

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031018.D
 Acq On : 10 Apr 2019 18:04
 Operator : JC/SP
 Sample : K2249-13DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE3DL

Quant Time: Apr 11 05:22:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	448319	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	453737	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	187015	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	219377	54.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.64%
7) Chloroethane-d5	1.68	69	174898	57.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.16%
11) 1,1-Dichloroethene-d2	2.27	63	308969	42.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.36%
21) 2-Butanone-d5	4.17	46	356564	112.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.42%
24) Chloroform-d	4.64	84	345076	56.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.90%
26) 1,2-Dichloroethane-d4	5.30	65	239847	57.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.00%
32) Benzene-d6	5.33	84	713389	53.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.72%
36) 1,2-Dichloropropane-d6	6.32	67	243632	53.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.34%
41) Toluene-d8	7.56	98	608926	51.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.72%
43) trans-1,3-Dichloropropene-	7.85	79	104574	50.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.04%
47) 2-Hexanone-d5	8.31	63	206433	99.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	334293	54.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	204544	55.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.22%

Target Compounds

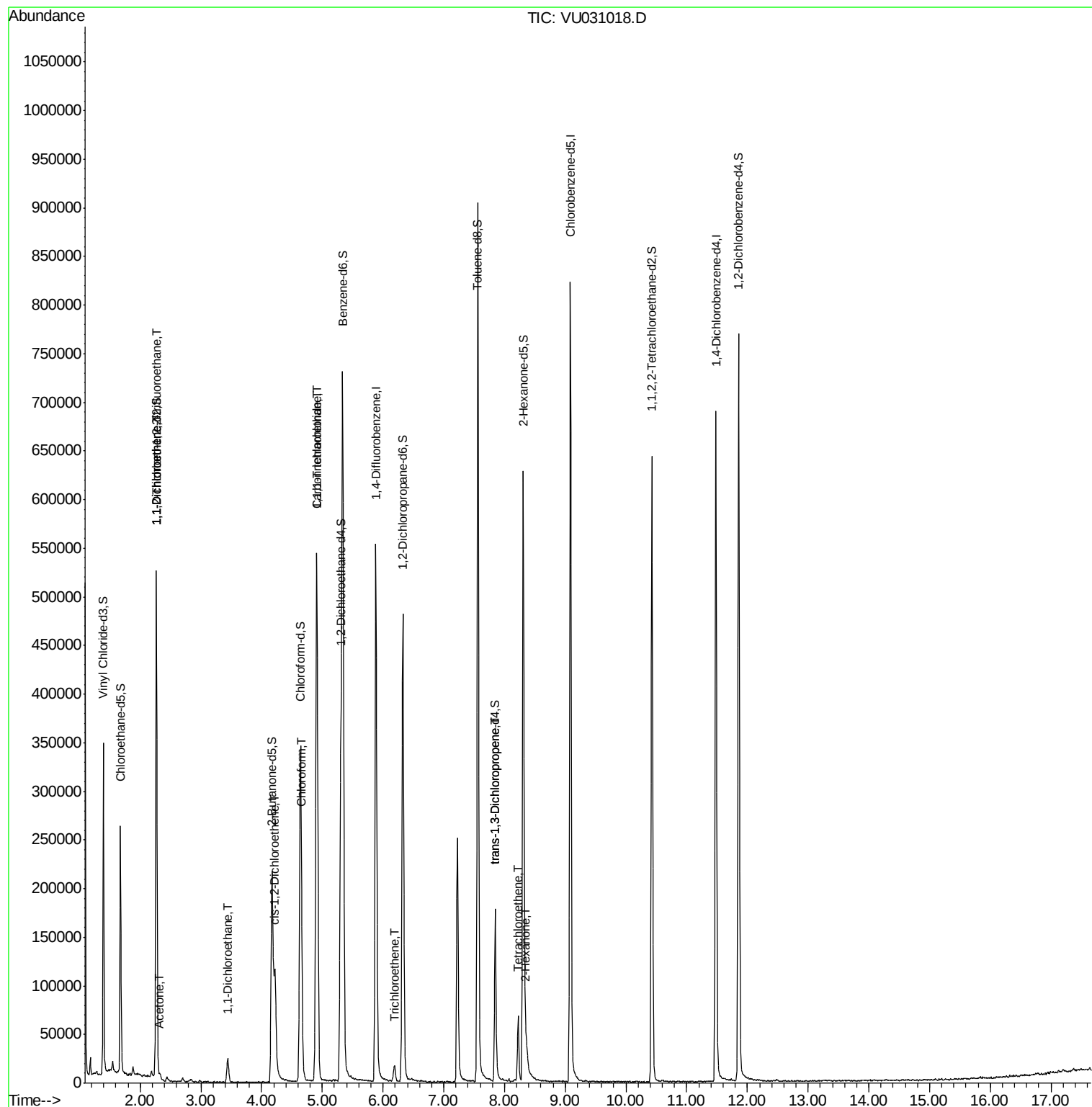
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2978	0.928	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	8711	2.811	ug/L #	1
13) Acetone	2.32	43	1847	0.569	ug/L	91
19) 1,1-Dichloroethane	3.44	63	26277	3.870	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	51959	14.301	ug/L	85
25) Chloroform	4.67	83	17756	2.602	ug/L	91
30) 1,1,1-Trichloroethane	4.91	97	429993	77.761	ug/L	99
31) Carbon tetrachloride	4.91	117	54237	11.382	ug/L	99
34) Trichloroethene	6.19	95	5974	1.640	ug/L	90
44) trans-1,3-Dichloropropene	7.85	75	4592	0.871	ug/L	98
46) Tetrachloroethene	8.22	164	14697	5.551	ug/L	95
48) 2-Hexanone	8.36	43	8855	1.679	ug/L #	83

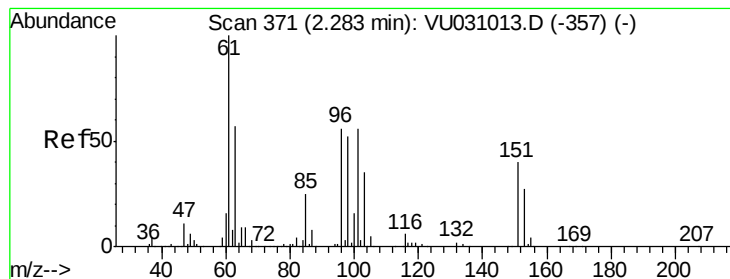
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.928 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031018.D

Acq: 10 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

E3YE3DL

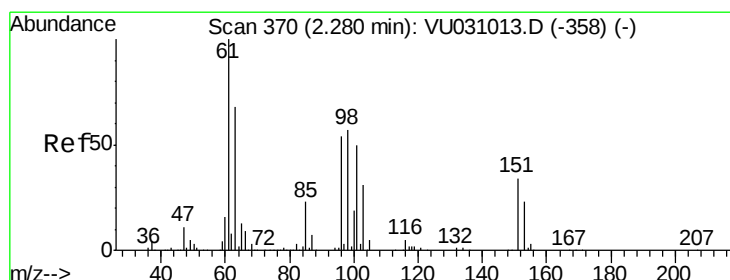
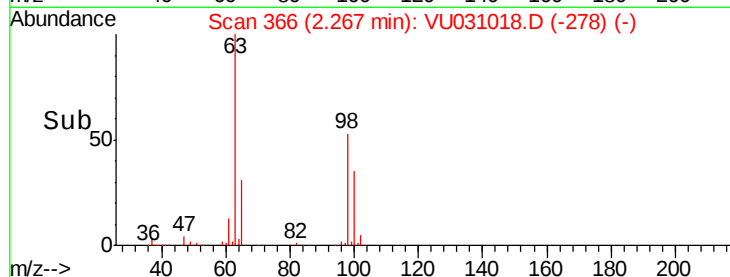
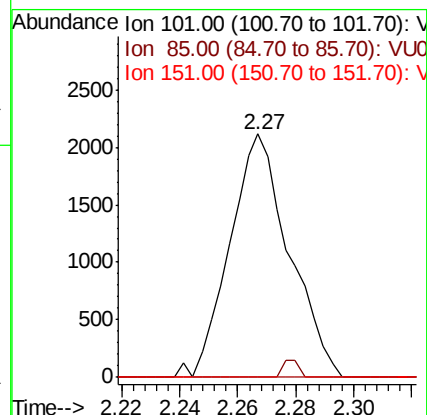
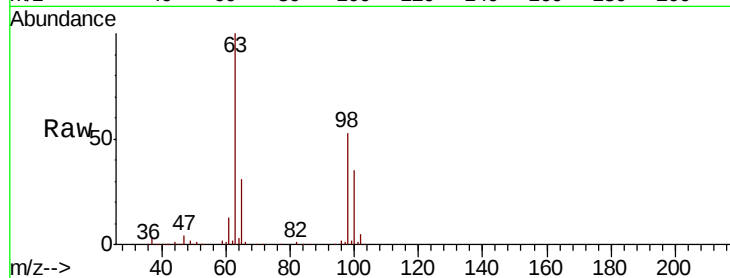
Tot Ion:101 Resp: 2978

Ion Ratio Lower Upper

101 100

85 1.9 36.8 55.2#

151 0.0 57.4 86.0#



#12

1,1-Dichloroethene

Concen: 2.811 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031018.D

Acq: 10 Apr 2019 18:04

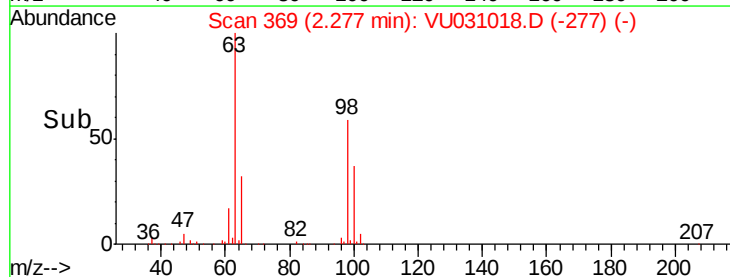
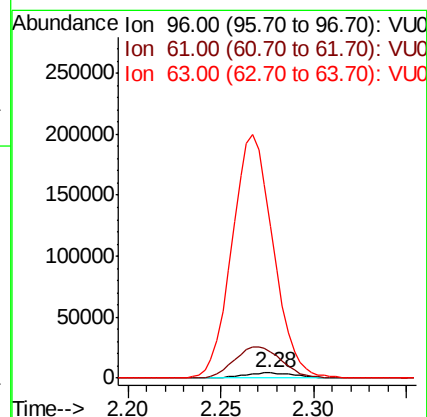
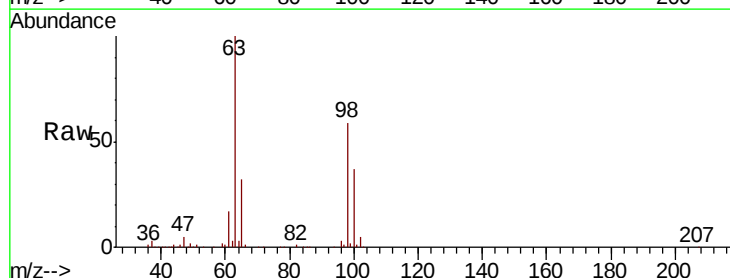
Tgt Ion: 96 Resp: 8711

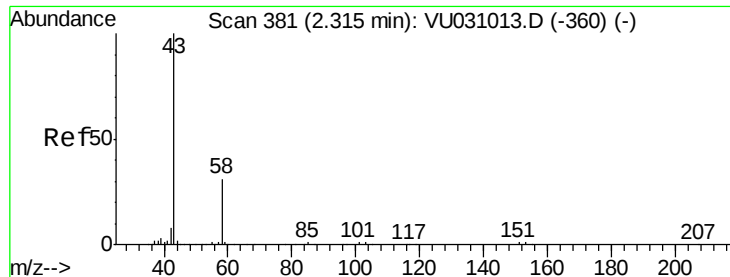
Ion Ratio Lower Upper

96 100

61 512.4 132.0 245.2#

63 2948.3 90.9 168.9#





#13

Acetone

Concen: 0.569 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VU031018.D

Acq: 10 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

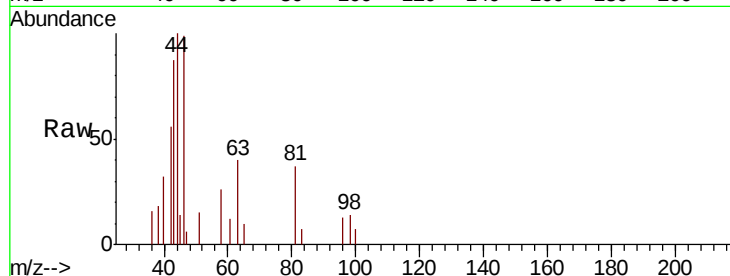
E3YE3DL

Tot Ion: 43 Resp: 1847

Ion Ratio Lower Upper

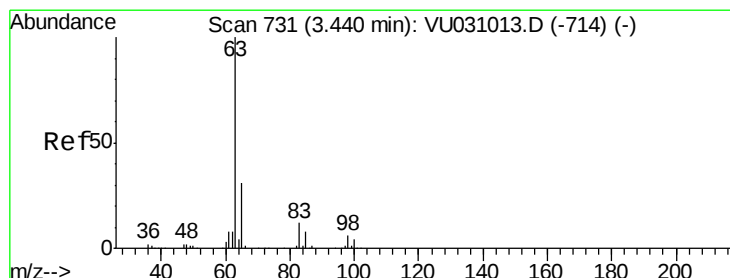
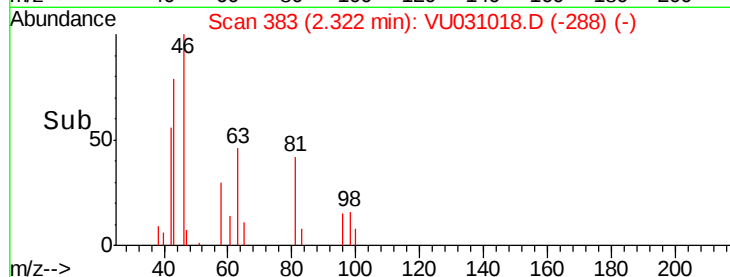
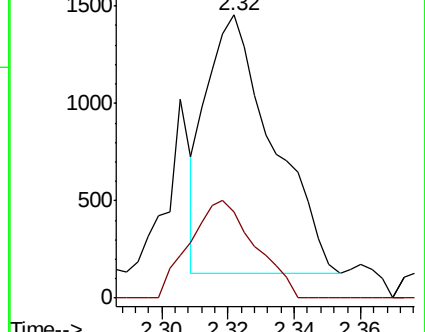
43 100

58 37.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031018.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU031018.D (-360) (-)



#19

1,1-Dichloroethane

Concen: 3.870 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU031018.D

Acq: 10 Apr 2019 18:04

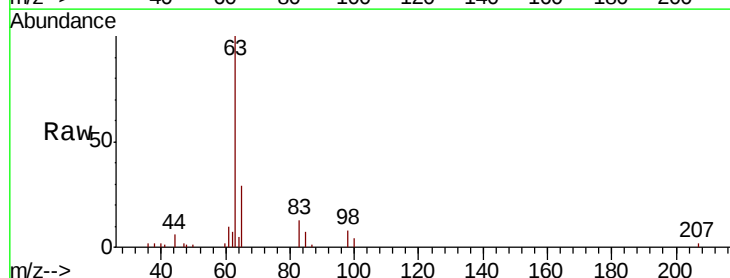
Tgt Ion: 63 Resp: 26277

Ion Ratio Lower Upper

63 100

65 28.9 21.4 39.8

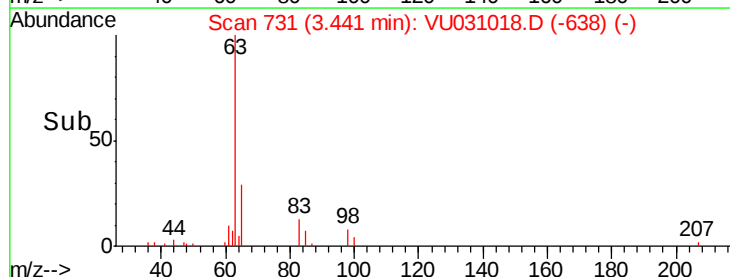
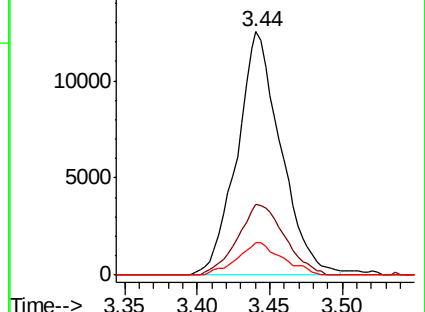
83 13.3 8.5 15.7

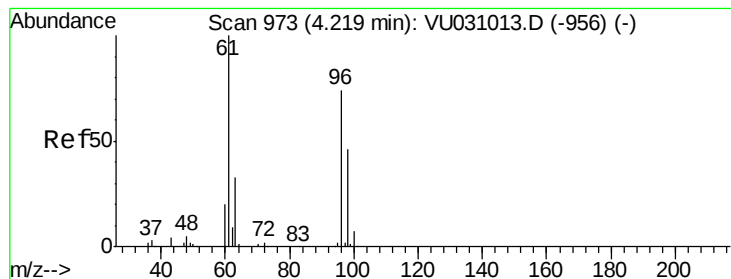


Abundance Ion 63.00 (62.70 to 63.70): VU031018.D (-638) (-)

Ion 65.00 (64.70 to 65.70): VU031018.D (-638) (-)

Ion 83.00 (82.70 to 83.70): VU031018.D (-638) (-)



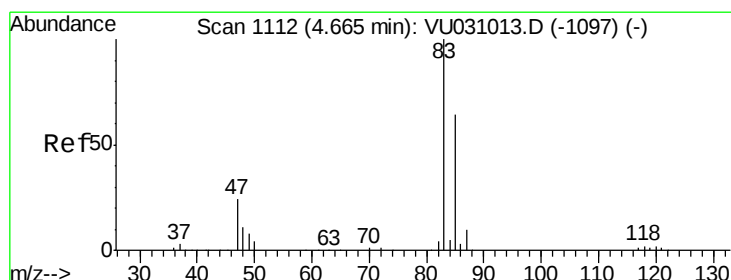
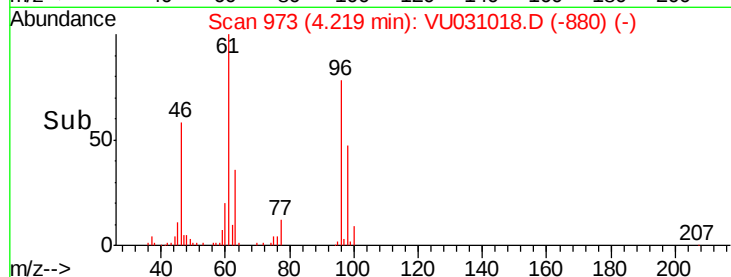
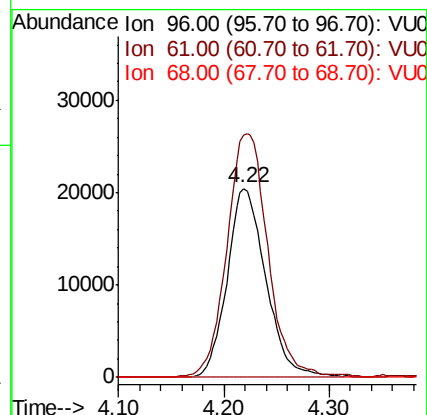
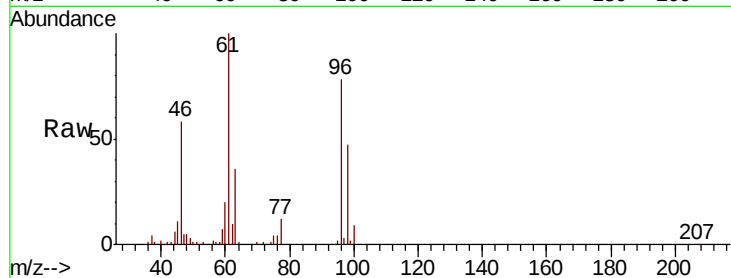


#20

cis-1,2-Dichloroethene
 Concen: 14.301 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031018.D
 Acq: 10 Apr 2019 18:04

Instrument :
 MSVOA_U
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 E3YE3DL

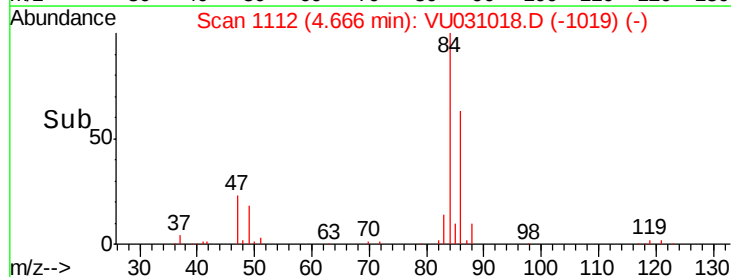
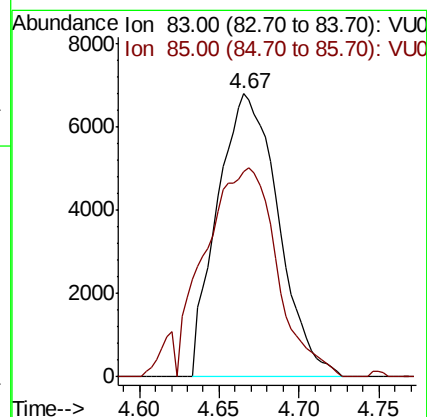
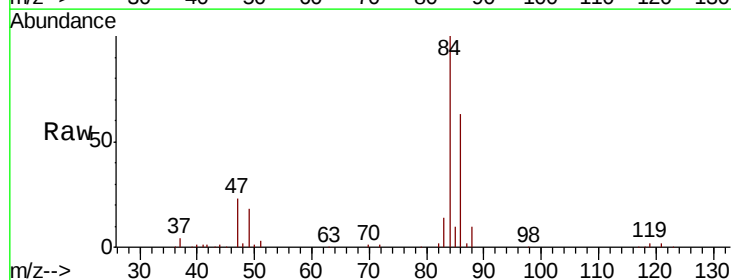
Tot Ion	96	Resp	51959
Ion	Ratio	Lower	Upper
96	100		
61	128.4	102.9	191.1
68	0.0	0.0	0.0

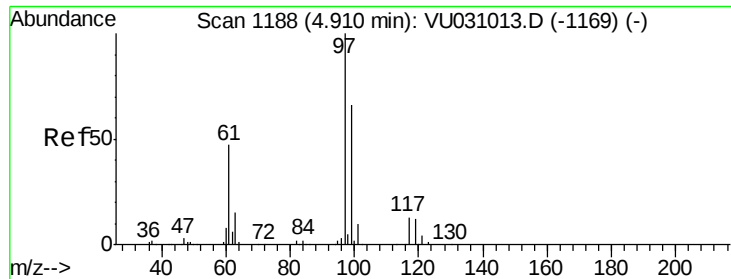


#25

Chloroform
 Concen: 2.602 ug/L
 RT: 4.67 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: VU031018.D
 Acq: 10 Apr 2019 18:04

Tgt Ion	83	Resp	17756
Ion	Ratio	Lower	Upper
83	100		
85	72.3	45.8	85.0

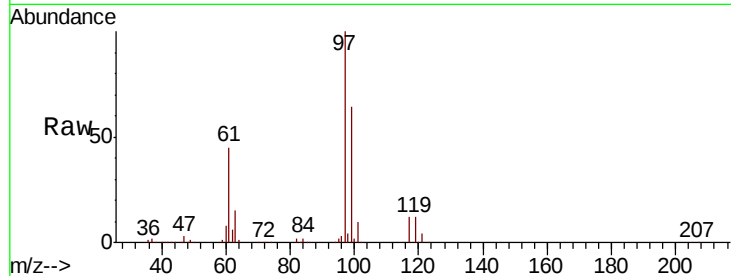




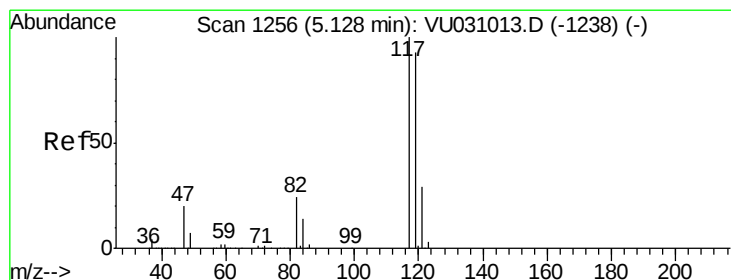
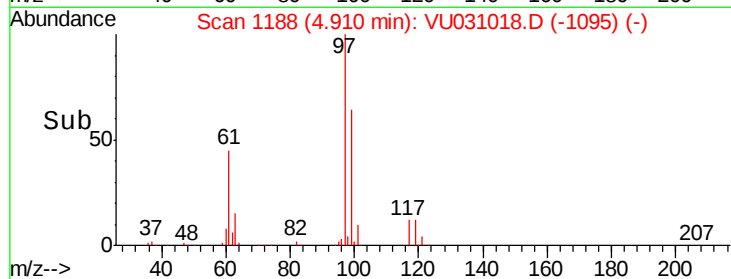
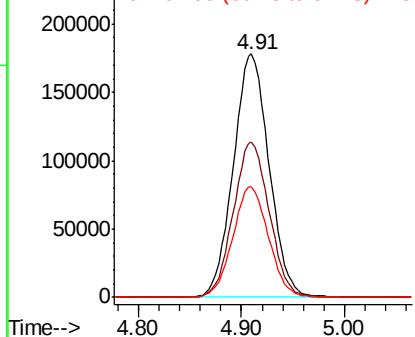
#30
 1,1,1-Trichloroethane
 Concen: 77.761 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU031018.D
 Acq: 10 Apr 2019 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE3DL

Tot Ion: 97 Resp: 429993
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.4 77.2
 61 45.4 37.1 55.7

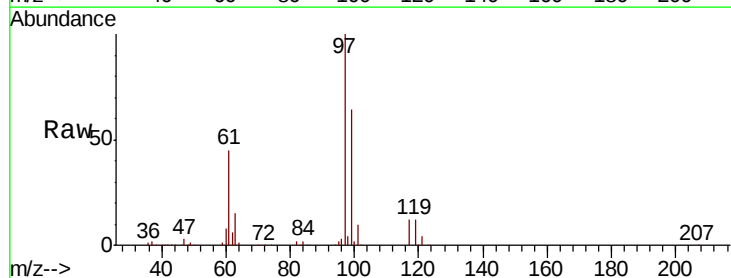


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

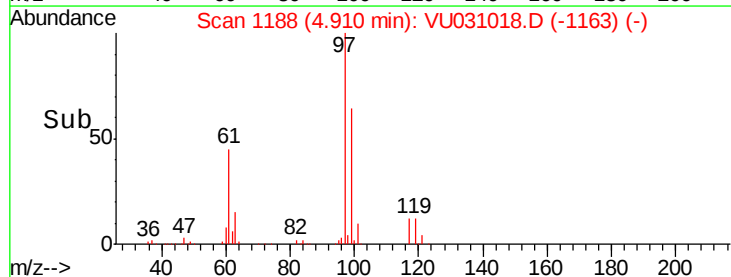
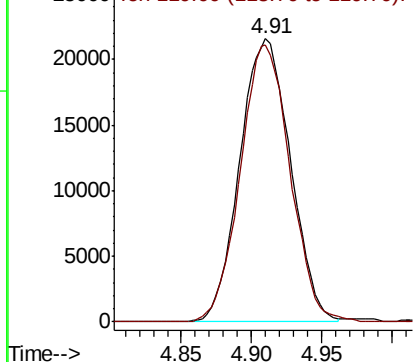


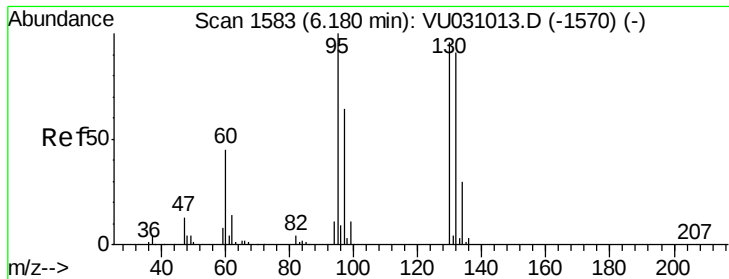
#31
 Carbon tetrachloride
 Concen: 11.382 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.22 min
 Lab File: VU031018.D
 Acq: 10 Apr 2019 18:04

Tgt Ion: 117 Resp: 54237
 Ion Ratio Lower Upper
 117 100
 119 95.8 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V

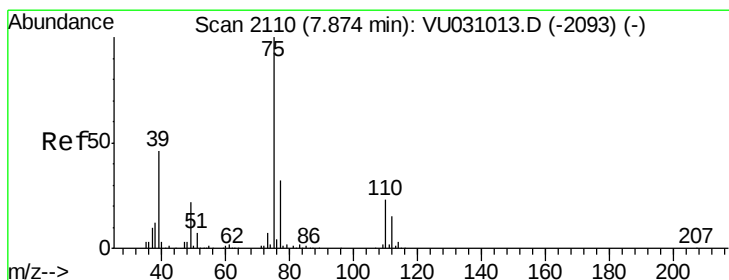
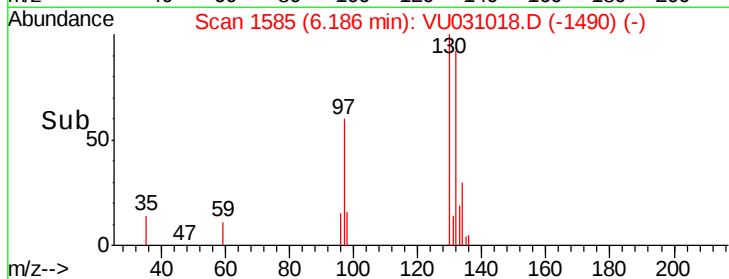
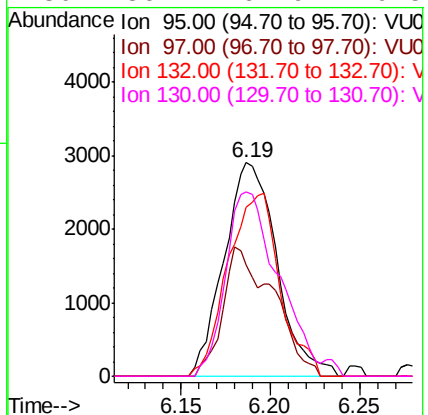
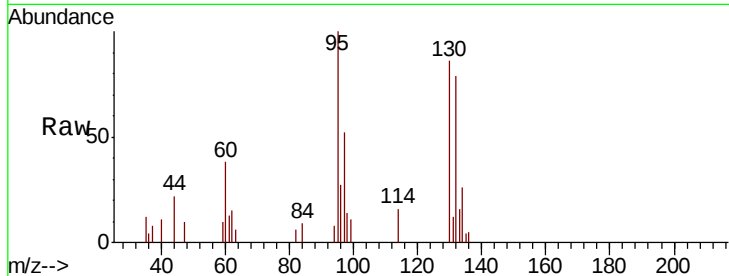




#34
 Trichloroethene
 Concen: 1.640 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU031018.D
 Acq: 10 Apr 2019 18:04

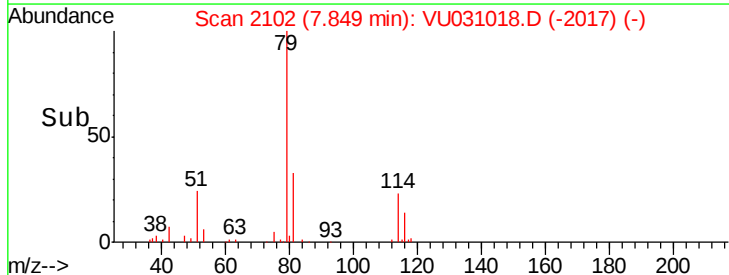
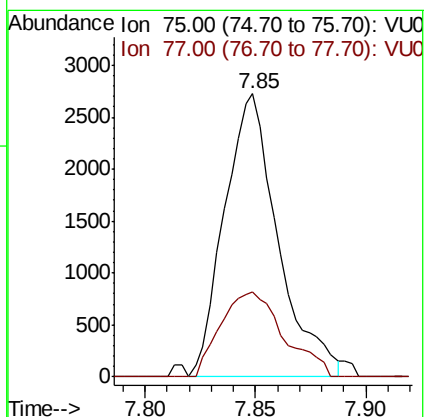
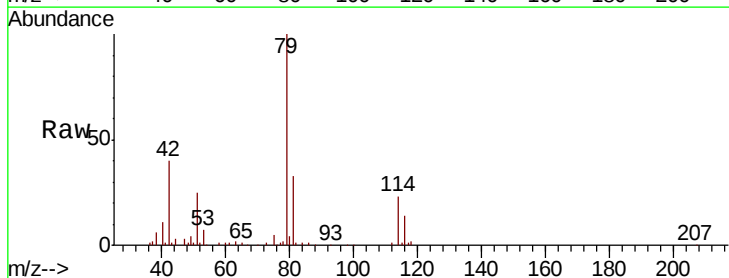
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 ClientSampleId :
 E3YE3DL

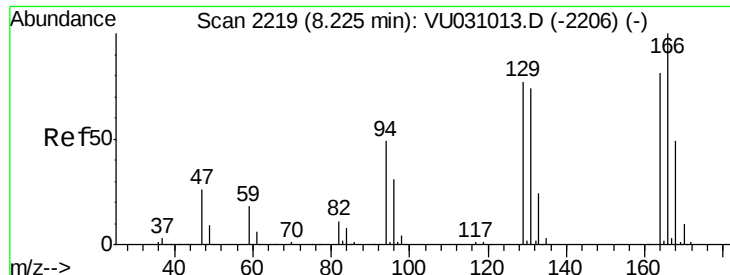
Tot Ion:	95	Resp:	5974
Ion	Ratio	Lower	Upper
95	100		
97	52.0	44.5	82.7
132	78.9	61.5	114.1
130	86.2	64.9	120.5



#44
 trans-1,3-Dichloropropene
 Concen: 0.871 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU031018.D
 Acq: 10 Apr 2019 18:04

Tgt Ion:	75	Resp:	4592
Ion	Ratio	Lower	Upper
75	100		
77	29.9	21.6	40.0





#46

Tetrachloroethene

Concen: 5.551 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031018.D

Acq: 10 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

E3YE3DL

Tot Ion:164 Resp: 14697

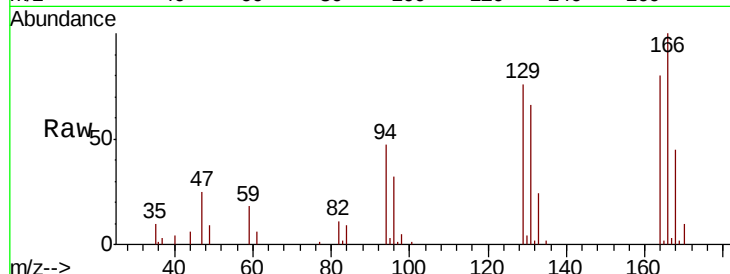
Ion Ratio Lower Upper

164 100

129 95.0 67.4 125.2

131 81.9 65.9 122.5

166 124.8 88.6 164.6

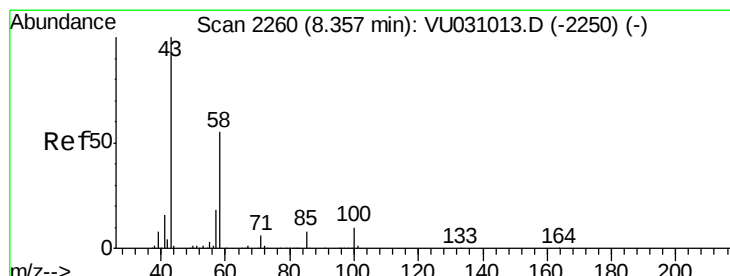
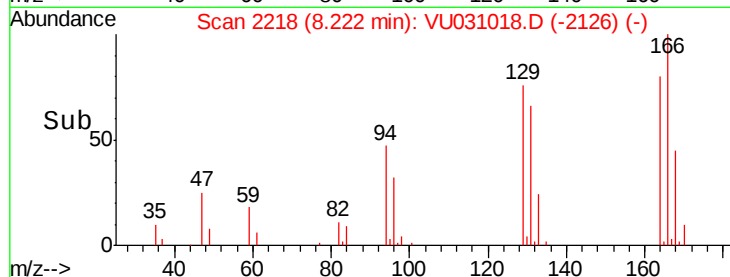
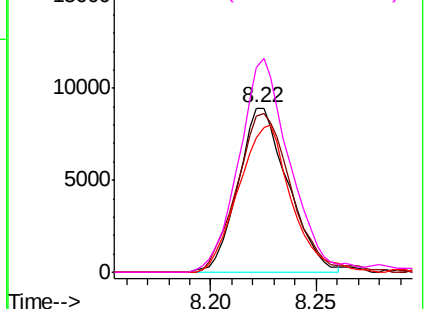


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 1.679 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. 0.00 min

Lab File: VU031018.D

Acq: 10 Apr 2019 18:04

Tgt Ion: 43 Resp: 8855

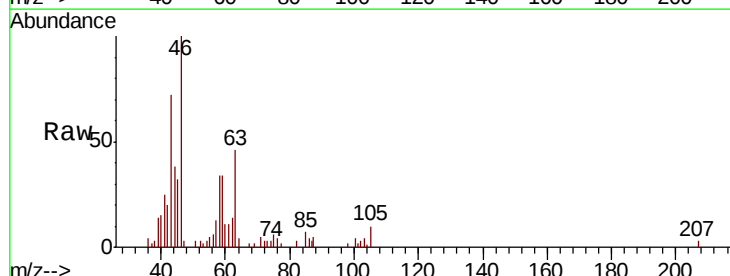
Ion Ratio Lower Upper

43 100

58 63.3 41.9 62.9#

57 29.0 14.3 21.5#

100 4.5 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

