

Data File : VU031417.D
Acq On : 23 Apr 2019 02:21
Operator : JC/SP
Sample : K2478-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0XG1

Quant Time: Apr 23 05:36:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	685932	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	641319	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	271380	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	279800	50.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.68%
7) Chloroethane-d5	1.68	69	222923	52.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.36%
11) 1,1-Dichloroethene-d2	2.27	63	390606	40.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.80%
21) 2-Butanone-d5	4.19	46	451549	108.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.67%
24) Chloroform-d	4.64	84	433835	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.96%
26) 1,2-Dichloroethane-d4	5.31	65	275807	51.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.98%
32) Benzene-d6	5.34	84	965677	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.24%
36) 1,2-Dichloropropane-d6	6.33	67	298281	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.06%
41) Toluene-d8	7.56	98	852693	51.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.06%
43) trans-1,3-Dichloropropene-	7.85	79	135664	49.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.88%
47) 2-Hexanone-d5	8.31	63	330003	110.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	433912	53.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.30%
64) 1,2-Dichlorobenzene-d4	11.85	152	298264	53.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.54%

Target Compounds

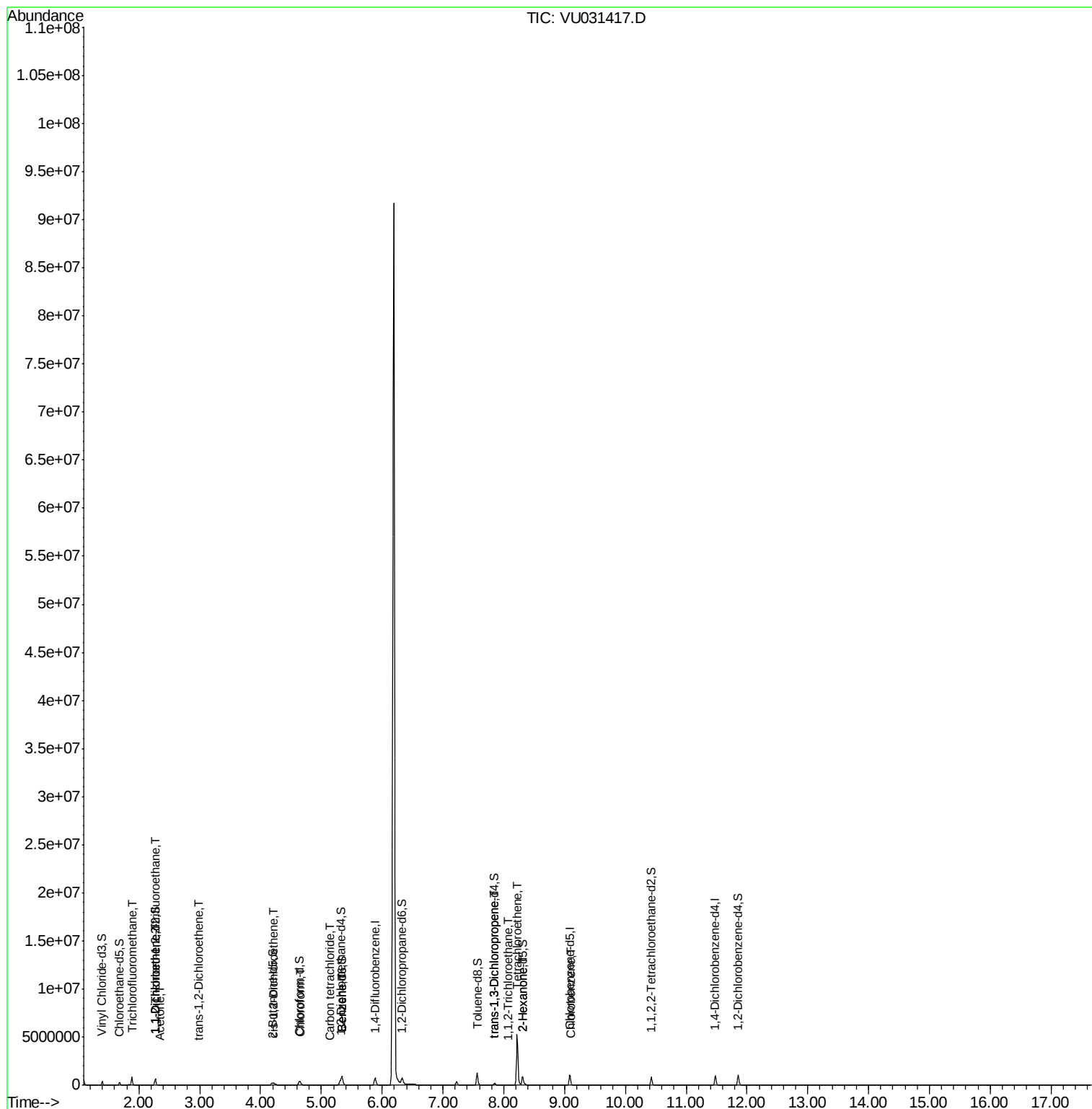
					Qvalue
9) Trichlorofluoromethane	1.88	101	514413	70.252 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3998	0.941 ug/L #	19
12) 1,1-Dichloroethene	2.28	96	5313	1.271 ug/L #	1
13) Acetone	2.36	43	7299	2.237 ug/L	92
17) trans-1,2-Dichloroethene	2.98	96	4860	1.128 ug/L	78
20) cis-1,2-Dichloroethene	4.22	96	51432	10.518 ug/L	91
25) Chloroform	4.67	83	13539	1.667 ug/L	84
31) Carbon tetrachloride	5.13	117	8254	1.410 ug/L	88
33) Benzene	5.34	78	7558	0.407 ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	5154	0.808 ug/L	85
45) 1,1,2-Trichloroethane	8.07	97	7420	1.634 ug/L	88
46) Tetrachloroethene	8.22	164	1291832	370.576 ug/L	99
48) 2-Hexanone	8.31	43	33570	5.727 ug/L #	78
51) Chlorobenzene	9.12	112	6099	0.510 ug/L	94

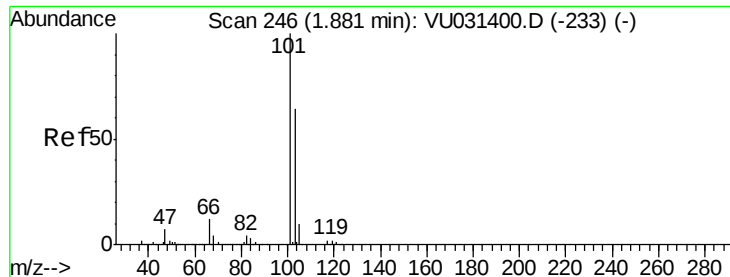
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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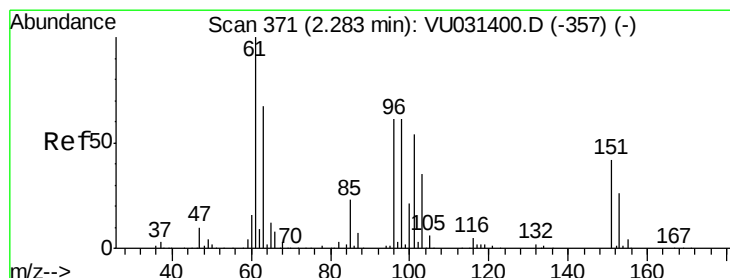
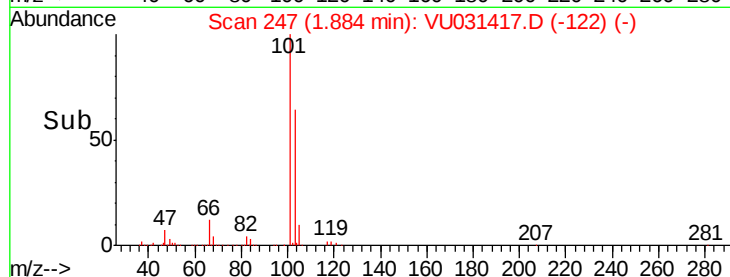
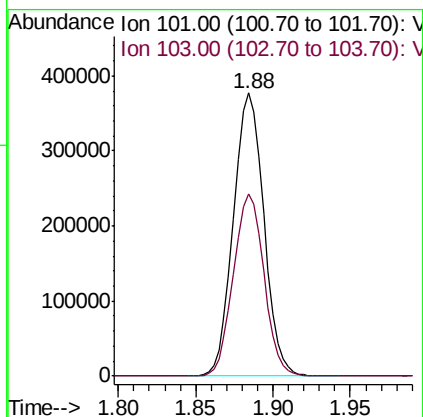
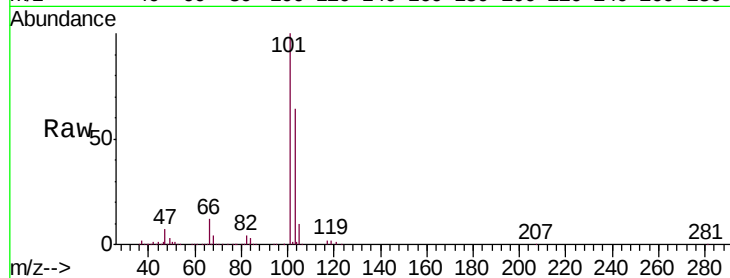


#9

Trichlorofluoromethane
 Concen: 70.252 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031417.D
 Acq: 23 Apr 2019 02:21

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XG1

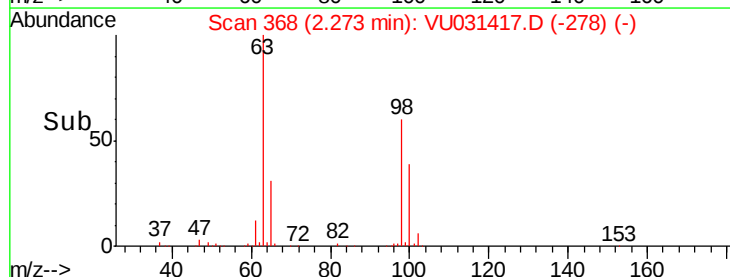
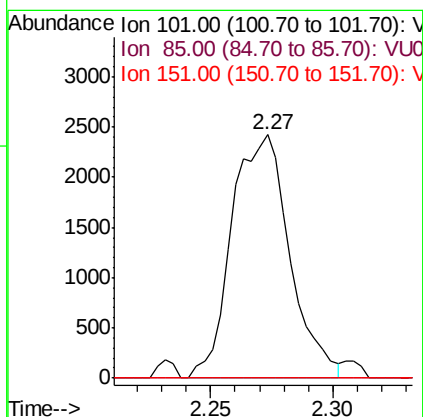
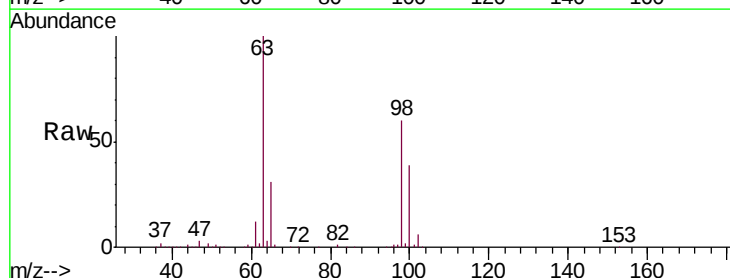
Tgt Ion:101 Resp: 514413
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.4 77.2

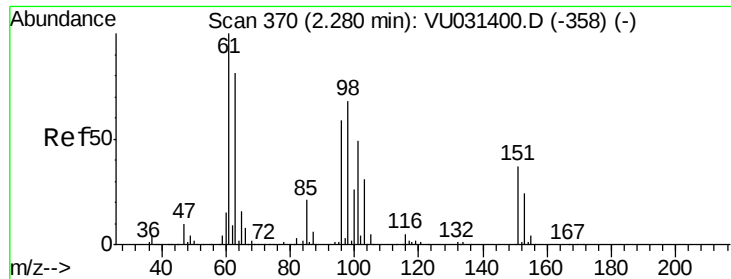


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.941 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VU031417.D
 Acq: 23 Apr 2019 02:21

Tgt Ion:101 Resp: 3998
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.1 49.7#
 151 0.0 61.4 92.0#





#12

1,1-Dichloroethene

Concen: 1.271 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031417.D

Acq: 23 Apr 2019 02:21

Instrument :

MSVOA_U

ClientSampleId :

C0XG1

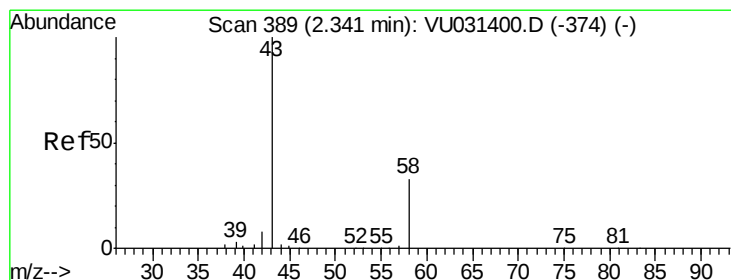
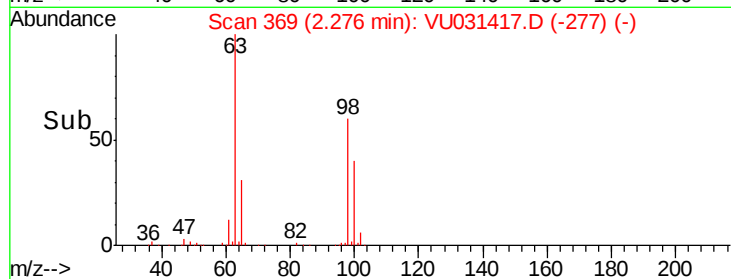
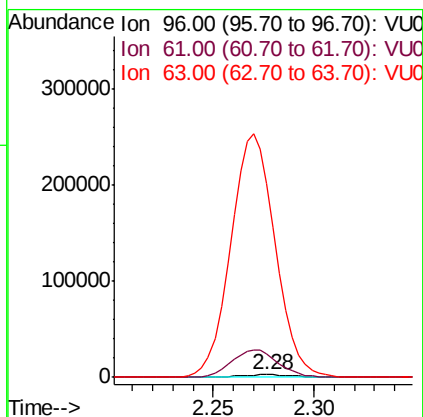
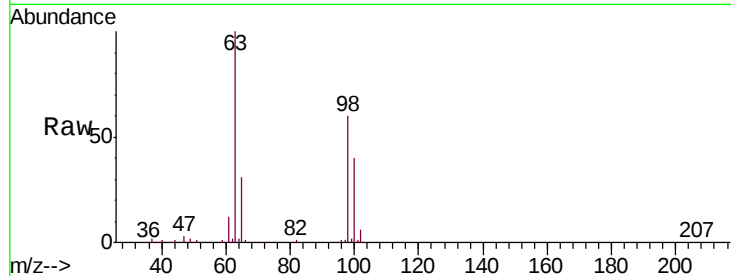
Tgt Ion: 96 Resp: 5313

Ion Ratio Lower Upper

96 100

61 815.7 118.9 220.9#

63 6737.0 99.3 184.3#



#13

Acetone

Concen: 2.237 ug/L

RT: 2.36 min Scan# 394

Delta R.T. 0.02 min

Lab File: VU031417.D

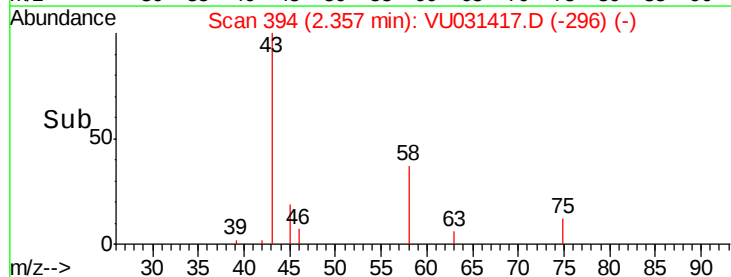
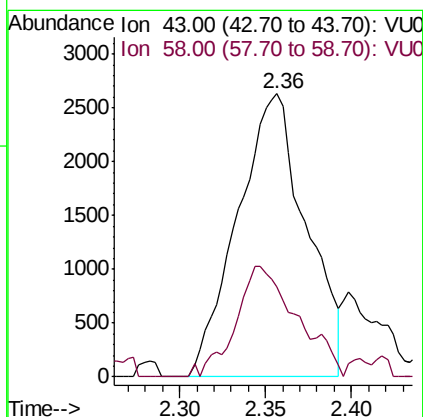
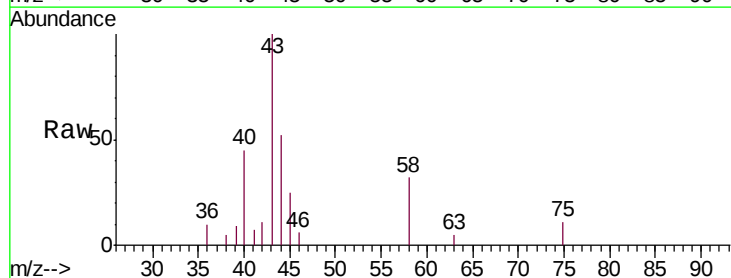
Acq: 23 Apr 2019 02:21

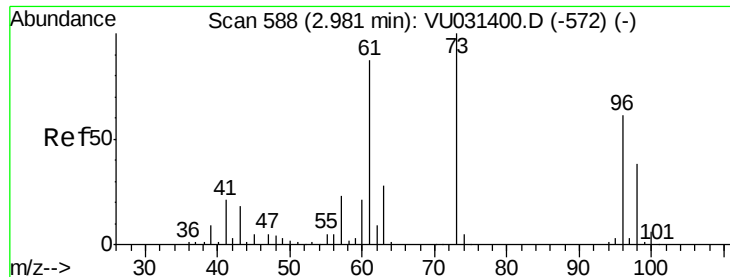
Tgt Ion: 43 Resp: 7299

Ion Ratio Lower Upper

43 100

58 28.8 0.0 66.4





#17

trans-1,2-Dichloroethene

Concen: 1.128 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU031417.D

Acq: 23 Apr 2019 02:21

Instrument :

MSVOA_U

ClientSampleId :

C0XG1

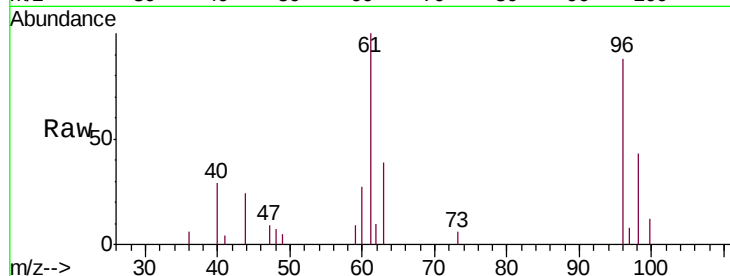
Tgt Ion: 96 Resp: 4860

Ion Ratio Lower Upper

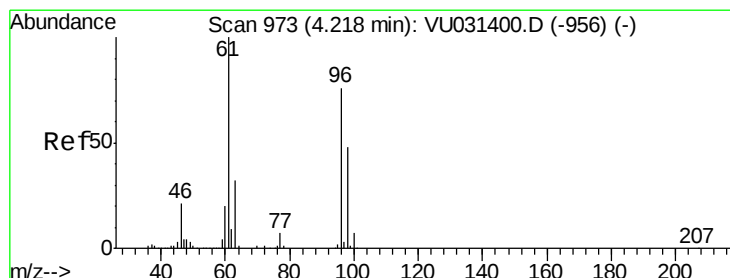
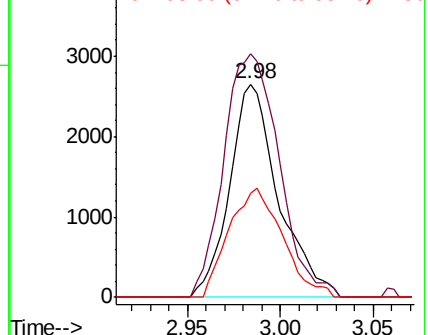
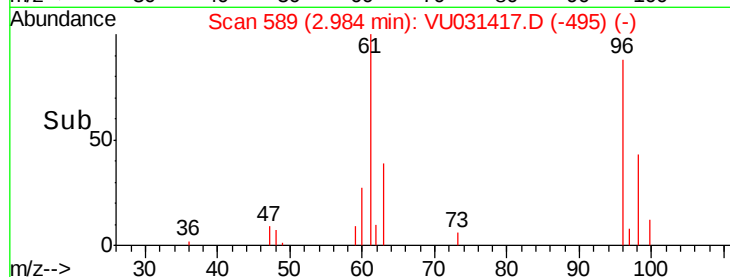
96 100

61 114.2 100.3 186.3

98 48.9 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU031417.D (-495) (-)



#20

cis-1,2-Dichloroethene

Concen: 10.518 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031417.D

Acq: 23 Apr 2019 02:21

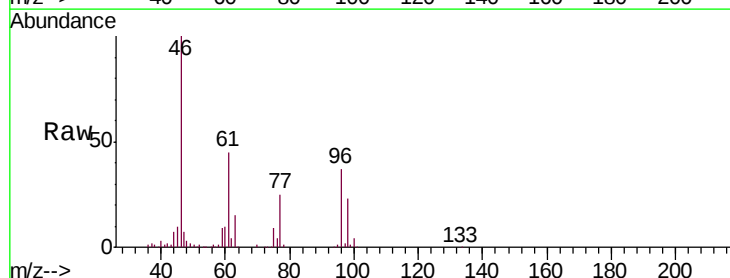
Tgt Ion: 96 Resp: 51432

Ion Ratio Lower Upper

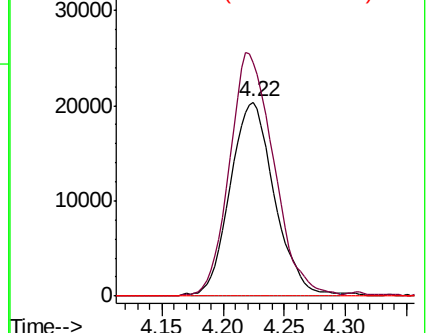
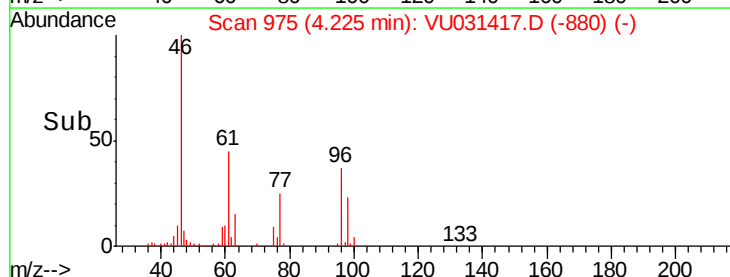
96 100

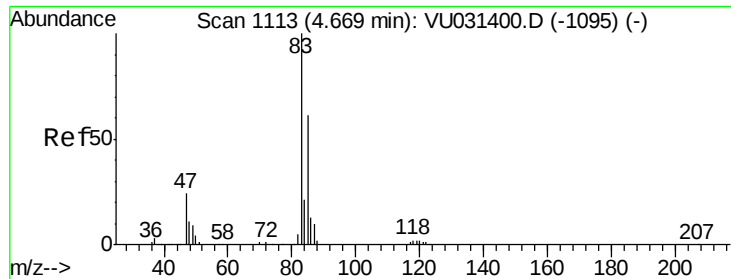
61 120.4 91.9 170.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031417.D (-880) (-)

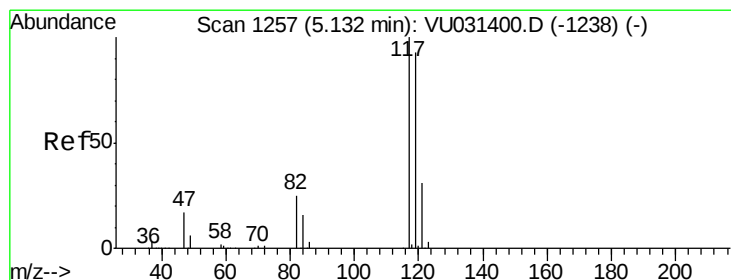
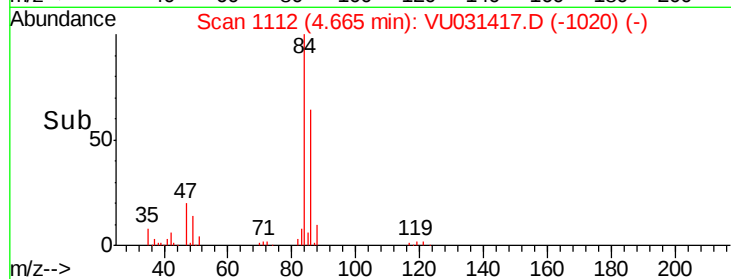
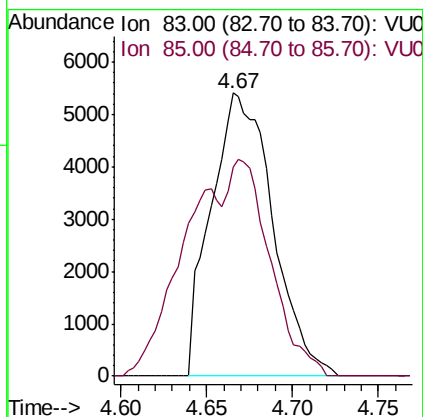
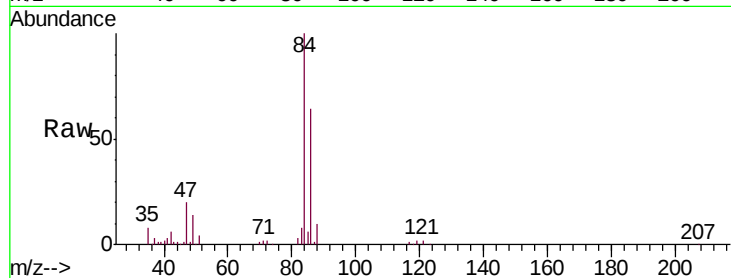




#25
Chloroform
Concen: 1.667 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU031417.D
Acq: 23 Apr 2019 02:21

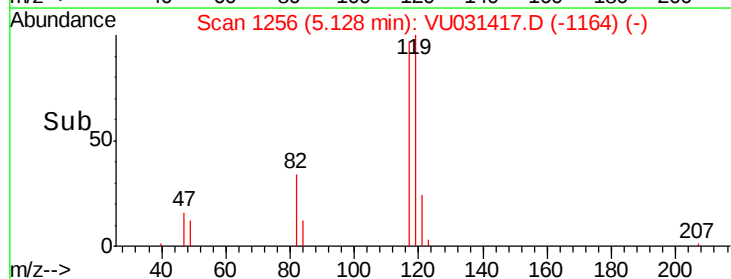
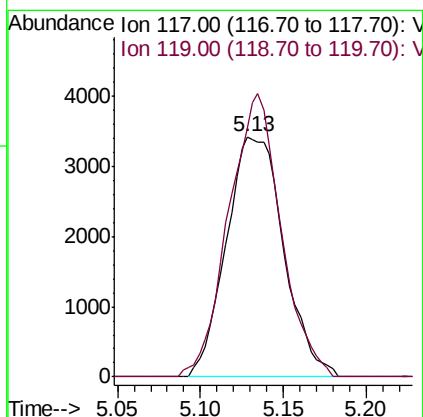
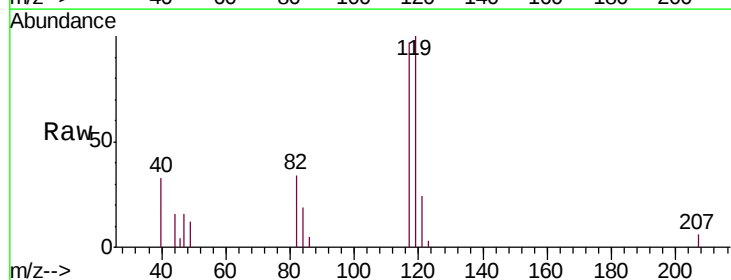
Instrument :
MSVOA_U
ClientSampleId :
C0XG1

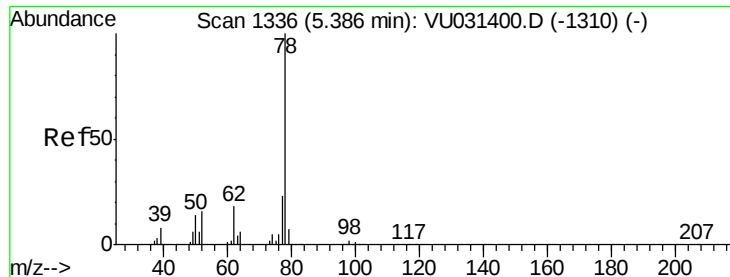
Tgt Ion: 83 Resp: 13539
Ion Ratio Lower Upper
83 100
85 73.7 43.0 79.8



#31
Carbon tetrachloride
Concen: 1.410 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU031417.D
Acq: 23 Apr 2019 02:21

Tgt Ion: 117 Resp: 8254
Ion Ratio Lower Upper
117 100
119 107.3 76.2 114.4

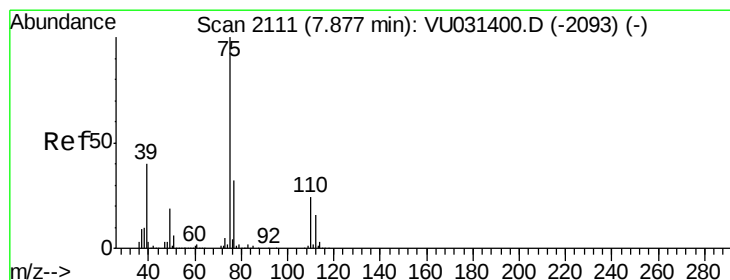
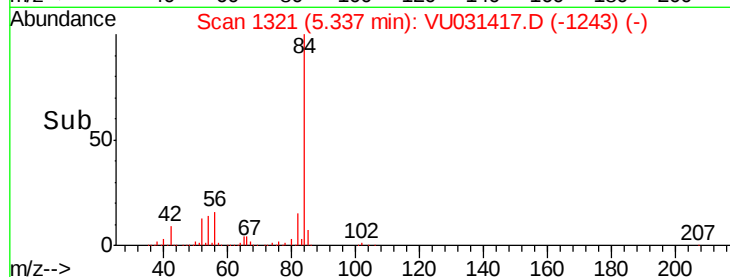
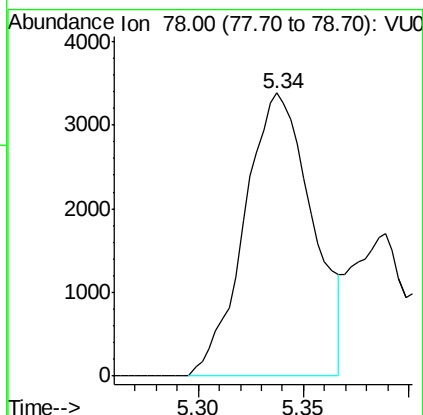
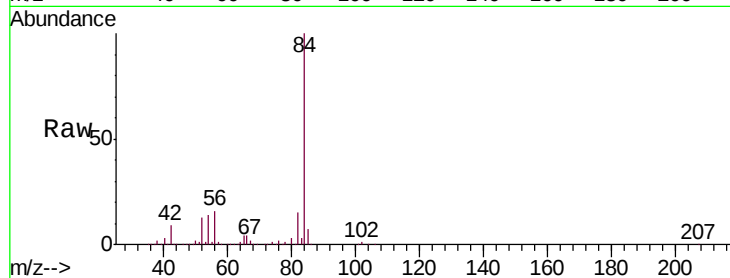




#33
Benzene
Concen: 0.407 ug/L
RT: 5.34 min Scan# 1321
Delta R.T. -0.05 min
Lab File: VU031417.D
Acq: 23 Apr 2019 02:21

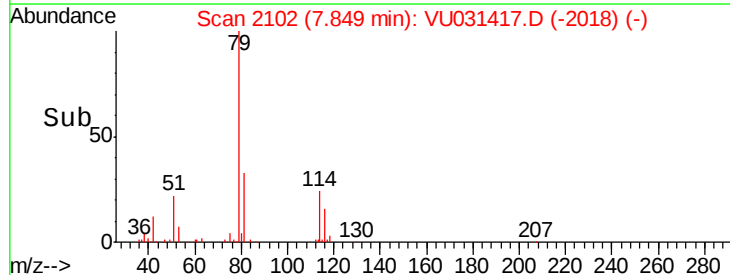
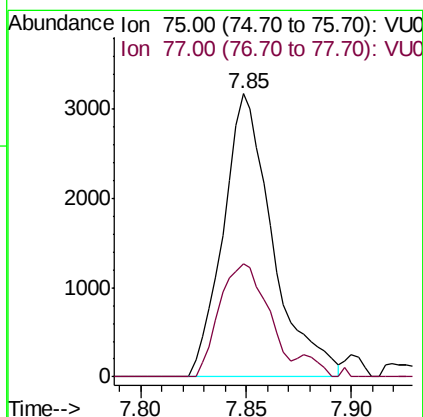
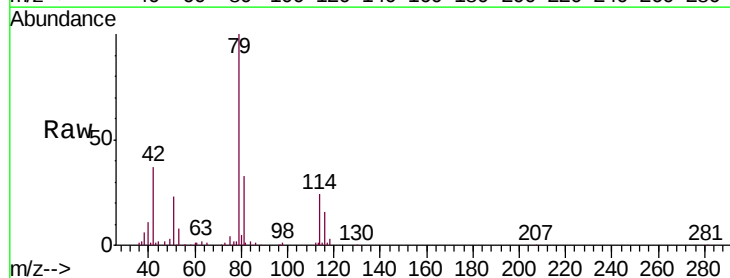
Instrument :
MSVOA_U
ClientSampleId :
C0XG1

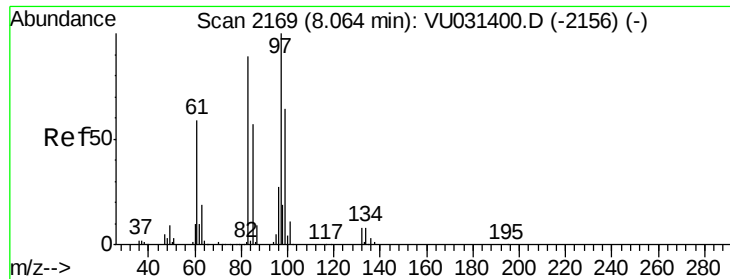
Tgt Ion: 78 Resp: 7558



#44
trans-1,3-Dichloropropene
Concen: 0.808 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU031417.D
Acq: 23 Apr 2019 02:21

Tgt Ion: 75 Resp: 5154
Ion Ratio Lower Upper
75 100
77 40.1 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 1.634 ug/L

RT: 8.07 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VU031417.D

Acq: 23 Apr 2019 02:21

Instrument :

MSVOA_U

ClientSampleId :

C0XG1

Tgt Ion: 97 Resp: 7420

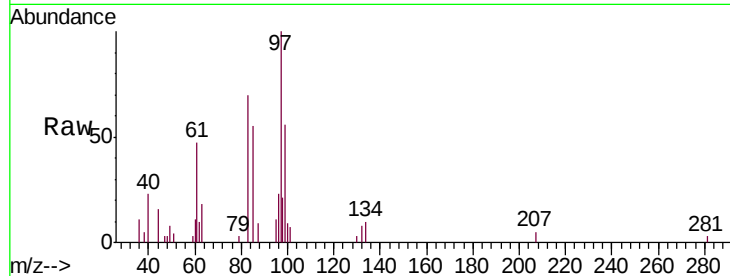
Ion Ratio Lower Upper

97 100

99 55.8 44.9 83.3

83 70.5 62.5 116.1

85 55.1 39.6 73.6

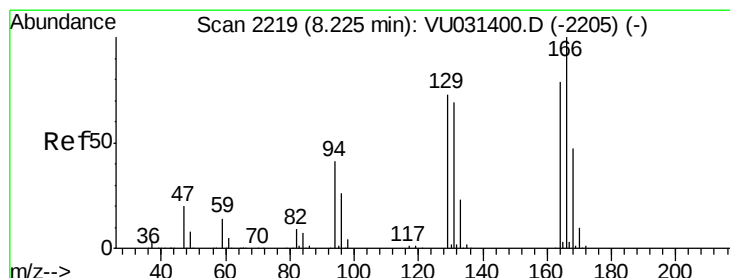
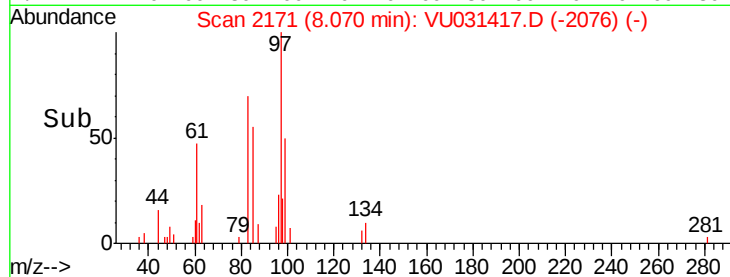
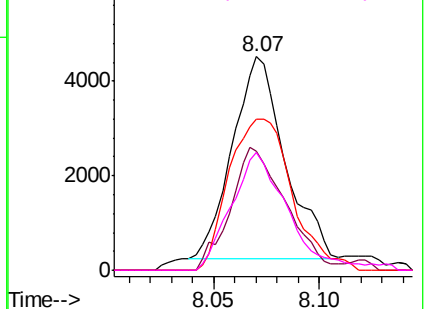


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 370.576 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031417.D

Acq: 23 Apr 2019 02:21

Tgt Ion:164 Resp: 1291832

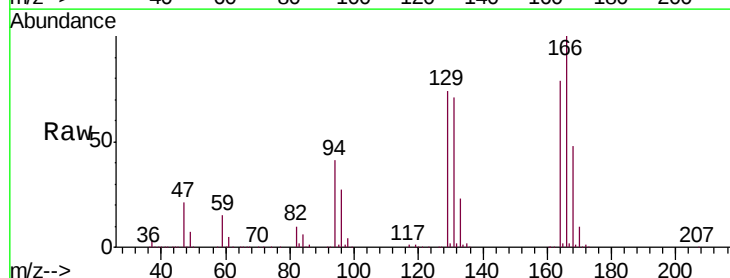
Ion Ratio Lower Upper

164 100

129 93.3 65.2 121.0

131 90.1 61.4 114.0

166 126.2 89.2 165.6

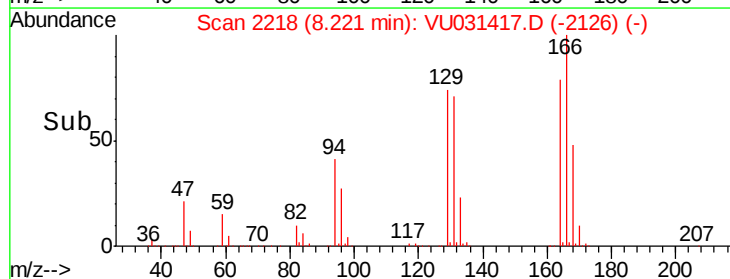
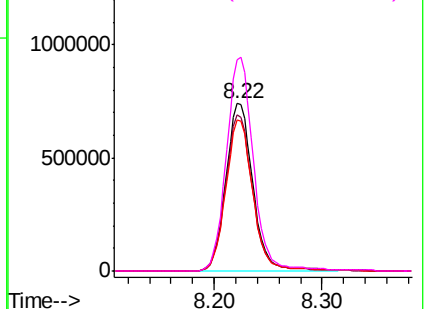


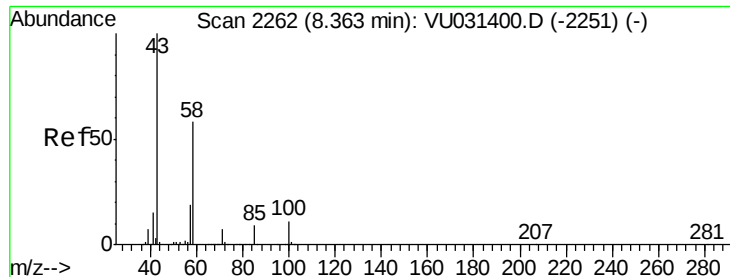
Abundance Ion 164.00 (163.70 to 164.70): V

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

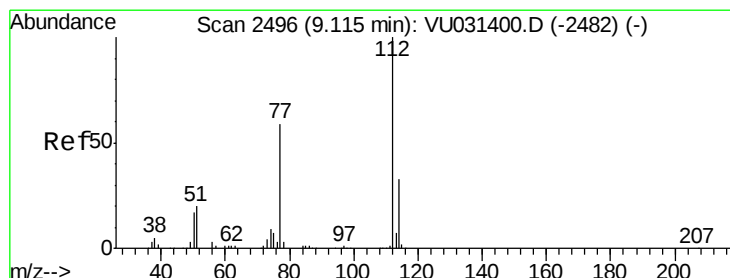
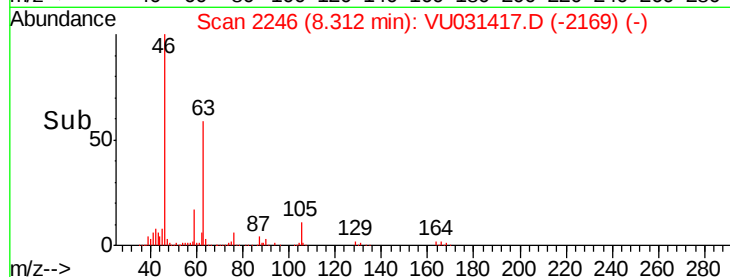
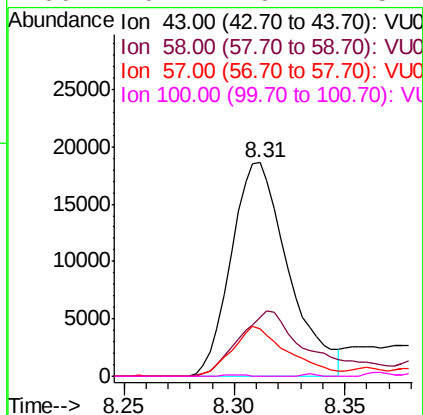
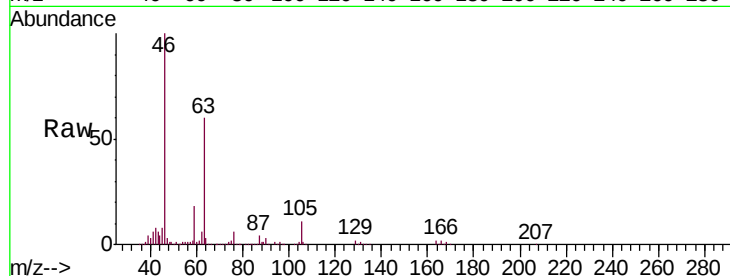




#48
2-Hexanone
Concen: 5.727 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU031417.D
Acq: 23 Apr 2019 02:21

Instrument :
MSVOA_U
ClientSampled :
C0XG1

Tgt Ion:	43	Resp:	33570
Ion	Ratio	Lower	Upper
43	100		
58	37.9	45.5	68.3#
57	22.5	15.2	22.8
100	0.1	9.1	13.7#



#51
Chlorobenzene
Concen: 0.510 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031417.D
Acq: 23 Apr 2019 02:21

Tgt Ion:	112	Resp:	6099
Ion	Ratio	Lower	Upper
112	100		
114	32.9	23.0	42.8
77	66.1	47.1	70.7

