

Data File : VU033420.D
Acq On : 25 Jul 2019 19:34
Operator : JC/SP
Sample : K3957-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2A14

Quant Time: Jul 26 05:53:31 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	275404	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	280971	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	121405	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	125566	60.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	120.46%
7) Chloroethane-d5	1.67	69	106657	59.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	119.76%
11) 1,1-Dichloroethene-d2	2.25	63	153832	40.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.36%
21) 2-Butanone-d5	4.15	46	148270	112.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.24%
24) Chloroform-d	4.62	84	192139	54.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.98%
26) 1,2-Dichloroethane-d4	5.29	65	126756	56.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.14%
32) Benzene-d6	5.32	84	387672	56.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.48%
36) 1,2-Dichloropropane-d6	6.31	67	125274	56.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.48%
41) Toluene-d8	7.55	98	351025	54.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.00%
43) trans-1,3-Dichloropropene-	7.83	79	55815	51.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.10%
47) 2-Hexanone-d5	8.30	63	102071	102.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.54%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	182130	54.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	131887	60.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	121.84%#

Target Compounds

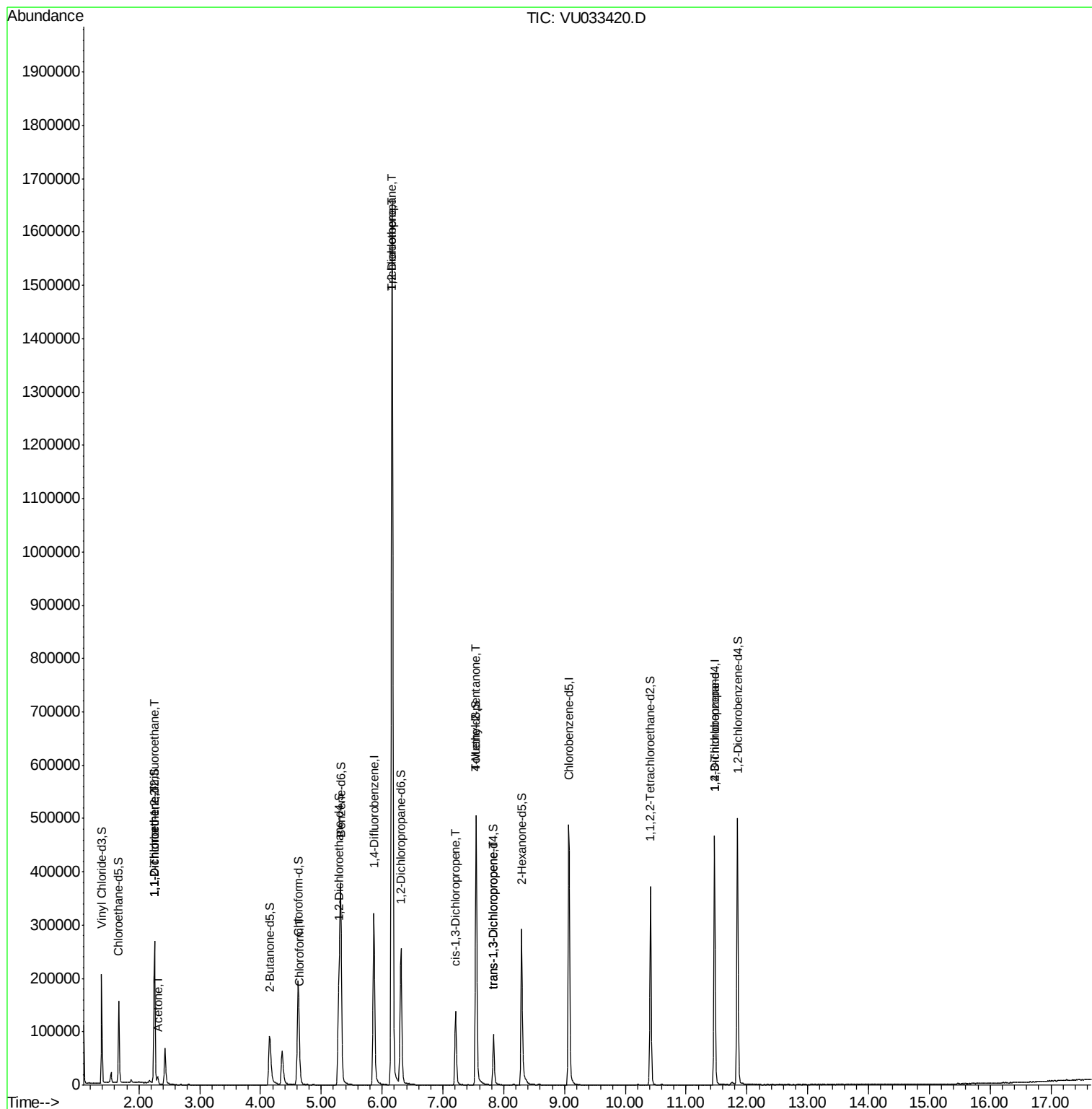
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1237	0.658 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1315	0.715 ug/L #	1
13) Acetone	2.31	43	13574	8.224 ug/L	98
25) Chloroform	4.65	83	9584	2.468 ug/L	97
34) Trichloroethene	6.16	95	573852	267.790 ug/L	99
37) 1,2-Dichloropropane	6.16	63	2087	0.939 ug/L	98
39) cis-1,3-Dichloropropene	7.21	75	3430	1.007 ug/L #	63
40) 4-Methyl-2-pentanone	7.55	43	1416	0.475 ug/L #	1
44) trans-1,3-Dichloropropene	7.83	75	2646	0.861 ug/L	97
59) 1,2,3-Trichloropropane	11.47	75	14608	5.050 ug/L	89

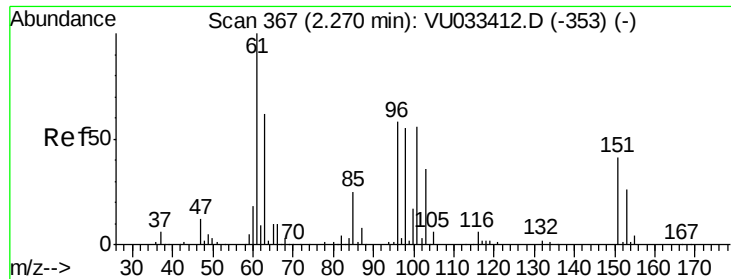
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.658 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033420.D

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Instrument :

MSVOA_U

ClientSampleId :

F2A14

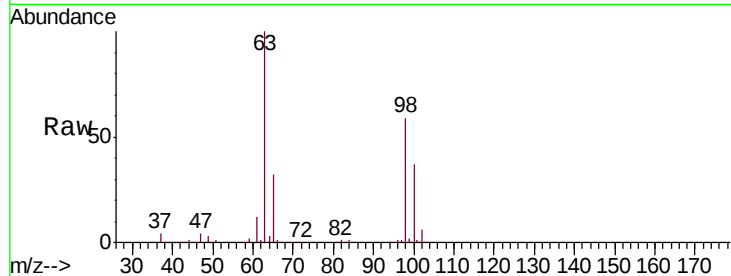
Tgt Ion: 101 Resp: 1237

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

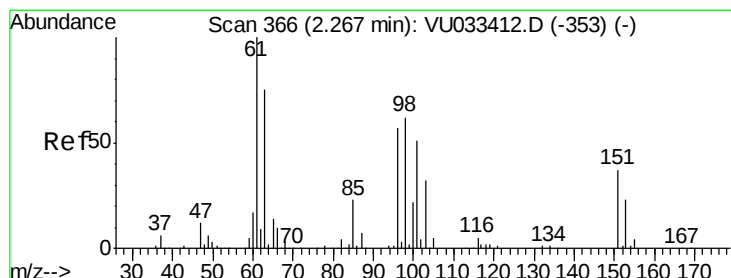
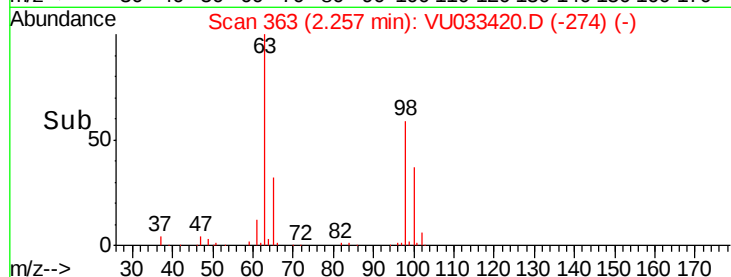
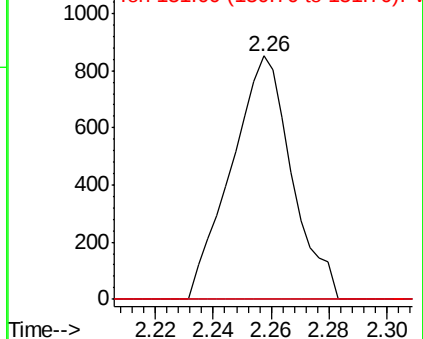
151 0.0 56.7 85.1#



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: 0.715 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033420.D

Acq: 25 Jul 2019 19:34

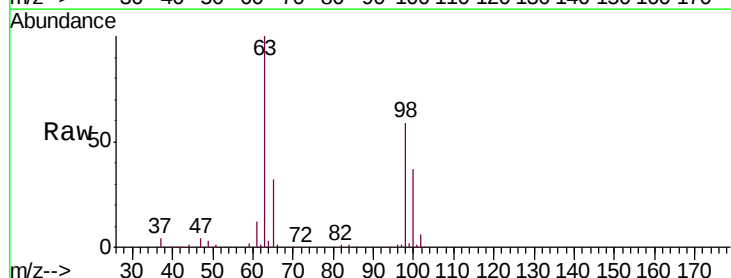
Tgt Ion: 96 Resp: 1315

Ion Ratio Lower Upper

96 100

61 1614.5 126.1 234.1#

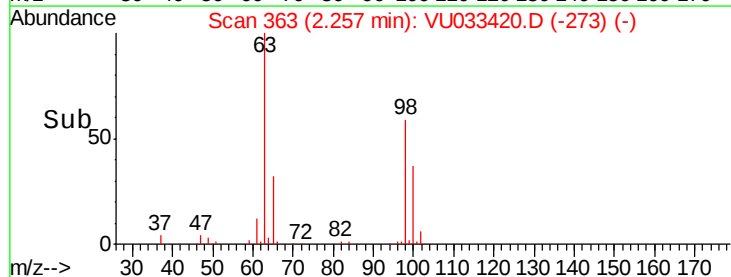
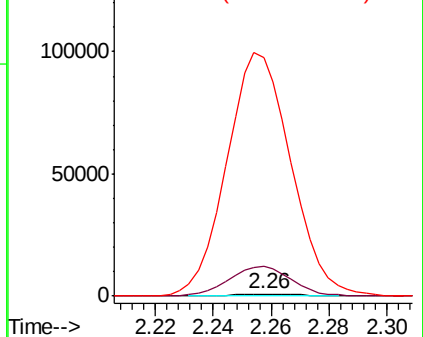
63 12976.1 96.8 179.8#

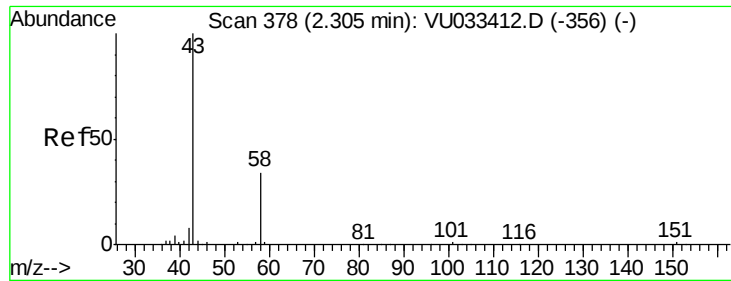


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.224 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

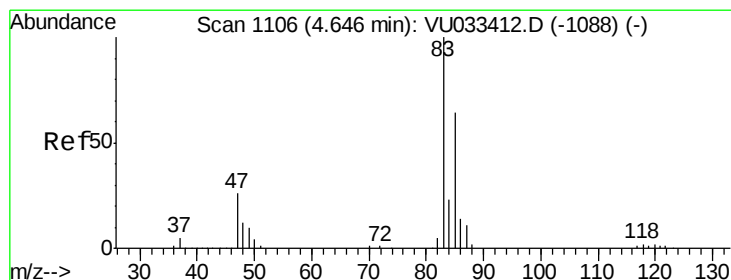
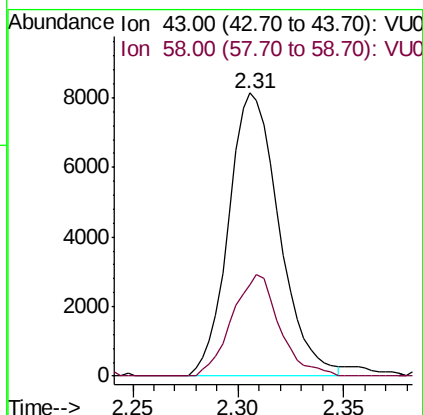
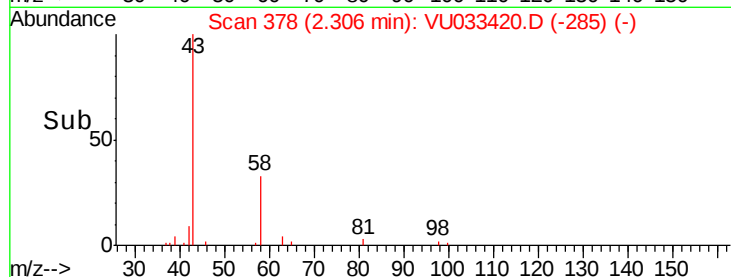
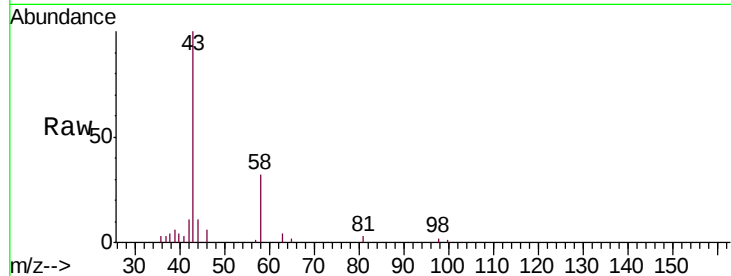
F2A14

Tgt Ion: 43 Resp: 13574

Ion Ratio Lower Upper

43 100

58 33.6 0.0 65.4



#25

Chloroform

Concen: 2.468 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033420.D

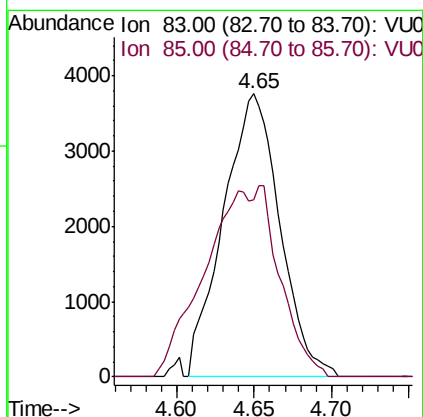
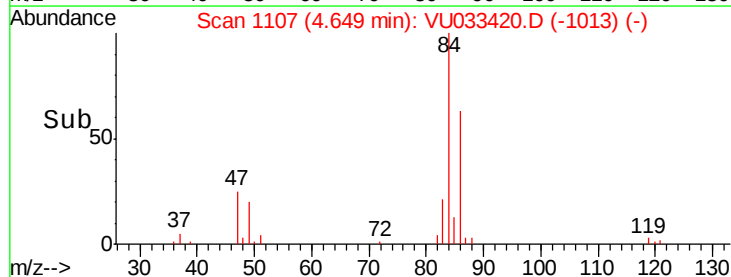
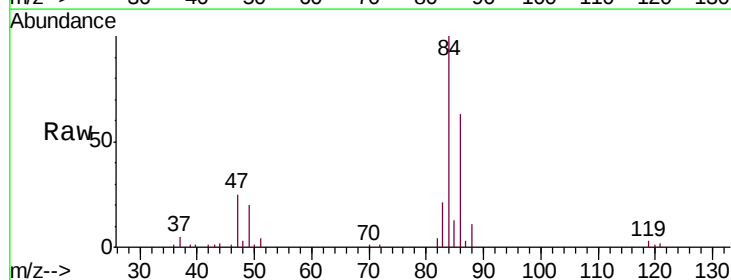
Acq: 25 Jul 2019 19:34

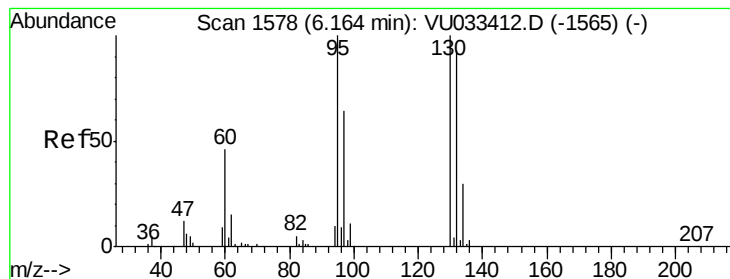
Tgt Ion: 83 Resp: 9584

Ion Ratio Lower Upper

83 100

85 62.6 45.4 84.4





#34

Trichloroethene

Concen: 267.790 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033420.D

Acq: 25 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampleId :

F2A14

Tgt Ion: 95 Resp: 573852

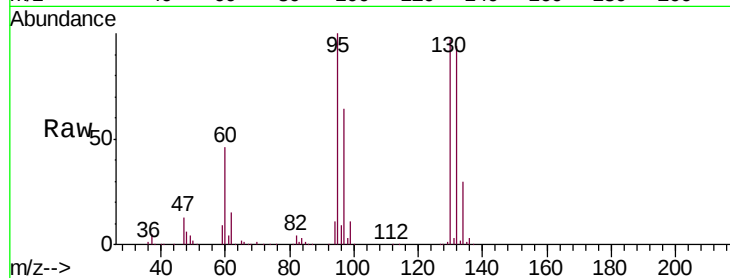
Ion Ratio Lower Upper

95 100

97 63.7 43.8 81.4

132 94.1 65.5 121.6

130 97.4 69.7 129.5

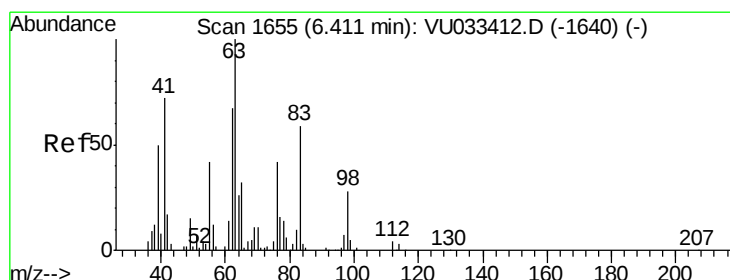
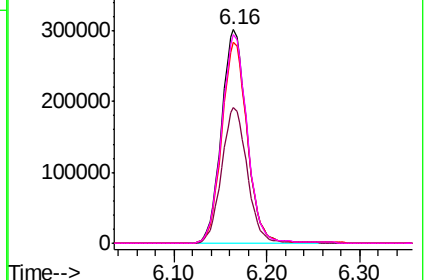
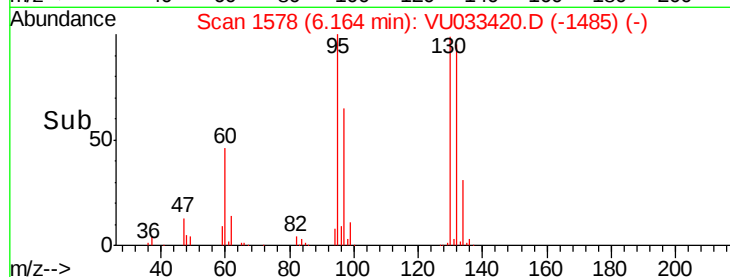


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 0.939 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.25 min

Lab File: VU033420.D

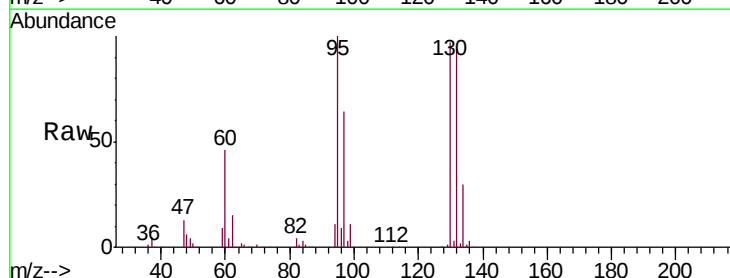
Acq: 25 Jul 2019 19:34

Tgt Ion: 63 Resp: 2087

Ion Ratio Lower Upper

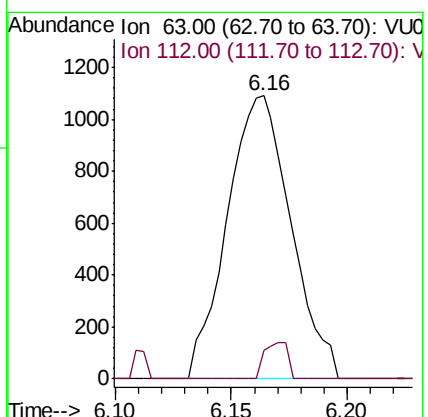
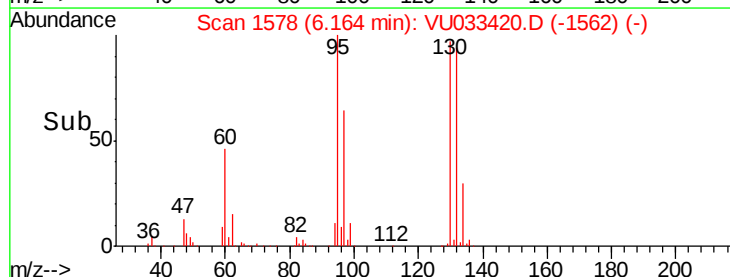
63 100

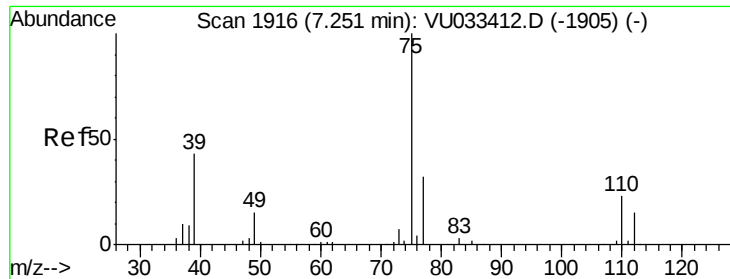
112 4.7 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

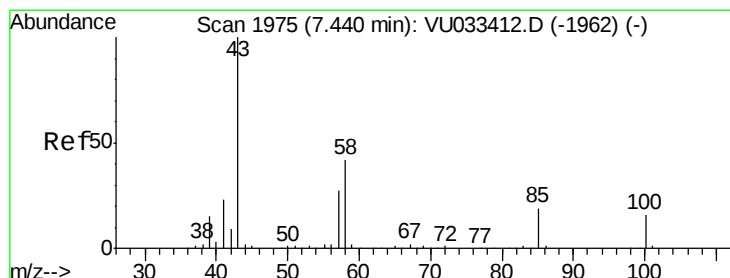
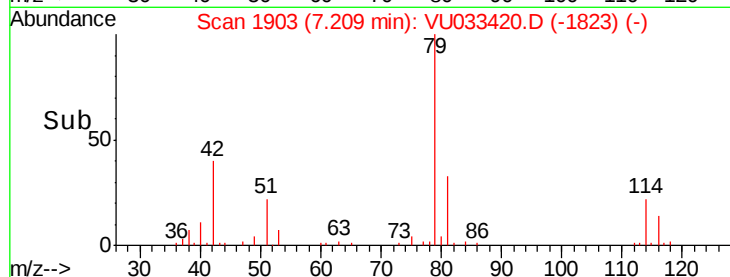
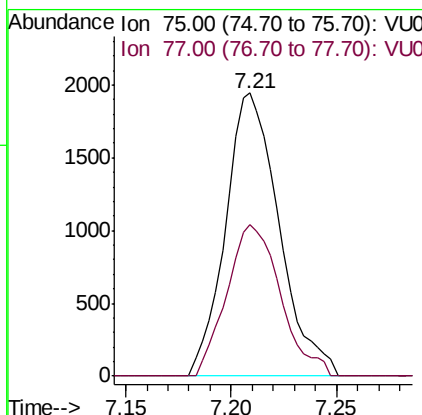
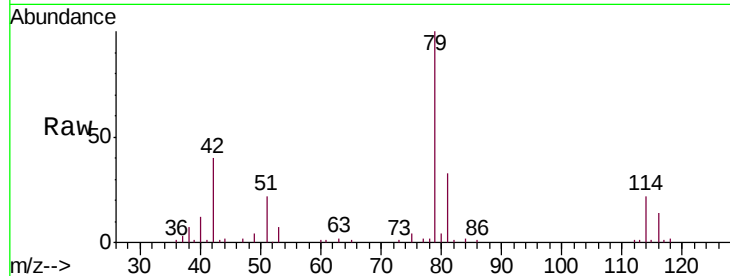




#39
 cis-1,3-Dichloropropene
 Concen: 1.007 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033420.D
 Acq: 25 Jul 2019 19:34

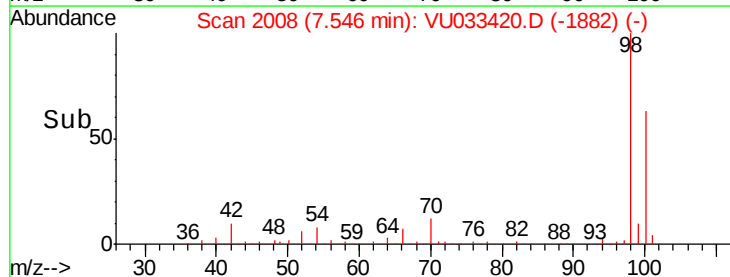
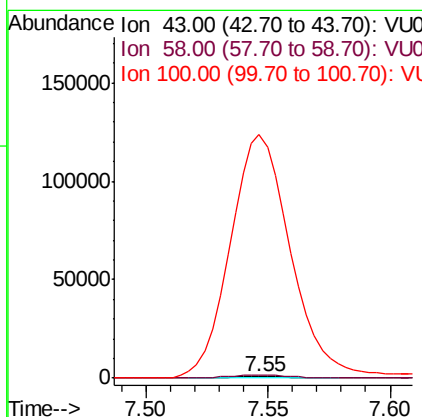
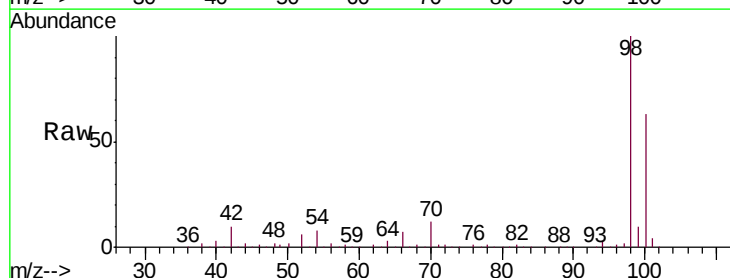
Instrument :
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 ClientSampleId :
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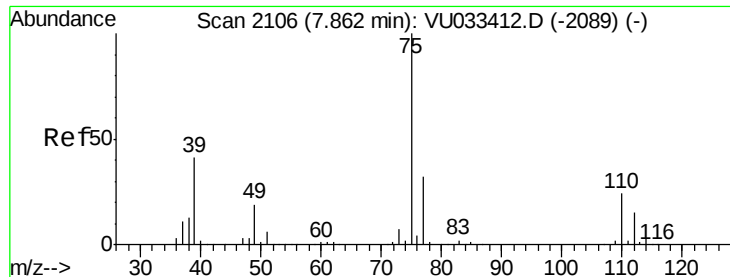
Tgt Ion: 75 Resp: 3430
 Ion Ratio Lower Upper
 75 100
 77 53.8 23.1 42.9#



#40
 4-Methyl-2-pentanone
 Concen: 0.475 ug/L
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.11 min
 Lab File: VU033420.D
 Acq: 25 Jul 2019 19:34

Tgt Ion: 43 Resp: 1416
 Ion Ratio Lower Upper
 43 100
 58 190.9 33.3 49.9#
 100 15361.6 12.1 18.1#





#44

trans-1,3-Dichloropropene

Concen: 0.861 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033420.D

Acq: 25 Jul 2019 19:34

Instrument :

MSVOA_U

ClientSampleId :

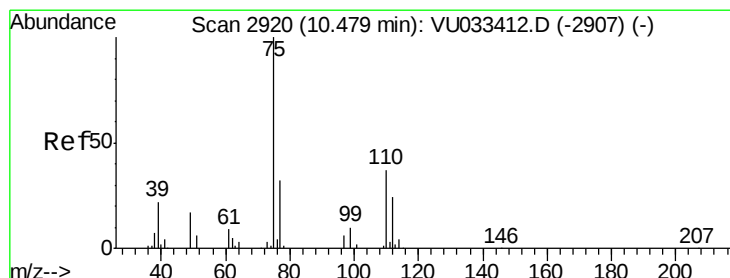
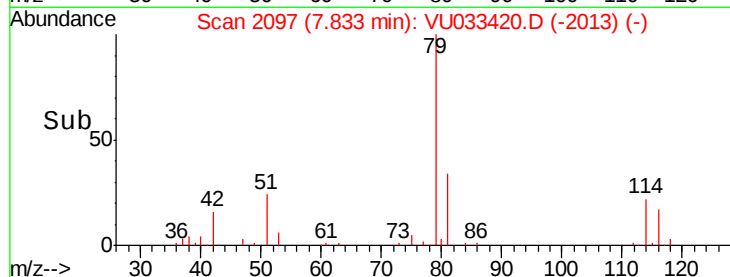
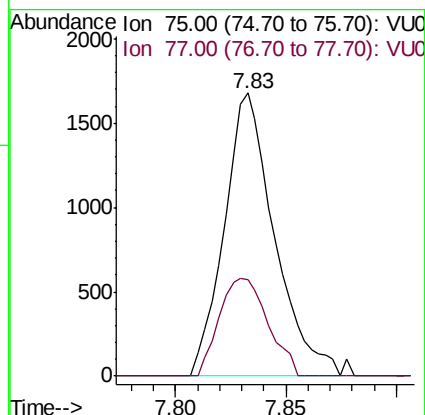
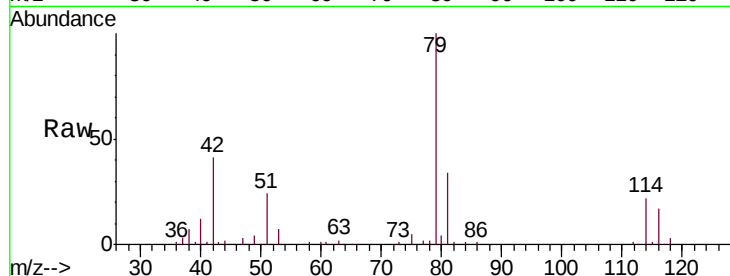
F2A14

Tgt Ion: 75 Resp: 2646

Ion Ratio Lower Upper

75 100

77 33.9 22.4 41.6



#59

1,2,3-Trichloropropane

Concen: 5.050 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033420.D

Acq: 25 Jul 2019 19:34

Tgt Ion: 75 Resp: 14608

Ion Ratio Lower Upper

75 100

77 38.7 26.0 39.0

