

Data File : VU034824.D
Acq On : 25 Sep 2019 23:52
Operator : JC/SP
Sample : K4983-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDN4

Quant Time: Sep 26 07:02:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	443520	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	433463	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	190459	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	181545	39.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.96%
7) Chloroethane-d5	1.67	69	164223	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.26	63	257818	33.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.06%
21) 2-Butanone-d5	4.15	46	389283	111.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.87%
24) Chloroform-d	4.62	84	319776	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	5.29	65	223238	46.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.02%
32) Benzene-d6	5.32	84	682070	50.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.54%
36) 1,2-Dichloropropane-d6	6.31	67	238439	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.56%
41) Toluene-d8	7.54	98	649531	50.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.64%
43) trans-1,3-Dichloropropene-	7.83	79	103695	46.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.22%
47) 2-Hexanone-d5	8.29	63	272378	115.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.48%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	327561	50.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.54%
64) 1,2-Dichlorobenzene-d4	11.84	152	222451	55.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

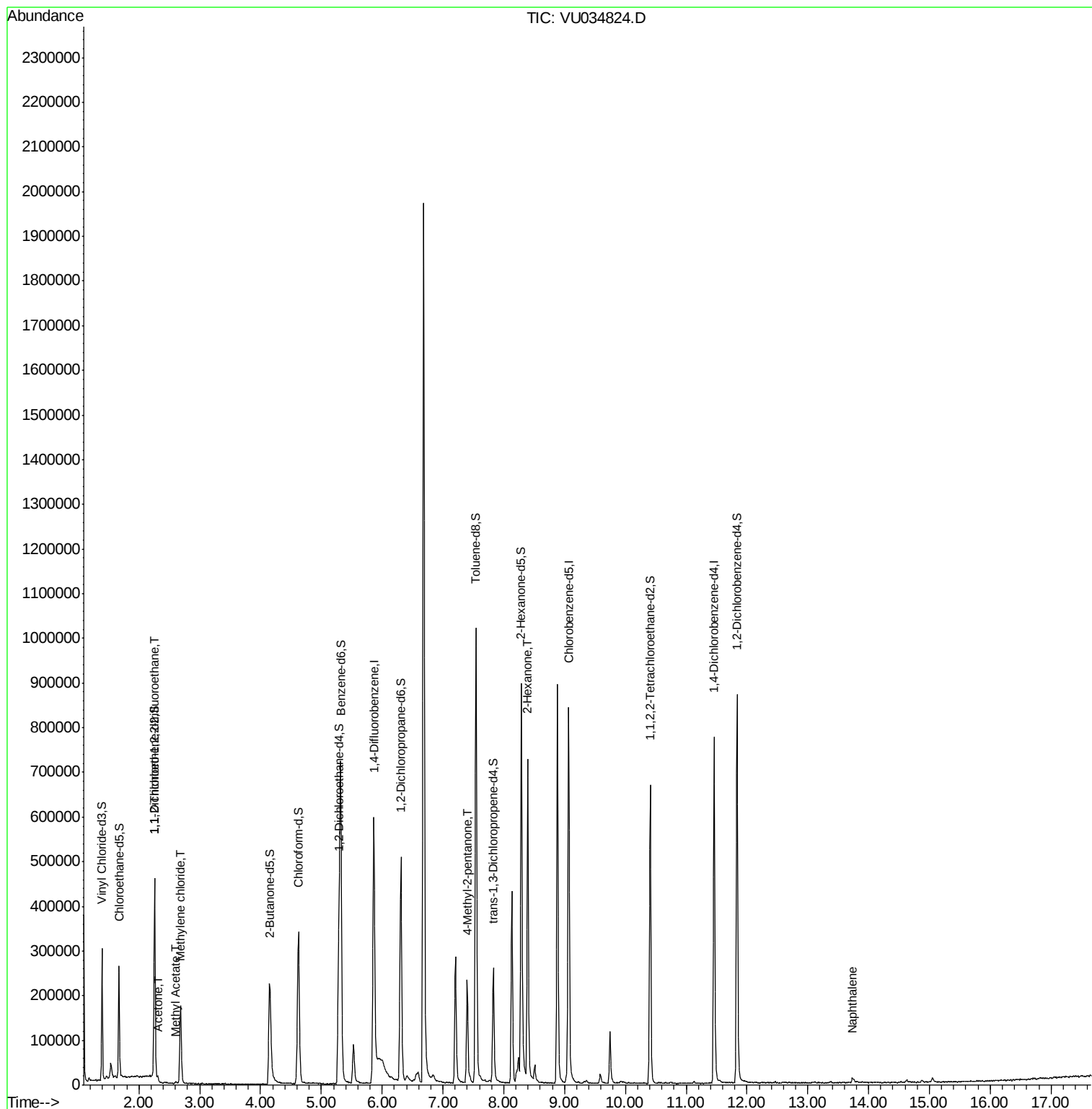
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2632	0.871	ug/L #	23
13) Acetone	2.31	43	14022	3.464	ug/L	99
15) Methyl Acetate	2.61	43	4989	0.923	ug/L	99
16) Methylene chloride	2.68	84	71992	19.586	ug/L	95
40) 4-Methyl-2-pentanone	7.40	43	90855	10.631	ug/L #	58
48) 2-Hexanone	8.40	43	109156	16.353	ug/L #	1
69) Naphthalene	13.74	128	11605	0.965	ug/L #	80

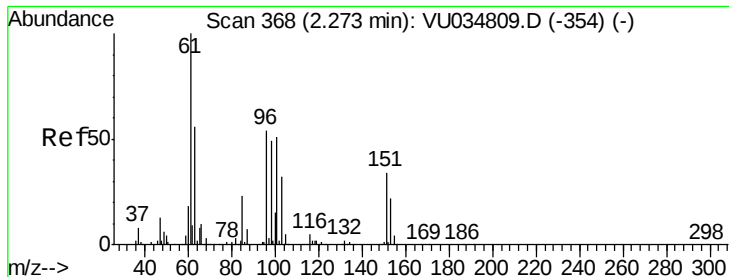
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.871 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU034824.D

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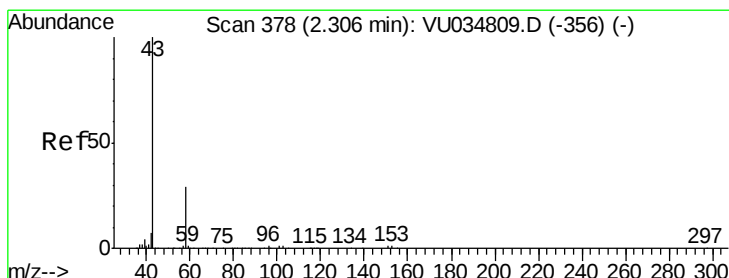
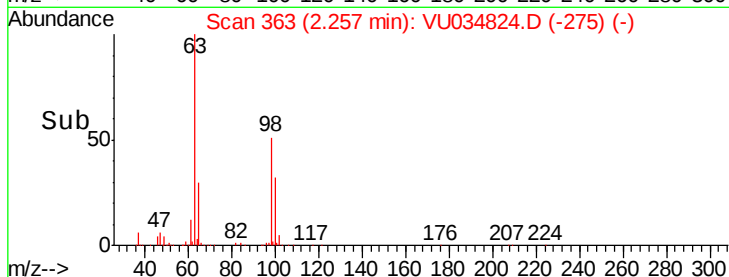
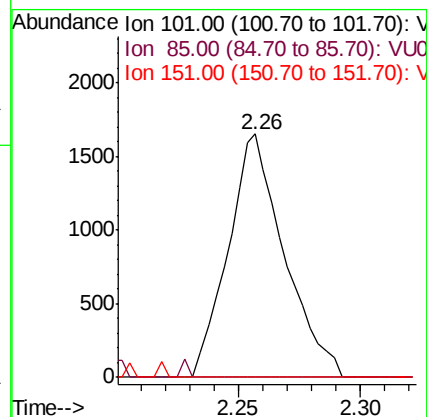
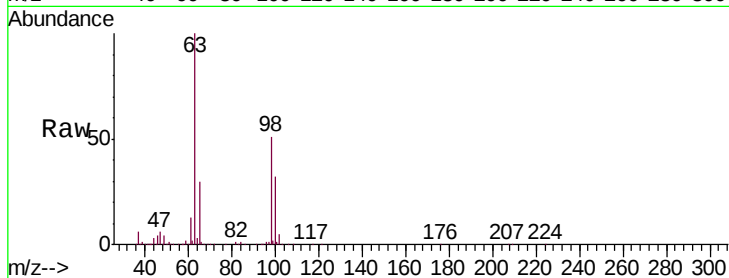
Tgt Ion: 101 Resp: 2632

Ion Ratio Lower Upper

101 100

85 1.7 39.0 58.4#

151 0.0 52.8 79.2#



#13

Acetone

Concen: 3.464 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034824.D

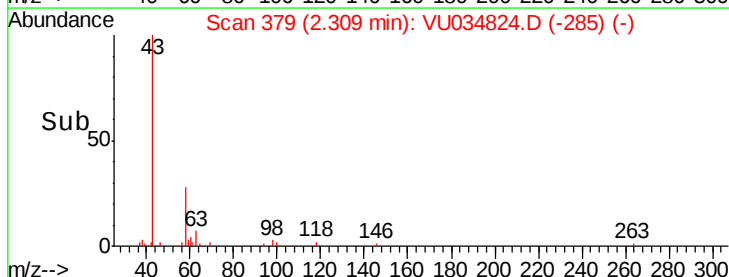
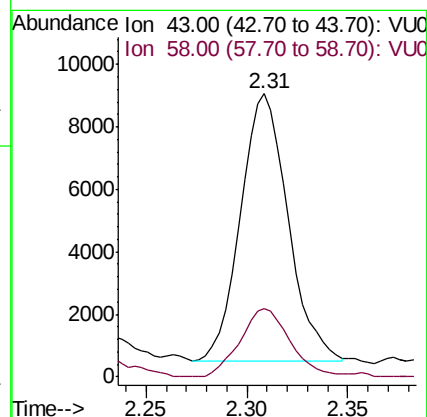
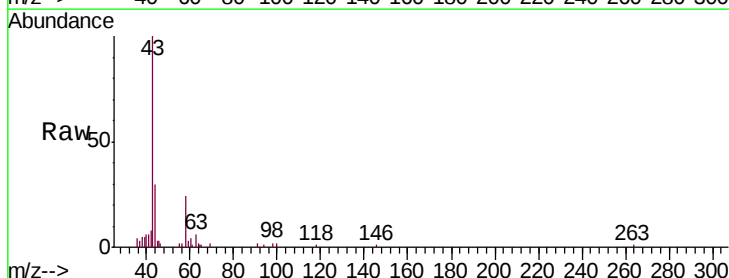
Acq: 25 Sep 2019 23:52

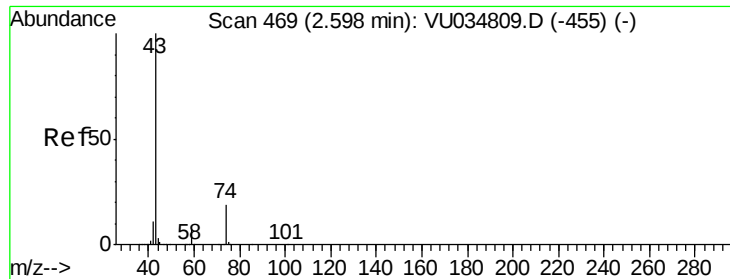
Tgt Ion: 43 Resp: 14022

Ion Ratio Lower Upper

43 100

58 27.3 0.0 53.4

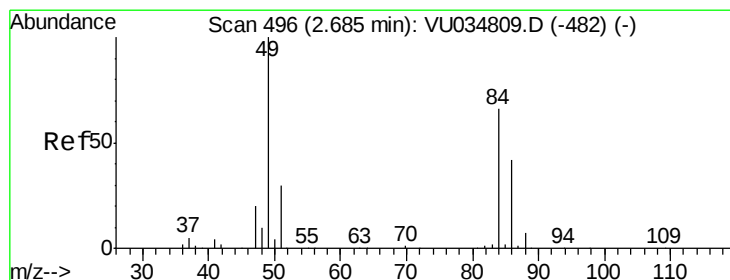
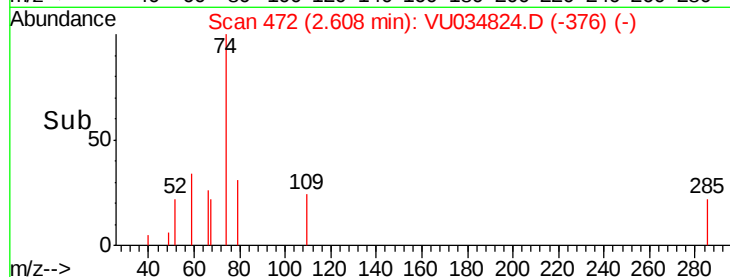
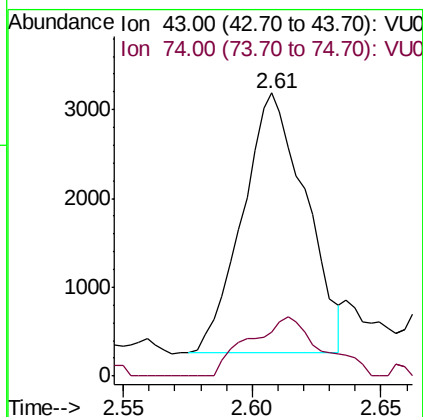
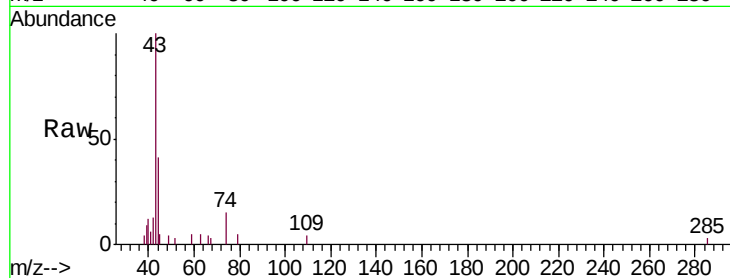




#15
Methyl Acetate
Concen: 0.923 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU034824.D
Acq: 25 Sep 2019 23:52

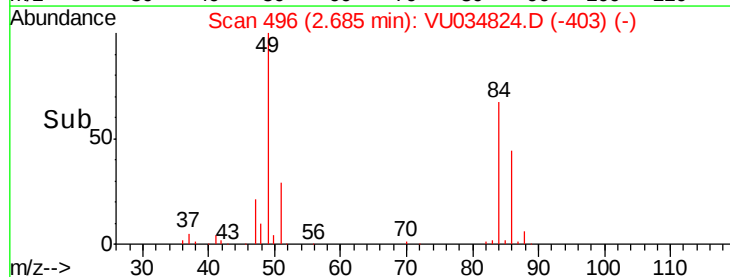
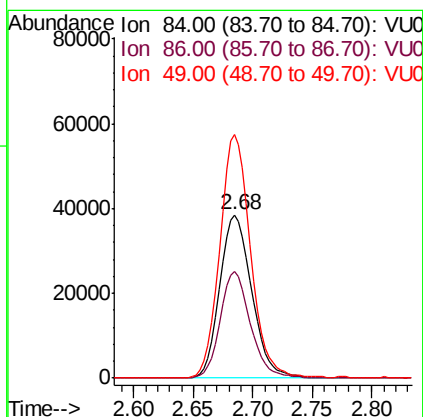
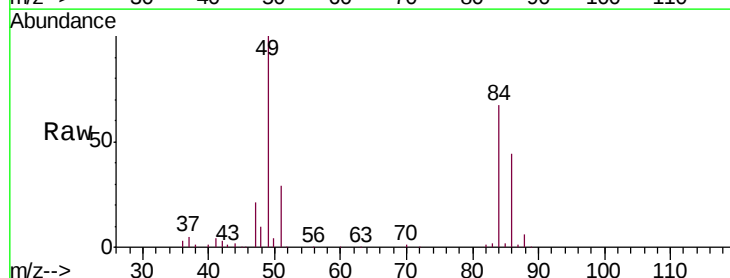
Instrument :
MSVOA_U
ClientSampleId :
BFDN4

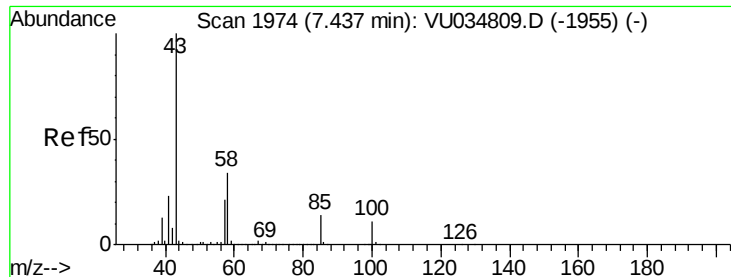
Tgt Ion: 43 Resp: 4989
Ion Ratio Lower Upper
43 100
74 17.8 14.4 21.6



#16
Methylene chloride
Concen: 19.586 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034824.D
Acq: 25 Sep 2019 23:52

Tgt Ion: 84 Resp: 71992
Ion Ratio Lower Upper
84 100
86 65.1 43.0 80.0
49 149.3 109.7 203.7

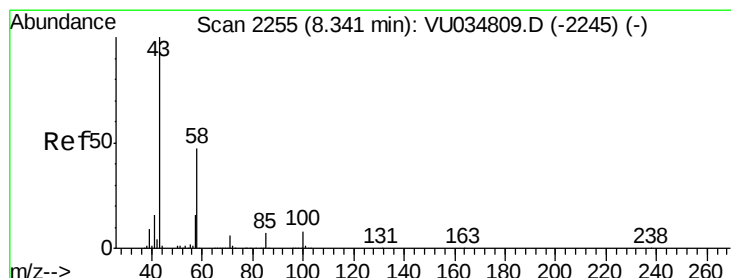
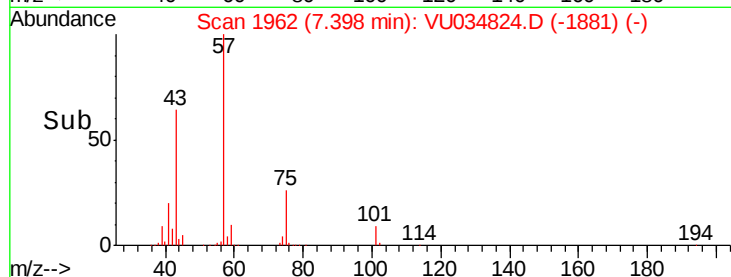
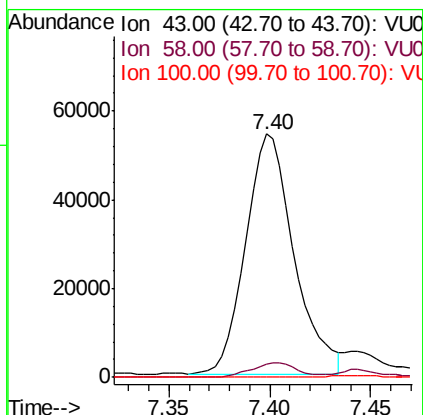
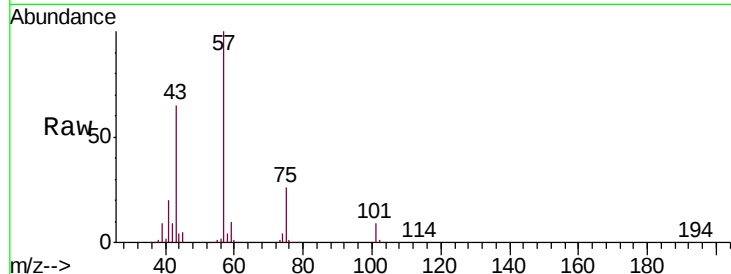




#40
 4-Methyl-2-pentanone
 Concen: 10.631 ug/L
 RT: 7.40 min Scan# 1962
 Delta R.T. -0.04 min
 Lab File: VU034824.D
 Acq: 25 Sep 2019 23:52

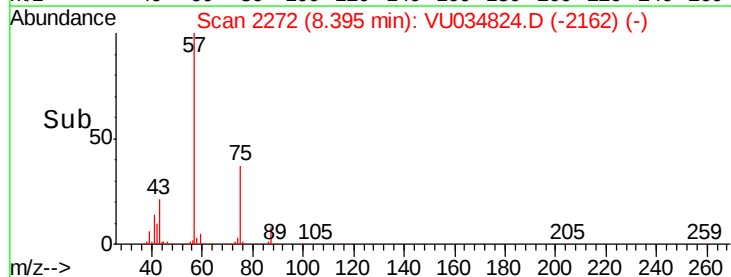
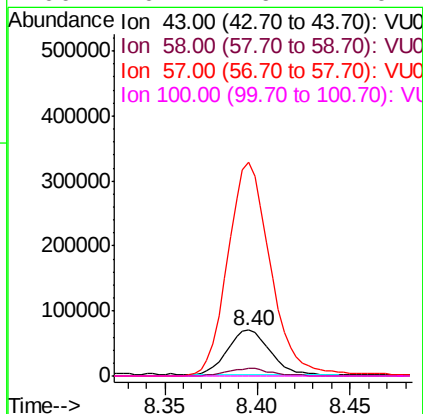
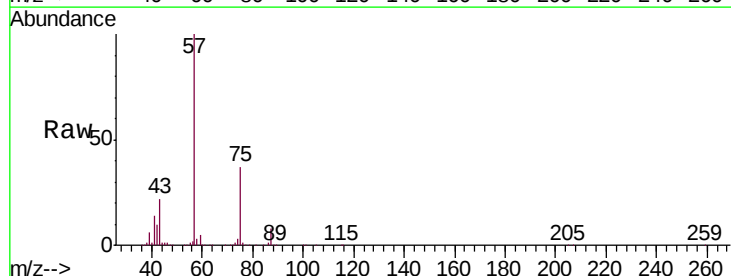
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDN4

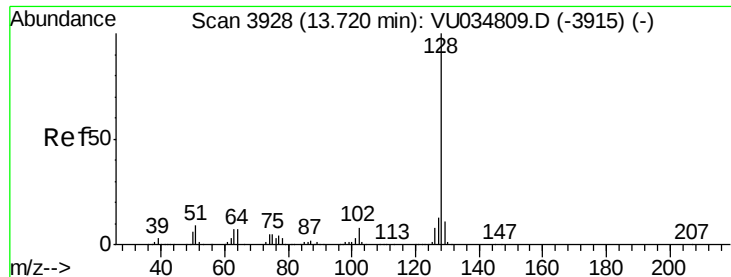
Tgt Ion: 43 Resp: 90855
 Ion Ratio Lower Upper
 43 100
 58 5.8 25.2 37.8#
 100 0.0 7.7 11.5#



#48
 2-Hexanone
 Concen: 16.353 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.05 min
 Lab File: VU034824.D
 Acq: 25 Sep 2019 23:52

Tgt Ion: 43 Resp: 109156
 Ion Ratio Lower Upper
 43 100
 58 17.7 35.3 52.9#
 57 485.0 12.1 18.1#
 100 0.1 6.2 9.4#





#69

Naphthalene

Concen: 0.965 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.02 min

Lab File: VU034824.D

Acq: 25 Sep 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

BFDN4

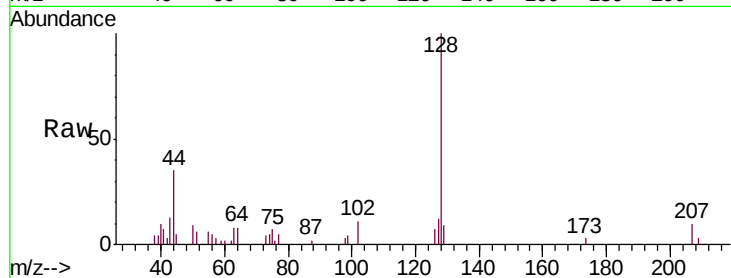
Tgt Ion:128 Resp: 11605

Ion Ratio Lower Upper

128 100

127 4.9 10.8 16.2#

129 3.8 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

