

Data File : VU033250.D
Acq On : 15 Jul 2019 11:48
Operator : JC/SP
Sample : K3785-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0XL6

Quant Time: Jul 16 01:49:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 16 01:46:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	301579	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	301687	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	130250	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	121084	53.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.08%
7) Chloroethane-d5	1.67	69	105906	54.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.26	63	159408	38.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.00%
21) 2-Butanone-d5	4.15	46	159868	110.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.52%
24) Chloroform-d	4.62	84	197804	51.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.29	65	132863	54.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.30%
32) Benzene-d6	5.32	84	409937	55.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.78%
36) 1,2-Dichloropropane-d6	6.31	67	130782	55.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.32%
41) Toluene-d8	7.55	98	362029	51.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.74%
43) trans-1,3-Dichloropropene-	7.83	79	60227	51.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.62%
47) 2-Hexanone-d5	8.29	63	117270	109.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.72%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	190603	53.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.24%
64) 1,2-Dichlorobenzene-d4	11.85	152	133723	57.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.14%

Target Compounds

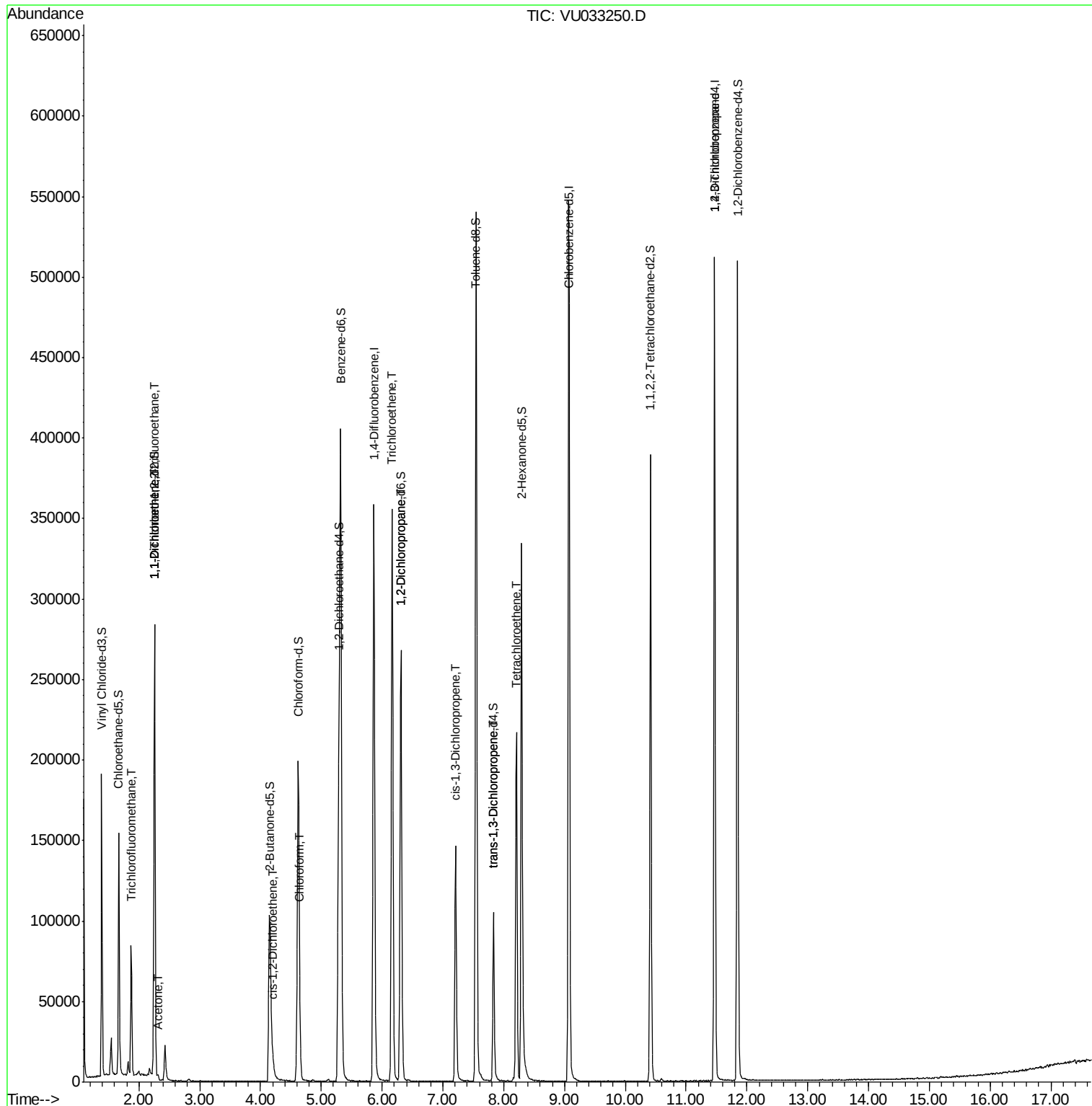
						Qvalue
9) Trichlorofluoromethane	1.87	101	45601	10.190	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1360	0.661	ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1253	0.622	ug/L #	1
13) Acetone	2.31	43	1385	0.766	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	4059	1.730	ug/L	88
25) Chloroform	4.65	83	6967	1.638	ug/L	95
34) Trichloroethene	6.16	95	122210	53.114	ug/L	97
37) 1,2-Dichloropropane	6.31	63	14346	6.013	ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	3856	1.054	ug/L #	59
44) trans-1,3-Dichloropropene	7.83	75	2718	0.824	ug/L	91
46) Tetrachloroethene	8.21	164	47172	26.483	ug/L	98
59) 1,2,3-Trichloropropane	11.47	75	16353	5.265	ug/L	92

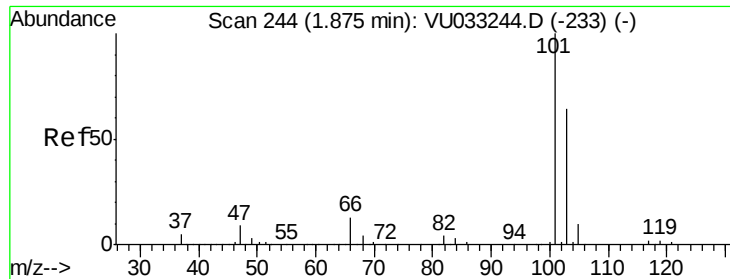
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 10.190 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033250.D

Acq: 15 Jul 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

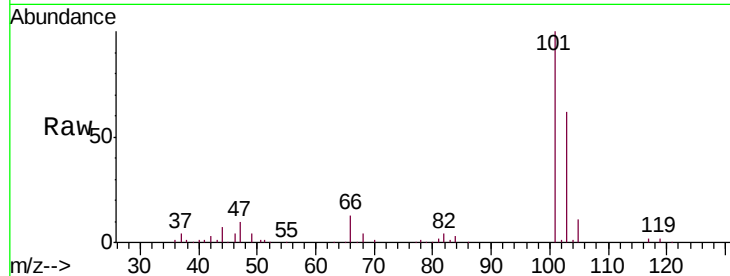
C0XL6

Tgt Ion:101 Resp: 45601

Ion Ratio Lower Upper

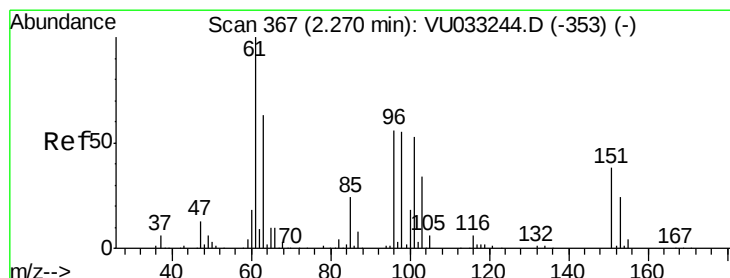
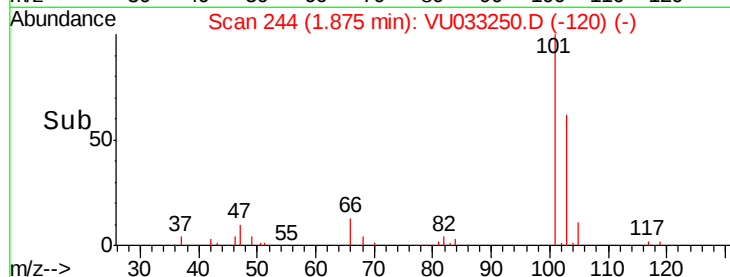
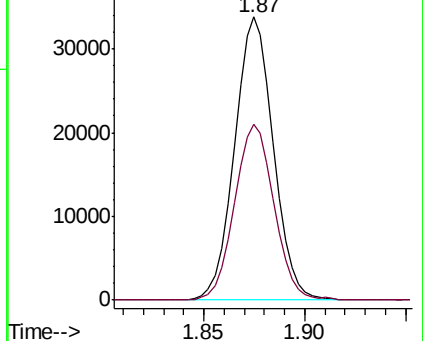
101 100

103 63.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.661 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033250.D

Acq: 15 Jul 2019 11:48

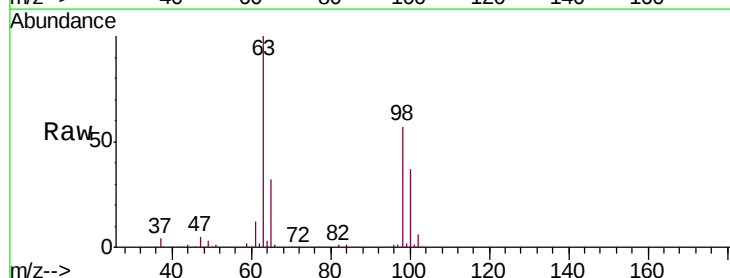
Tgt Ion:101 Resp: 1360

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

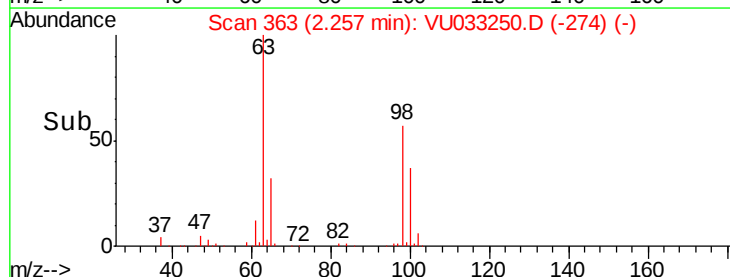
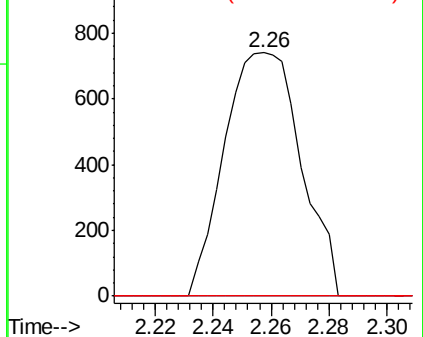
151 0.0 56.7 85.1#

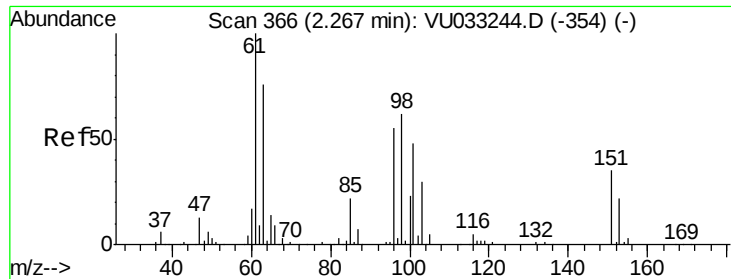


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.622 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033250.D

Acq: 15 Jul 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

C0XL6

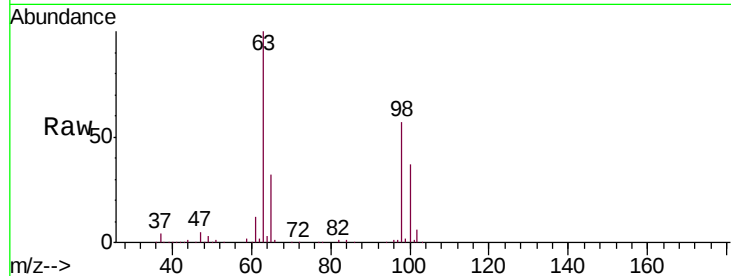
Tgt Ion: 96 Resp: 1253

Ion Ratio Lower Upper

96 100

61 1612.6 126.1 234.1#

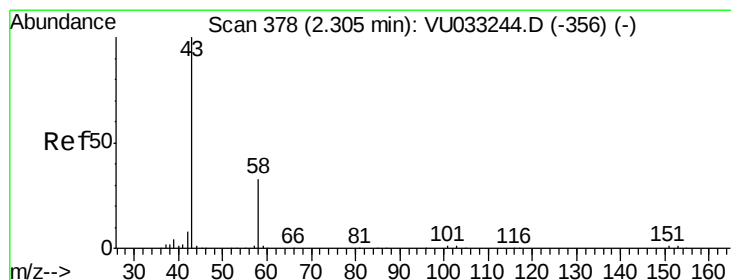
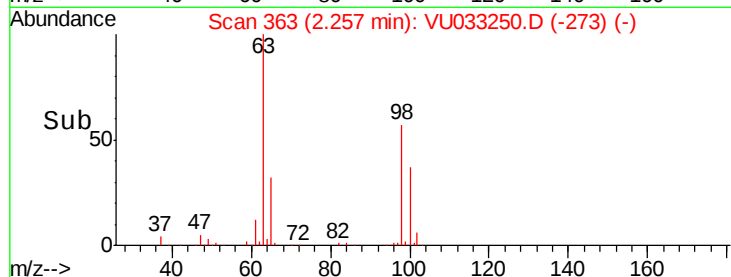
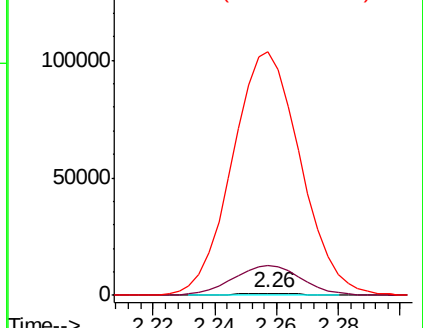
63 13029.4 96.8 179.8#



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: 0.766 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033250.D

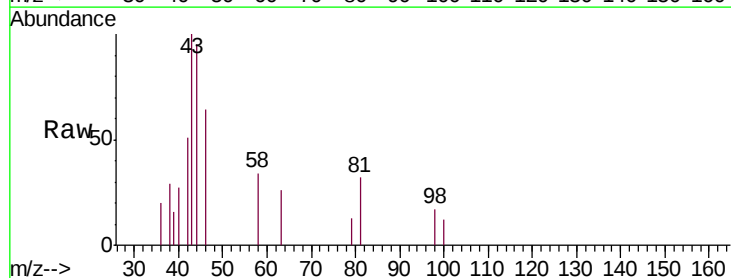
Acq: 15 Jul 2019 11:48

Tgt Ion: 43 Resp: 1385

Ion Ratio Lower Upper

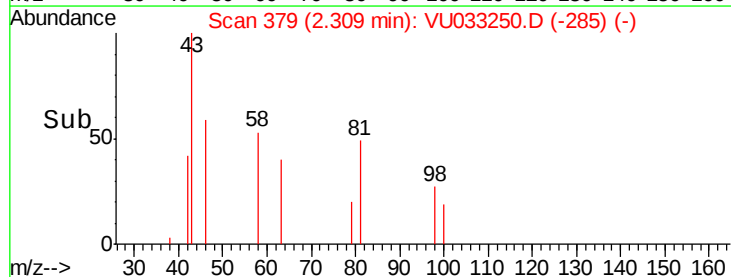
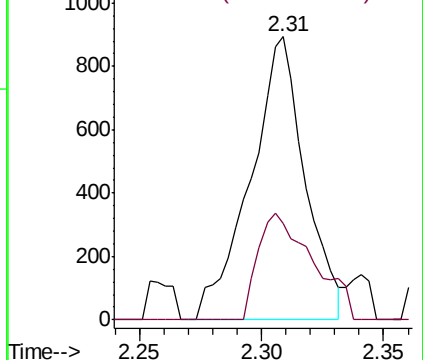
43 100

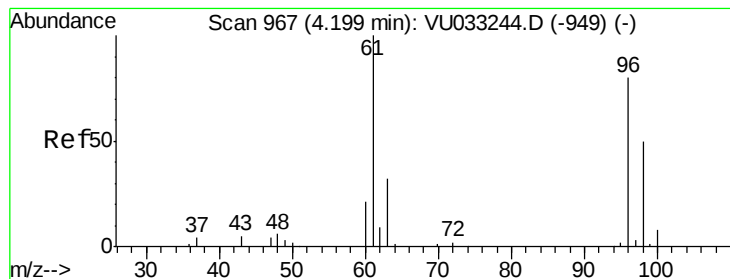
58 34.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



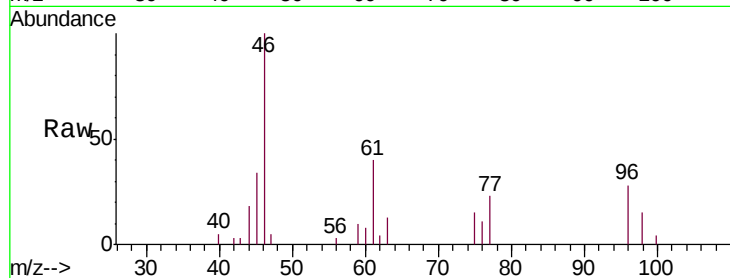


#20

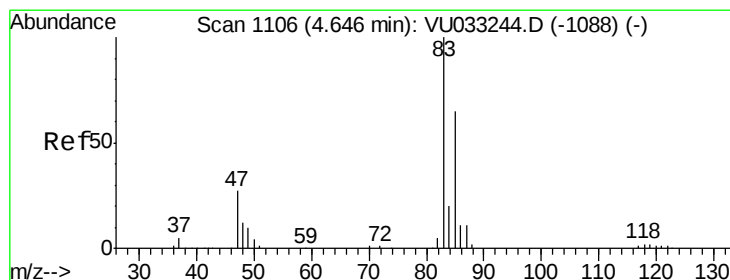
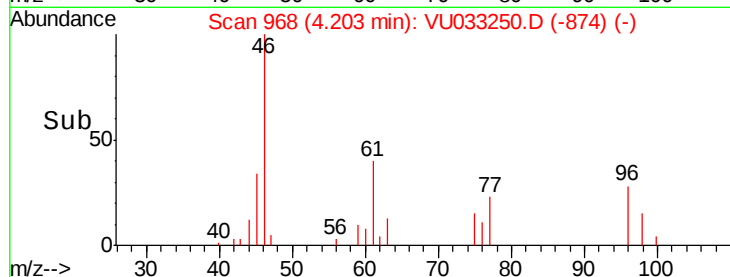
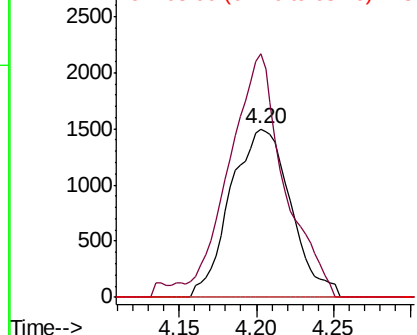
cis-1,2-Dichloroethene
 Concen: 1.730 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU033250.D
 Acq: 15 Jul 2019 11:48

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XL6

Tgt Ion: 96 Resp: 4059
 Ion Ratio Lower Upper
 96 100
 61 144.3 91.1 169.1
 68 0.0 0.0 0.0



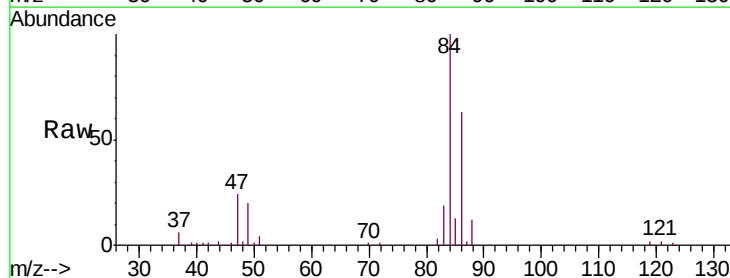
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



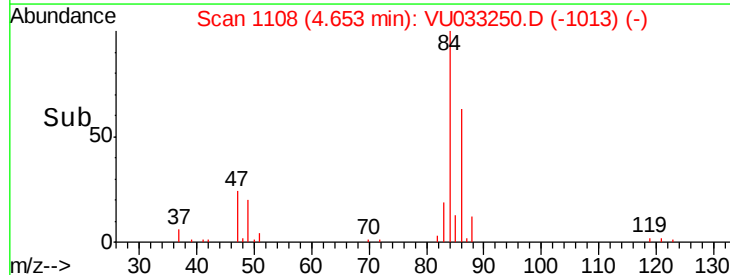
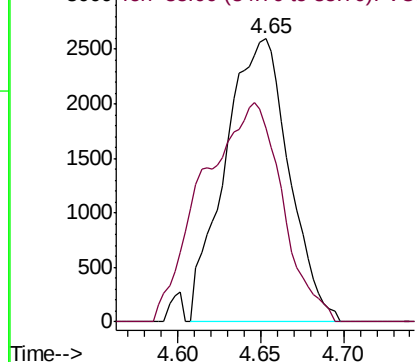
#25

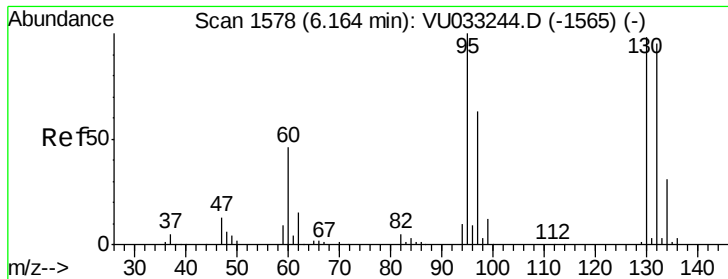
Chloroform
 Concen: 1.638 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VU033250.D
 Acq: 15 Jul 2019 11:48

Tgt Ion: 83 Resp: 6967
 Ion Ratio Lower Upper
 83 100
 85 68.5 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 53.114 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033250.D

Acq: 15 Jul 2019 11:48

Instrument :

MSVOA_U

ClientSampled :

C0XL6

Tgt Ion: 95 Resp: 122210

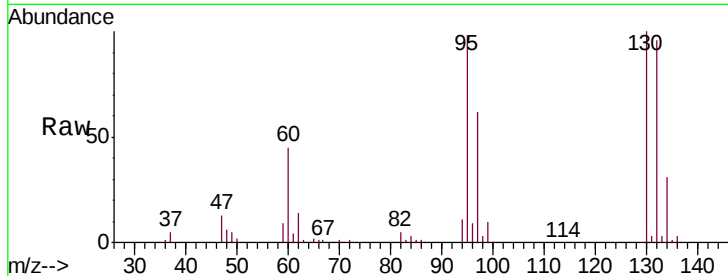
Ion Ratio Lower Upper

95 100

97 63.9 43.8 81.4

132 98.1 65.5 121.6

130 102.3 69.7 129.5

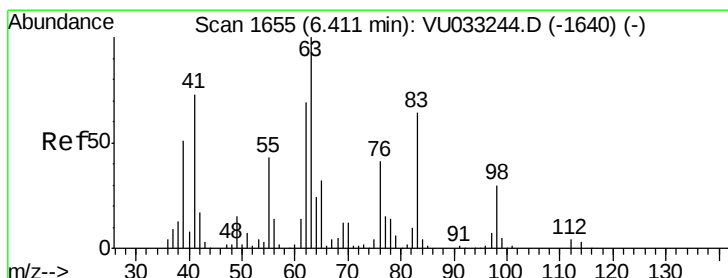
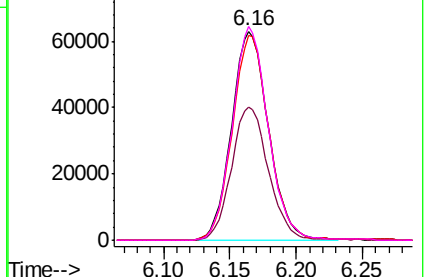
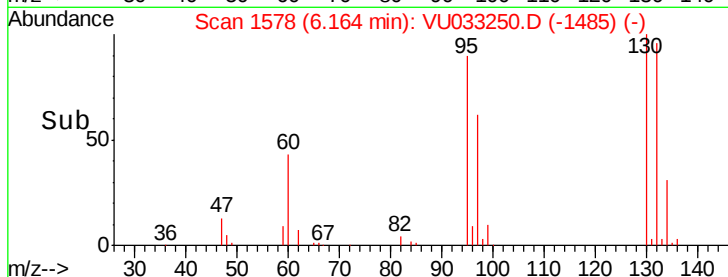


Abundance Ion 95.00 (94.70 to 95.70): VU033244.D (-1565) (-)

Ion 97.00 (96.70 to 97.70): VU033244.D (-1565) (-)

Ion 132.00 (131.70 to 132.70): VU033244.D (-1565) (-)

Ion 130.00 (129.70 to 130.70): VU033244.D (-1565) (-)



#37

1,2-Dichloropropane

Concen: 6.013 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033250.D

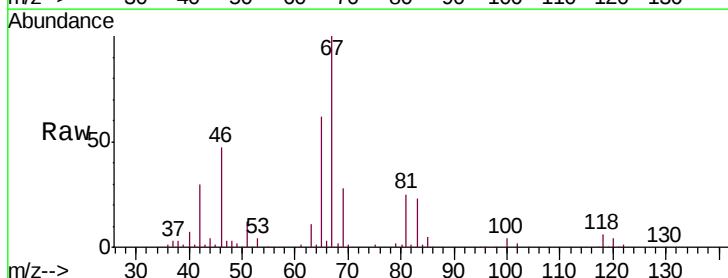
Acq: 15 Jul 2019 11:48

Tgt Ion: 63 Resp: 14346

Ion Ratio Lower Upper

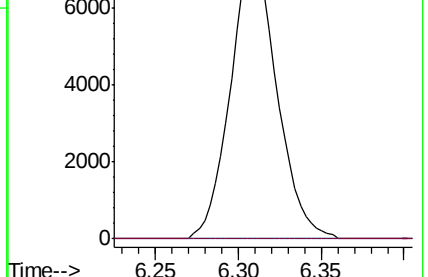
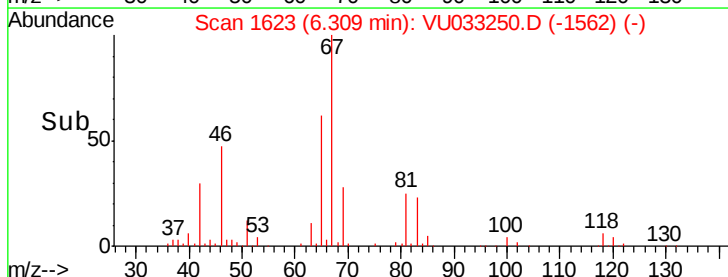
63 100

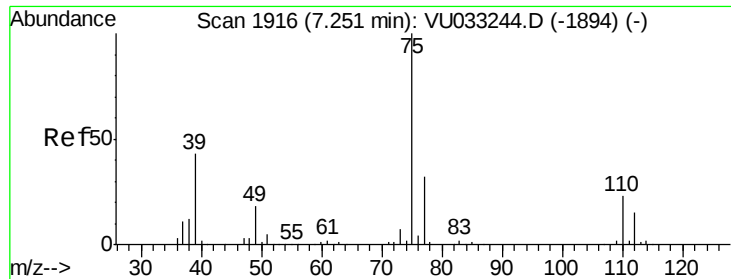
112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU033244.D (-1640) (-)

Ion 112.00 (111.70 to 112.70): VU033244.D (-1640) (-)

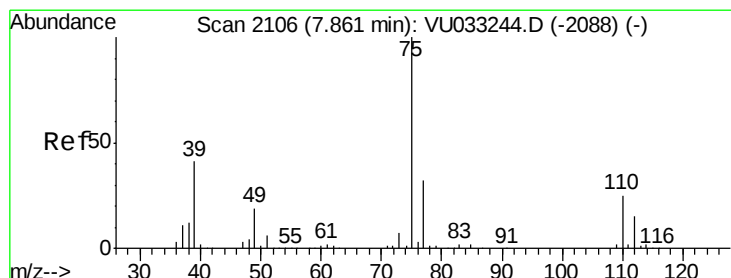
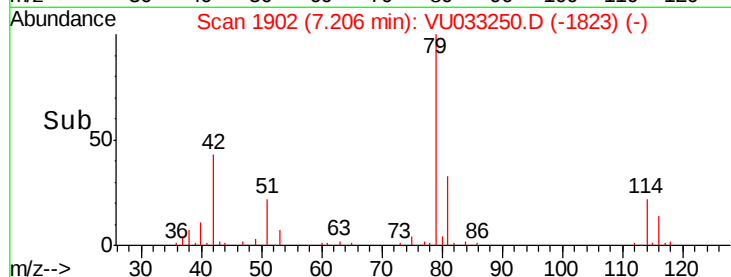
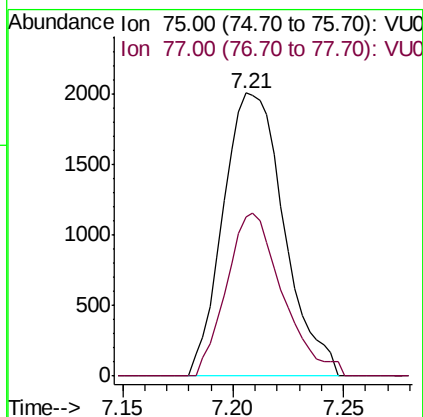
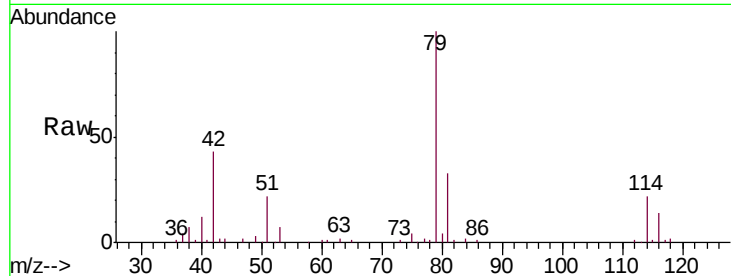




#39
 cis-1,3-Dichloropropene
 Concen: 1.054 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.04 min
 Lab File: VU033250.D
 Acq: 15 Jul 2019 11:48

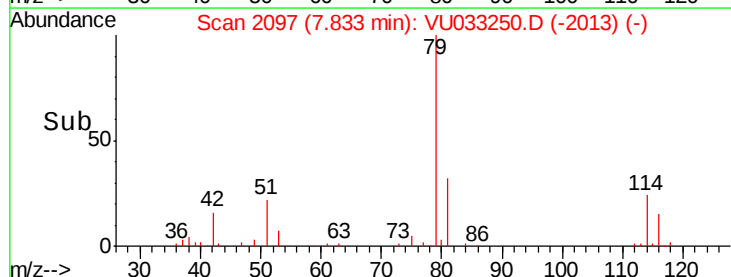
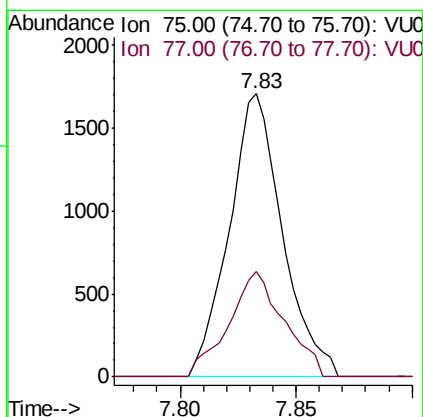
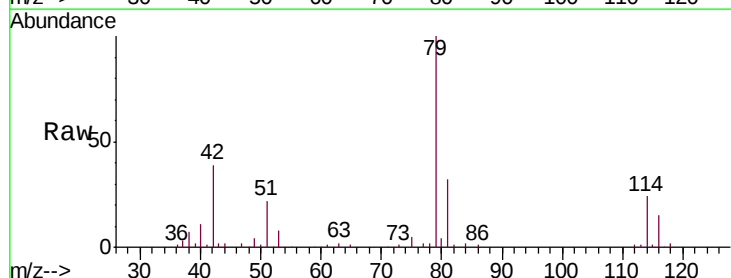
Instrument :
 MSVOA_U
 ClientSampleId :
 C0XL6

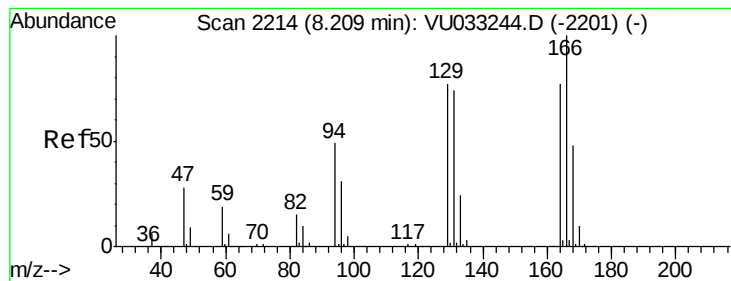
Tgt Ion: 75 Resp: 3856
 Ion Ratio Lower Upper
 75 100
 77 56.2 23.1 42.9#



#44
 trans-1,3-Dichloropropene
 Concen: 0.824 ug/L
 RT: 7.83 min Scan# 2097
 Delta R.T. -0.03 min
 Lab File: VU033250.D
 Acq: 15 Jul 2019 11:48

Tgt Ion: 75 Resp: 2718
 Ion Ratio Lower Upper
 75 100
 77 37.1 22.4 41.6





#46

Tetrachloroethene

Concen: 26.483 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033250.D

Acq: 15 Jul 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

C0XL6

Tgt Ion:164 Resp: 47172

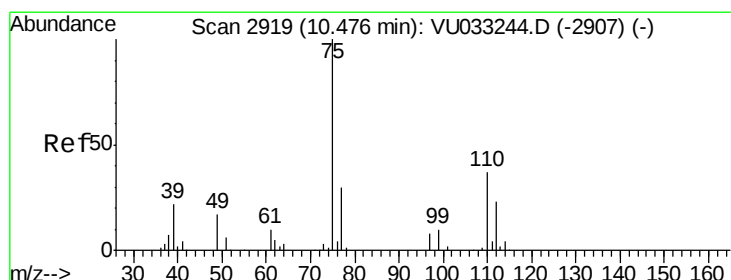
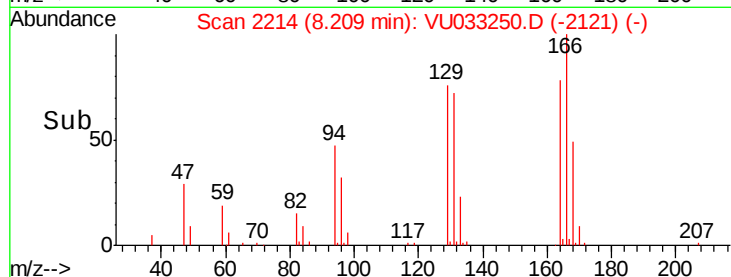
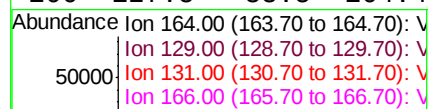
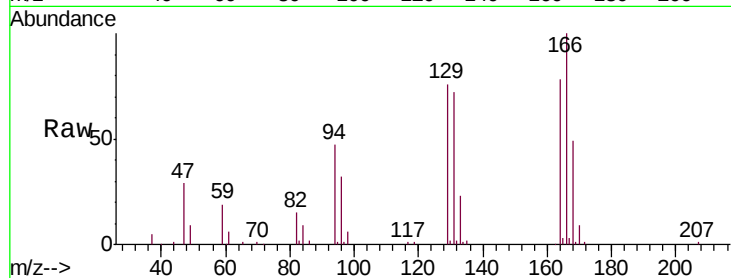
Ion Ratio Lower Upper

164 100

129 96.7 69.6 129.2

131 92.3 65.7 122.1

166 127.5 88.5 164.4



#59

1,2,3-Trichloropropane

Concen: 5.265 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033250.D

Acq: 15 Jul 2019 11:48

Tgt Ion: 75 Resp: 16353

Ion Ratio Lower Upper

75 100

77 36.8 26.0 39.0

