

Data File : VU028844.D
Acq On : 20 Dec 2018 23:07
Operator : MD/SY
Sample : J6506-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF013

Quant Time: Dec 21 06:01:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 05:57:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	192567	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	179275	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	74893	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64645	41.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.74%
7) Chloroethane-d5	1.67	69	52461	44.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.27	63	83071	32.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.00%
21) 2-Butanone-d5	4.17	46	114784	106.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.12%
24) Chloroform-d	4.65	84	110594	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.12%
26) 1,2-Dichloroethane-d4	5.31	65	71792	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
32) Benzene-d6	5.34	84	239138	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
36) 1,2-Dichloropropane-d6	6.33	67	84512	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.24%
41) Toluene-d8	7.57	98	209965	45.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.50%
43) trans-1,3-Dichloropropene-	7.85	79	36019	46.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.44%
47) 2-Hexanone-d5	8.31	63	87937	107.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.61%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	117521	49.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	75322	49.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.46%

Target Compounds

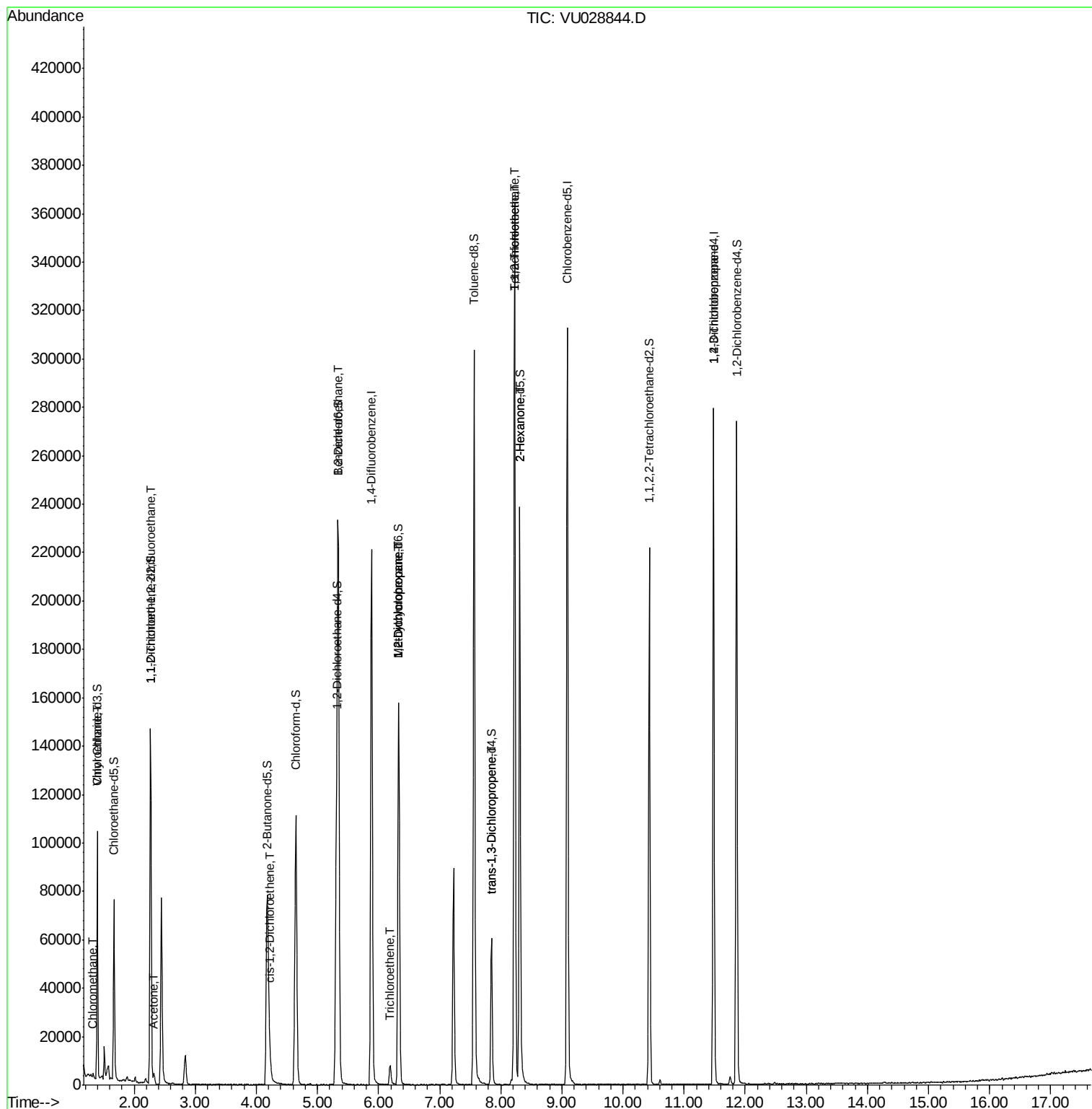
					Qvalue
3) Chloromethane	1.33	50	1409	0.660 ug/L	99
8) Chloroethane	1.40	64	771	0.716 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	750	0.601 ug/L #	20
13) Acetone	2.32	43	3513	3.187 ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	1821	1.202 ug/L	89
27) 1,2-Dichloroethane	5.34	62	1069	0.581 ug/L #	74
34) Trichloroethene	6.19	95	2301	1.670 ug/L	93
35) Methylcyclohexane	6.33	83	17592	7.666 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	7989	5.007 ug/L #	90
44) trans-1,3-Dichloropropene	7.85	75	1316	0.649 ug/L	97
45) 1,1,2-Trichloroethane	8.22	97	566	0.415 ug/L #	1
46) Tetrachloroethene	8.22	164	83641	78.815 ug/L	99
48) 2-Hexanone	8.31	43	9305	5.287 ug/L #	68
59) 1,2,3-Trichloropropane	11.48	75	8685	4.562 ug/L	91

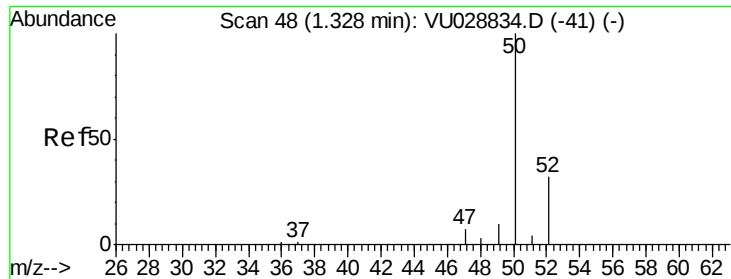
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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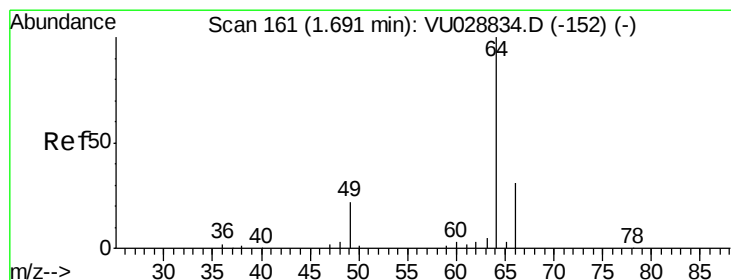
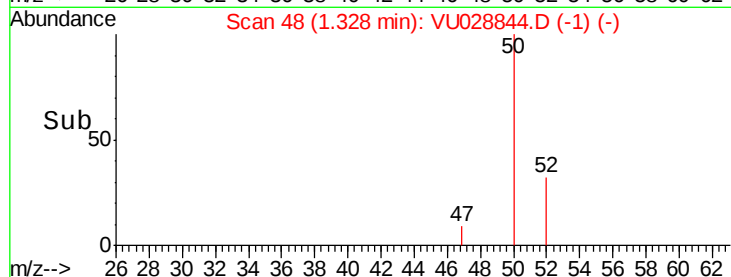
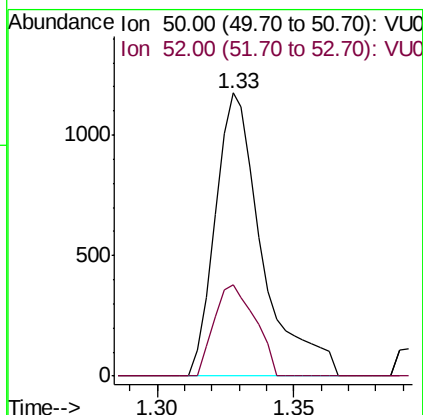
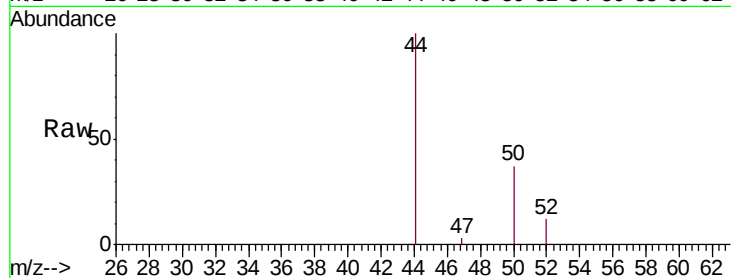




#3
Chloromethane
Concen: 0.660 ug/L
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028844.D
Acq: 20 Dec 2018 23:07

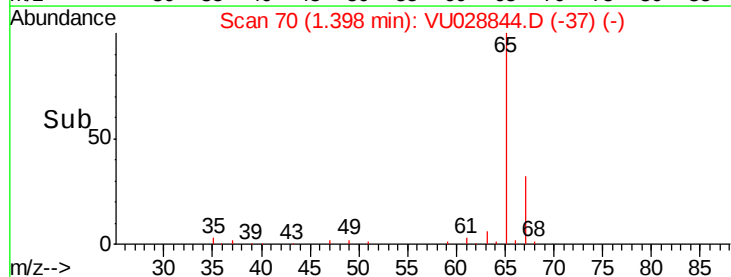
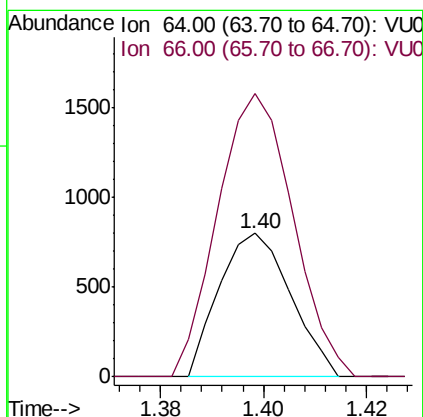
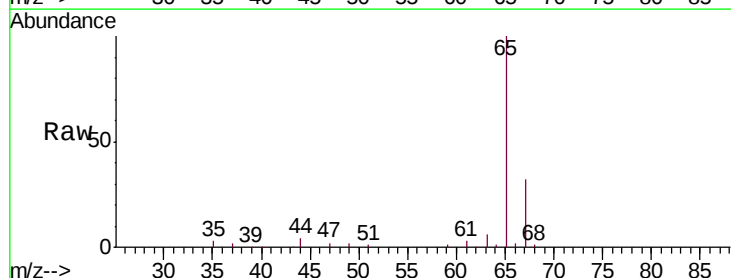
Instrument :
MSVOA_U
ClientSampleId :
BF013

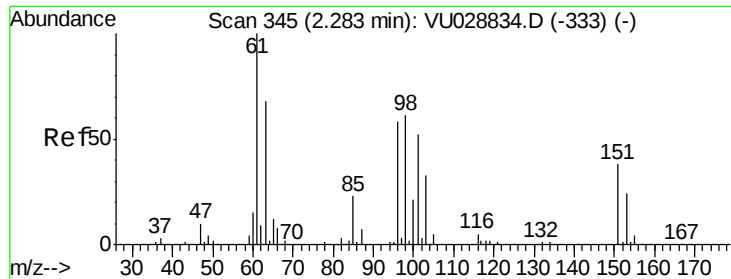
Tgt Ion: 50 Resp: 1409
Ion Ratio Lower Upper
50 100
52 32.1 22.3 41.3



#8
Chloroethane
Concen: 0.716 ug/L
RT: 1.40 min Scan# 70
Delta R.T. -0.29 min
Lab File: VU028844.D
Acq: 20 Dec 2018 23:07

Tgt Ion: 64 Resp: 771
Ion Ratio Lower Upper
64 100
66 197.0 21.5 39.9#





#10

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

Concen: 0.601 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU028844.D

Acq: 20 Dec 2018 23:07

Instrument :

MSVOA_U

ClientSampled :

BF013

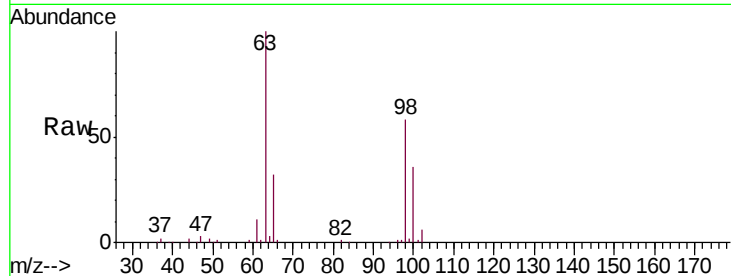
Tgt Ion:101 Resp: 750

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

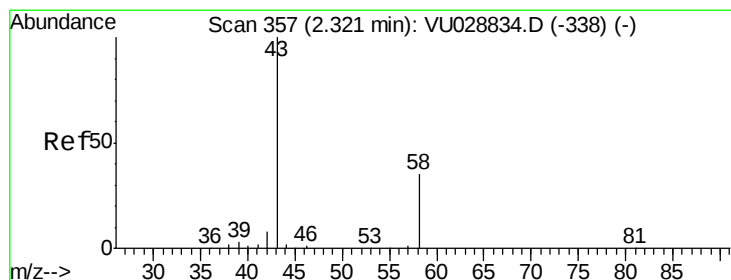
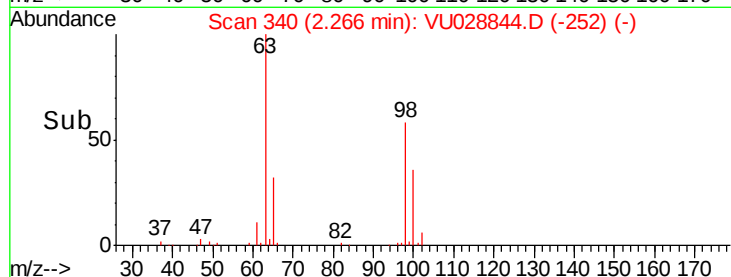
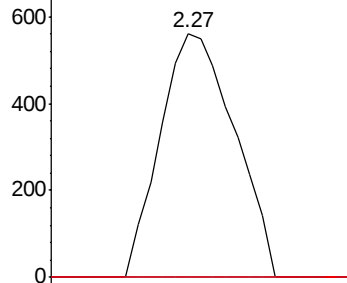
151 0.0 59.4 89.0#



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



#13

Acetone

Concen: 3.187 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028844.D

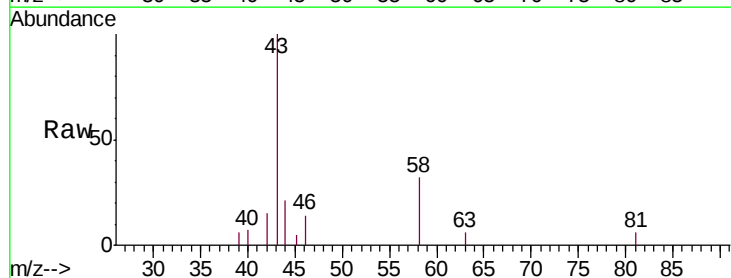
Acq: 20 Dec 2018 23:07

Tgt Ion: 43 Resp: 3513

Ion Ratio Lower Upper

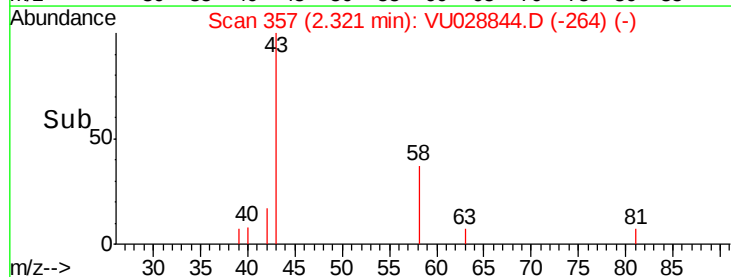
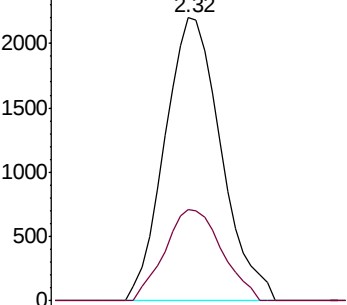
43 100

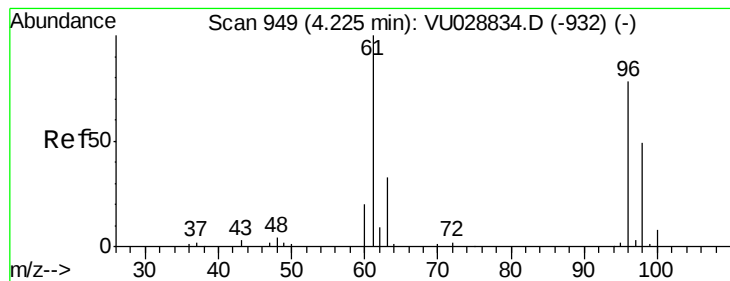
58 32.7 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



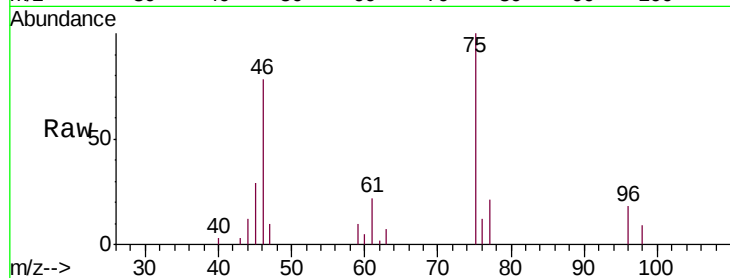


#20

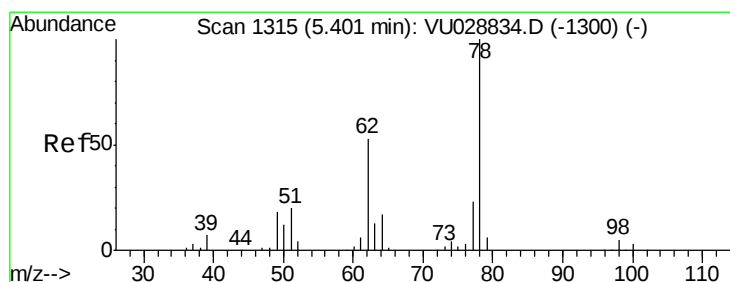
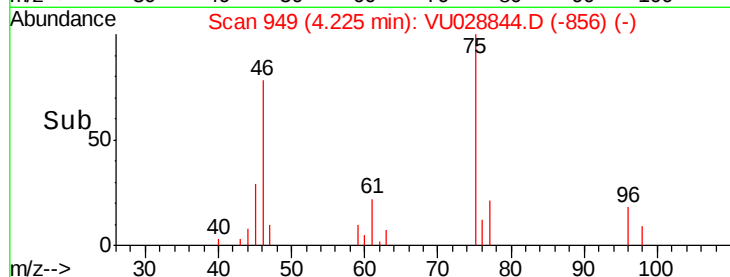
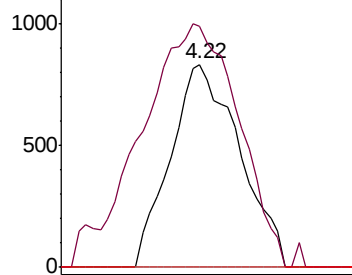
cis-1,2-Dichloroethene
 Concen: 1.202 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028844.D
 Acq: 20 Dec 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BF013

Tgt Ion: 96 Resp: 1821
 Ion Ratio Lower Upper
 96 100
 61 118.8 92.1 171.1
 68 0.0 0.0 0.0



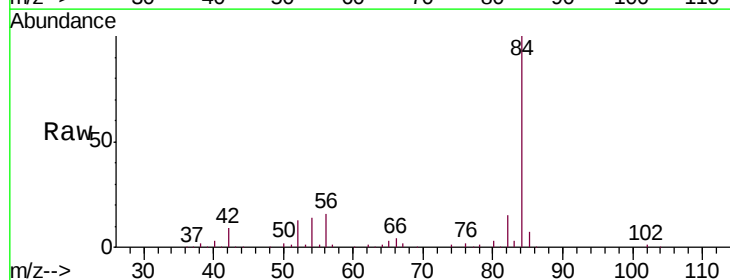
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



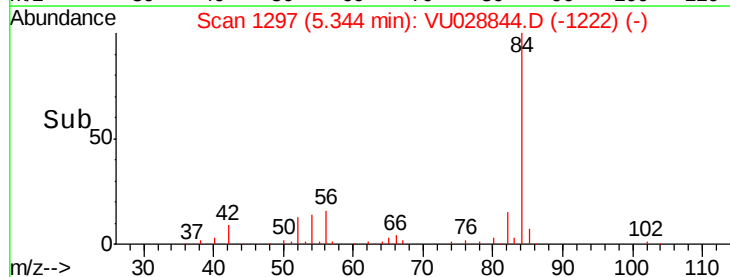
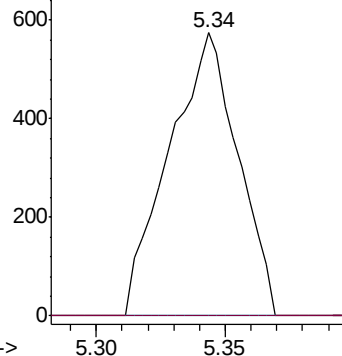
#27

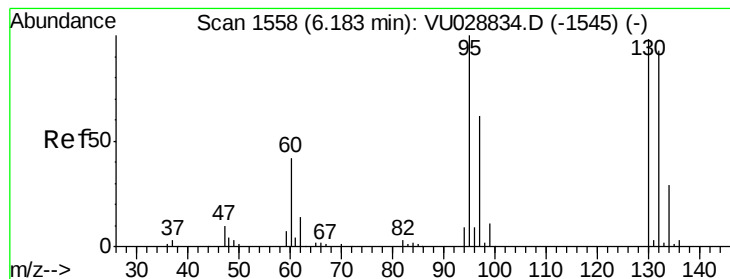
1,2-Dichloroethane
 Concen: 0.581 ug/L
 RT: 5.34 min Scan# 1297
 Delta R.T. -0.06 min
 Lab File: VU028844.D
 Acq: 20 Dec 2018 23:07

Tgt Ion: 62 Resp: 1069
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#34

Trichloroethene

Concen: 1.670 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VU028844.D

Acq: 20 Dec 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

BF013

Tgt Ion: 95 Resp: 2301

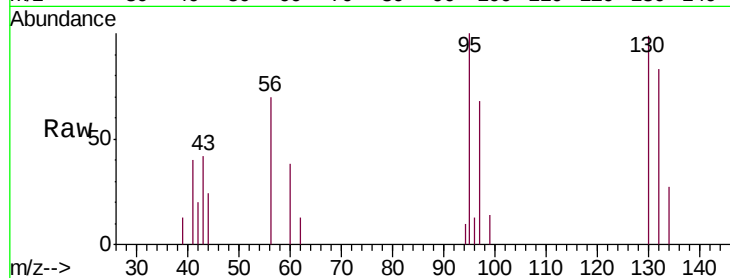
Ion Ratio Lower Upper

95 100

97 67.6 43.3 80.3

132 82.8 64.2 119.2

130 99.4 67.1 124.7

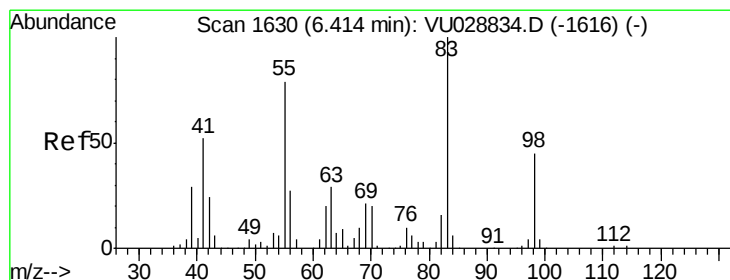
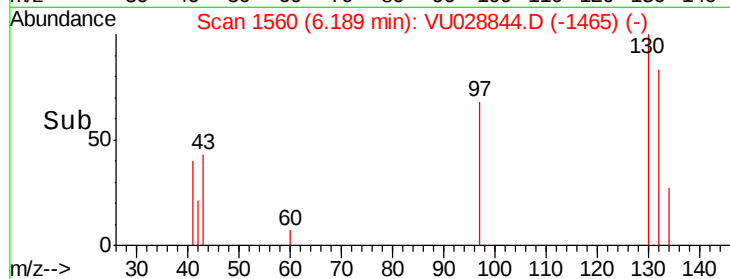
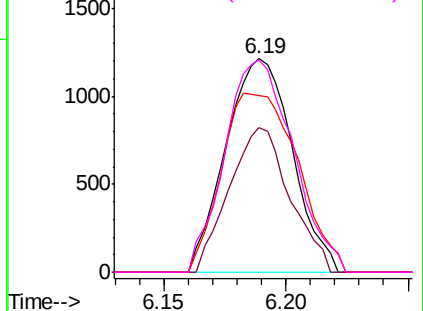


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 7.666 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.09 min

Lab File: VU028844.D

Acq: 20 Dec 2018 23:07

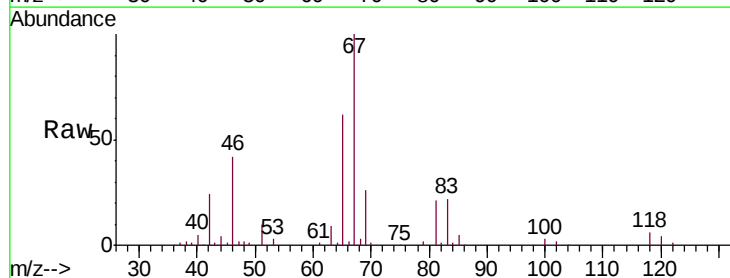
Tgt Ion: 83 Resp: 17592

Ion Ratio Lower Upper

83 100

55 0.2 63.7 95.5#

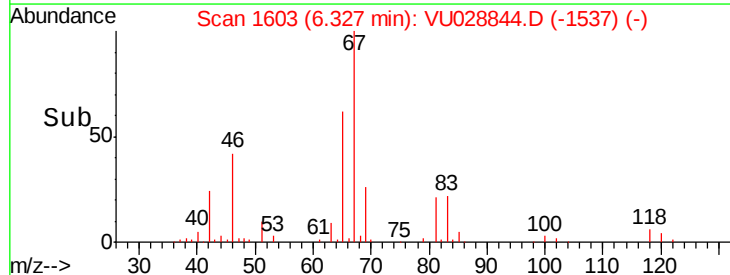
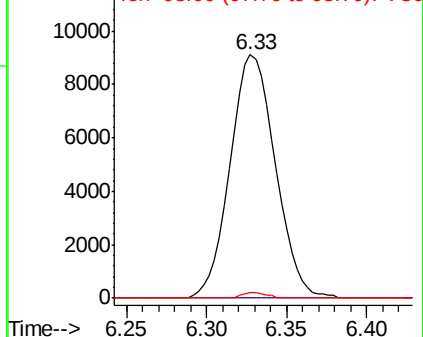
98 1.1 35.6 53.4#

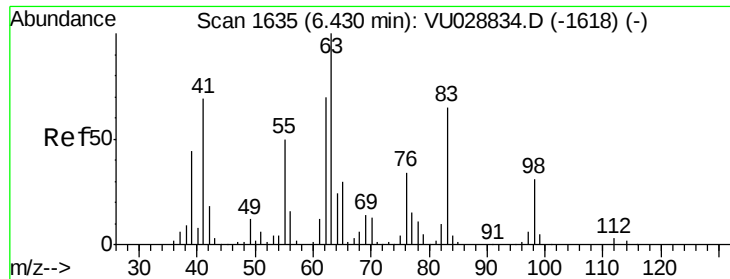


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

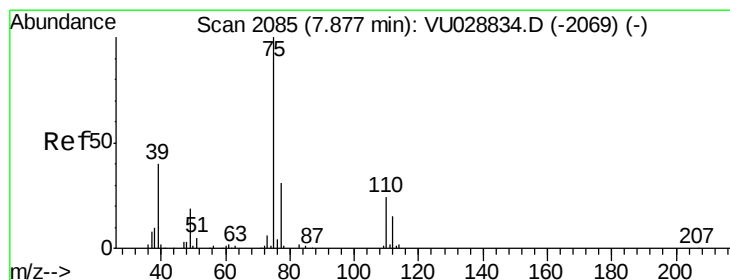
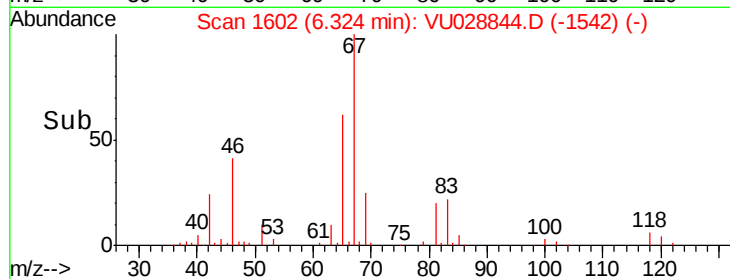
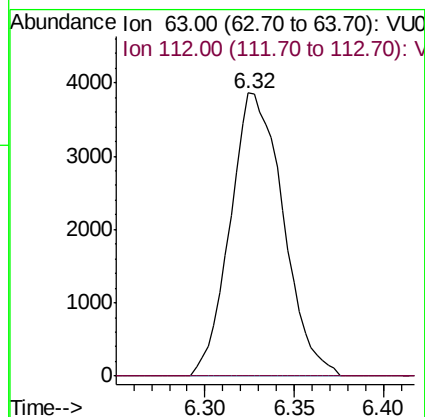
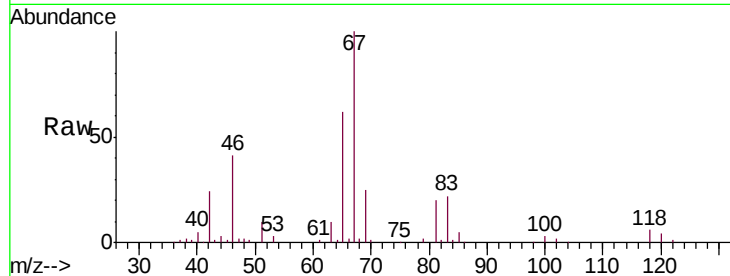




#37
 1,2-Dichloropropane
 Concen: 5.007 ug/L
 RT: 6.32 min Scan# 1602
 Delta R.T. -0.11 min
 Lab File: VU028844.D
 Acq: 20 Dec 2018 23:07

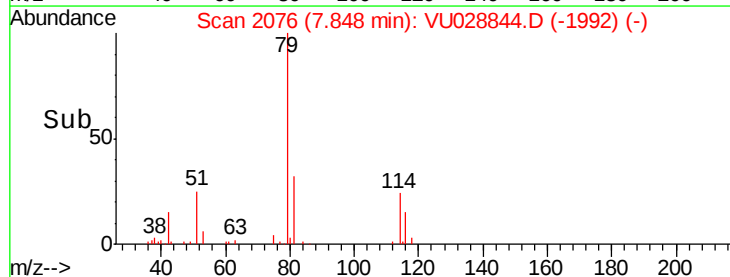
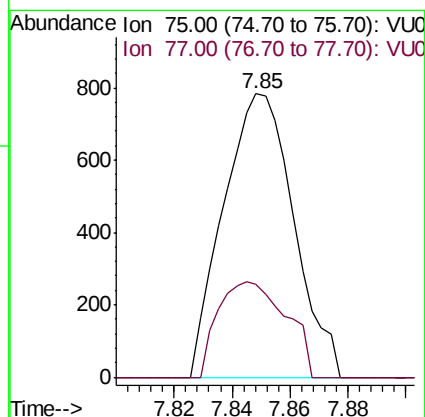
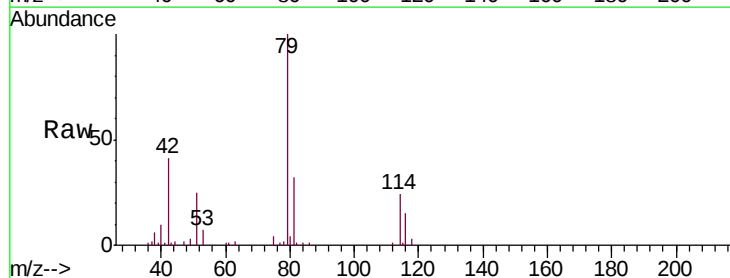
Instrument :
 MSVOA_U
 ClientSampleId :
 BF013

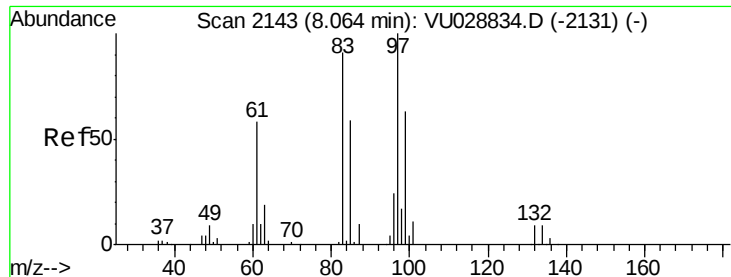
Tgt Ion: 63 Resp: 7989
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.649 ug/L
 RT: 7.85 min Scan# 2076
 Delta R.T. -0.03 min
 Lab File: VU028844.D
 Acq: 20 Dec 2018 23:07

Tgt Ion: 75 Resp: 1316
 Ion Ratio Lower Upper
 75 100
 77 32.8 21.8 40.6

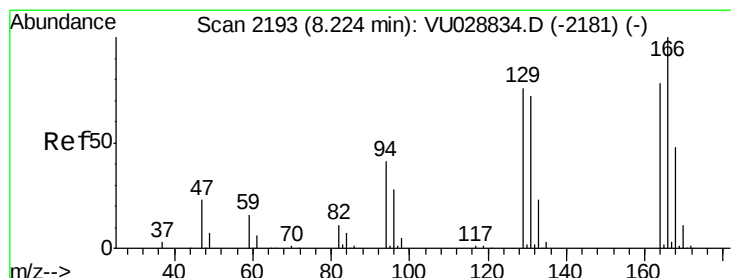
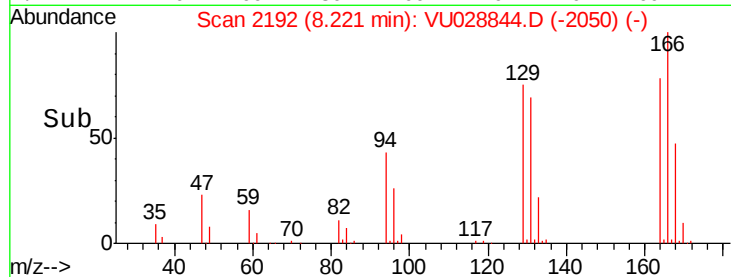
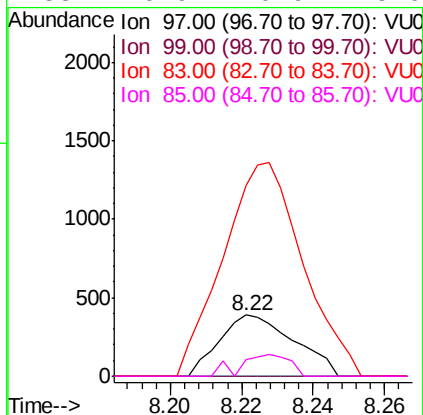
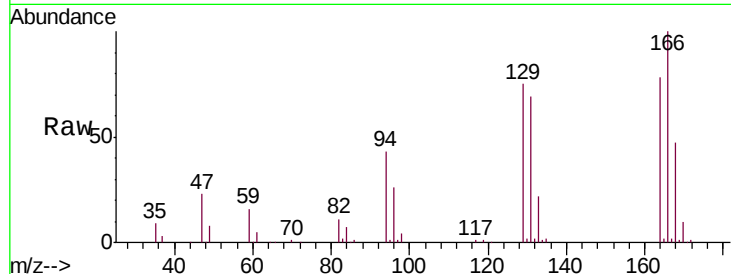




#45
1,1,2-Trichloroethane
Concen: 0.415 ug/L
RT: 8.22 min Scan# 2192
Delta R.T. 0.16 min
Lab File: VU028844.D
Acq: 20 Dec 2018 23:07

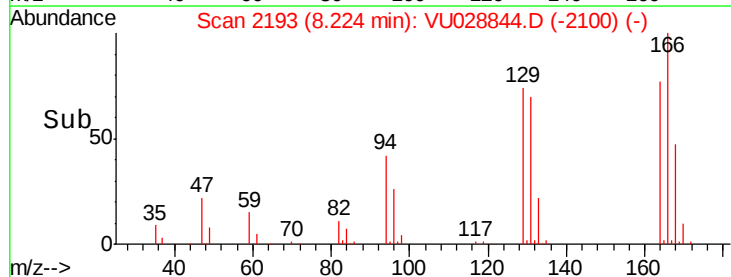
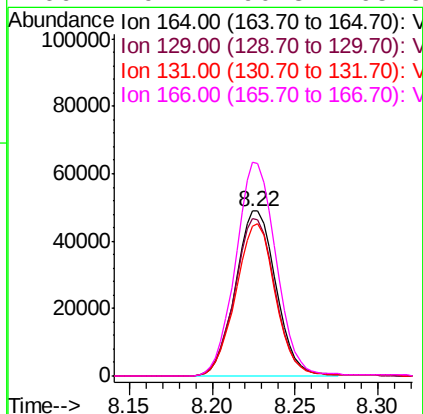
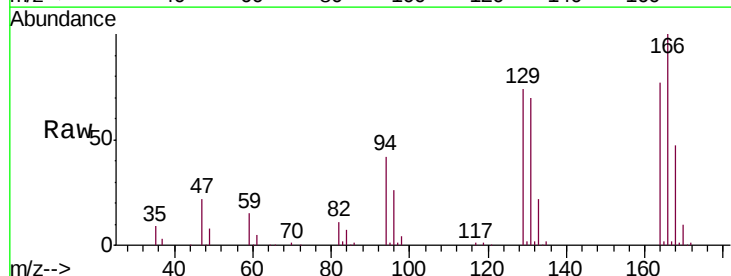
Instrument :
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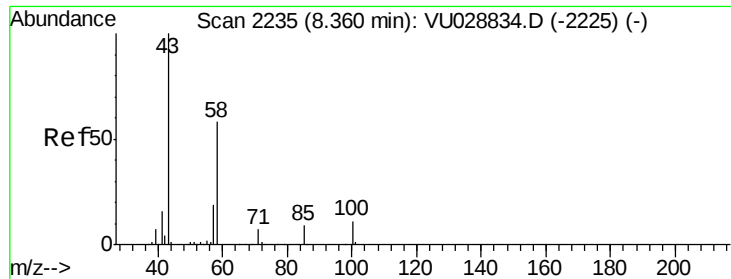
Tgt Ion: 97 Resp: 566
Ion Ratio Lower Upper
97 100
99 0.0 44.2 82.2#
83 310.7 64.5 119.9#
85 26.9 40.9 75.9#



#46
Tetrachloroethene
Concen: 78.815 ug/L
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028844.D
Acq: 20 Dec 2018 23:07

Tgt Ion:164 Resp: 83641
Ion Ratio Lower Upper
164 100
129 95.8 66.8 124.0
131 90.6 64.2 119.2
166 129.4 90.8 168.6

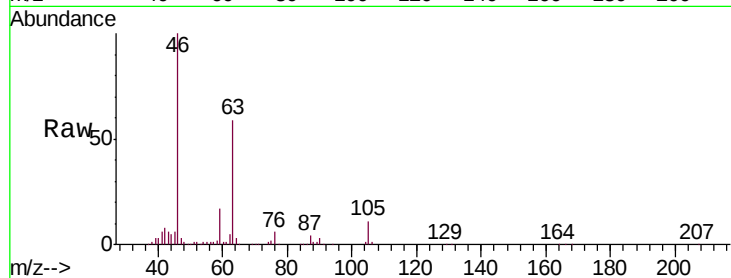




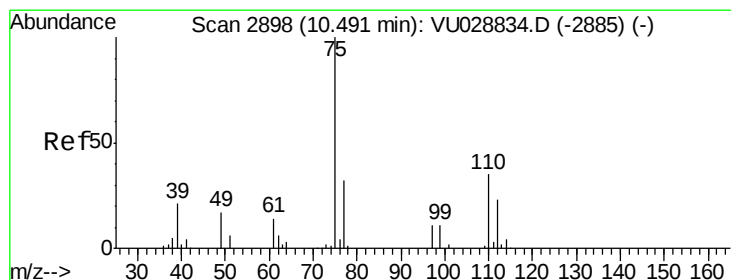
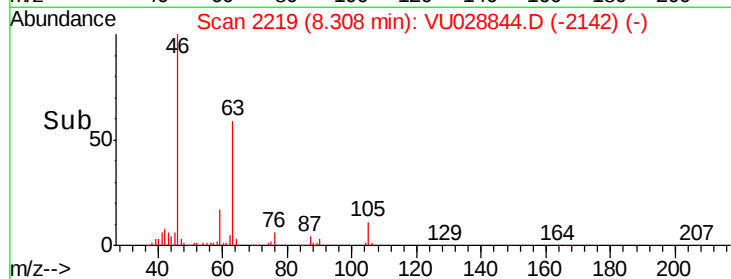
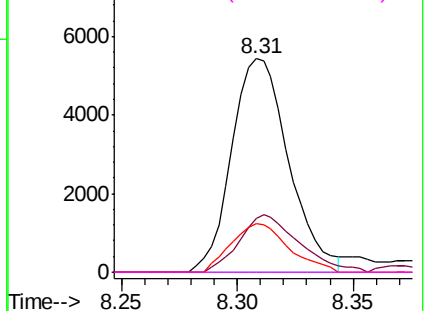
#48
 2-Hexanone
 Concen: 5.287 ug/L
 RT: 8.31 min Scan# 2219
 Delta R.T. -0.05 min
 Lab File: VU028844.D
 Acq: 20 Dec 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BF013

Tgt Ion:	43	Resp:	9305
Ion	Ratio	Lower	Upper
43	100		
58	28.2	45.9	68.9#
57	23.0	15.0	22.4#
100	0.0	8.7	13.1#

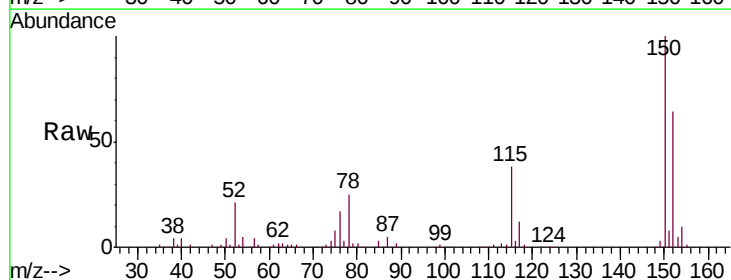


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0



#59
 1,2,3-Trichloropropane
 Concen: 4.562 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028844.D
 Acq: 20 Dec 2018 23:07

Tgt Ion:	75	Resp:	8685
Ion	Ratio	Lower	Upper
75	100		
77	36.7	25.5	38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

