

Data File : VU033416.D
Acq On : 25 Jul 2019 18:02
Operator : JC/SP
Sample : K3957-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2A24

Quant Time: Jul 26 05:52:59 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	279111	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	282851	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	125947	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	124196	58.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	117.56%
7) Chloroethane-d5	1.67	69	110386	61.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.32%
11) 1,1-Dichloroethene-d2	2.25	63	169457	44.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.44%
21) 2-Butanone-d5	4.15	46	146380	109.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.34%
24) Chloroform-d	4.62	84	191121	53.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.96%
26) 1,2-Dichloroethane-d4	5.29	65	128987	56.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.60%
32) Benzene-d6	5.32	84	397225	57.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.50%
36) 1,2-Dichloropropane-d6	6.31	67	129372	58.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.40%
41) Toluene-d8	7.55	98	359748	54.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.96%
43) trans-1,3-Dichloropropene-	7.83	79	57951	53.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.34%
47) 2-Hexanone-d5	8.29	63	106138	105.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	185669	55.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.38%
64) 1,2-Dichlorobenzene-d4	11.85	152	134594	59.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.84%

Target Compounds

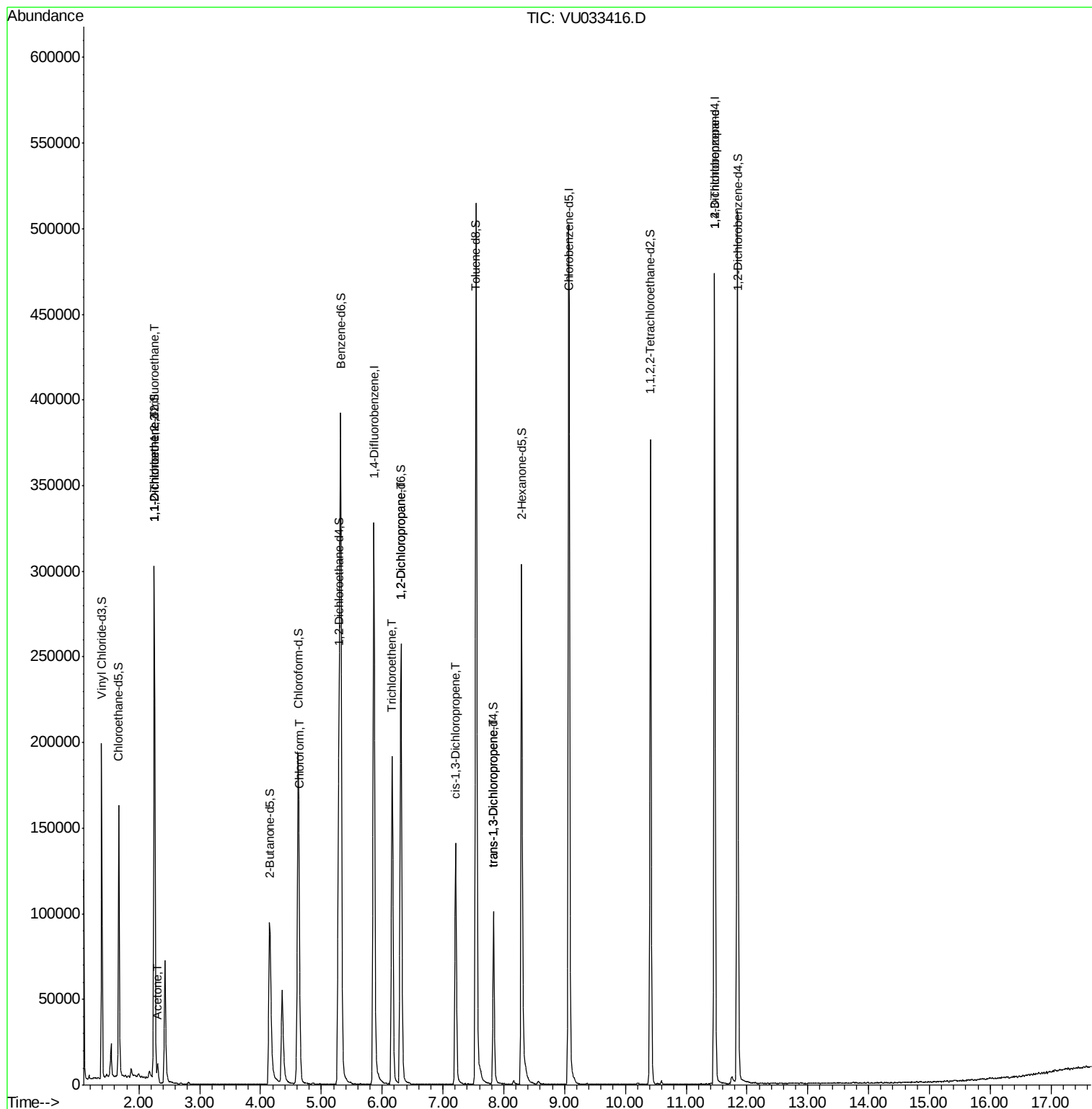
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1461	0.767 ug/L #	21
12) 1,1-Dichloroethene	2.25	96	1379	0.740 ug/L #	1
13) Acetone	2.31	43	9790	5.853 ug/L	99
25) Chloroform	4.64	83	7035	1.787 ug/L	89
34) Trichloroethene	6.16	95	67825	31.440 ug/L	98
37) 1,2-Dichloropropane	6.31	63	13753	6.148 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	3737	1.090 ug/L #	65
44) trans-1,3-Dichloropropene	7.83	75	2814	0.910 ug/L	87
59) 1,2,3-Trichloropropane	11.47	75	14945	5.132 ug/L	90

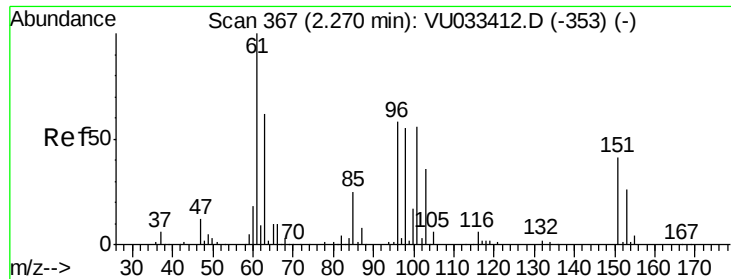
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.767 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

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Instrument :

MSVOA_U

ClientSampleId :

F2A24

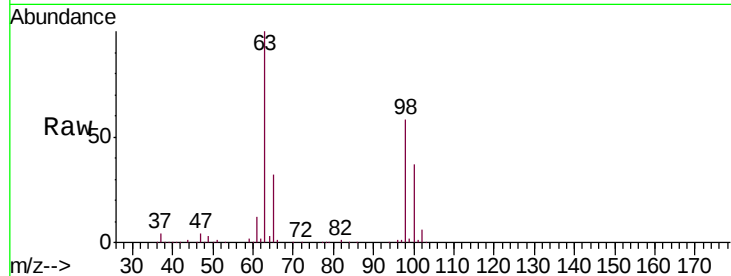
Tgt Ion:101 Resp: 1461

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

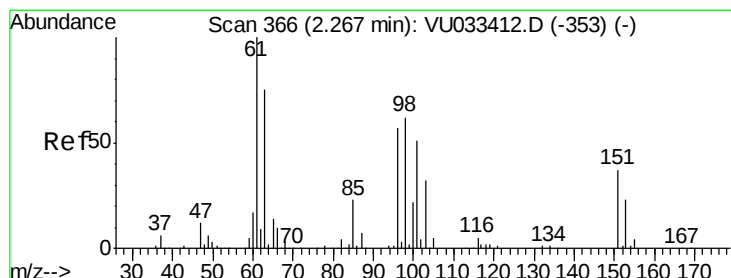
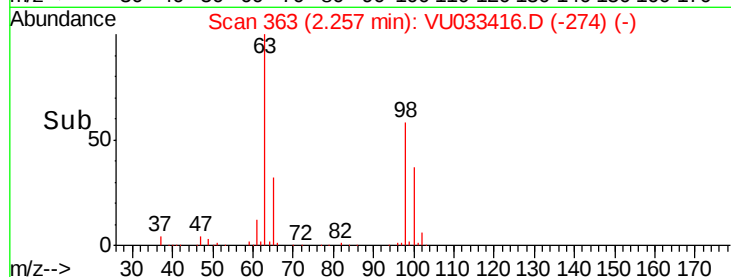
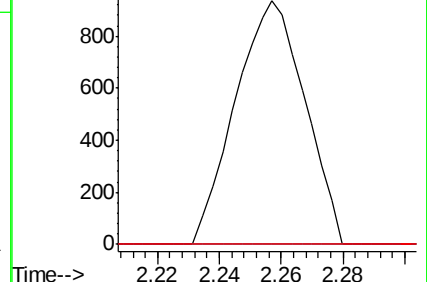
151 0.0 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VUC

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.740 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.01 min

Lab File: VU033416.D

Acq: 25 Jul 2019 18:02

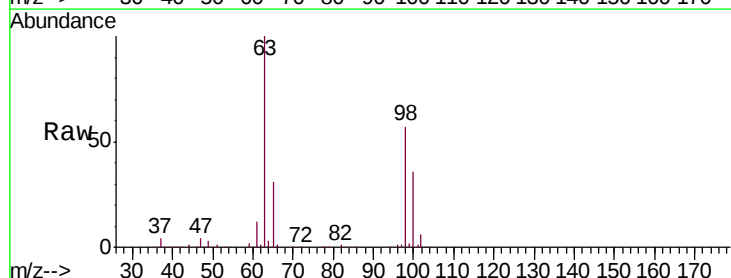
Tgt Ion: 96 Resp: 1379

Ion Ratio Lower Upper

96 100

61 1491.8 126.1 234.1#

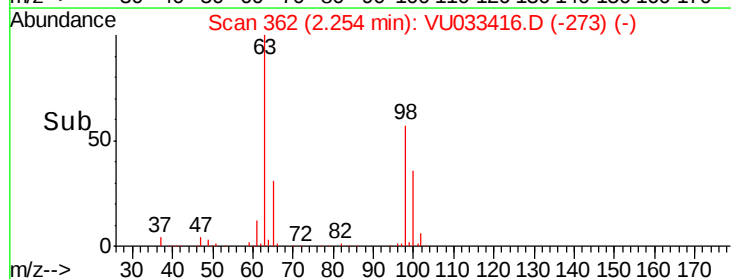
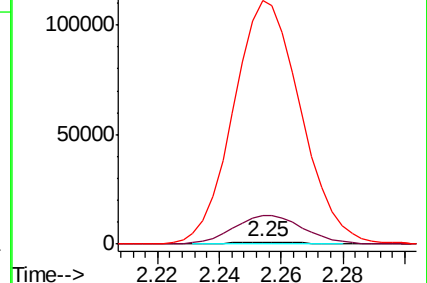
63 12559.5 96.8 179.8#

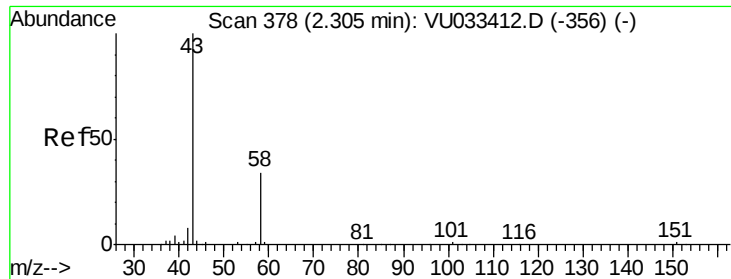


Abundance Ion 96.00 (95.70 to 96.70): VUC

Ion 61.00 (60.70 to 61.70): VUC

Ion 63.00 (62.70 to 63.70): VUC





#13

Acetone

Concen: 5.853 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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ClientSampleId :

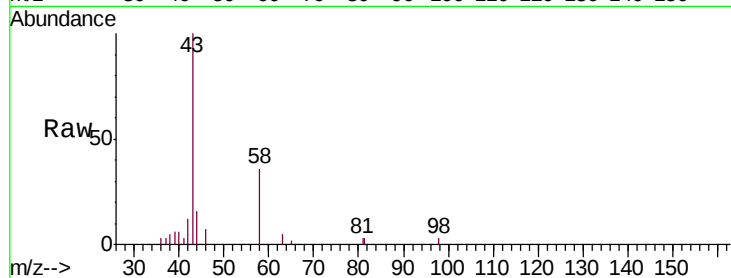
F2A24

Tgt Ion: 43 Resp: 9790

Ion Ratio Lower Upper

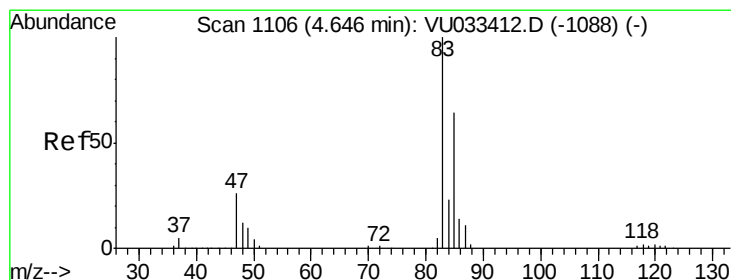
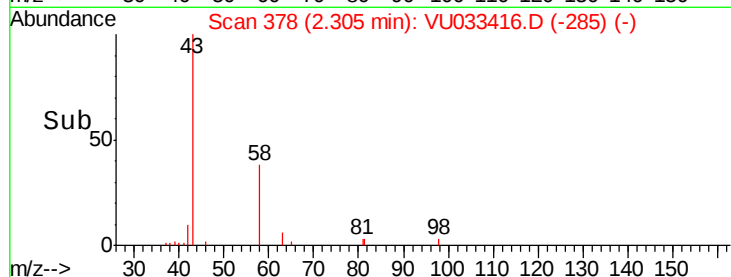
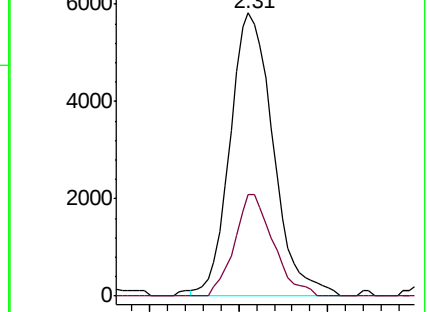
43 100

58 32.2 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033416.D (-1013) (-)

Ion 58.00 (57.70 to 58.70): VU033416.D (-1013) (-)



#25

Chloroform

Concen: 1.787 ug/L

RT: 4.64 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VU033416.D

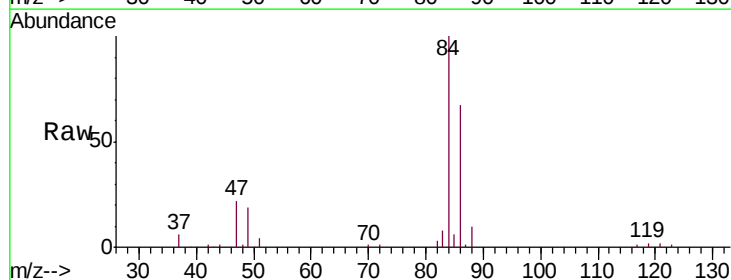
Acq: 25 Jul 2019 18:02

Tgt Ion: 83 Resp: 7035

Ion Ratio Lower Upper

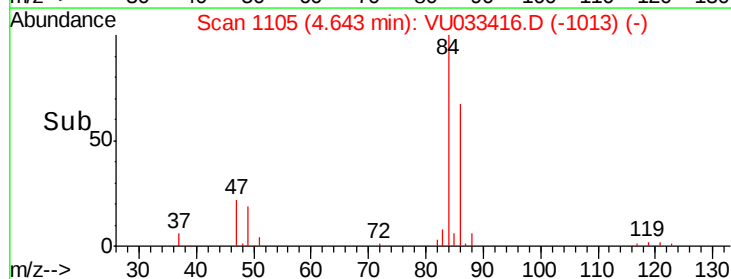
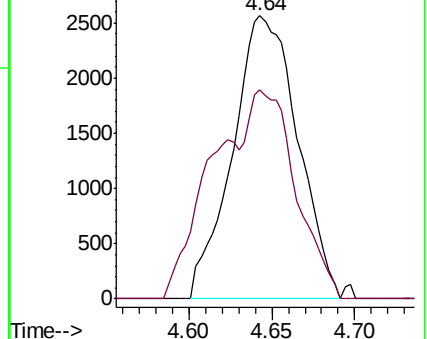
83 100

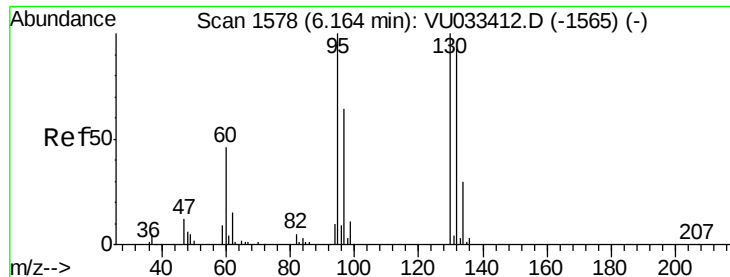
85 73.8 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU033416.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VU033416.D (-1013) (-)





#34

Trichloroethene

Concen: 31.440 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033416.D

Acq: 25 Jul 2019 18:02

Instrument :

MSVOA_U

ClientSampleId :

F2A24

Tgt Ion: 95 Resp: 67825

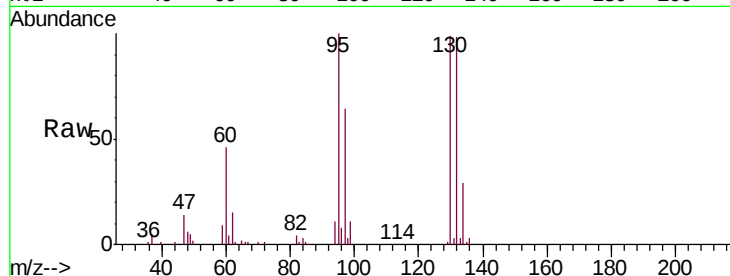
Ion Ratio Lower Upper

95 100

97 63.5 43.8 81.4

132 97.9 65.5 121.6

130 99.4 69.7 129.5

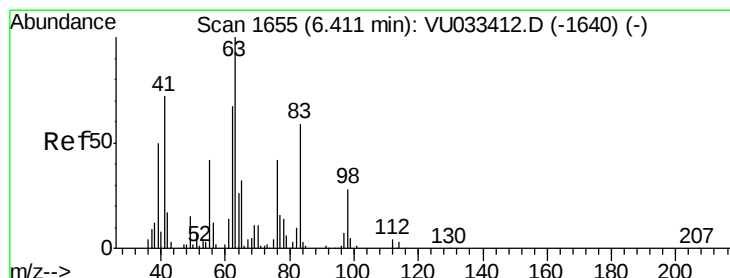
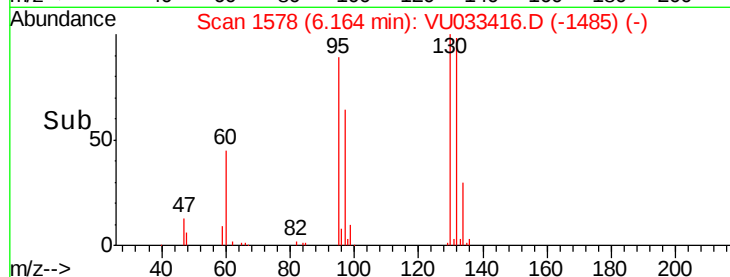
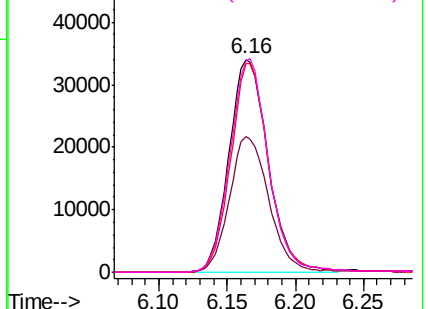


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 6.148 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033416.D

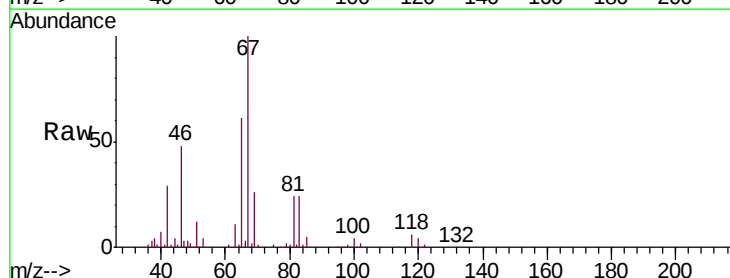
Acq: 25 Jul 2019 18:02

Tgt Ion: 63 Resp: 13753

Ion Ratio Lower Upper

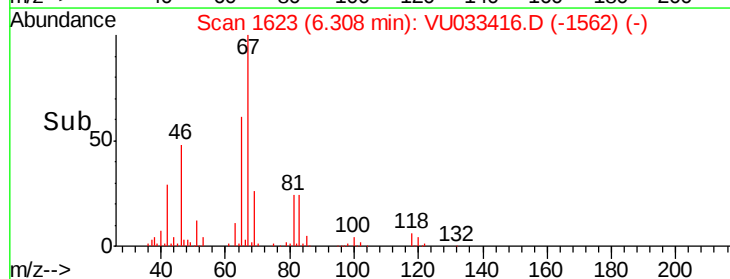
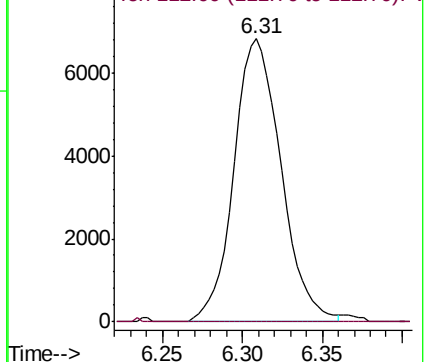
63 100

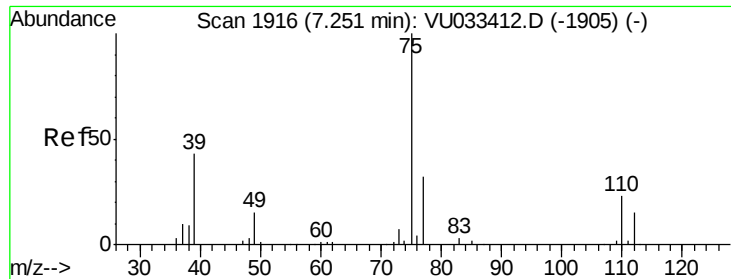
112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

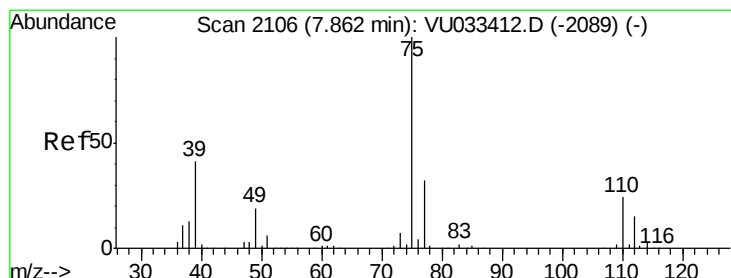
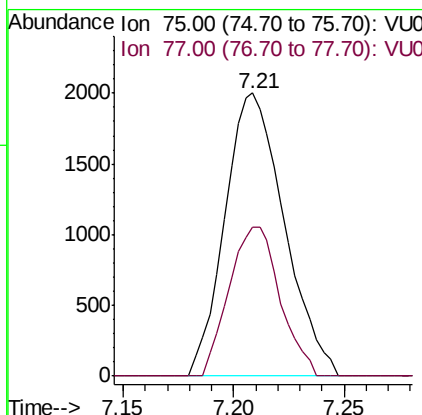
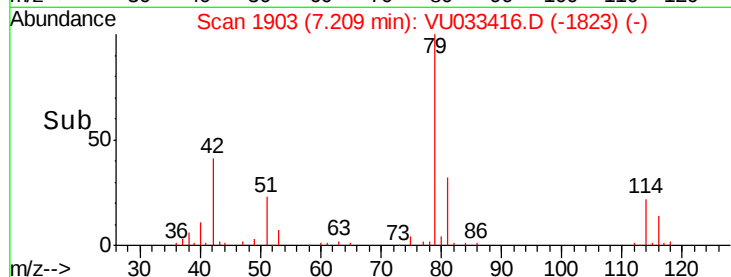
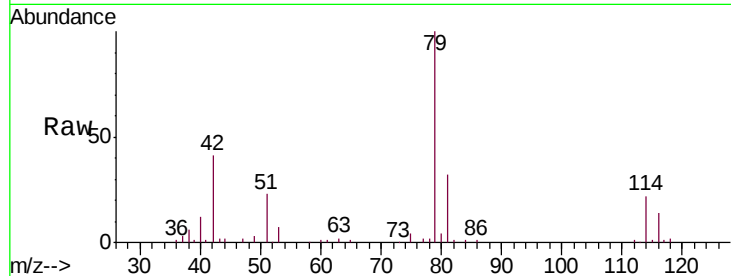




#39
 cis-1,3-Dichloropropene
 Concen: 1.090 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033416.D
 Acq: 25 Jul 2019 18:02

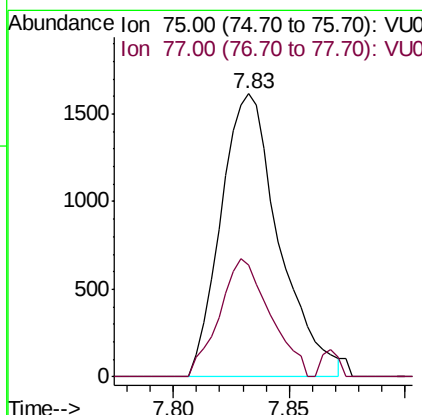
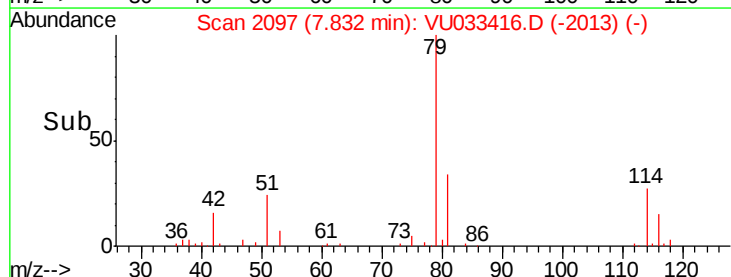
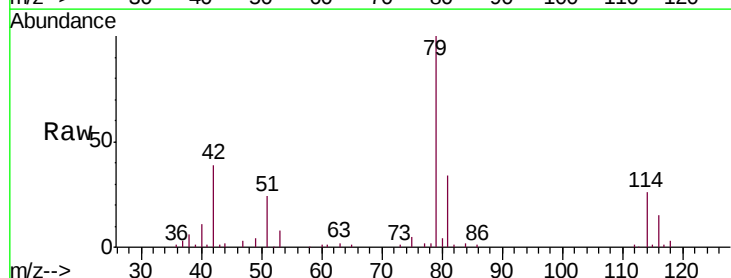
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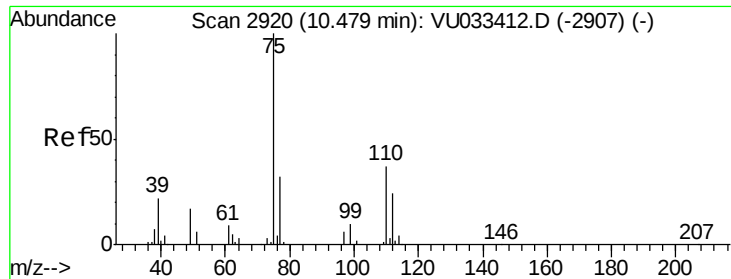
Tgt Ion: 75 Resp: 3737
 Ion Ratio Lower Upper
 75 100
 77 52.5 23.1 42.9#



#44
 trans-1,3-Dichloropropene
 Concen: 0.910 ug/L
 RT: 7.83 min Scan# 2097
 Delta R.T. -0.03 min
 Lab File: VU033416.D
 Acq: 25 Jul 2019 18:02

Tgt Ion: 75 Resp: 2814
 Ion Ratio Lower Upper
 75 100
 77 39.5 22.4 41.6





#59

1,2,3-Trichloropropane

Concen: 5.132 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033416.D

Acq: 25 Jul 2019 18:02

Instrument :

MSVOA_U

ClientSampleId :

F2A24

Tgt Ion: 75 Resp: 14945

Ion Ratio Lower Upper

75 100

77 38.0 26.0 39.0

