

Data File : VU033422.D
Acq On : 25 Jul 2019 20:19
Operator : JC/SP
Sample : K3957-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2A30

Quant Time: Jul 26 05:53:47 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	276849	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	281844	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	121178	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	127621	60.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	121.80%
7) Chloroethane-d5	1.67	69	112096	62.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	125.22%
11) 1,1-Dichloroethene-d2	2.25	63	170054	44.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.46%
21) 2-Butanone-d5	4.15	46	143361	107.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.96%
24) Chloroform-d	4.62	84	178330	50.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.54%
26) 1,2-Dichloroethane-d4	5.29	65	130864	58.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.18%
32) Benzene-d6	5.32	84	403519	58.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.72%
36) 1,2-Dichloropropane-d6	6.31	67	127900	57.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.50%
41) Toluene-d8	7.55	98	361686	55.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.94%
43) trans-1,3-Dichloropropene-	7.83	79	58000	53.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.80%
47) 2-Hexanone-d5	8.29	63	109469	109.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.64%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	188509	56.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	134988	62.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	124.92%#

Target Compounds

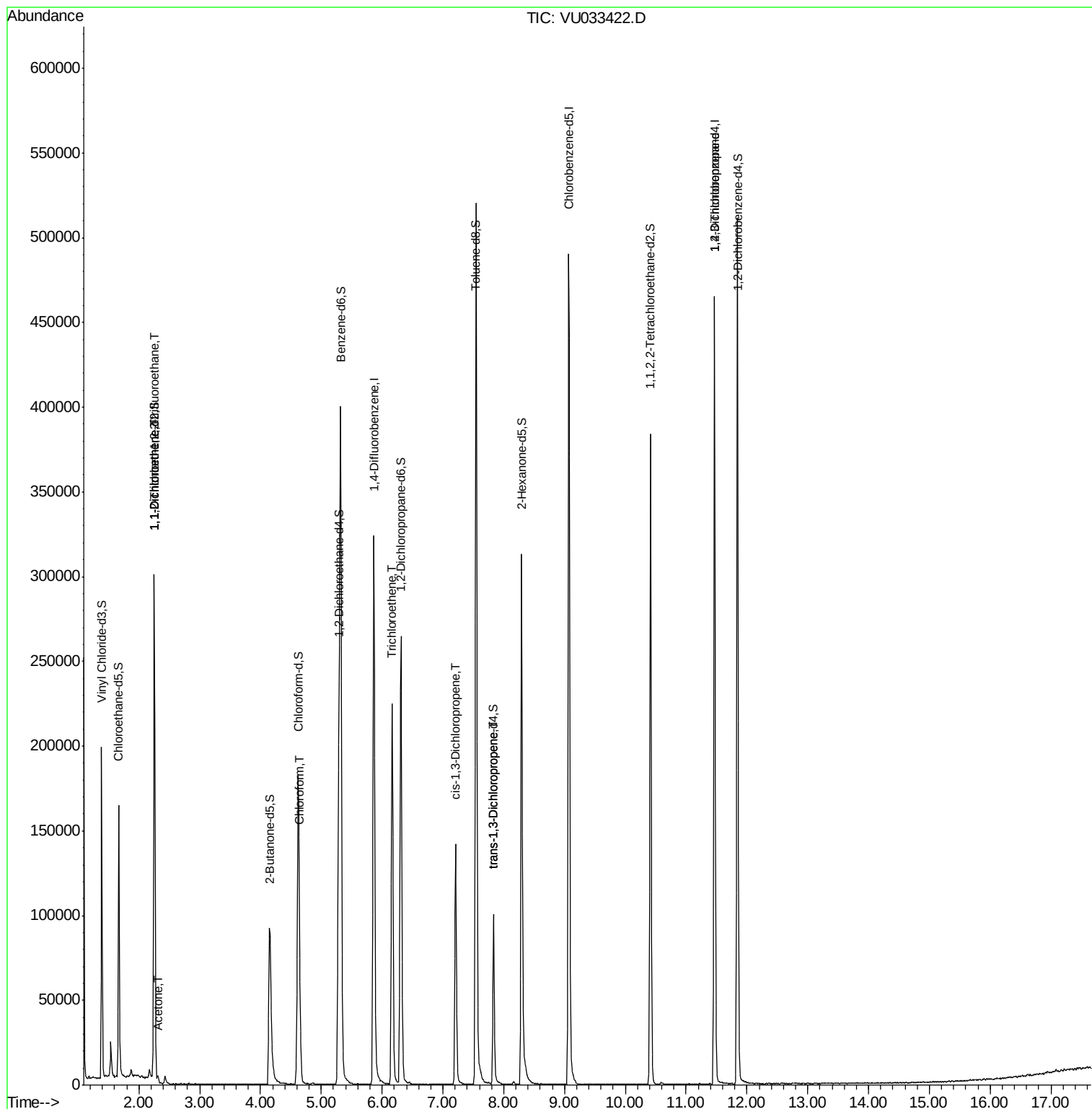
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1474	0.780 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1281	0.693 ug/L #	1
13) Acetone	2.31	43	2294	1.383 ug/L	85
25) Chloroform	4.65	83	22465	5.754 ug/L	97
34) Trichloroethene	6.16	95	78660	36.593 ug/L	99
39) cis-1,3-Dichloropropene	7.21	75	3410	0.998 ug/L #	53
44) trans-1,3-Dichloropropene	7.83	75	2660	0.863 ug/L	84
59) 1,2,3-Trichloropropane	11.47	75	14415	4.967 ug/L #	88

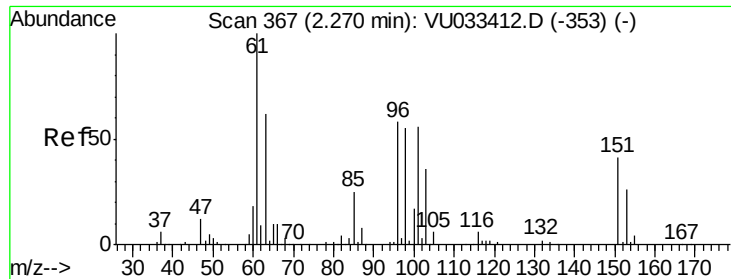
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.780 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033422.D

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Instrument :

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ClientSampleId :

F2A30

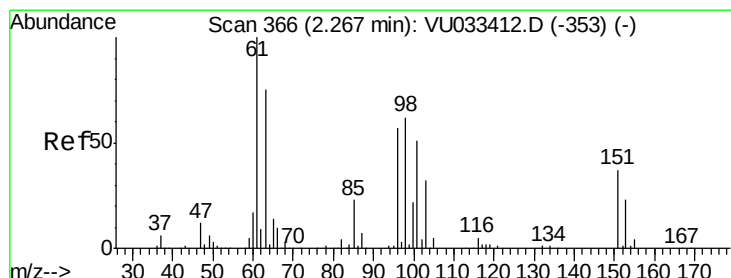
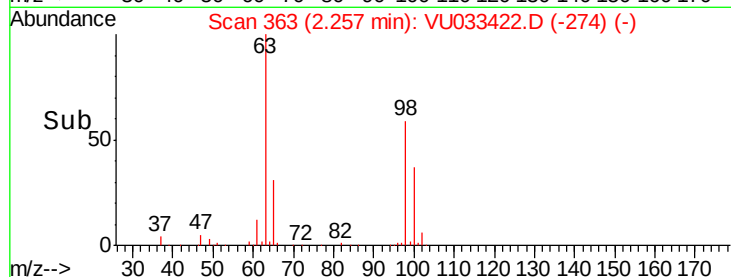
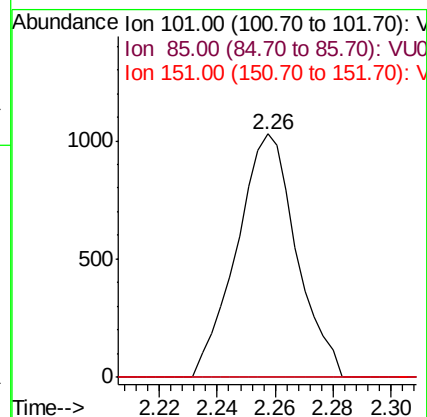
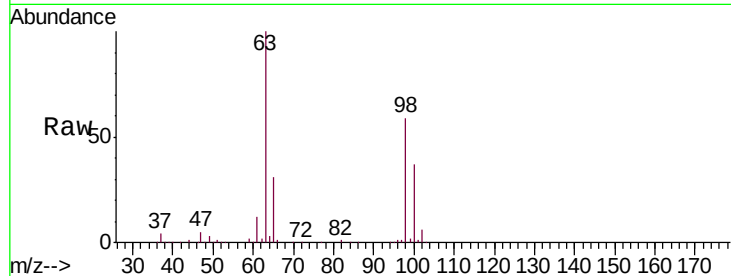
Tgt Ion:101 Resp: 1474

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

151 0.0 56.7 85.1#



#12

1,1-Dichloroethene

Concen: 0.693 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033422.D

Acq: 25 Jul 2019 20:19

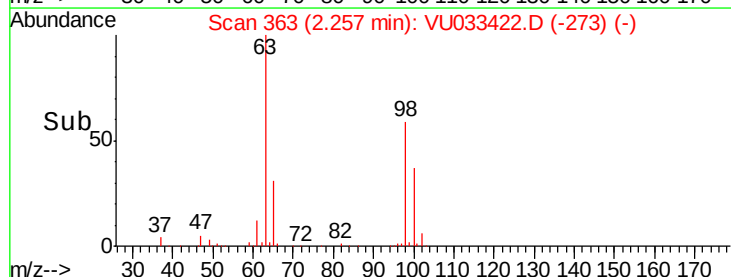
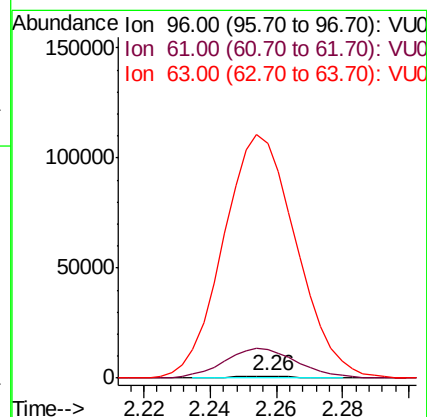
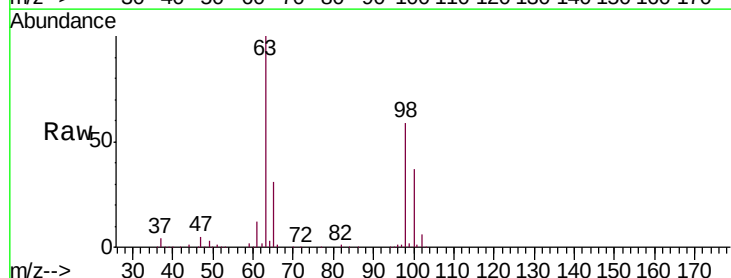
Tgt Ion: 96 Resp: 1281

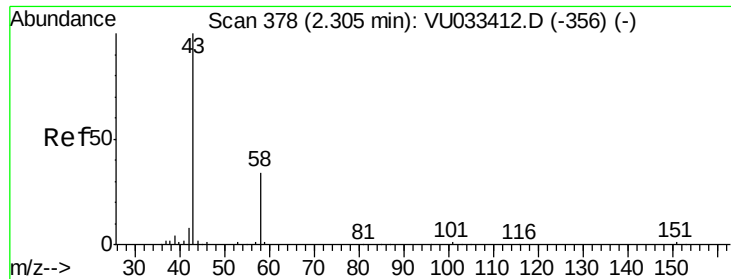
Ion Ratio Lower Upper

96 100

61 1455.2 126.1 234.1#

63 11962.4 96.8 179.8#





#13

Acetone

Concen: 1.383 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033422.D

Acq: 25 Jul 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

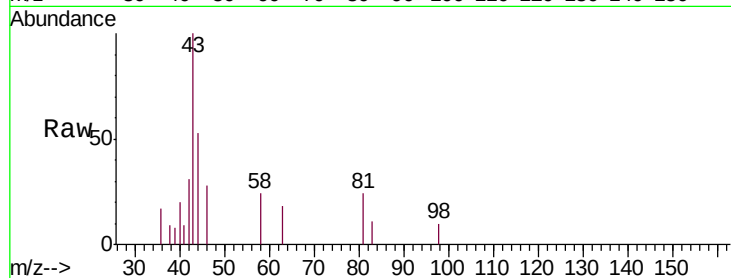
F2A30

Tgt Ion: 43 Resp: 2294

Ion Ratio Lower Upper

43 100

58 24.1 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033412.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU033412.D (-356) (-)

2.31

1500

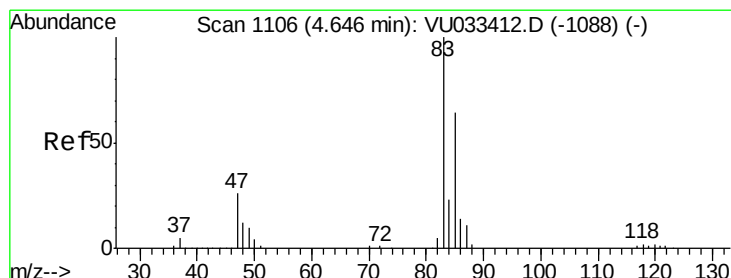
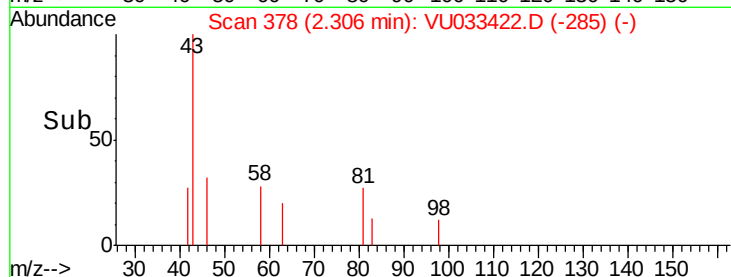
1000

500

0

2.30 2.31 2.32 2.33 2.34 2.35

Time-->



#25

Chloroform

Concen: 5.754 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU033422.D

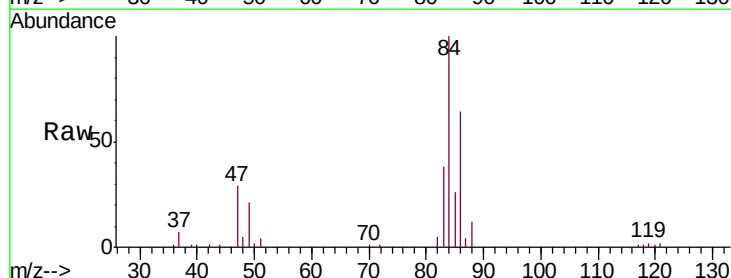
Acq: 25 Jul 2019 20:19

Tgt Ion: 83 Resp: 22465

Ion Ratio Lower Upper

83 100

85 67.5 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU033412.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU033412.D (-1088) (-)

4.65

10000

8000

6000

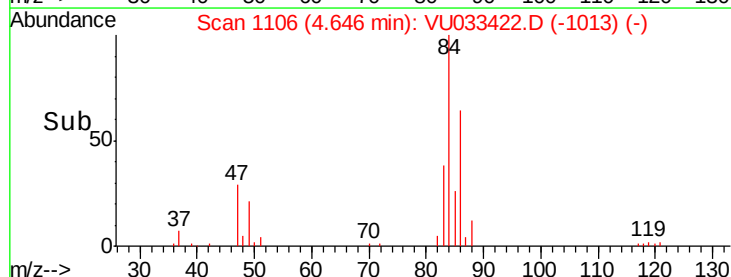
4000

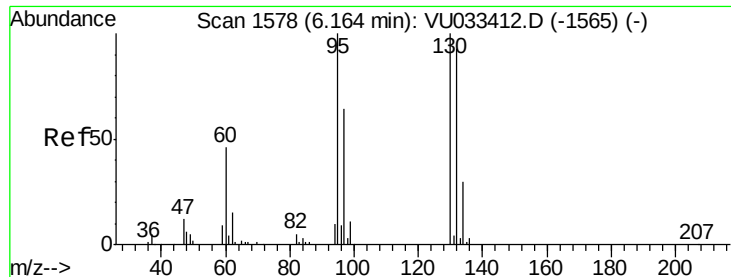
2000

0

4.60 4.61 4.62 4.63 4.64 4.65 4.66 4.67 4.68 4.69 4.70 4.71 4.72 4.73 4.74 4.75

Time-->





#34

Trichloroethene

Concen: 36.593 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033422.D

Acq: 25 Jul 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

F2A30

Tgt Ion: 95 Resp: 78660

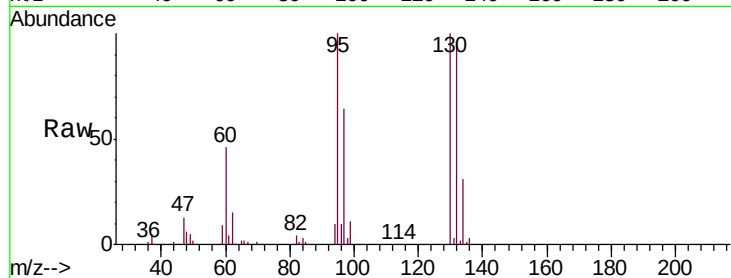
Ion Ratio Lower Upper

95 100

97 63.7 43.8 81.4

132 96.0 65.5 121.6

130 99.8 69.7 129.5

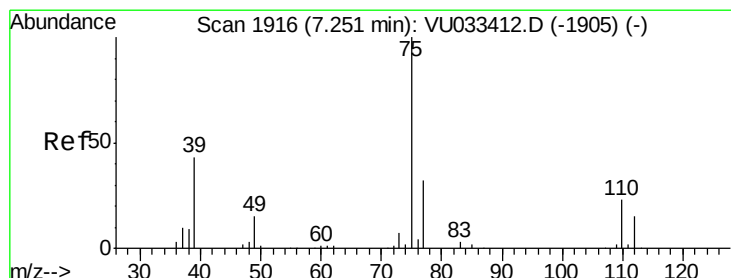
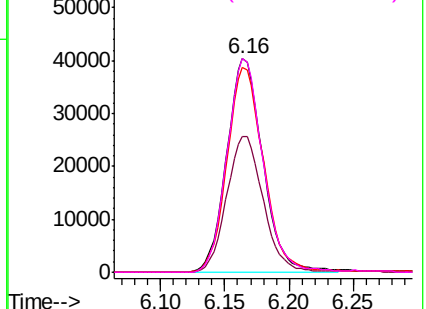
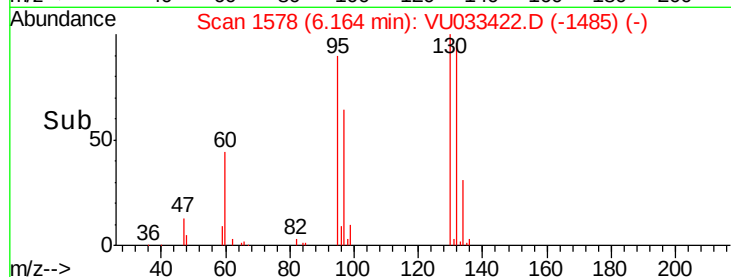


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.998 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033422.D

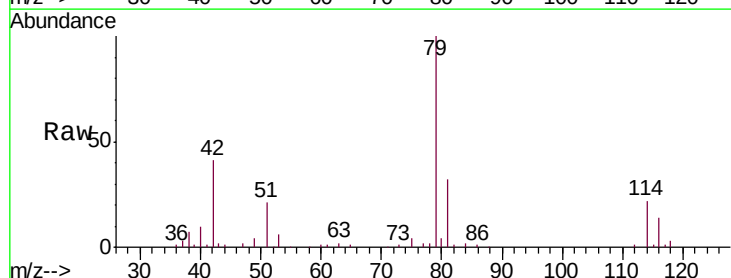
Acq: 25 Jul 2019 20:19

Tgt Ion: 75 Resp: 3410

Ion Ratio Lower Upper

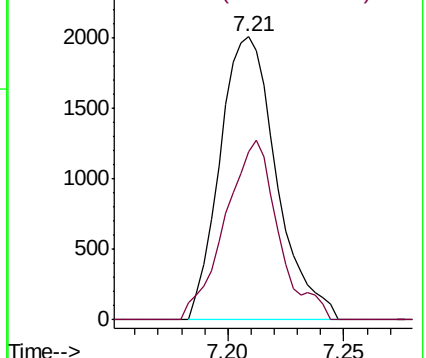
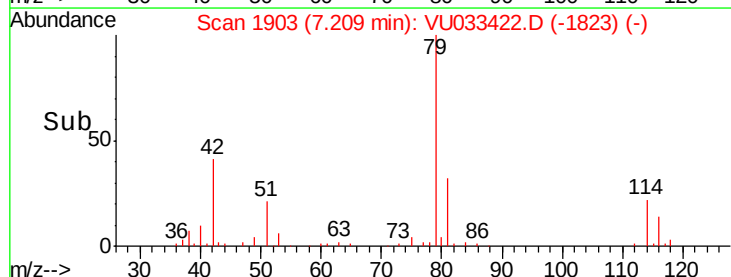
75 100

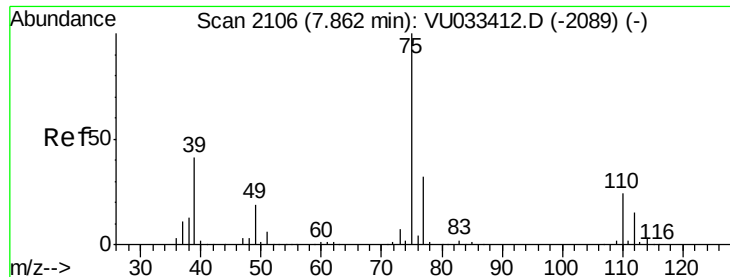
77 59.5 23.1 42.9#



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: 0.863 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033422.D

Acq: 25 Jul 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

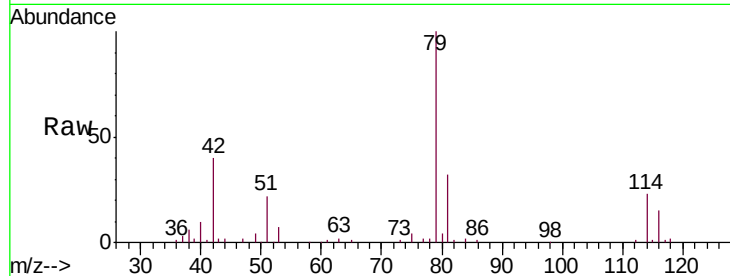
F2A30

Tgt Ion: 75 Resp: 2660

Ion Ratio Lower Upper

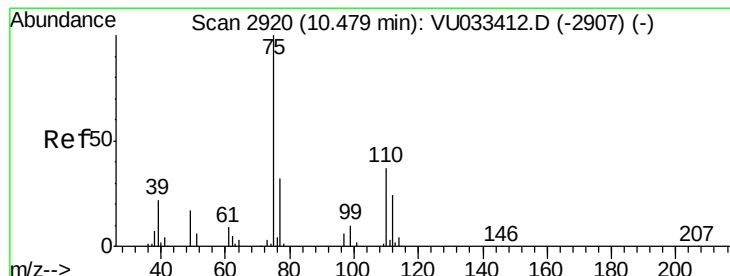
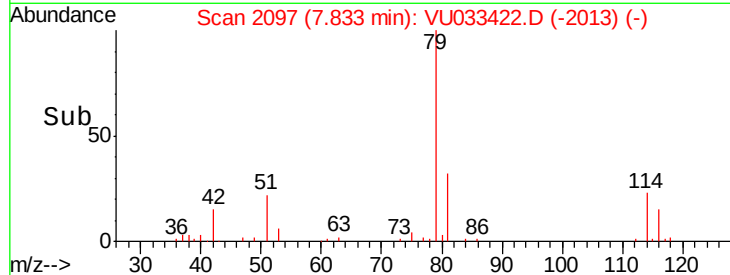
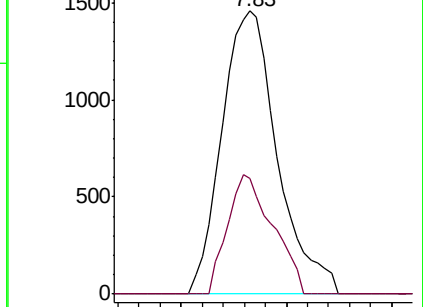
75 100

77 41.0 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU033412.D (-2089) (-)

Ion 77.00 (76.70 to 77.70): VU033412.D (-2089) (-)



#59

1,2,3-Trichloropropane

Concen: 4.967 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033422.D

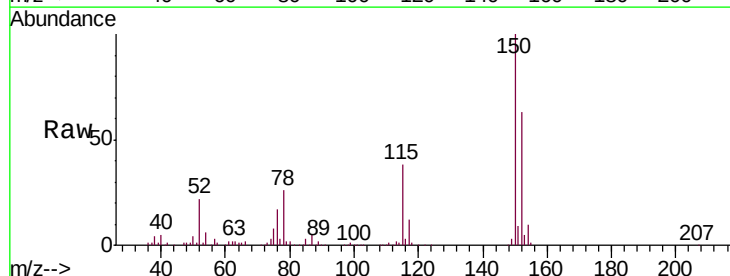
Acq: 25 Jul 2019 20:19

Tgt Ion: 75 Resp: 14415

Ion Ratio Lower Upper

75 100

77 39.2 26.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VU033412.D (-2907) (-)

Ion 77.00 (76.70 to 77.70): VU033412.D (-2907) (-)

