VU033400.D

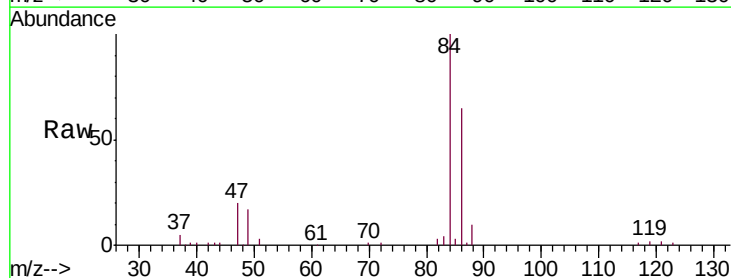
Acq: 25 Jul 2019 11:18

Tgt Ion: 83 Resp: 2506

Ion Ratio Lower Upper

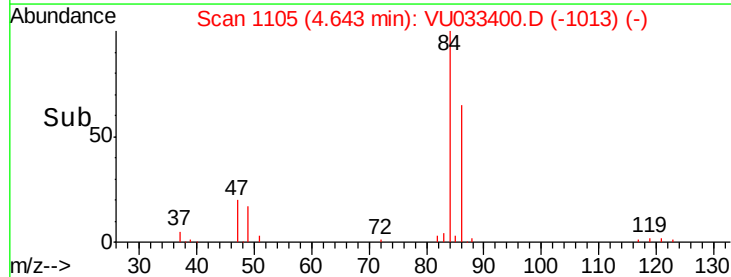
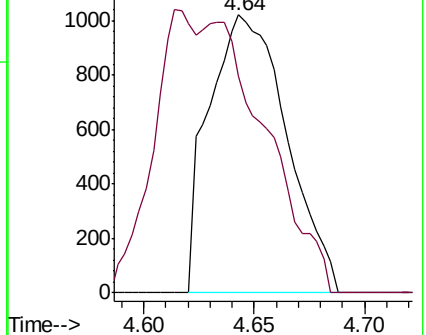
83 100

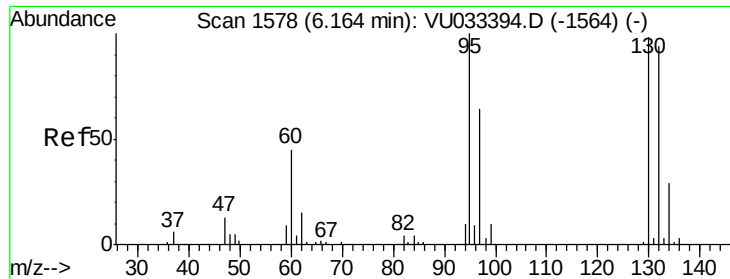
85 77.9 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU033394.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU033394.D (-1088) (-)

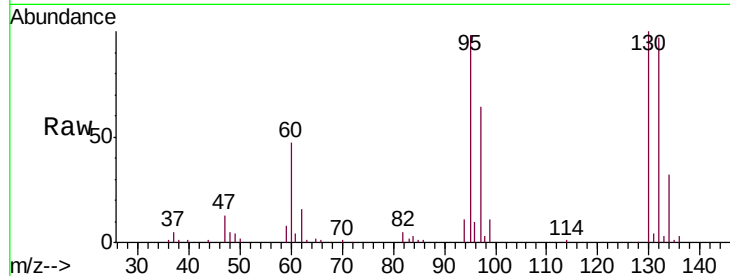




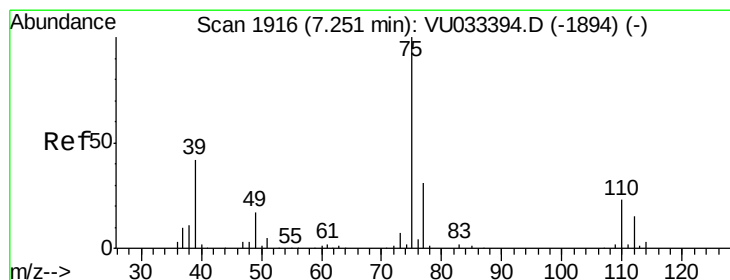
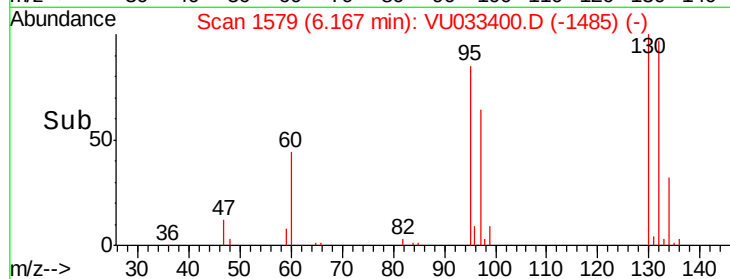
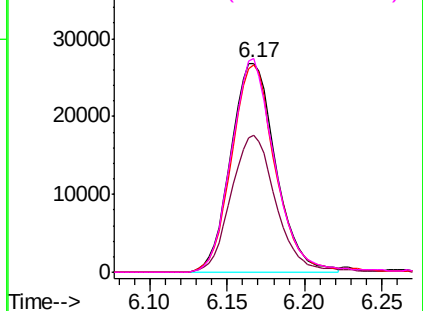
#34
 Trichloroethene
 Concen: 27.851 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033400.D
 Acq: 25 Jul 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 F2A03

Tgt Ion: 95 Resp: 54283
 Ion Ratio Lower Upper
 95 100
 97 65.7 43.8 81.4
 132 99.4 65.5 121.6
 130 102.1 69.7 129.5

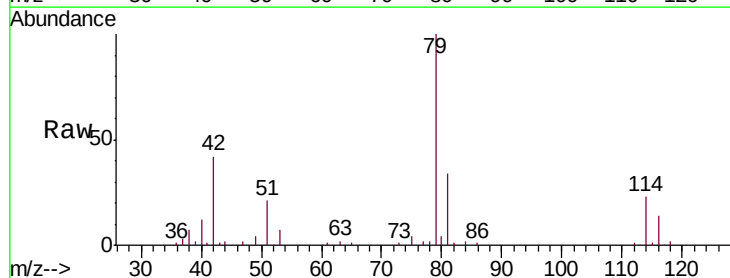


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

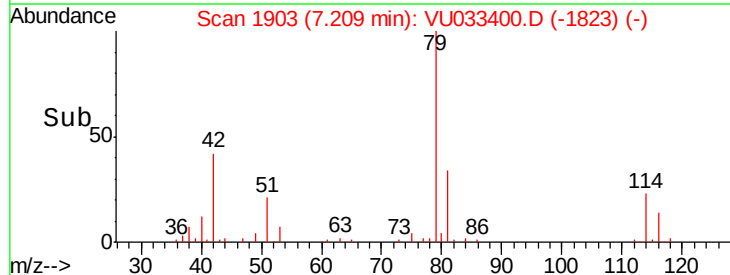
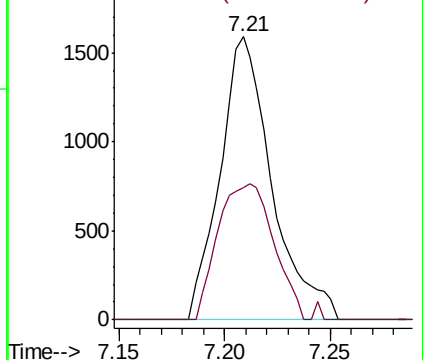


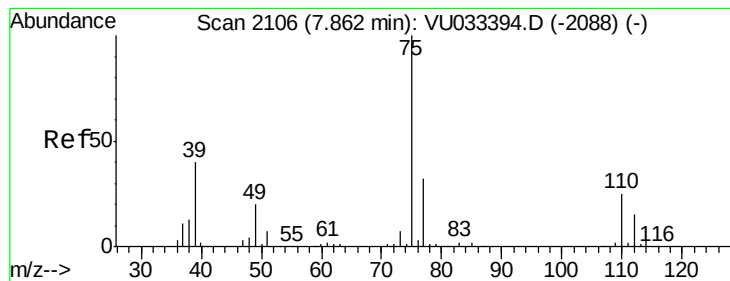
#39
 cis-1,3-Dichloropropene
 Concen: 0.876 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033400.D
 Acq: 25 Jul 2019 11:18

Tgt Ion: 75 Resp: 2714
 Ion Ratio Lower Upper
 75 100
 77 46.7 23.1 42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.729 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033400.D

Acq: 25 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampled :

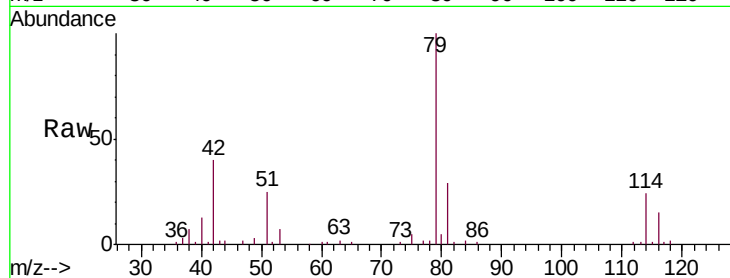
F2A03

Tgt Ion: 75 Resp: 2036

Ion Ratio Lower Upper

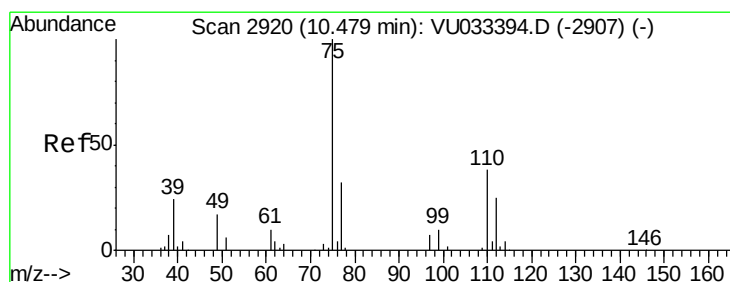
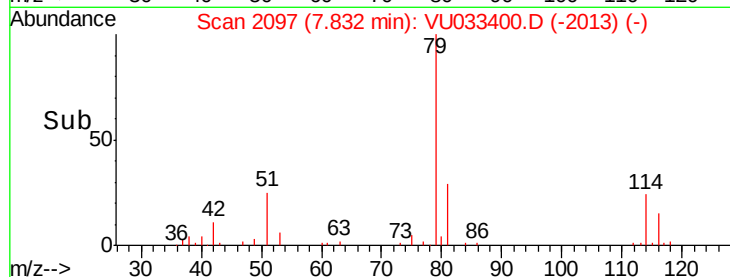
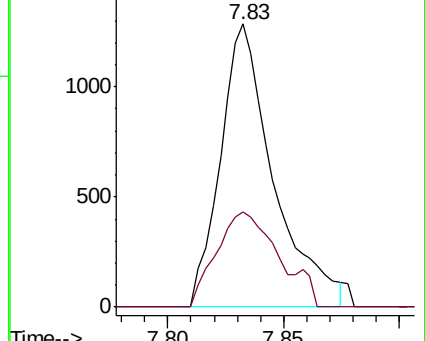
75 100

77 33.5 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU033394.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033394.D (-2088) (-)



#59

1,2,3-Trichloropropane

Concen: 5.115 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033400.D

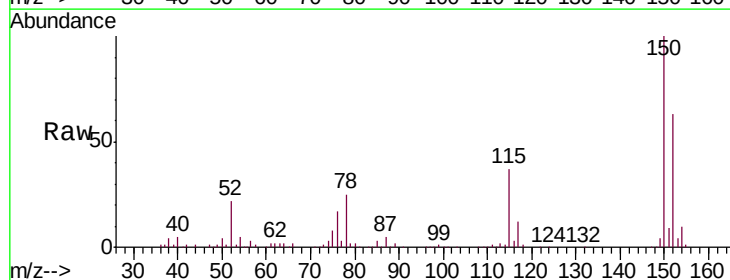
Acq: 25 Jul 2019 11:18

Tgt Ion: 75 Resp: 13459

Ion Ratio Lower Upper

75 100

77 35.4 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU033394.D (-2907) (-)

Ion 77.00 (76.70 to 77.70): VU033394.D (-2907) (-)

