

Data File : VU034897.D
Acq On : 01 Oct 2019 18:57
Operator : JC/SP
Sample : K5028-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDK6

Quant Time: Oct 02 01:54:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	347363	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	341633	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	146159	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	104194	42.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.60%
7) Chloroethane-d5	1.67	69	92800	45.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.74%
11) 1,1-Dichloroethene-d2	2.26	63	161412	37.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.38%
21) 2-Butanone-d5	4.15	46	266594	112.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.22%
24) Chloroform-d	4.62	84	223840	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
26) 1,2-Dichloroethane-d4	5.29	65	166641	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
32) Benzene-d6	5.32	84	440540	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
36) 1,2-Dichloropropane-d6	6.31	67	156007	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.58%
41) Toluene-d8	7.54	98	411931	47.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.14%
43) trans-1,3-Dichloropropene-	7.83	79	69623	49.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.32%
47) 2-Hexanone-d5	8.29	63	178786	116.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.82%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	221691	48.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.08%
64) 1,2-Dichlorobenzene-d4	11.84	152	144425	49.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.32%

Target Compounds

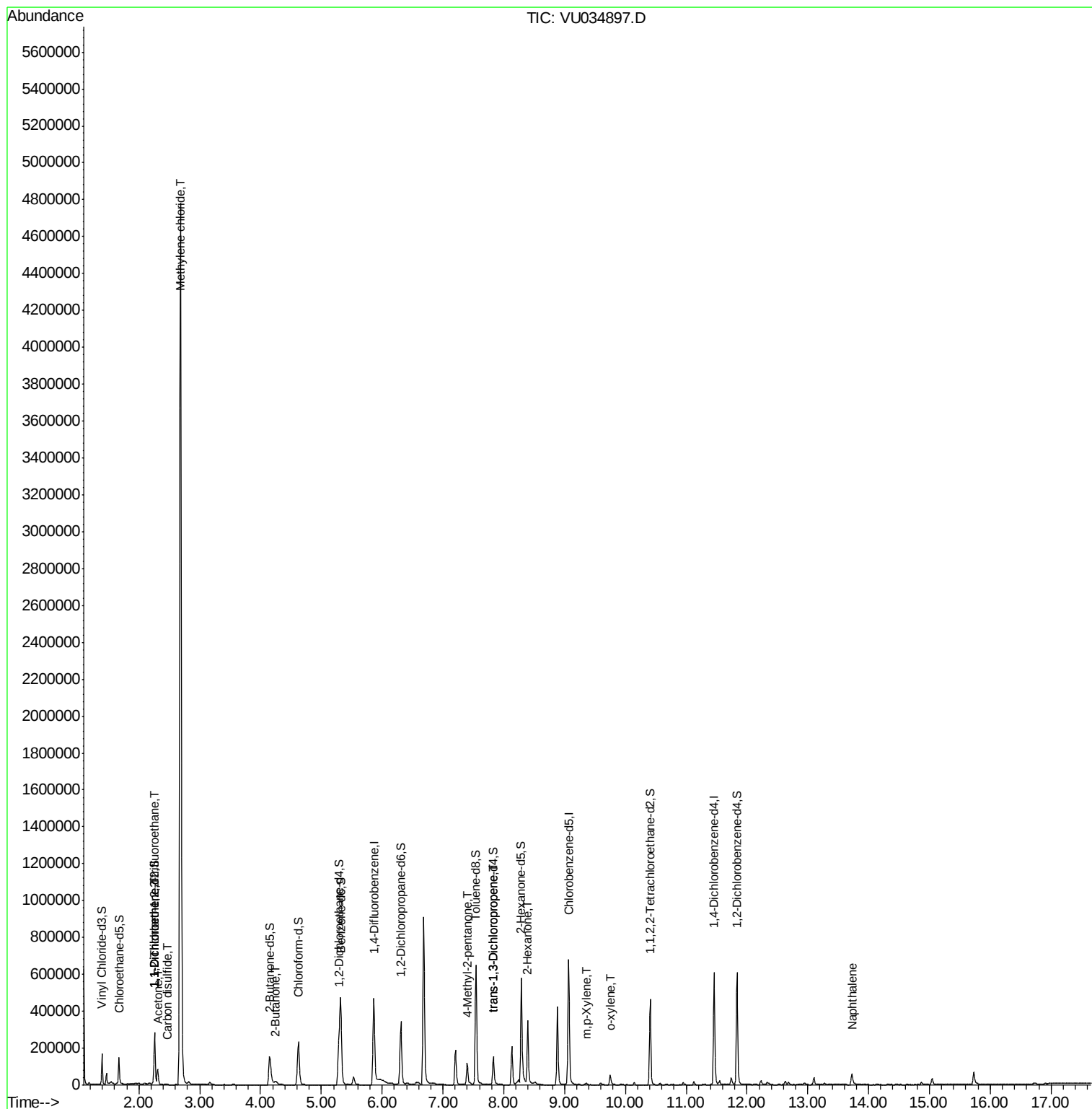
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1304	0.795	ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1154	0.886	ug/L #	1
13) Acetone	2.31	43	89564	47.436	ug/L	96
14) Carbon disulfide	2.46	76	2174	1.041	ug/L #	90
16) Methylene chloride	2.68	84	1916686	1007.218	ug/L	97
22) 2-Butanone	4.25	43	30074	12.263	ug/L	90
40) 4-Methyl-2-pentanone	7.40	43	47972	9.601	ug/L #	55
44) trans-1,3-Dichloropropene	7.83	75	3495	1.104	ug/L #	76
48) 2-Hexanone	8.40	43	53653	14.150	ug/L #	1
53) m,p-Xylene	9.36	106	2807	0.873	ug/L	72
54) o-xylene	9.76	106	3338	0.984	ug/L	100
69) Naphthalene	13.73	128	57053	8.073	ug/L	97

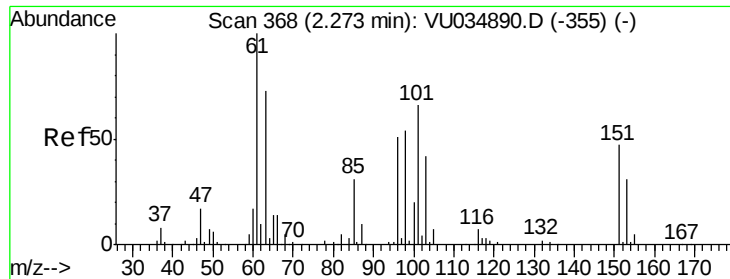
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.795 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU034897.D

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ClientSampleId :

BFDK6

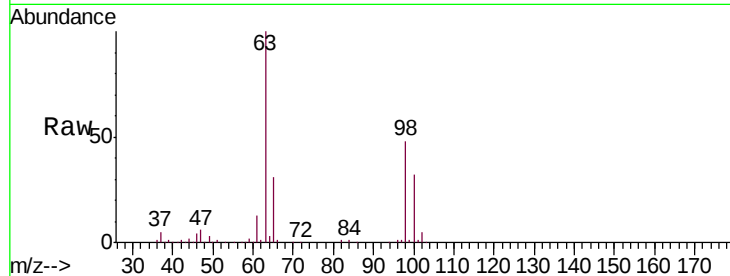
Tgt Ion:101 Resp: 1304

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

151 0.0 56.0 84.0#



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

1200

1000

800

600

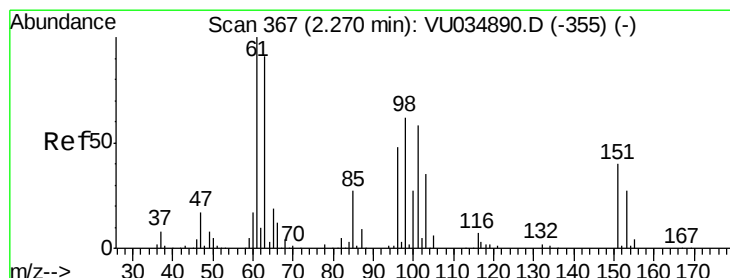
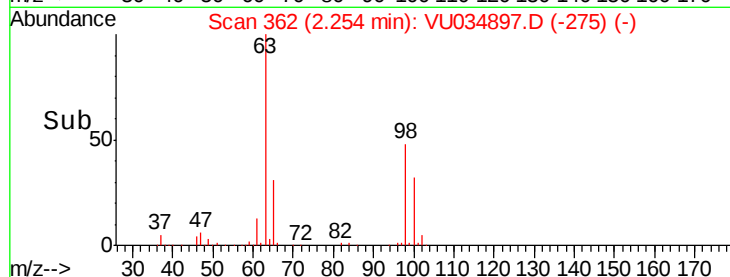
400

200

0

2.22 2.24 2.26 2.28

Time-->



#12

1,1-Dichloroethene

Concen: 0.886 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034897.D

Acq: 01 Oct 2019 18:57

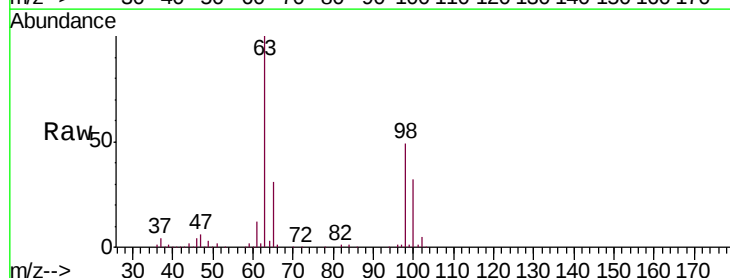
Tgt Ion: 96 Resp: 1154

Ion Ratio Lower Upper

96 100

61 1690.9 147.0 273.0#

63 13594.7 140.5 260.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

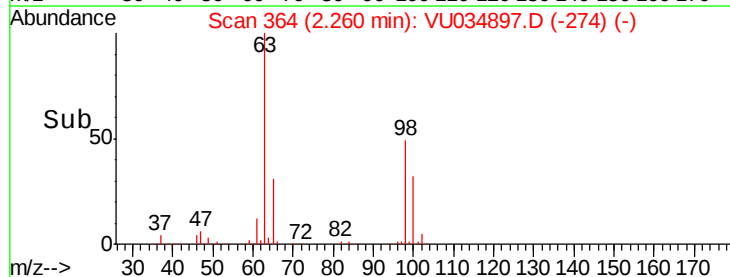
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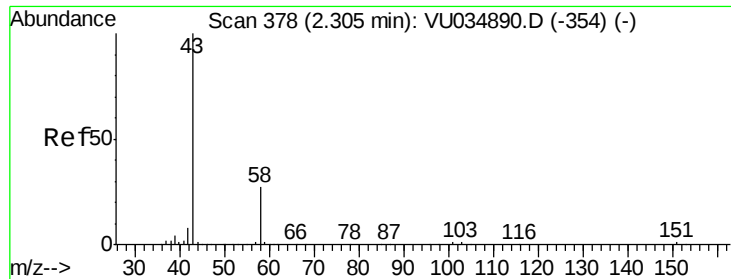
50000

0

2.22 2.24 2.26 2.28

Time-->





#13

Acetone

Concen: 47.436 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034897.D

Acq: 01 Oct 2019 18:57

Instrument :

MSVOA_U

ClientSampleId :

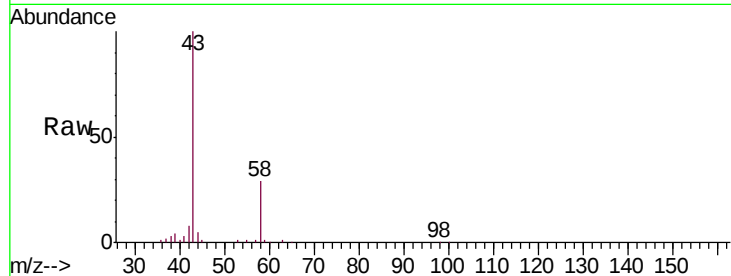
BFDK6

Tgt Ion: 43 Resp: 89564

Ion Ratio Lower Upper

43 100

58 28.3 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU034897.D (-379) (-)

Ion 58.00 (57.70 to 58.70): VU034897.D (-379) (-)

2.31

60000

50000

40000

30000

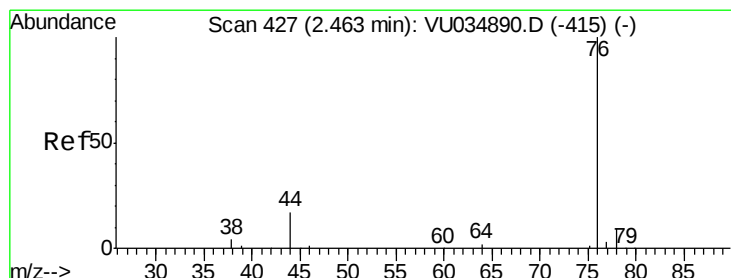
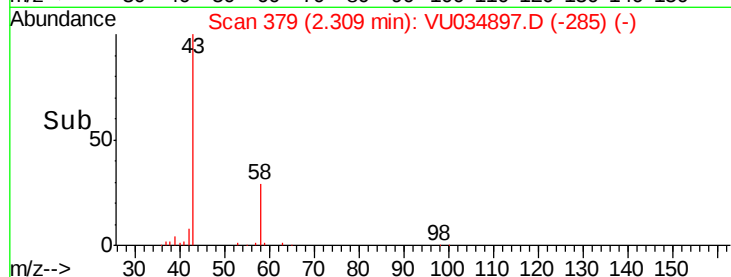
20000

10000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 1.041 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034897.D

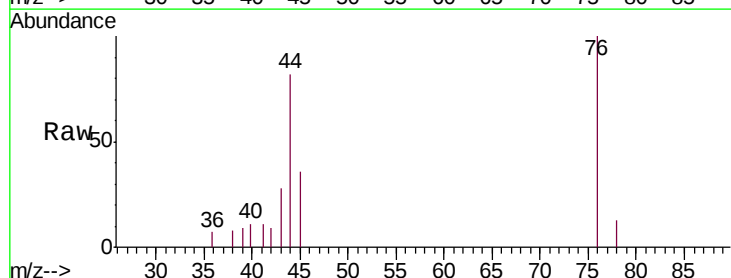
Acq: 01 Oct 2019 18:57

Tgt Ion: 76 Resp: 2174

Ion Ratio Lower Upper

76 100

78 12.6 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU034897.D (-427) (-)

Ion 78.00 (77.70 to 78.70): VU034897.D (-427) (-)

2.46

1500

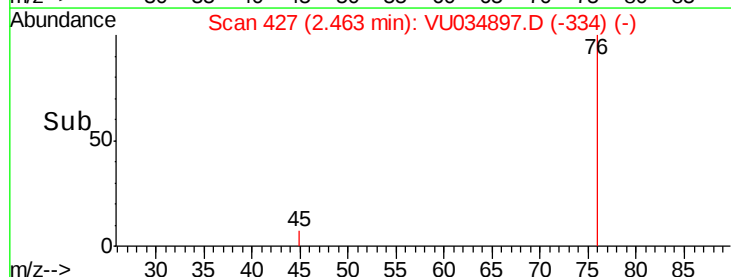
1000

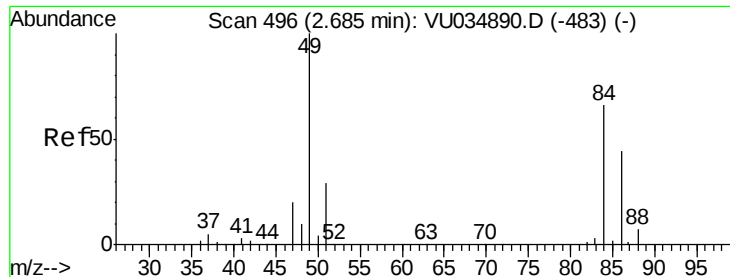
500

0

Time-->

2.42 2.44 2.46 2.48 2.50

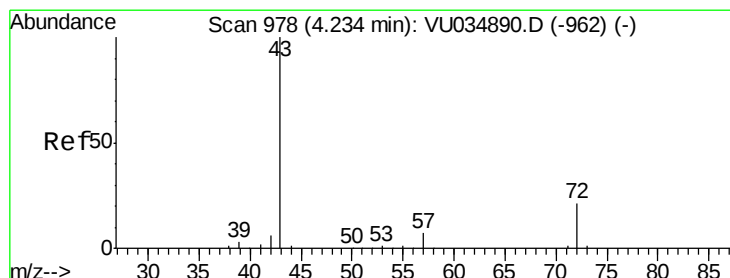
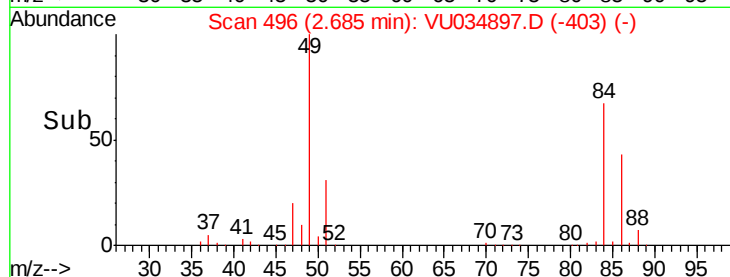
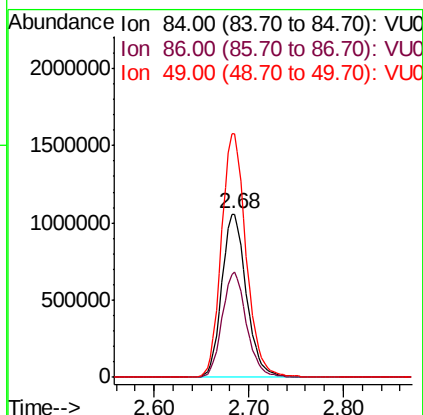
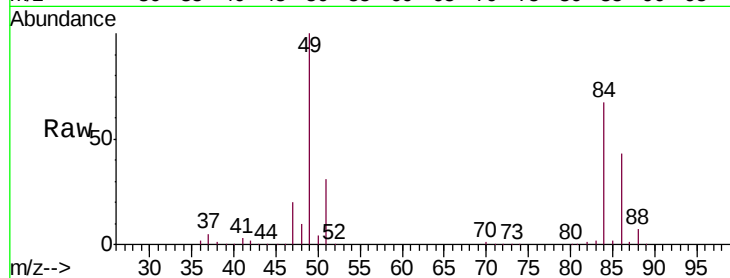




#16
Methylene chloride
Concen: 1007.218 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034897.D
Acq: 01 Oct 2019 18:57

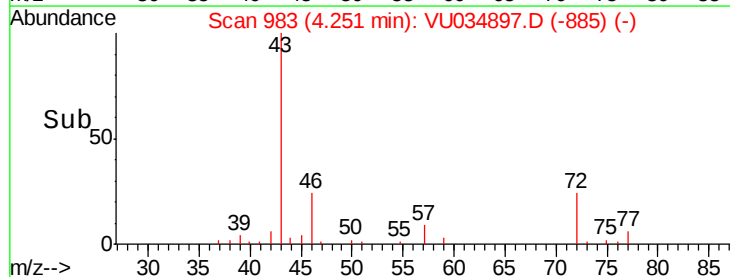
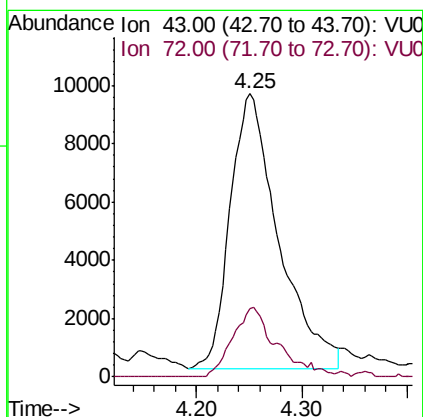
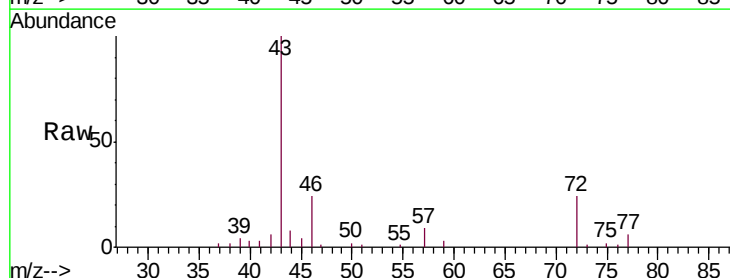
Instrument :
MSVOA_U
ClientSampleId :
BFDK6

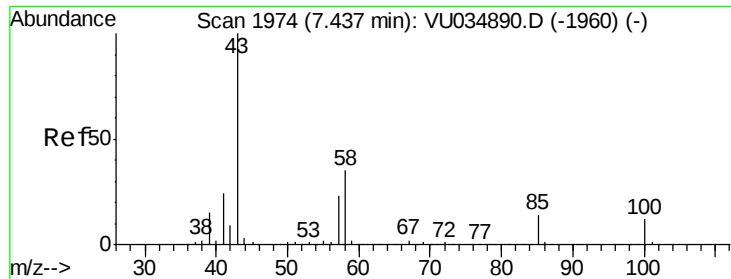
Tgt Ion: 84 Resp: 1916686
Ion Ratio Lower Upper
84 100
86 64.1 44.7 82.9
49 148.8 100.7 186.9



#22
2-Butanone
Concen: 12.263 ug/L
RT: 4.25 min Scan# 983
Delta R.T. 0.02 min
Lab File: VU034897.D
Acq: 01 Oct 2019 18:57

Tgt Ion: 43 Resp: 30074
Ion Ratio Lower Upper
43 100
72 17.4 11.2 33.6

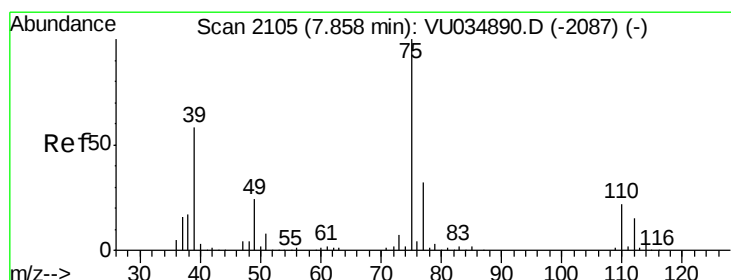
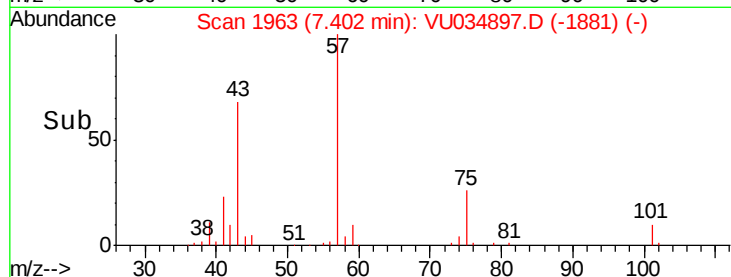
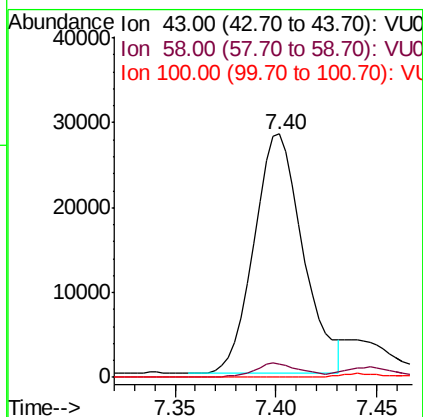
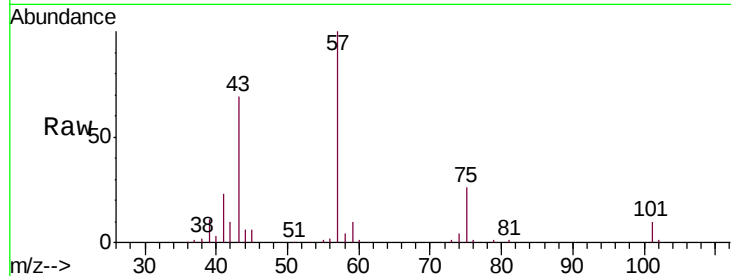




#40
 4-Methyl-2-pentanone
 Concen: 9.601 ug/L
 RT: 7.40 min Scan# 1963
 Delta R.T. -0.04 min
 Lab File: VU034897.D
 Acq: 01 Oct 2019 18:57

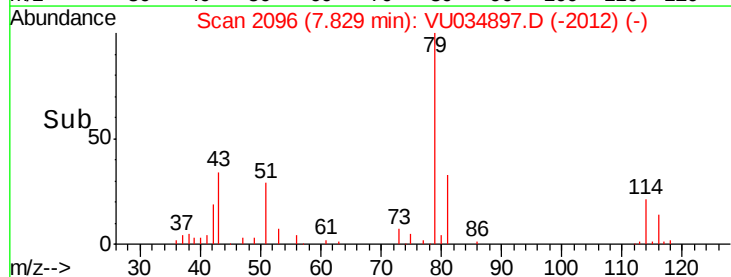
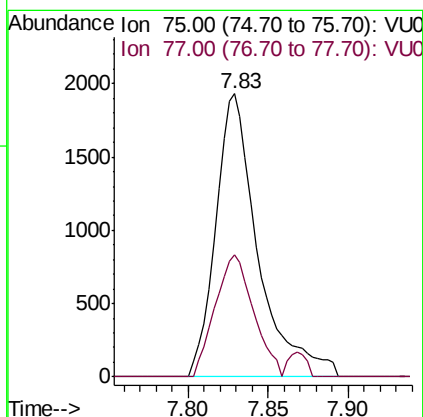
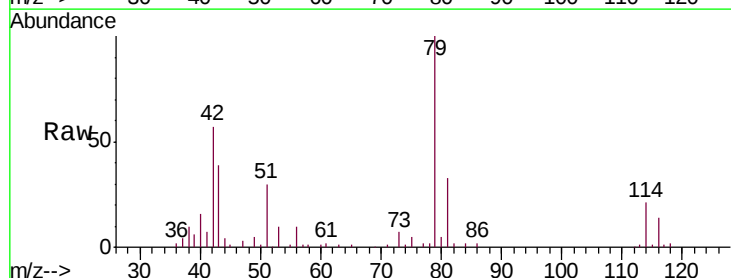
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDK6

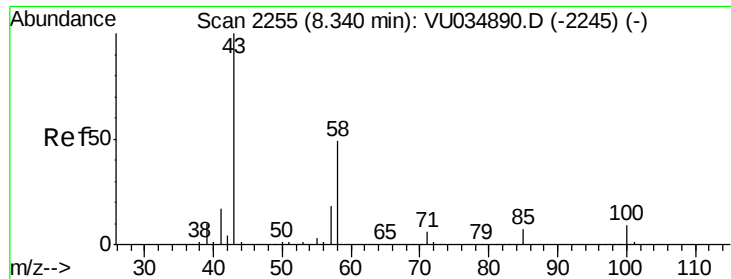
Tgt Ion: 43 Resp: 47972
 Ion Ratio Lower Upper
 43 100
 58 5.5 27.5 41.3#
 100 0.0 9.0 13.6#



#44
 trans-1,3-Dichloropropene
 Concen: 1.104 ug/L
 RT: 7.83 min Scan# 2096
 Delta R.T. -0.03 min
 Lab File: VU034897.D
 Acq: 01 Oct 2019 18:57

Tgt Ion: 75 Resp: 3495
 Ion Ratio Lower Upper
 75 100
 77 43.2 21.0 39.0#

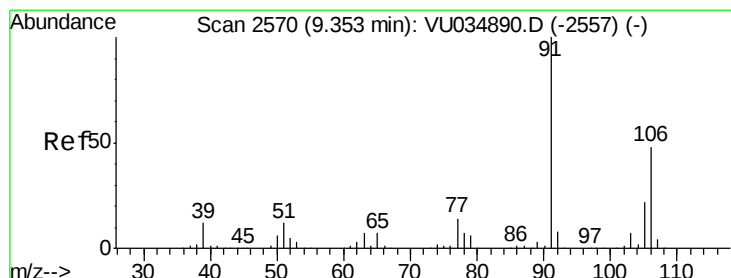
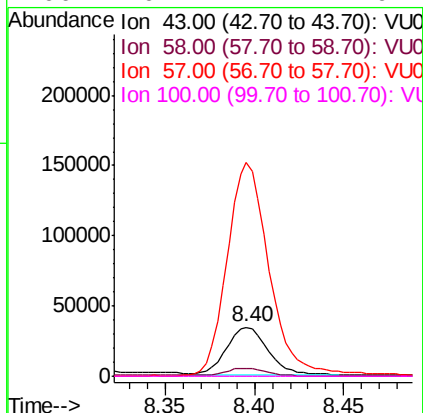
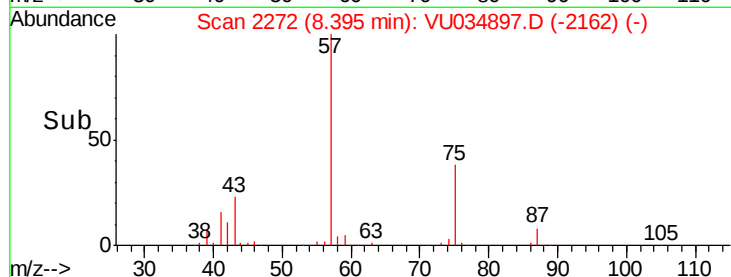
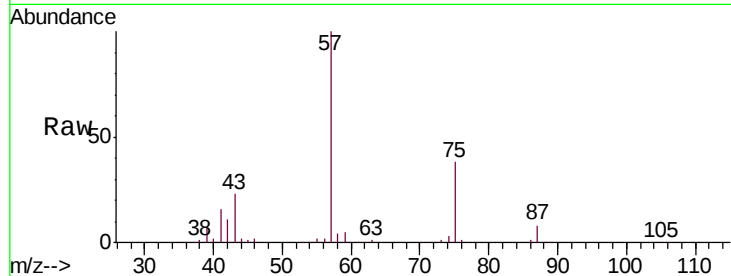




#48
2-Hexanone
Concen: 14.150 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.05 min
Lab File: VU034897.D
Acq: 01 Oct 2019 18:57

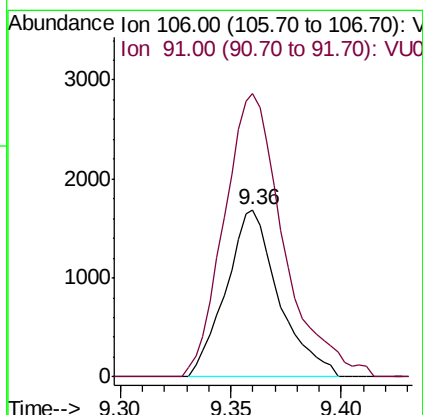
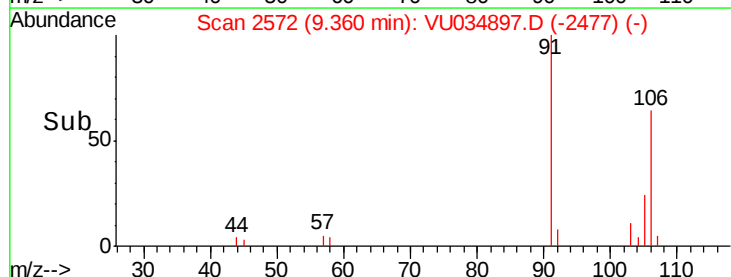
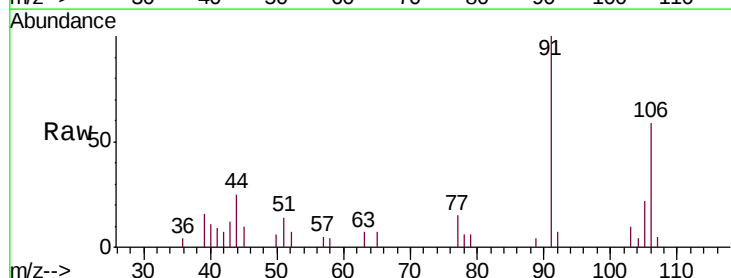
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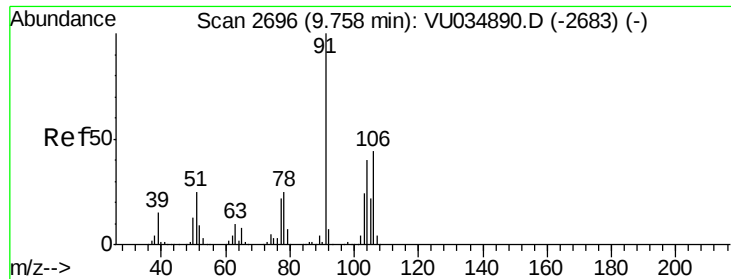
Tgt Ion: 43 Resp: 53653
Ion Ratio Lower Upper
43 100
58 15.5 37.8 56.8#
57 467.0 13.4 20.0#
100 0.1 7.1 10.7#



#53
m,p-Xylene
Concen: 0.873 ug/L
RT: 9.36 min Scan# 2572
Delta R.T. 0.01 min
Lab File: VU034897.D
Acq: 01 Oct 2019 18:57

Tgt Ion: 106 Resp: 2807
Ion Ratio Lower Upper
106 100
91 169.4 150.1 278.9





#54

o-xylene

Concen: 0.984 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034897.D

Acq: 01 Oct 2019 18:57

Instrument :

MSVOA_U

ClientSampleId :

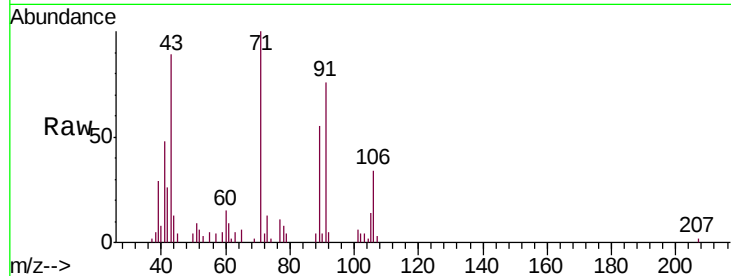
BFDK6

Tgt Ion:106 Resp: 3338

Ion Ratio Lower Upper

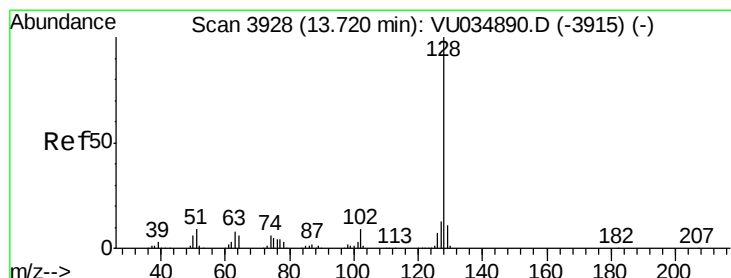
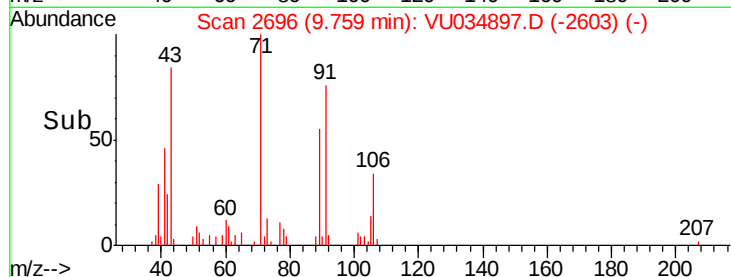
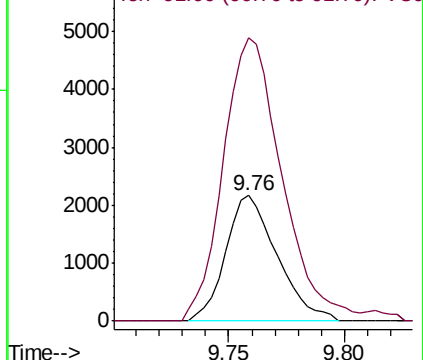
106 100

91 225.4 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

Naphthalene

Concen: 8.073 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.01 min

Lab File: VU034897.D

Acq: 01 Oct 2019 18:57

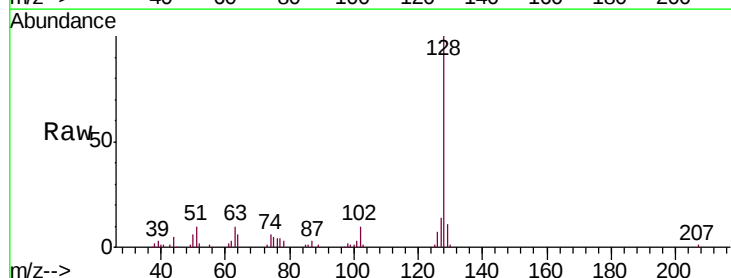
Tgt Ion:128 Resp: 57053

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

129 9.4 8.5 12.7



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

