

Data File : VU033417.D
Acq On : 25 Jul 2019 18:25
Operator : JC/SP
Sample : K3957-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2A25

Quant Time: Jul 26 05:53:08 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	276850	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	282515	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	124549	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	129862	61.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	123.92%
7) Chloroethane-d5	1.67	69	112584	62.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	125.76%
11) 1,1-Dichloroethene-d2	2.25	63	174034	45.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.56%
21) 2-Butanone-d5	4.15	46	151548	114.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.13%
24) Chloroform-d	4.62	84	192809	54.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.29	65	134381	59.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.32%
32) Benzene-d6	5.32	84	407243	58.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.52%
36) 1,2-Dichloropropane-d6	6.31	67	129845	58.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.98%
41) Toluene-d8	7.55	98	364542	55.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.56%
43) trans-1,3-Dichloropropene-	7.83	79	59725	54.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.72%
47) 2-Hexanone-d5	8.29	63	109797	109.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.70%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	190471	56.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	137469	61.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.78%#

Target Compounds

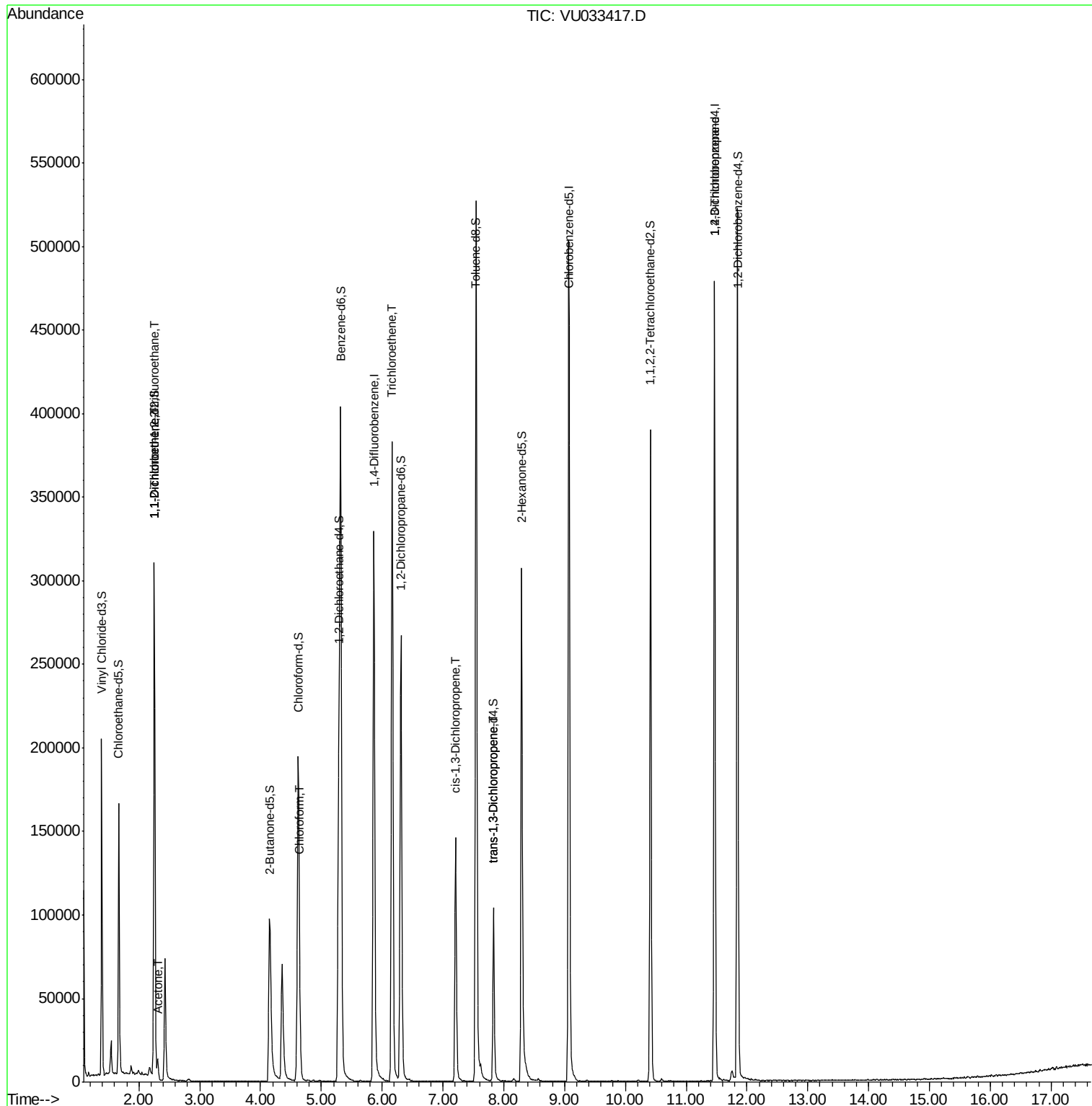
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1537	0.814 ug/L #	21
12) 1,1-Dichloroethene	2.25	96	1650	0.893 ug/L #	1
13) Acetone	2.31	43	11040	6.654 ug/L	98
25) Chloroform	4.65	83	12927	3.311 ug/L	100
34) Trichloroethene	6.16	95	136033	63.133 ug/L	98
39) cis-1,3-Dichloropropene	7.21	75	3918	1.144 ug/L #	65
44) trans-1,3-Dichloropropene	7.83	75	2587	0.837 ug/L	99
59) 1,2,3-Trichloropropane	11.47	75	14958	5.142 ug/L	89

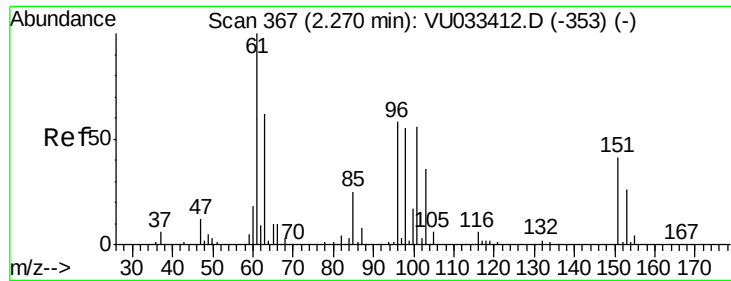
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.814 ug/L

RT: 2.25 min Scan# 361

Delta R.T. -0.02 min

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Instrument :

MSVOA_U

ClientSampleId :

F2A25

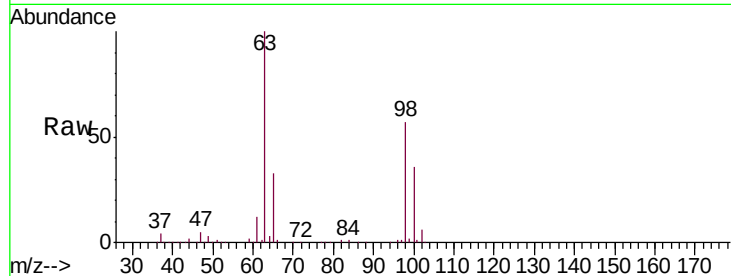
Tgt Ion:101 Resp: 1537

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

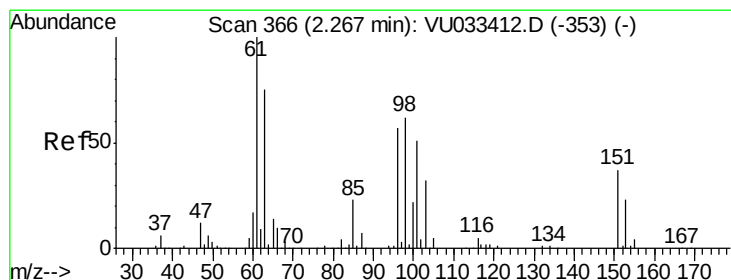
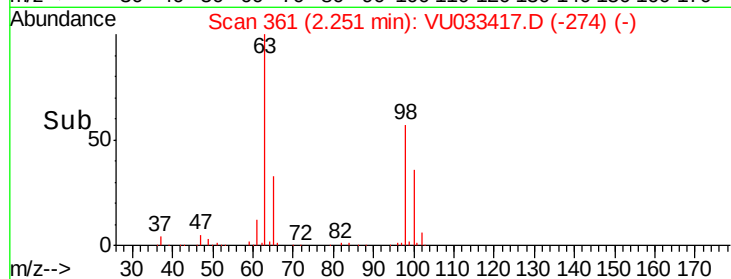
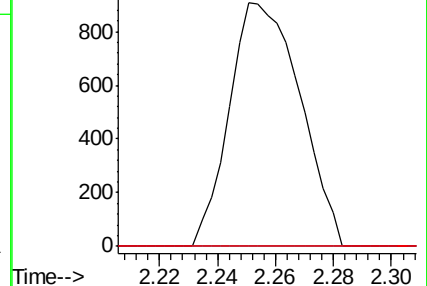
151 0.0 56.7 85.1#



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



#12

1,1-Dichloroethene

Concen: 0.893 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.01 min

Lab File: VU033417.D

Acq: 25 Jul 2019 18:25

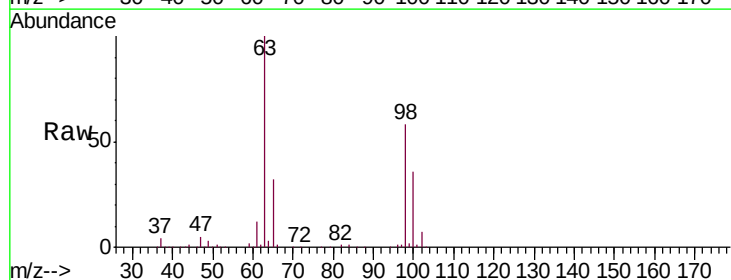
Tgt Ion: 96 Resp: 1650

Ion Ratio Lower Upper

96 100

61 1278.5 126.1 234.1#

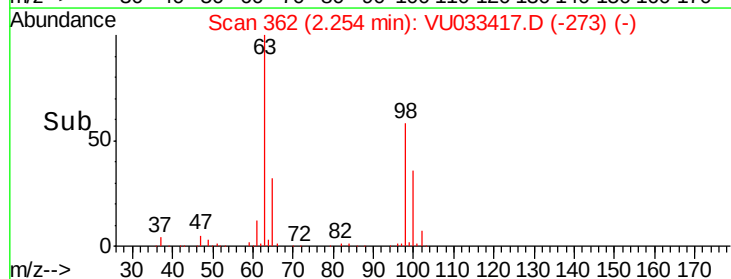
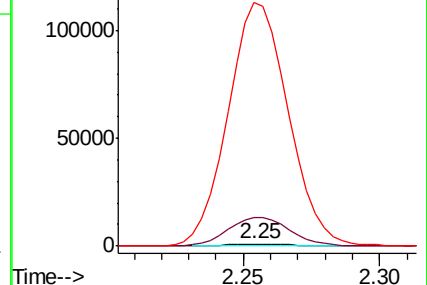
63 10787.4 96.8 179.8#

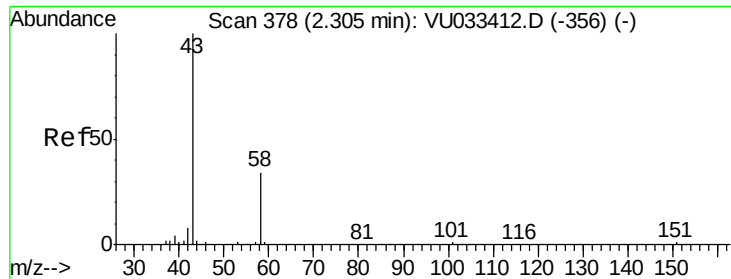


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.654 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

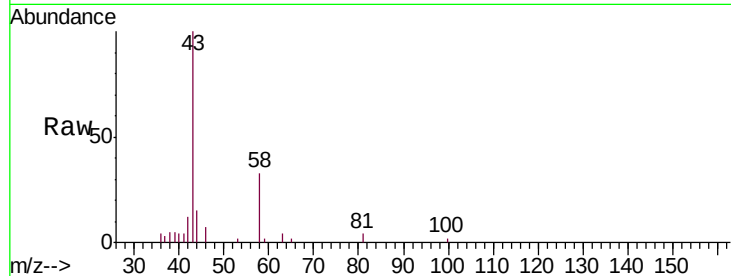
F2A25

Tgt Ion: 43 Resp: 11040

Ion Ratio Lower Upper

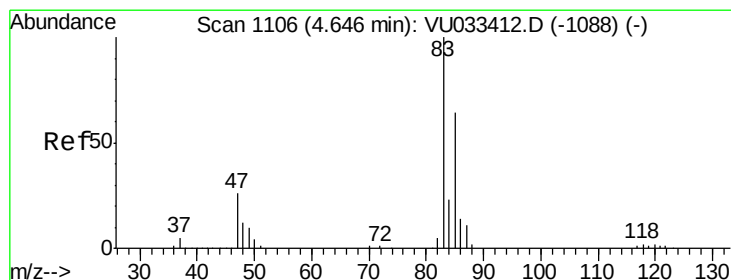
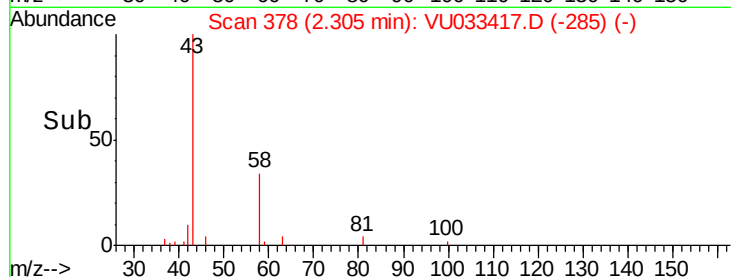
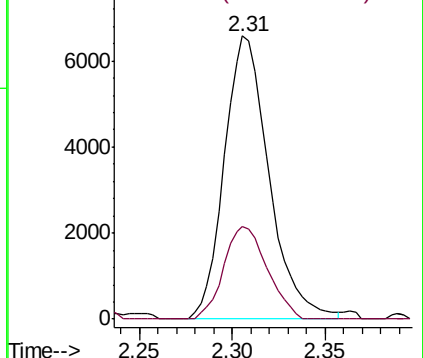
43 100

58 31.6 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033417.D (-1013) (-)

Ion 58.00 (57.70 to 58.70): VU033417.D (-1013) (-)



#25

Chloroform

Concen: 3.311 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033417.D

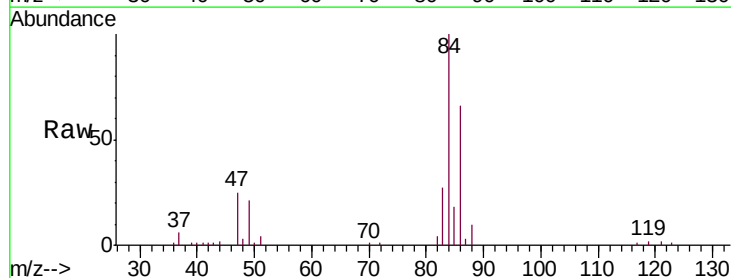
Acq: 25 Jul 2019 18:25

Tgt Ion: 83 Resp: 12927

Ion Ratio Lower Upper

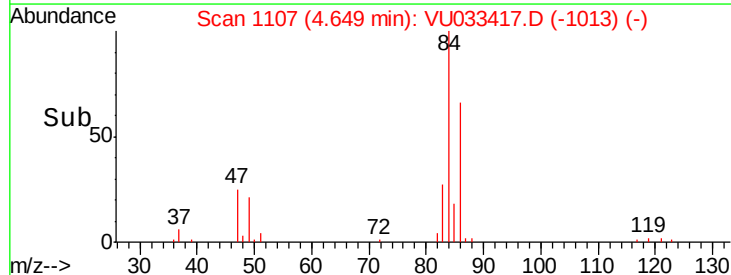
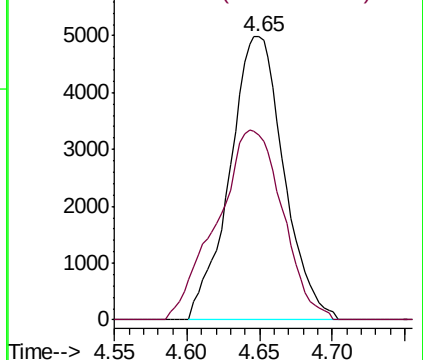
83 100

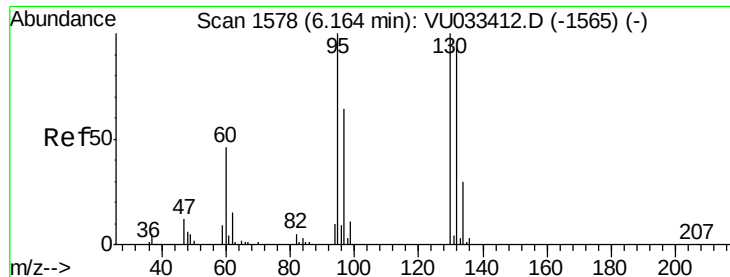
85 65.2 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU033417.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VU033417.D (-1013) (-)





#34

Trichloroethene

Concen: 63.133 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033417.D

Acq: 25 Jul 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

F2A25

Tgt Ion: 95 Resp: 136033

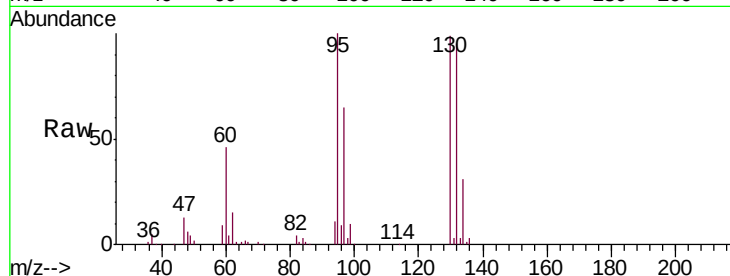
Ion Ratio Lower Upper

95 100

97 65.1 43.8 81.4

132 94.7 65.5 121.6

130 98.7 69.7 129.5

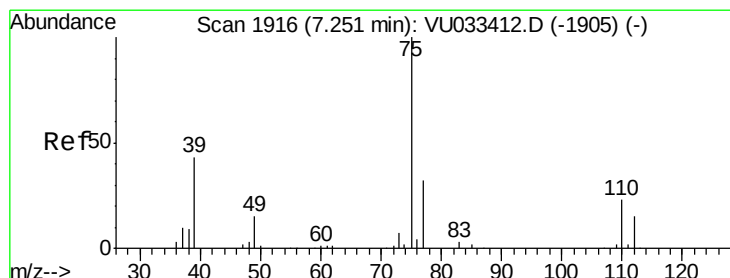
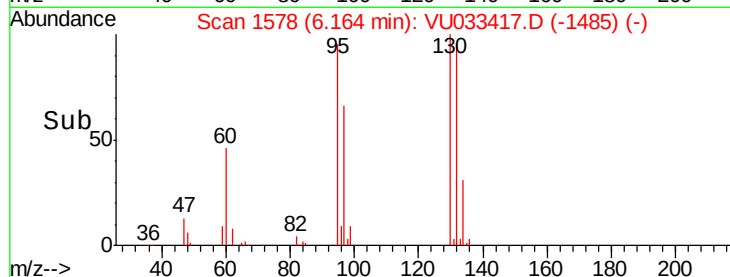
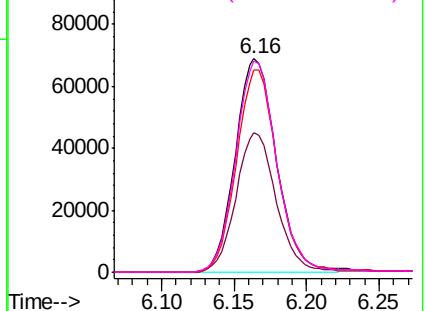


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.144 ug/L

RT: 7.21 min Scan# 1902

Delta R.T. -0.05 min

Lab File: VU033417.D

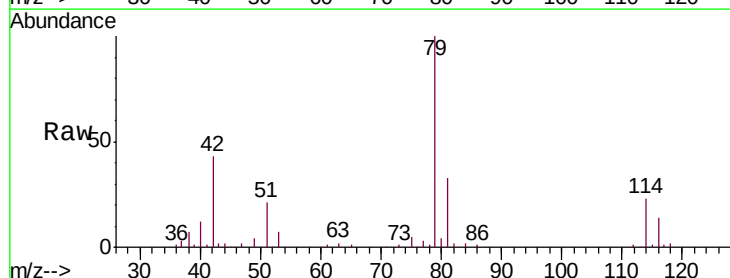
Acq: 25 Jul 2019 18:25

Tgt Ion: 75 Resp: 3918

Ion Ratio Lower Upper

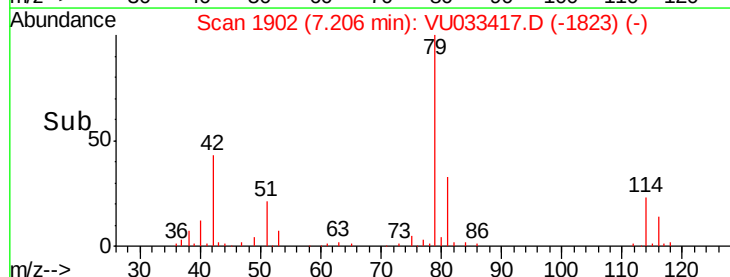
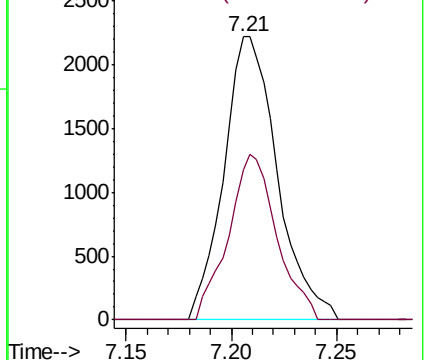
75 100

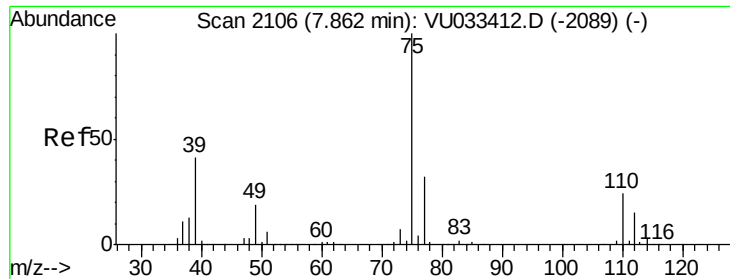
77 53.0 23.1 42.9#



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: 0.837 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033417.D

Acq: 25 Jul 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

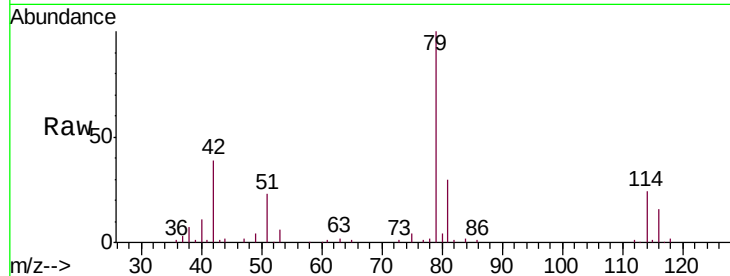
F2A25

Tgt Ion: 75 Resp: 2587

Ion Ratio Lower Upper

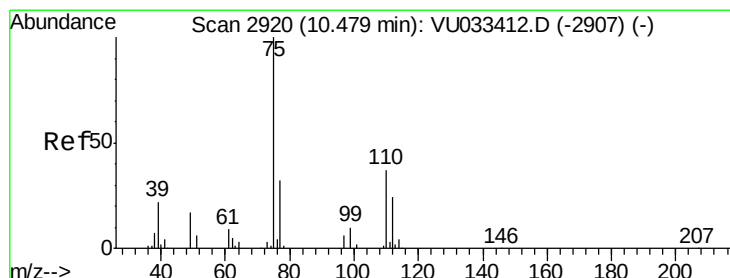
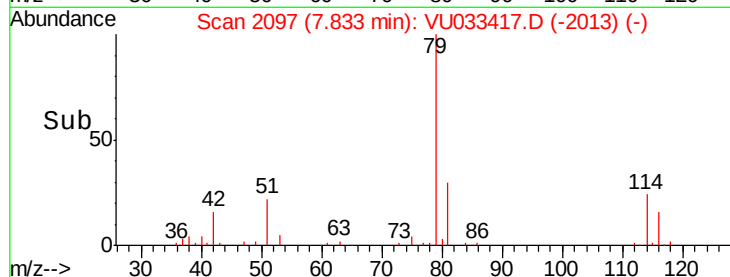
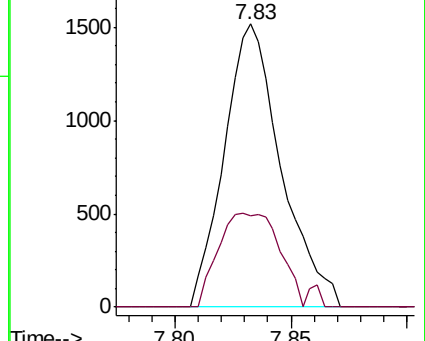
75 100

77 32.3 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.142 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033417.D

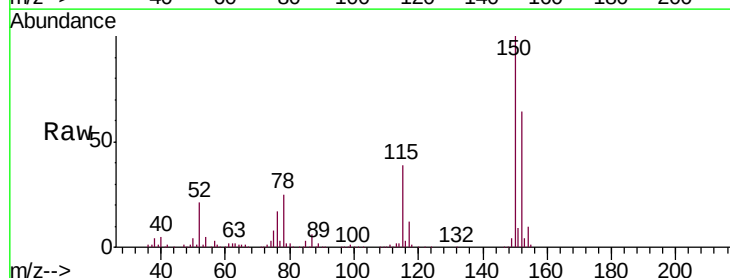
Acq: 25 Jul 2019 18:25

Tgt Ion: 75 Resp: 14958

Ion Ratio Lower Upper

75 100

77 38.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

