

Data File : VU031387.D
Acq On : 22 Apr 2019 12:28
Operator : JC/SP
Sample : K2428-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X14

Quant Time: Apr 23 01:02:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 00:59:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	670077	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	639681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	276053	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	182644	29.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	59.20%#
7) Chloroethane-d5	1.68	69	157892	29.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	58.94%#
11) 1,1-Dichloroethene-d2	2.27	63	266412	21.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	43.58%#
21) 2-Butanone-d5	4.19	46	380576	84.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.68%
24) Chloroform-d	4.64	84	328693	31.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	63.84%#
26) 1,2-Dichloroethane-d4	5.31	65	199594	31.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	62.96%#
32) Benzene-d6	5.34	84	675653	33.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.82%#
36) 1,2-Dichloropropane-d6	6.33	67	228768	34.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	69.72%#
41) Toluene-d8	7.56	98	597732	33.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.18%#
43) trans-1,3-Dichloropropene-	7.85	79	100382	32.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.00%
47) 2-Hexanone-d5	8.31	63	274627	88.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	333253	36.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	73.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	217391	34.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	68.68%#

Target Compounds

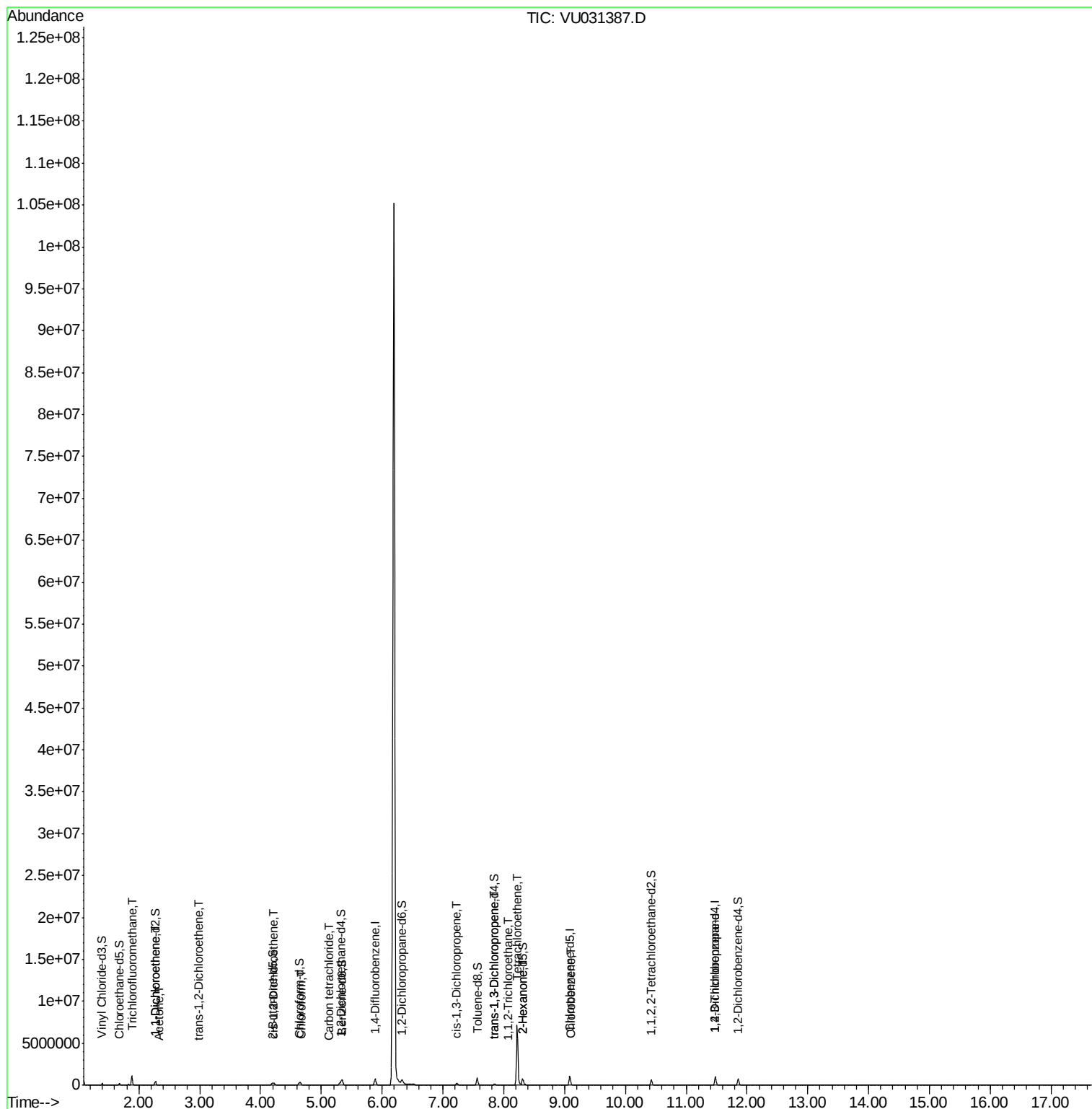
						Qvalue
9) Trichlorofluoromethane	1.88	101	690017	67.596	ug/L	99
12) 1,1-Dichloroethene	2.28	96	4317	0.824	ug/L #	1
13) Acetone	2.34	43	5557	1.607	ug/L	77
17) trans-1,2-Dichloroethene	2.98	96	5900	1.236	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	59989	10.802	ug/L	92
25) Chloroform	4.67	83	14535	1.494	ug/L	88
31) Carbon tetrachloride	5.13	117	10914	1.490	ug/L	94
39) cis-1,3-Dichloropropene	7.23	75	5725	0.670	ug/L #	69
44) trans-1,3-Dichloropropene	7.85	75	3949	0.533	ug/L	87
45) 1,1,2-Trichloroethane	8.07	97	8584	1.674	ug/L	97
46) Tetrachloroethene	8.22	164	1730731	427.446	ug/L	98
48) 2-Hexanone	8.31	43	27546	4.308	ug/L #	71
51) Chlorobenzene	9.12	112	6952	0.520	ug/L	93
59) 1,2,3-Trichloropropane	11.48	75	28707	4.236	ug/L	89

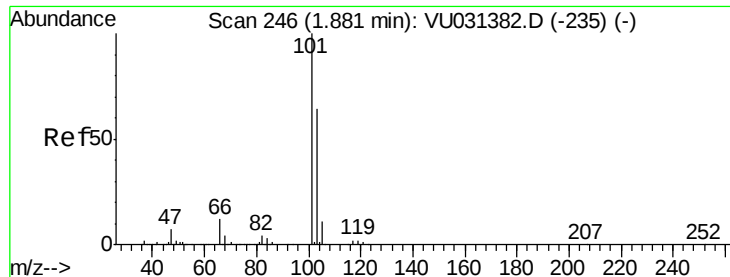
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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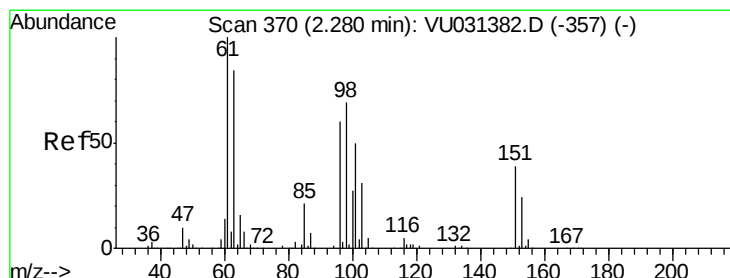
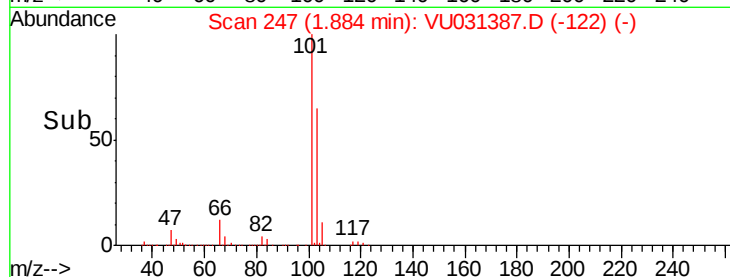
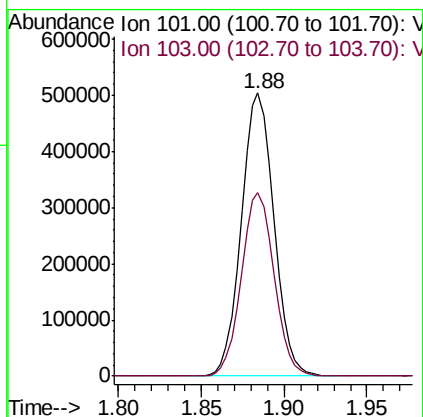
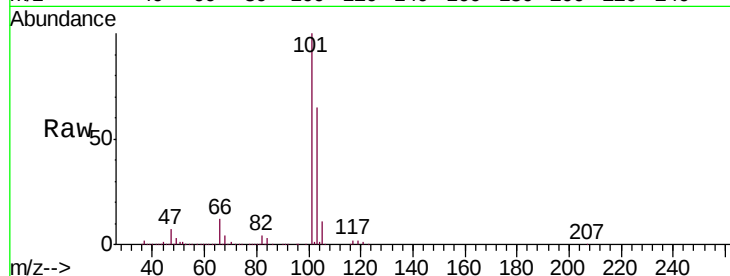


#9

Trichlorofluoromethane
 Concen: 67.596 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031387.D
 Acq: 22 Apr 2019 12:28

Instrument :
 MSVOA_U
 ClientSampled :
 C0X14

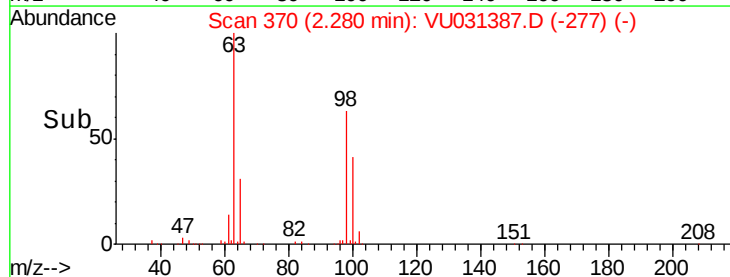
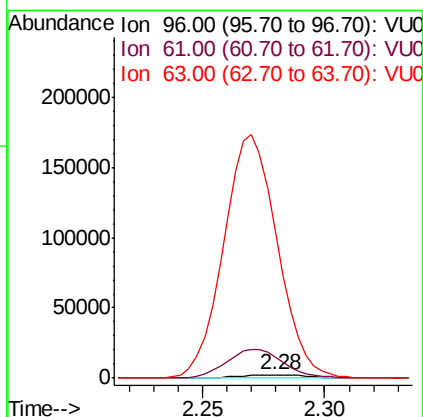
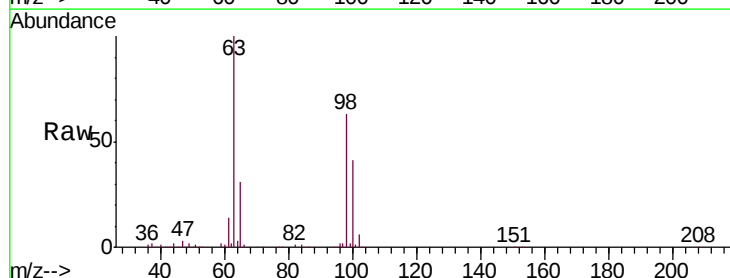
Tgt Ion:101 Resp: 690017
 Ion Ratio Lower Upper
 101 100
 103 65.1 53.0 79.6

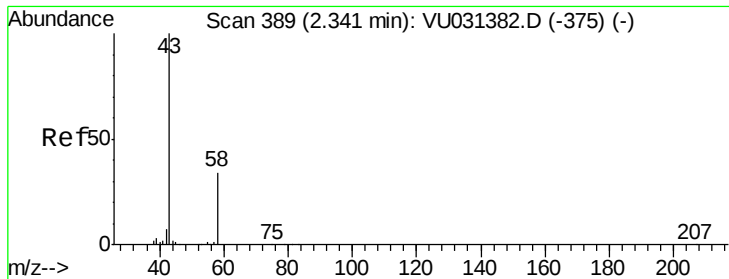


#12

1,1-Dichloroethene
 Concen: 0.824 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU031387.D
 Acq: 22 Apr 2019 12:28

Tgt Ion: 96 Resp: 4317
 Ion Ratio Lower Upper
 96 100
 61 643.3 130.4 242.2#
 63 4437.1 108.9 202.3#





#13

Acetone

Concen: 1.607 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU031387.D

Acq: 22 Apr 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

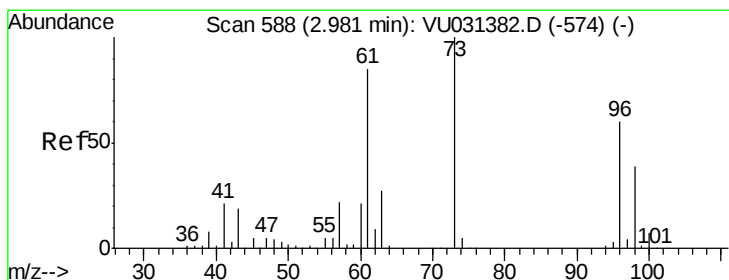
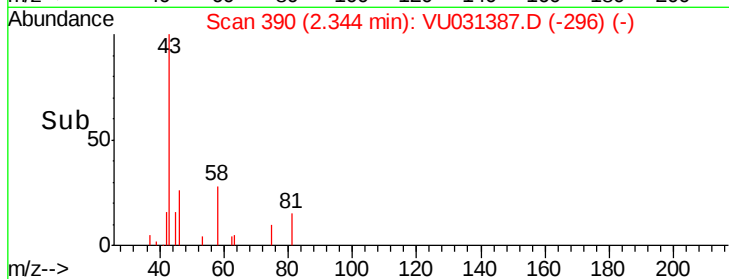
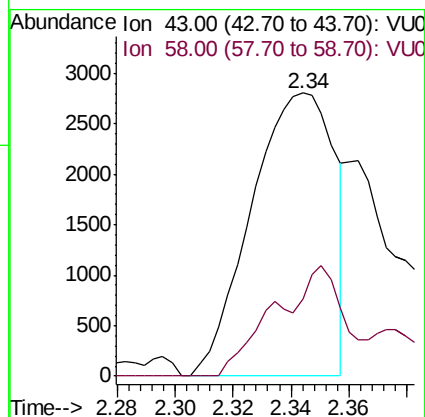
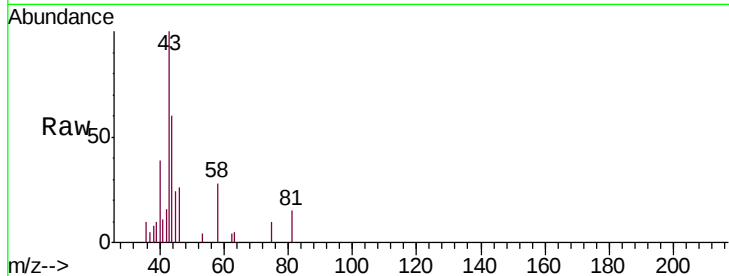
C0X14

Tgt Ion: 43 Resp: 5557

Ion Ratio Lower Upper

43 100

58 19.7 0.0 65.0



#17

trans-1,2-Dichloroethene

Concen: 1.236 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU031387.D

Acq: 22 Apr 2019 12:28

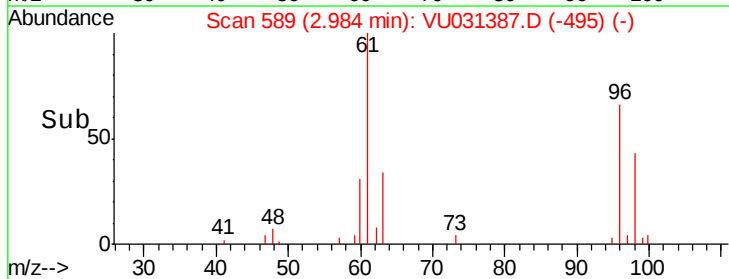
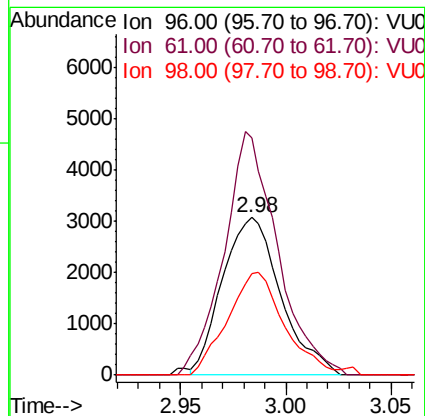
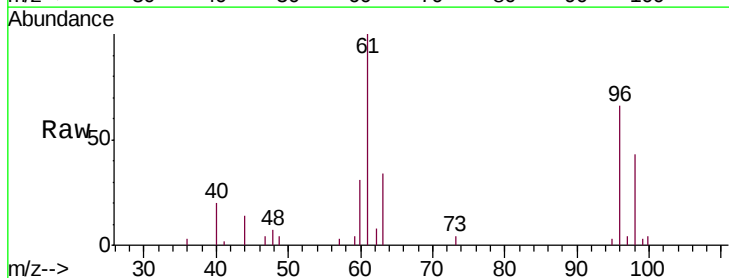
Tgt Ion: 96 Resp: 5900

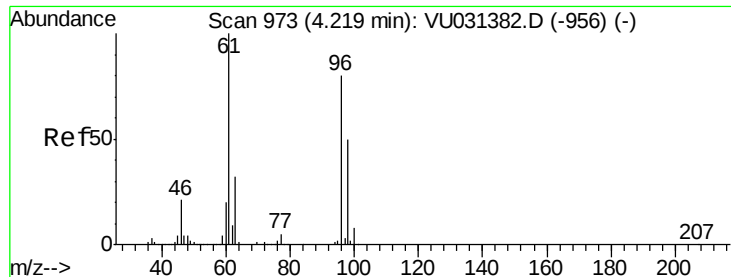
Ion Ratio Lower Upper

96 100

61 150.9 105.5 195.9

98 64.4 45.4 84.4

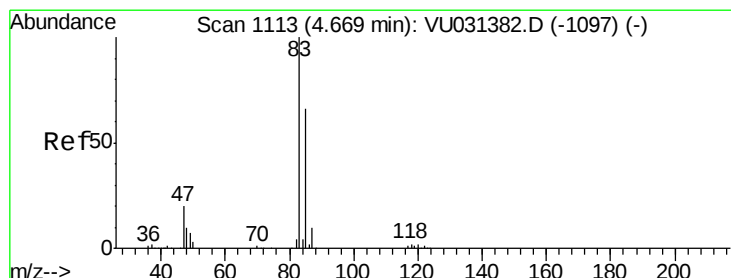
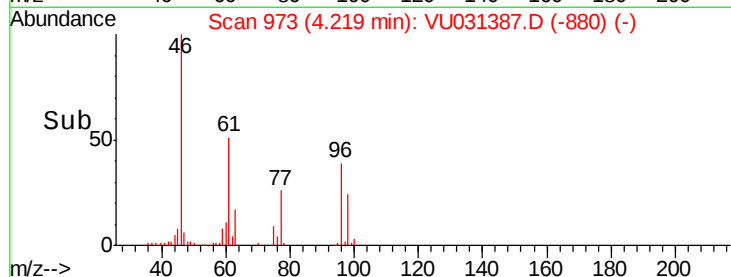
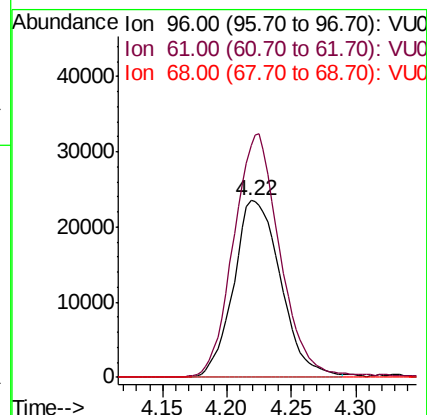
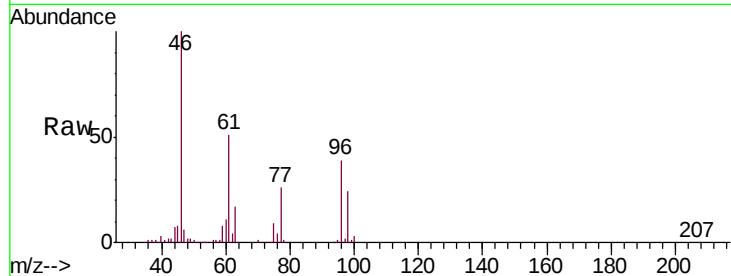




#20
 cis-1,2-Dichloroethene
 Concen: 10.802 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031387.D
 Acq: 22 Apr 2019 12:28

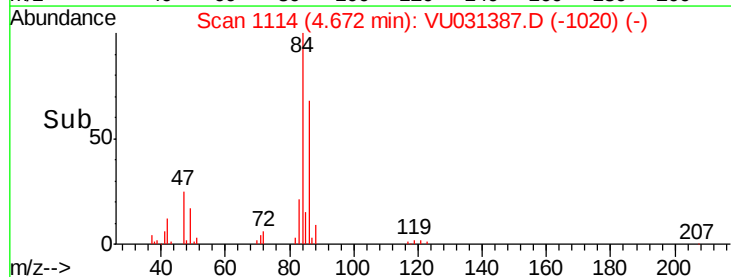
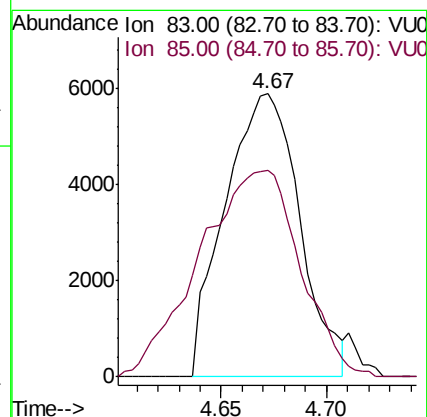
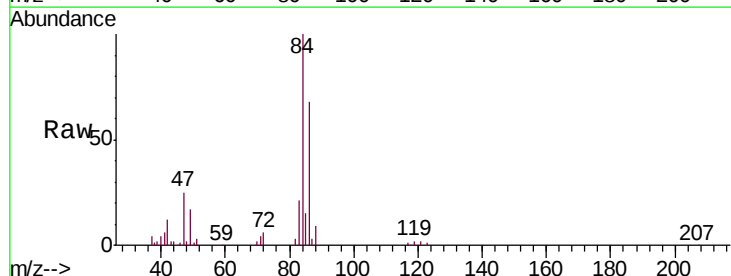
Instrument :
 MSVOA_U
 ClientSampleId :
 C0X14

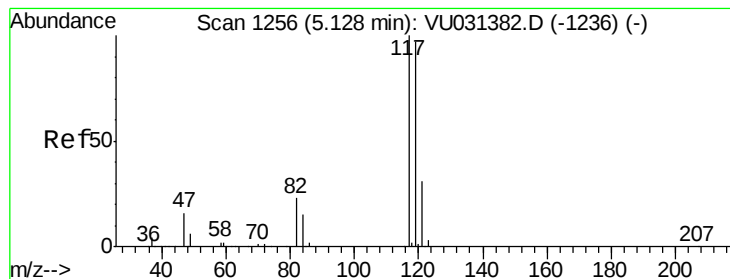
Tgt Ion: 96 Resp: 59989
 Ion Ratio Lower Upper
 96 100
 61 131.0 98.2 182.4
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.494 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VU031387.D
 Acq: 22 Apr 2019 12:28

Tgt Ion: 83 Resp: 14535
 Ion Ratio Lower Upper
 83 100
 85 73.2 44.8 83.2





#31

Carbon tetrachloride

Concen: 1.490 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031387.D

Acq: 22 Apr 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

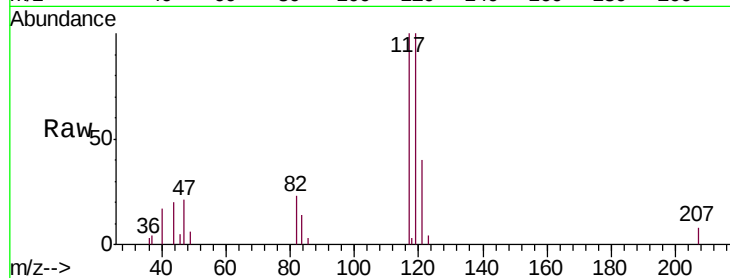
C0X14

Tgt Ion:117 Resp: 10914

Ion Ratio Lower Upper

117 100

119 103.8 78.0 117.0



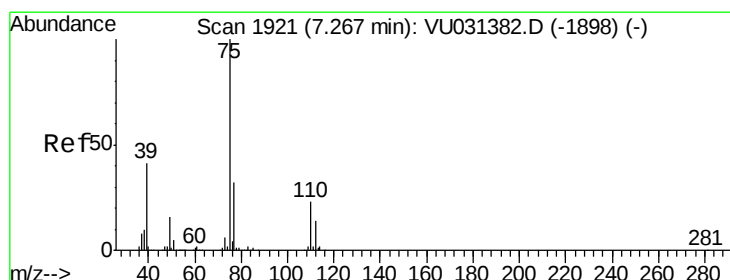
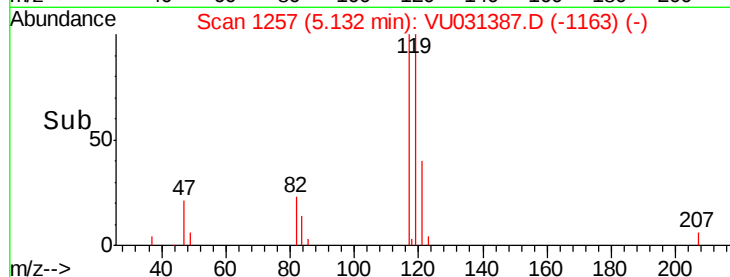
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.13

Time-->

5.05 5.10 5.15 5.20



#39

cis-1,3-Dichloropropene

Concen: 0.670 ug/L

RT: 7.23 min Scan# 1910

Delta R.T. -0.04 min

Lab File: VU031387.D

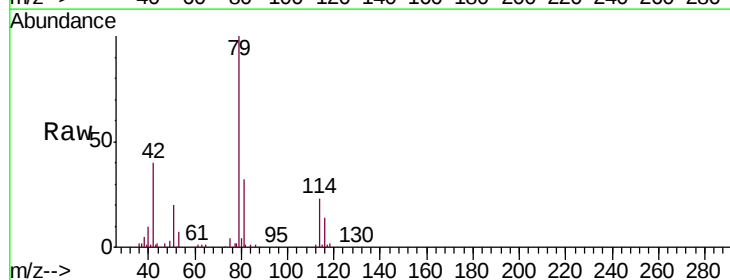
Acq: 22 Apr 2019 12:28

Tgt Ion: 75 Resp: 5725

Ion Ratio Lower Upper

75 100

77 50.0 22.7 42.1#



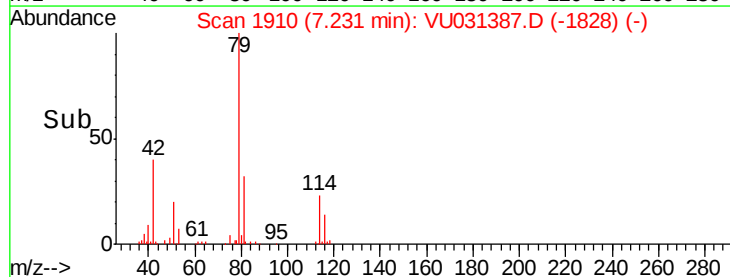
Abundance Ion 75.00 (74.70 to 75.70): VU0

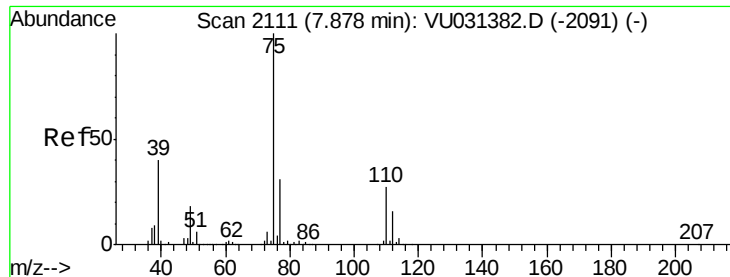
Ion 77.00 (76.70 to 77.70): VU0

7.23

Time-->

7.20 7.25





#44

trans-1,3-Dichloropropene

Concen: 0.533 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031387.D

Acq: 22 Apr 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

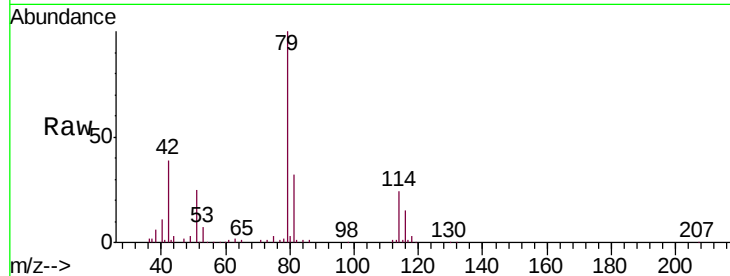
C0X14

Tgt Ion: 75 Resp: 3949

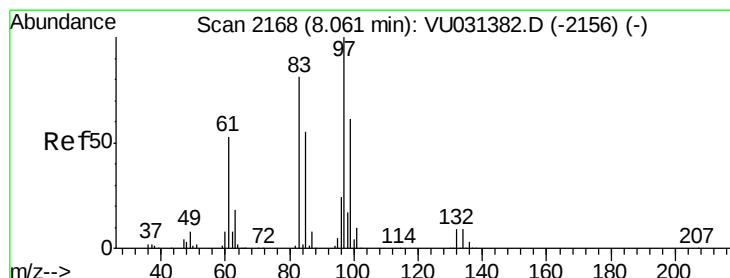
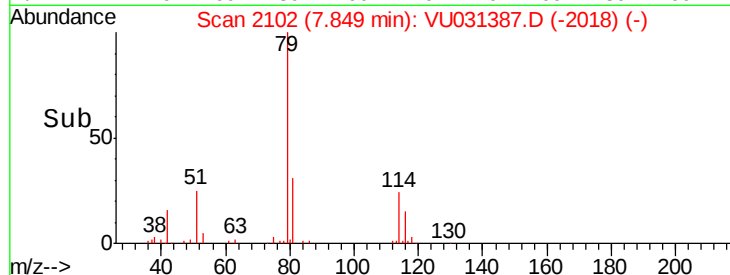
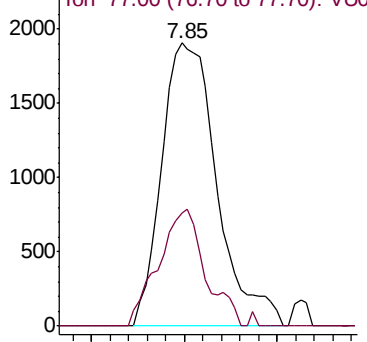
Ion Ratio Lower Upper

75 100

77 40.1 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU031382.D (-2091) (-)



#45

1,1,2-Trichloroethane

Concen: 1.674 ug/L

RT: 8.07 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VU031387.D

Acq: 22 Apr 2019 12:28

Tgt Ion: 97 Resp: 8584

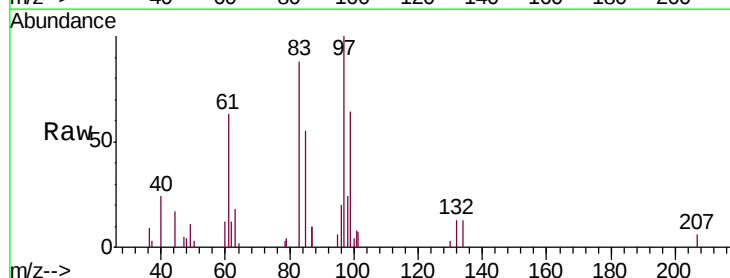
Ion Ratio Lower Upper

97 100

99 64.5 42.2 78.4

83 87.6 59.8 111.1

85 55.4 39.5 73.4

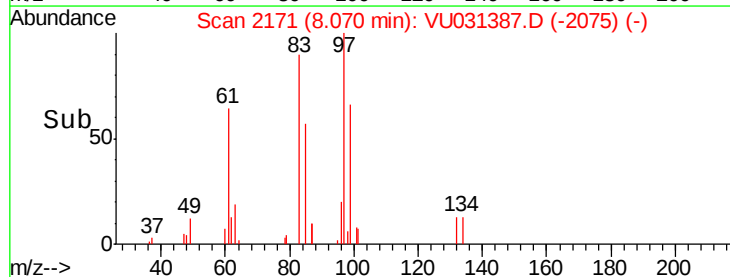
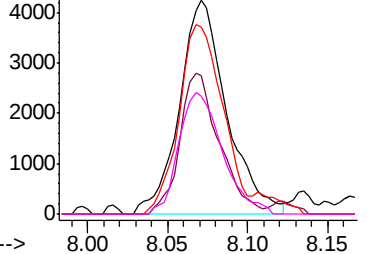


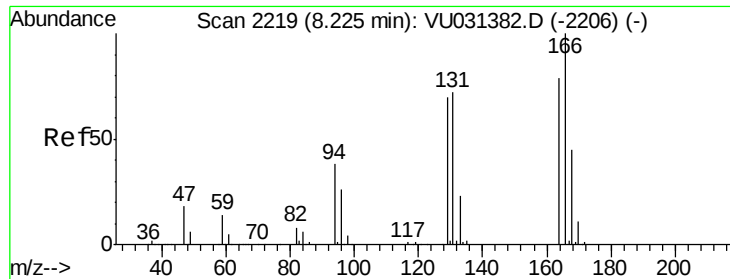
Abundance Ion 97.00 (96.70 to 97.70): VU031382.D (-2156) (-)

Ion 99.00 (98.70 to 99.70): VU031382.D (-2156) (-)

Ion 83.00 (82.70 to 83.70): VU031382.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU031382.D (-2156) (-)

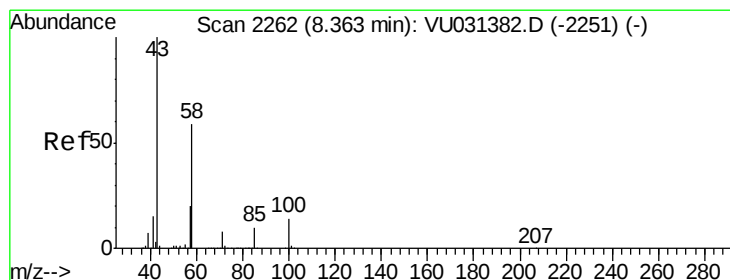
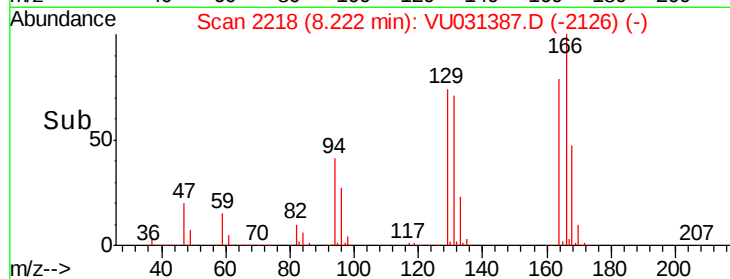
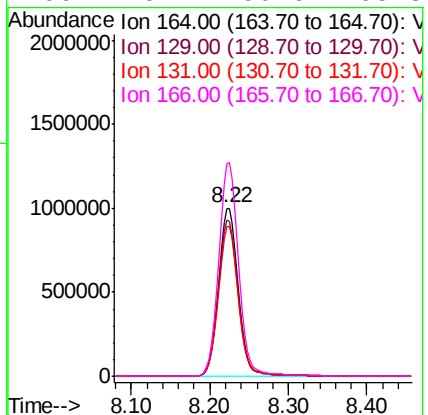
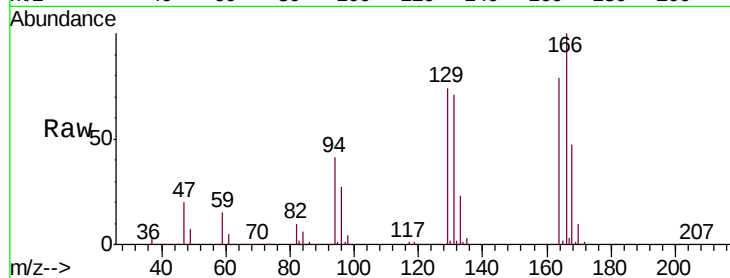




#46
Tetrachloroethene
Concen: 427.446 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU031387.D
Acq: 22 Apr 2019 12:28

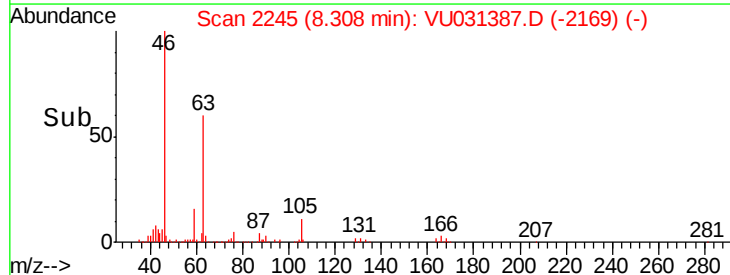
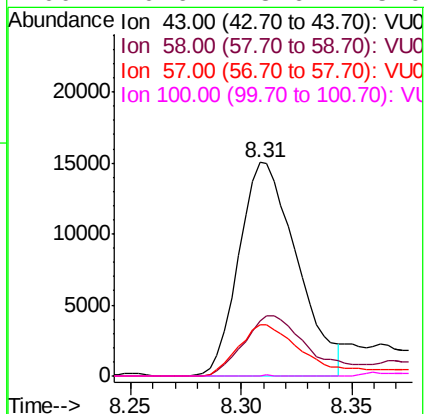
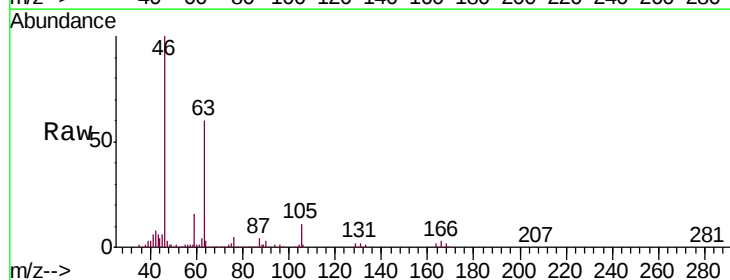
Instrument :
MSVOA_U
ClientSampleId :
C0X14

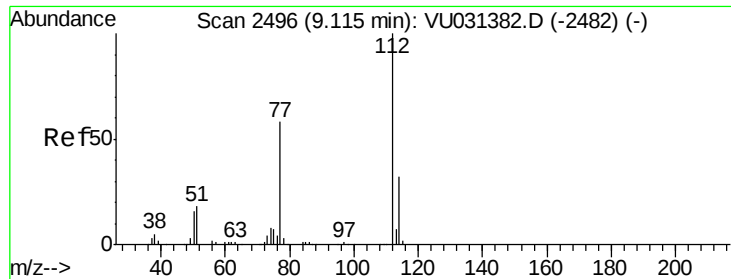
Tgt Ion:164 Resp: 1730731
Ion Ratio Lower Upper
164 100
129 92.8 66.5 123.5
131 89.0 62.3 115.7
166 126.2 90.6 168.3



#48
2-Hexanone
Concen: 4.308 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU031387.D
Acq: 22 Apr 2019 12:28

Tgt Ion: 43 Resp: 27546
Ion Ratio Lower Upper
43 100
58 31.3 44.9 67.3#
57 26.5 15.1 22.7#
100 0.6 8.6 13.0#

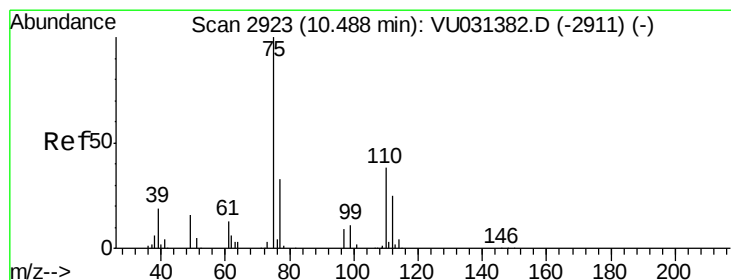
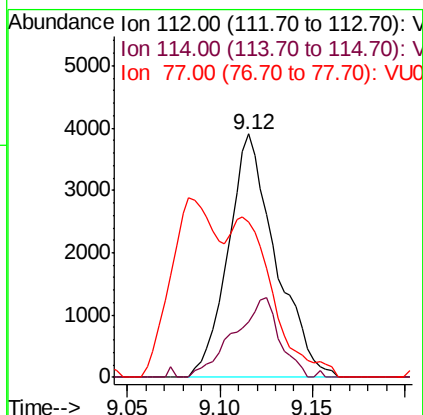
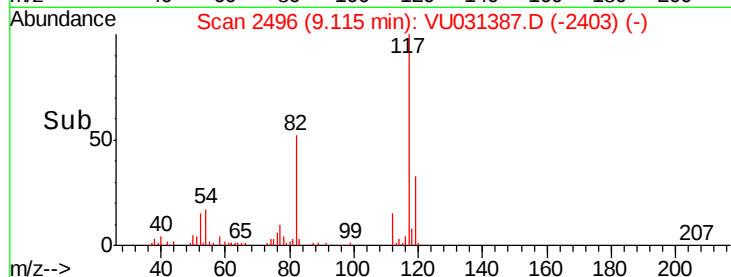
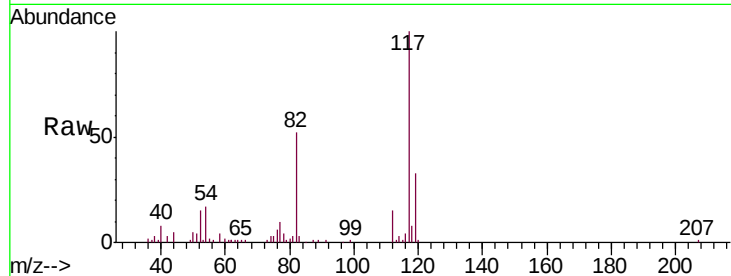




#51
Chlorobenzene
Concen: 0.520 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU031387.D
Acq: 22 Apr 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :
C0X14

Tgt Ion: 112 Resp: 6952
Ion Ratio Lower Upper
112 100
114 23.0 21.6 40.0
77 63.7 49.0 73.4



#59
1,2,3-Trichloropropane
Concen: 4.236 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031387.D
Acq: 22 Apr 2019 12:28

Tgt Ion: 75 Resp: 28707
Ion Ratio Lower Upper
75 100
77 38.0 25.4 38.2

