

Data File : VU033421.D
Acq On : 25 Jul 2019 19:56
Operator : JC/SP
Sample : K3957-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2A15

Quant Time: Jul 26 05:53:39 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	274452	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	279362	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	121223	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	121001	58.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	116.48%
7) Chloroethane-d5	1.67	69	104269	58.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.50%
11) 1,1-Dichloroethene-d2	2.26	63	156534	41.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.08%
21) 2-Butanone-d5	4.15	46	145243	110.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.33%
24) Chloroform-d	4.62	84	187246	53.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.56%
26) 1,2-Dichloroethane-d4	5.28	65	125530	56.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.42%
32) Benzene-d6	5.32	84	380246	55.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.96%
36) 1,2-Dichloropropane-d6	6.31	67	121481	55.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.68%
41) Toluene-d8	7.55	98	343462	53.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.30%
43) trans-1,3-Dichloropropene-	7.83	79	53724	49.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.82%
47) 2-Hexanone-d5	8.29	63	100765	101.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.82%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	177535	53.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.86%
64) 1,2-Dichlorobenzene-d4	11.85	152	130500	60.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	120.74%#

Target Compounds

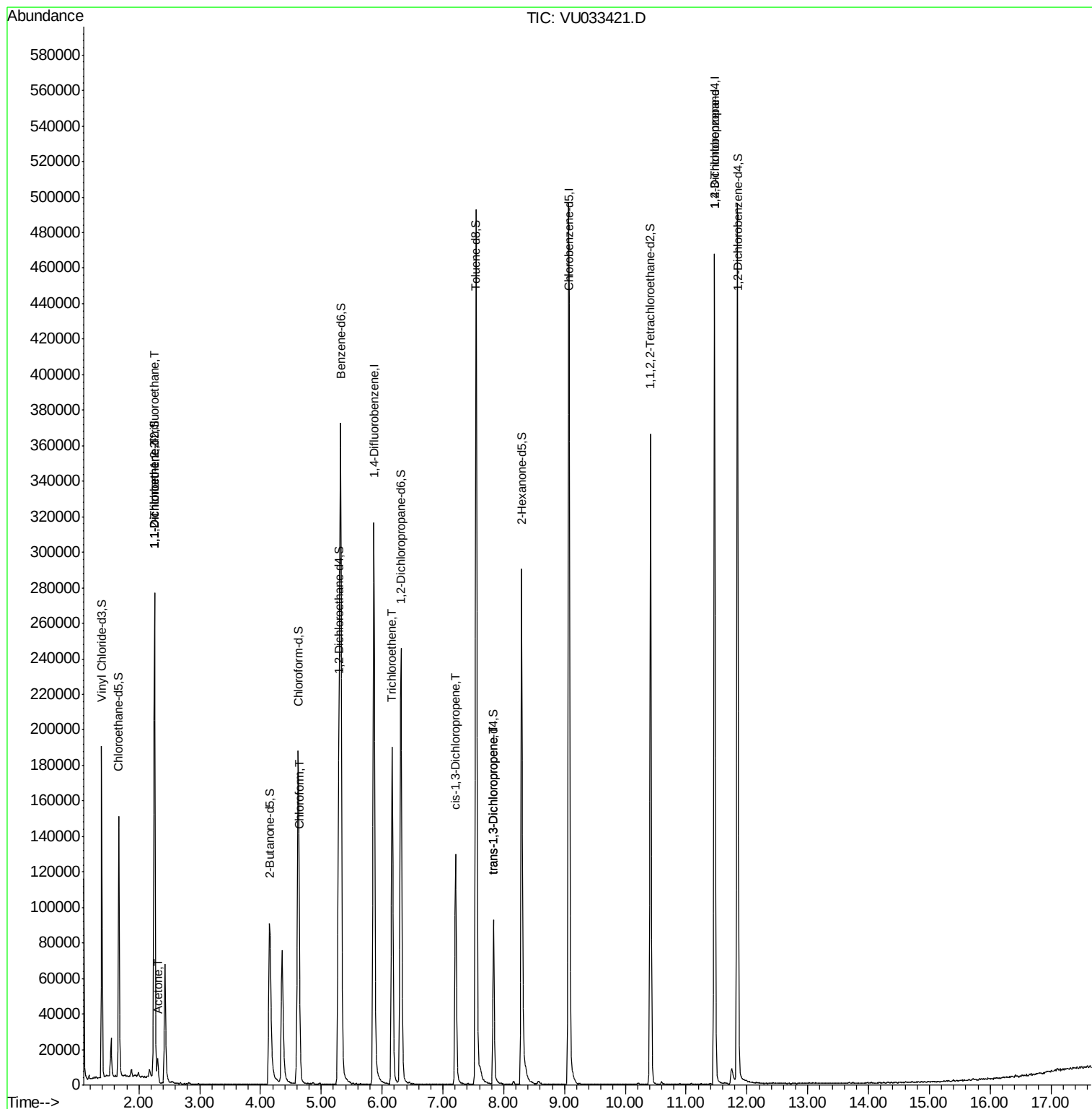
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1481	0.791	ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1375	0.751	ug/L #	1
13) Acetone	2.31	43	12579	7.648	ug/L	99
25) Chloroform	4.65	83	4087	1.056	ug/L	97
34) Trichloroethene	6.16	95	67077	31.482	ug/L	98
39) cis-1,3-Dichloropropene	7.21	75	3496	1.032	ug/L #	70
44) trans-1,3-Dichloropropene	7.83	75	2203	0.721	ug/L	85
59) 1,2,3-Trichloropropane	11.47	75	14792	5.143	ug/L	92

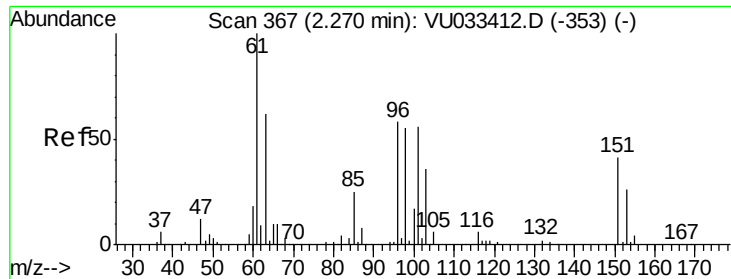
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.791 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

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F2A15

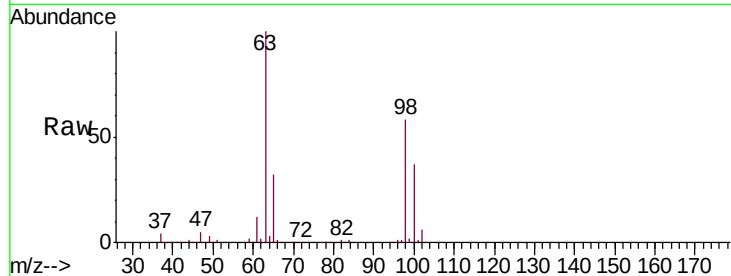
Tgt Ion:101 Resp: 1481

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

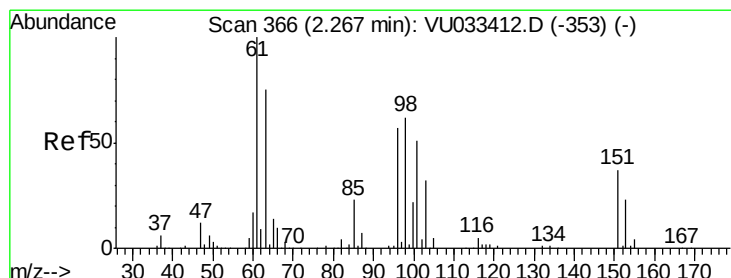
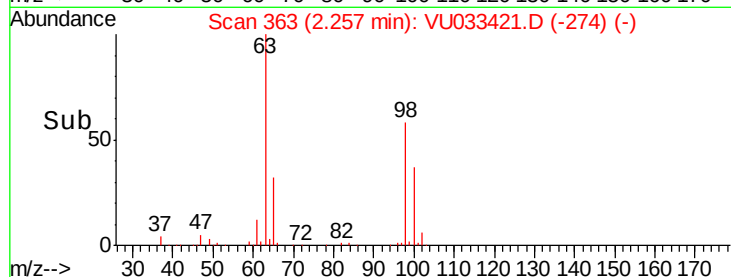
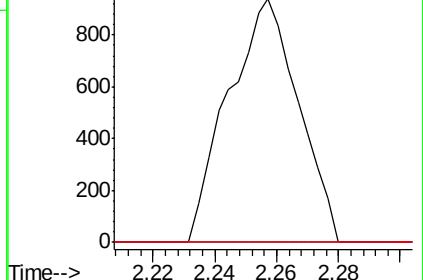
151 0.0 56.7 85.1#



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: 0.751 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033421.D

Acq: 25 Jul 2019 19:56

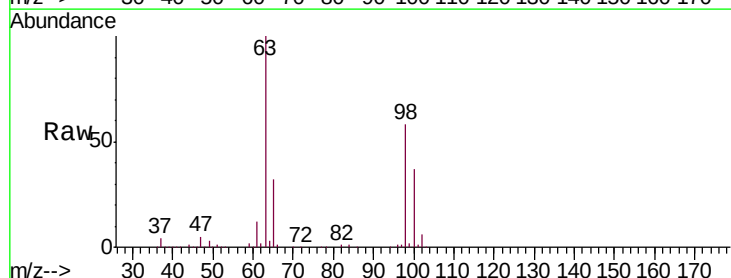
Tgt Ion: 96 Resp: 1375

Ion Ratio Lower Upper

96 100

61 1357.4 126.1 234.1#

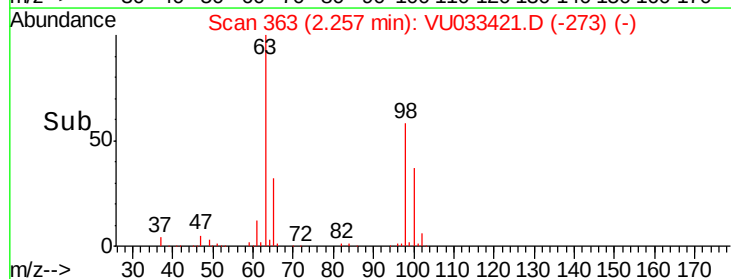
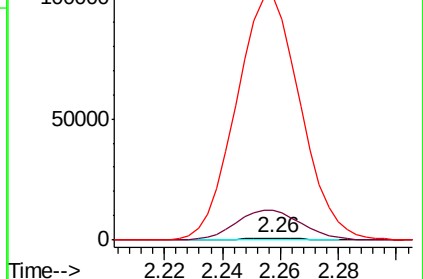
63 11131.7 96.8 179.8#

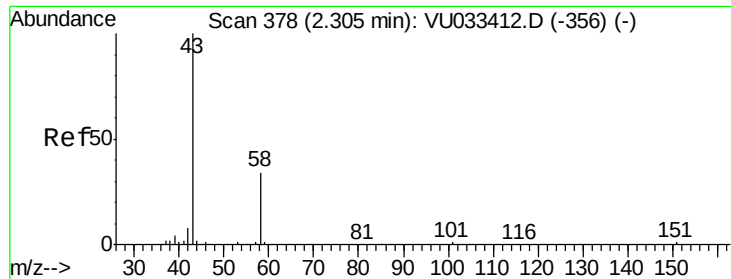


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 7.648 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

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ClientSampleId :

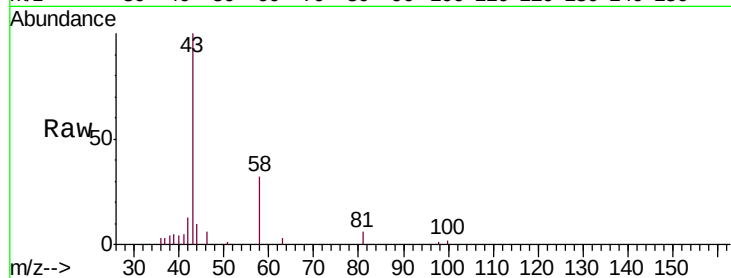
F2A15

Tgt Ion: 43 Resp: 12579

Ion Ratio Lower Upper

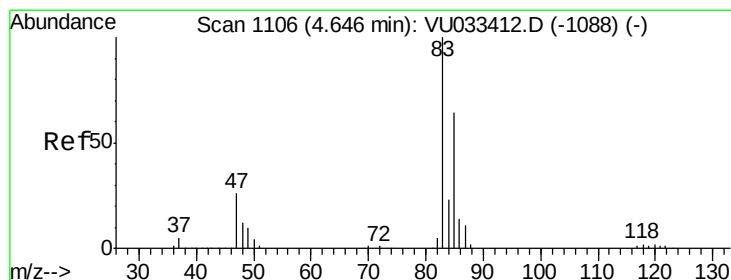
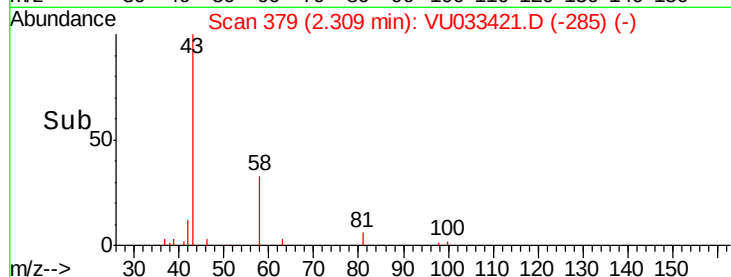
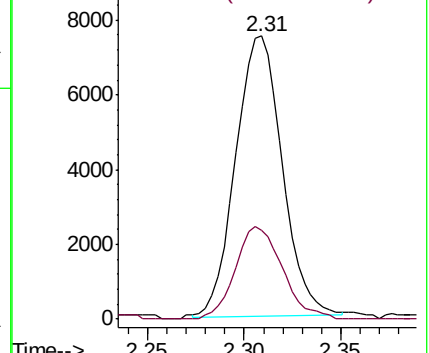
43 100

58 33.3 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033421.D (-379) (-)

Ion 58.00 (57.70 to 58.70): VU033421.D (-379) (-)



#25

Chloroform

Concen: 1.056 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU033421.D

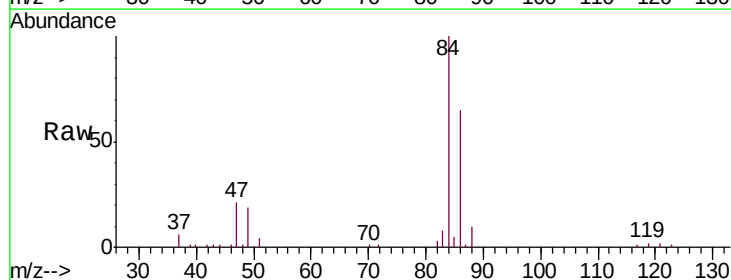
Acq: 25 Jul 2019 19:56

Tgt Ion: 83 Resp: 4087

Ion Ratio Lower Upper

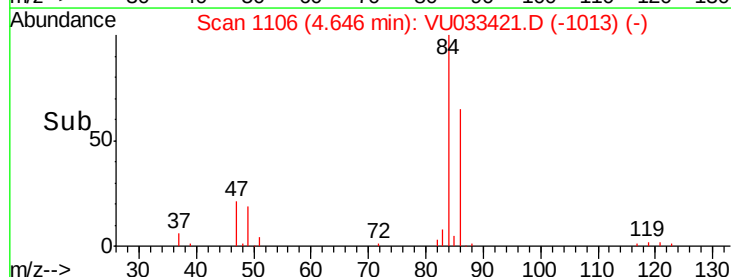
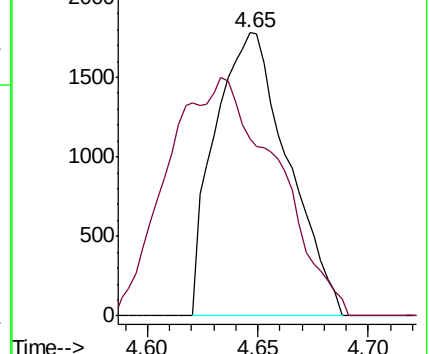
83 100

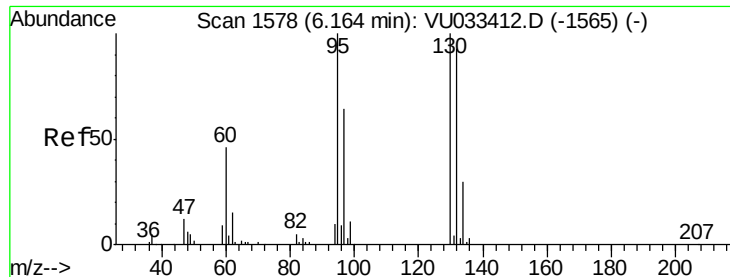
85 62.6 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU033421.D (-1106) (-)

Ion 85.00 (84.70 to 85.70): VU033421.D (-1106) (-)





#34

Trichloroethene

Concen: 31.482 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033421.D

Acq: 25 Jul 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

F2A15

Tgt Ion: 95 Resp: 67077

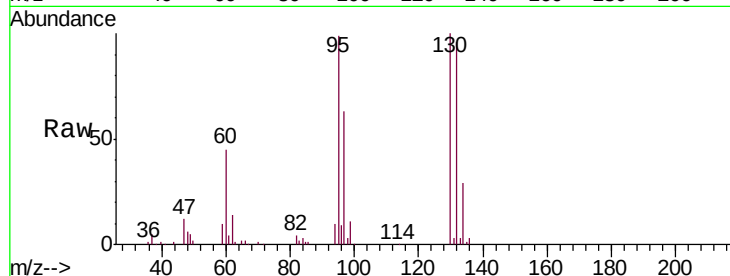
Ion Ratio Lower Upper

95 100

97 63.1 43.8 81.4

132 96.6 65.5 121.6

130 101.0 69.7 129.5

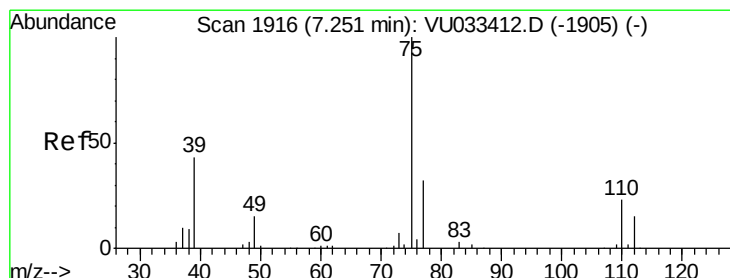
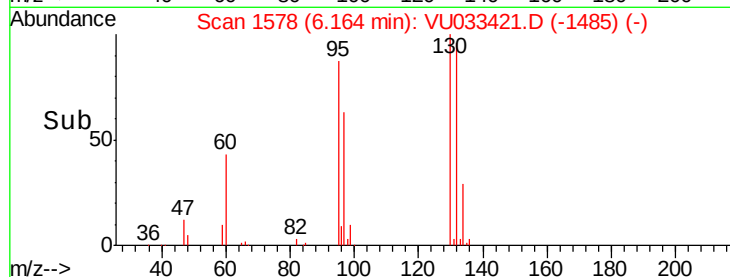
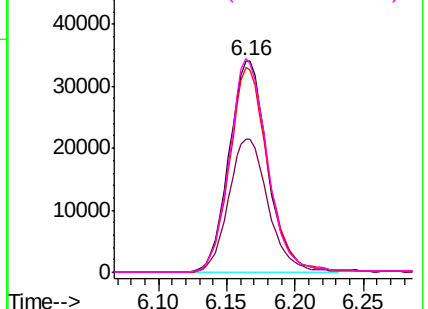


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.032 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033421.D

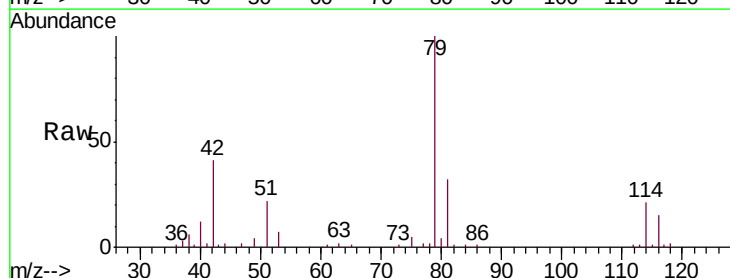
Acq: 25 Jul 2019 19:56

Tgt Ion: 75 Resp: 3496

Ion Ratio Lower Upper

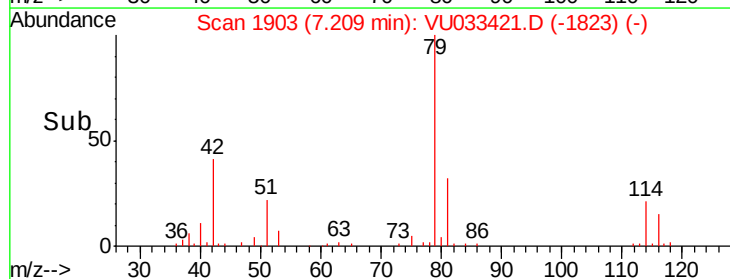
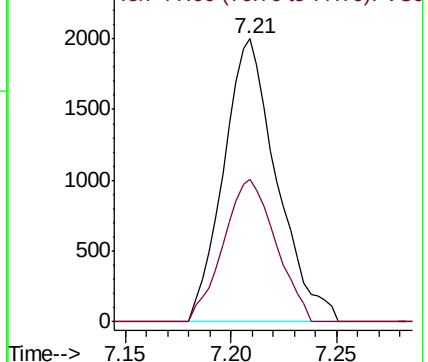
75 100

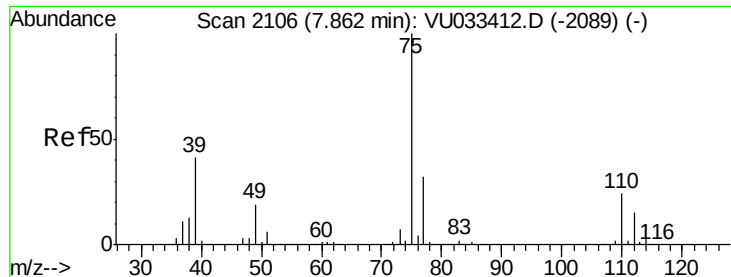
77 50.2 23.1 42.9#



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: 0.721 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU033421.D

Acq: 25 Jul 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

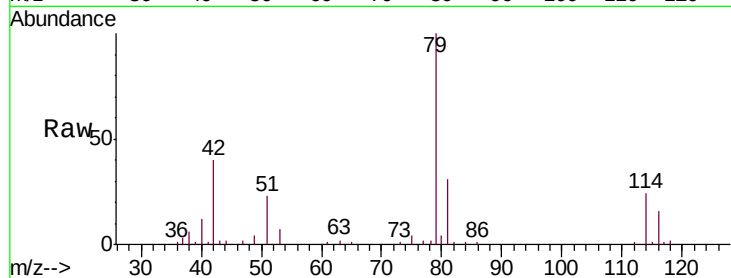
F2A15

Tgt Ion: 75 Resp: 2203

Ion Ratio Lower Upper

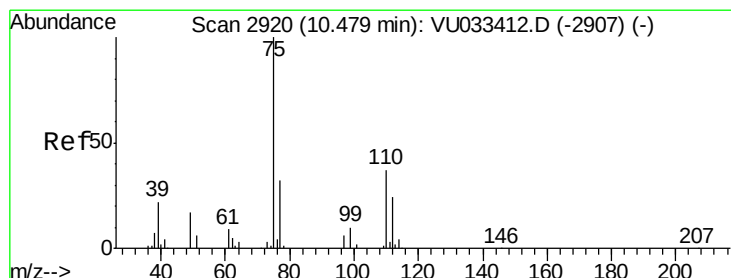
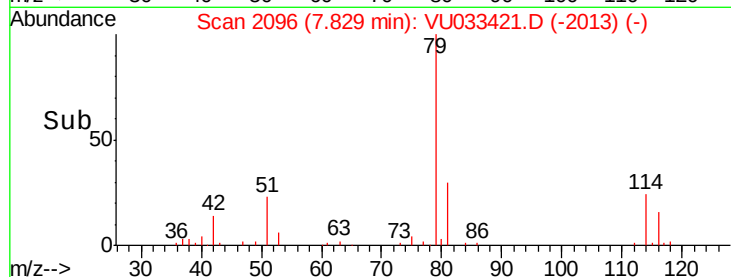
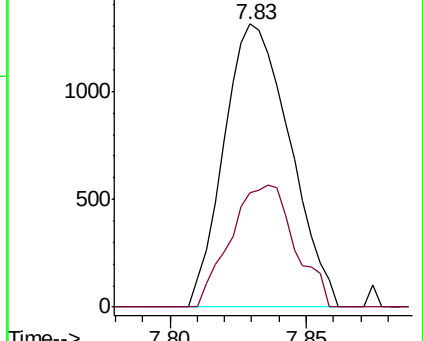
75 100

77 40.6 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU033421.D (-2089) (-)

Ion 77.00 (76.70 to 77.70): VU033421.D (-2089) (-)



#59

1,2,3-Trichloropropane

Concen: 5.143 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033421.D

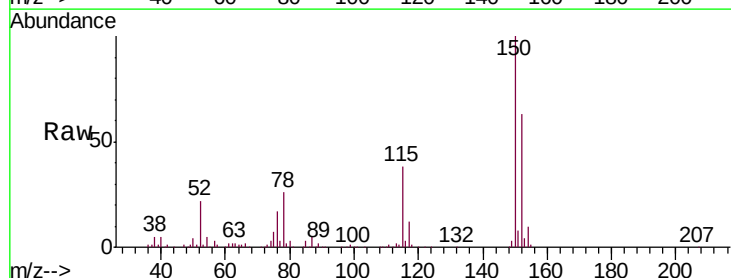
Acq: 25 Jul 2019 19:56

Tgt Ion: 75 Resp: 14792

Ion Ratio Lower Upper

75 100

77 36.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU033421.D (-2298) (-)

Ion 77.00 (76.70 to 77.70): VU033421.D (-2298) (-)

