

Data File : VU034895.D
Acq On : 01 Oct 2019 18:10
Operator : JC/SP
Sample : K5028-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDK3

Quant Time: Oct 02 01:53:53 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	348777	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	333448	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	143803	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	103313	42.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.52%
7) Chloroethane-d5	1.67	69	92643	45.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.22%
11) 1,1-Dichloroethene-d2	2.26	63	156873	36.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.00%
21) 2-Butanone-d5	4.15	46	264907	111.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.06%
24) Chloroform-d	4.62	84	222410	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
26) 1,2-Dichloroethane-d4	5.29	65	164432	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
32) Benzene-d6	5.32	84	436270	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.14%
36) 1,2-Dichloropropane-d6	6.31	67	155421	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.60%
41) Toluene-d8	7.54	98	404294	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%
43) trans-1,3-Dichloropropene-	7.83	79	67256	48.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.32%
47) 2-Hexanone-d5	8.29	63	178895	119.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.76%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	219528	49.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.50%
64) 1,2-Dichlorobenzene-d4	11.84	152	143415	50.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.24%

Target Compounds

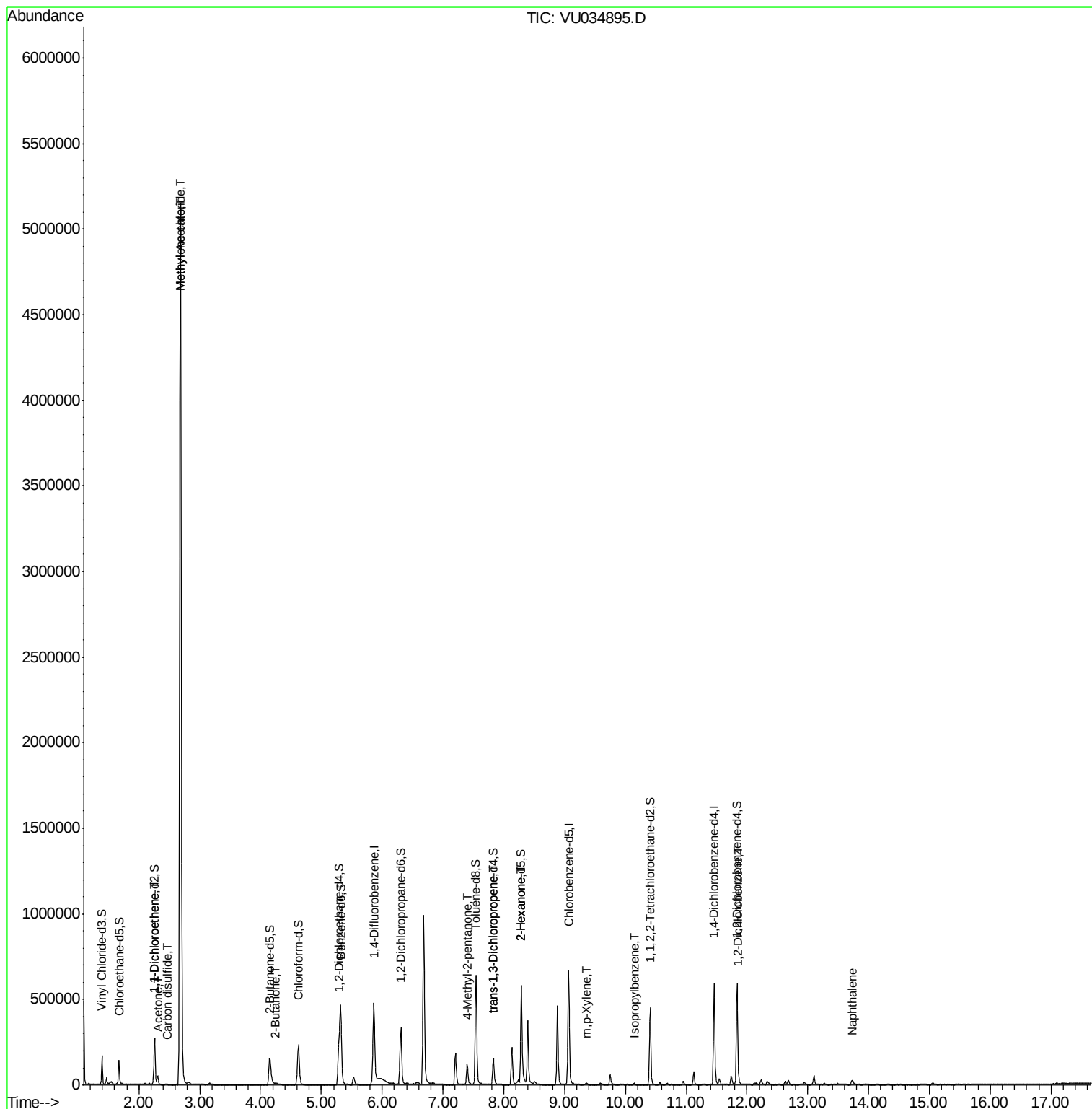
					Qvalue	
12) 1,1-Dichloroethene	2.26	96	1102	0.842	ug/L #	1
13) Acetone	2.31	43	52271	27.572	ug/L	98
14) Carbon disulfide	2.46	76	2276	1.085	ug/L #	85
15) Methyl Acetate	2.68	43	10843	3.583	ug/L	97
16) Methylene chloride	2.68	84	2059007	1077.621	ug/L	97
22) 2-Butanone	4.25	43	13326	5.412	ug/L	84
40) 4-Methyl-2-pentanone	7.40	43	49536	10.157	ug/L #	55
44) trans-1,3-Dichloropropene	7.83	75	3565	1.153	ug/L #	78
48) 2-Hexanone	8.29	43	73023	19.731	ug/L #	52
53) m,p-Xylene	9.36	106	2940	0.937	ug/L	85
56) Isopropylbenzene	10.15	105	8233	0.890	ug/L #	83
65) 1,2-Dichlorobenzene	11.85	146	3956	0.948	ug/L #	84
69) Naphthalene	13.73	128	30212	4.345	ug/L	97

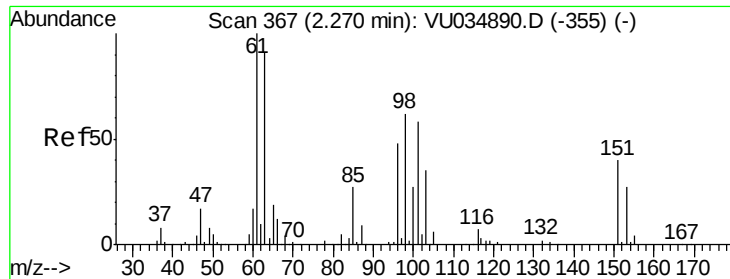
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.842 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU034895.D

Acq: 01 Oct 2019 18:10

Instrument :

MSVOA_U

ClientSampleId :

BFDK3

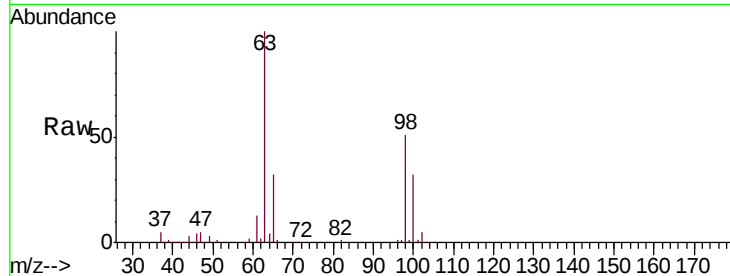
Tgt Ion: 96 Resp: 1102

Ion Ratio Lower Upper

96 100

61 1978.6 147.0 273.0#

63 15653.3 140.5 260.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

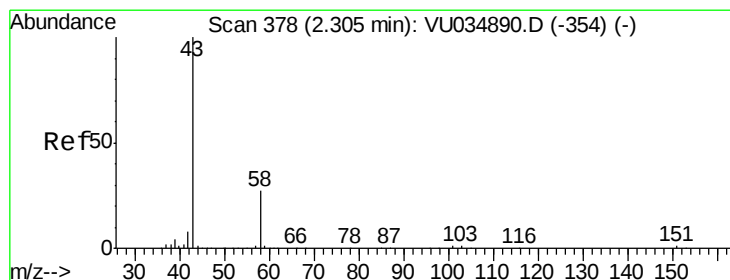
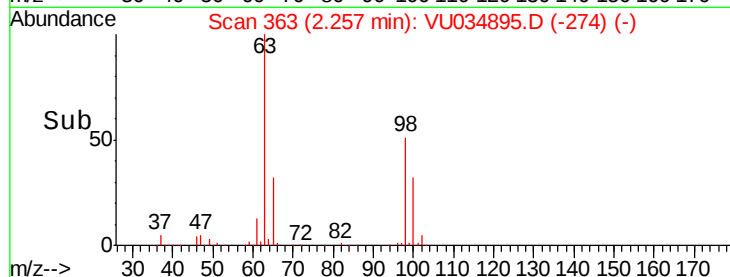
Ion 63.00 (62.70 to 63.70): VU0

100000

50000

0

Time-->



#13

Acetone

Concen: 27.572 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034895.D

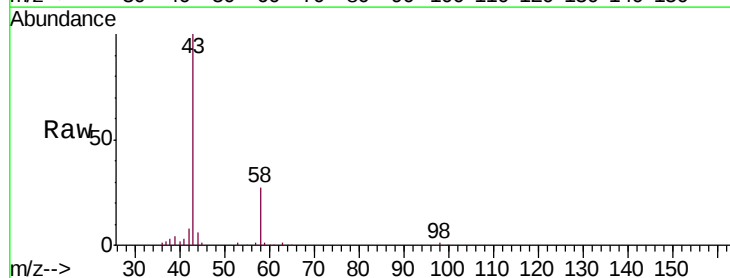
Acq: 01 Oct 2019 18:10

Tgt Ion: 43 Resp: 52271

Ion Ratio Lower Upper

43 100

58 27.3 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

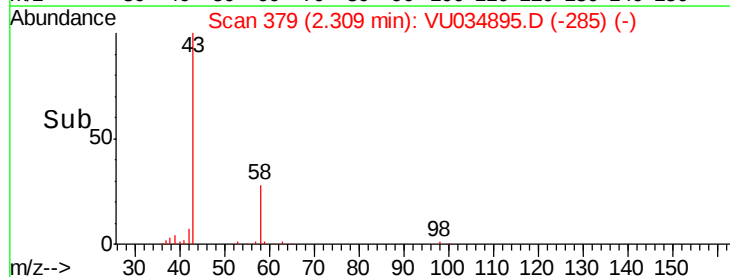
30000

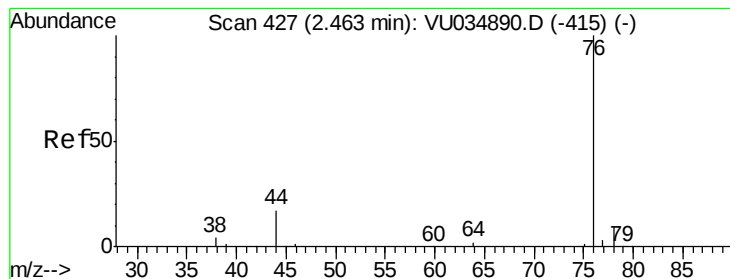
20000

10000

0

Time-->





#14

Carbon disulfide

Concen: 1.085 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034895.D

Acq: 01 Oct 2019 18:10

Instrument :

MSVOA_U

ClientSampleId :

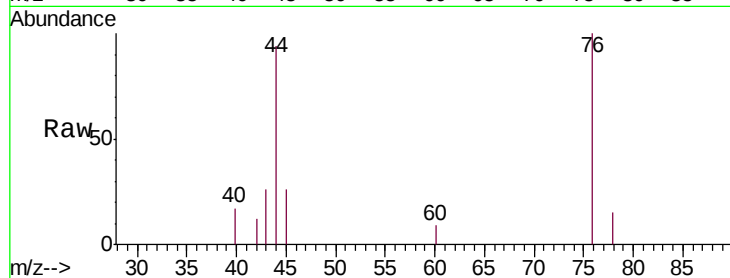
BFDK3

Tgt Ion: 76 Resp: 2276

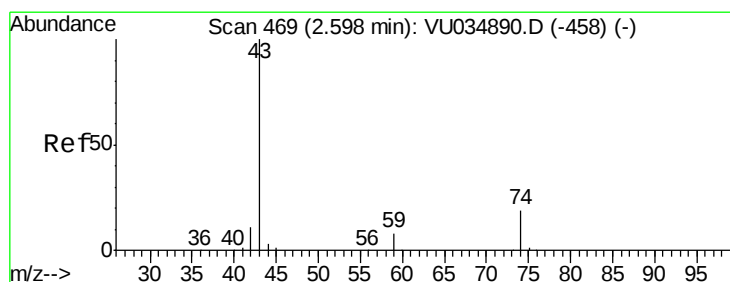
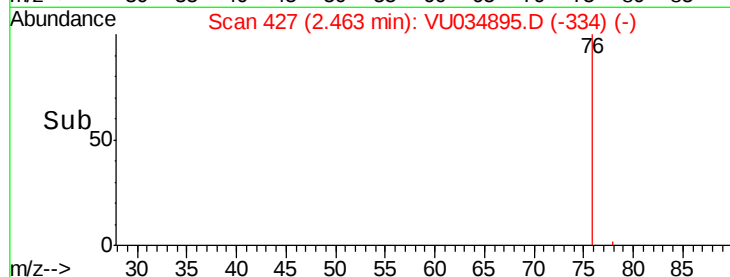
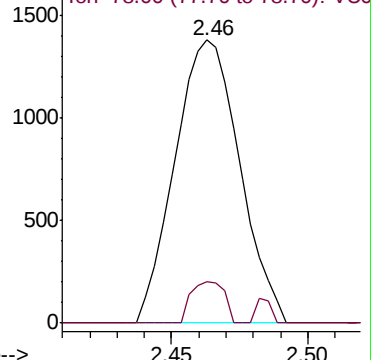
Ion Ratio Lower Upper

76 100

78 14.7 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU034895.D (-334) (-)



#15

Methyl Acetate

Concen: 3.583 ug/L

RT: 2.68 min Scan# 495

Delta R.T. 0.08 min

Lab File: VU034895.D

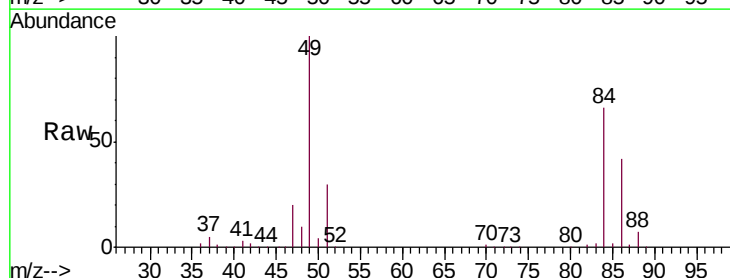
Acq: 01 Oct 2019 18:10

Tgt Ion: 43 Resp: 10843

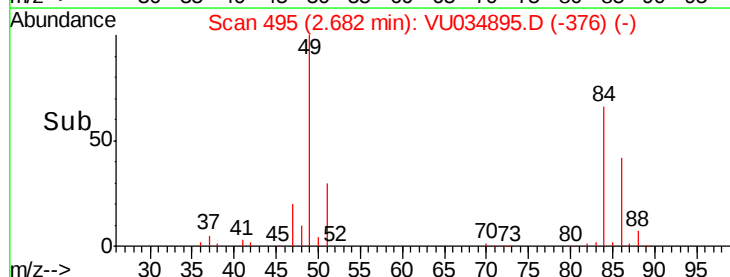
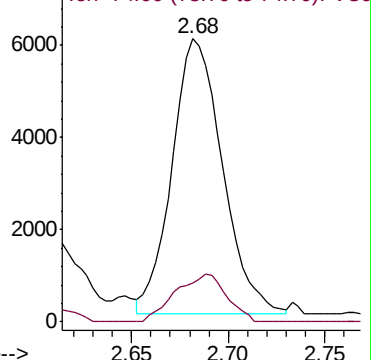
Ion Ratio Lower Upper

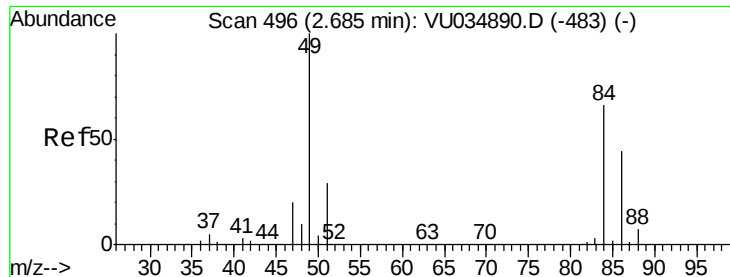
43 100

74 17.6 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU034895.D (-376) (-)

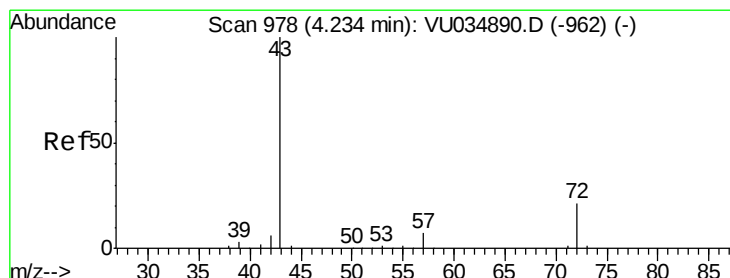
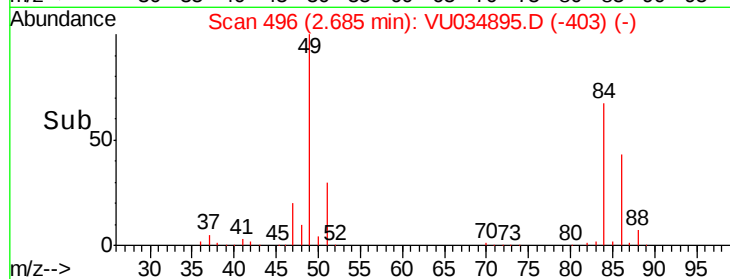
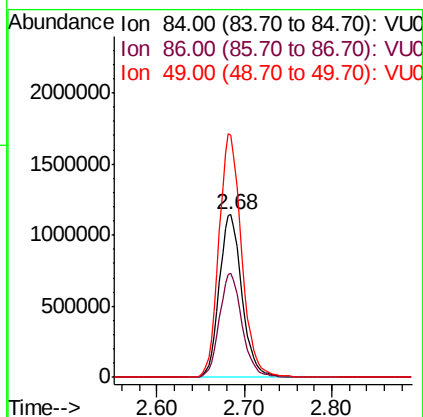
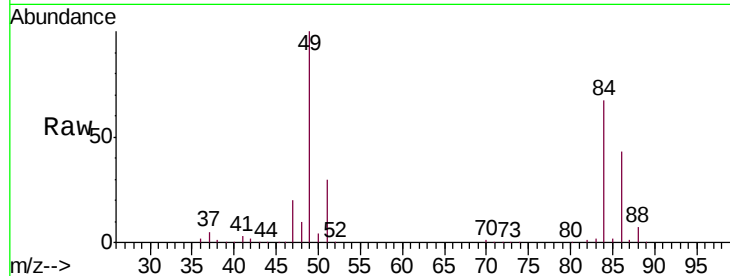




#16
Methylene chloride
Concen: 1077.621 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034895.D
Acq: 01 Oct 2019 18:10

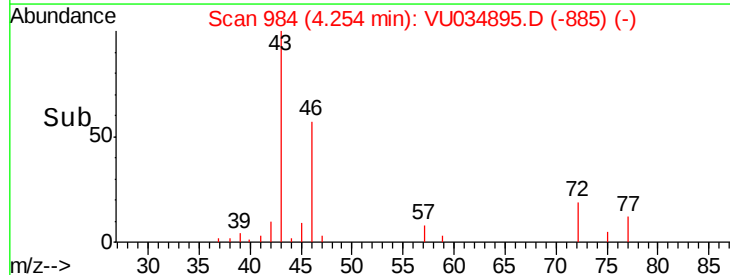
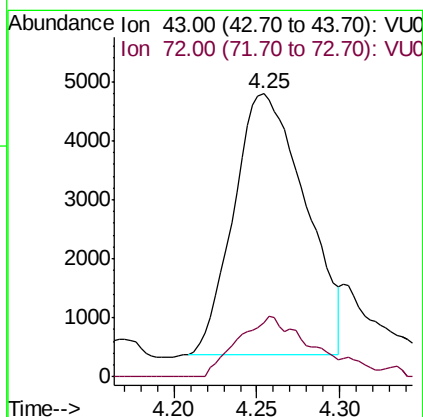
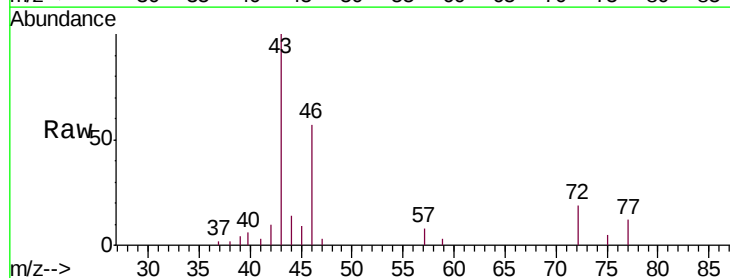
Instrument :
MSVOA_U
ClientSampleId :
BFDK3

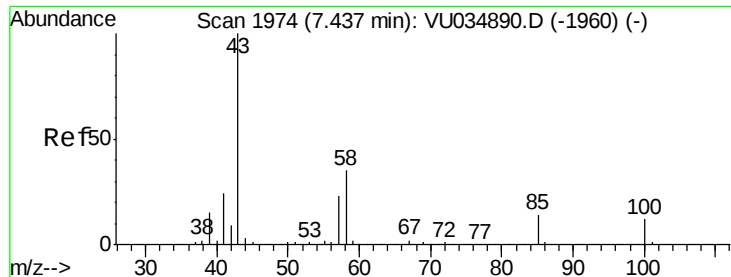
Tgt Ion: 84 Resp: 2059007
Ion Ratio Lower Upper
84 100
86 63.9 44.7 82.9
49 149.3 100.7 186.9



#22
2-Butanone
Concen: 5.412 ug/L
RT: 4.25 min Scan# 984
Delta R.T. 0.02 min
Lab File: VU034895.D
Acq: 01 Oct 2019 18:10

Tgt Ion: 43 Resp: 13326
Ion Ratio Lower Upper
43 100
72 14.5 11.2 33.6

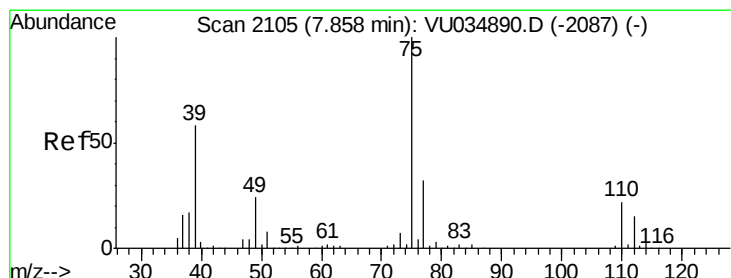
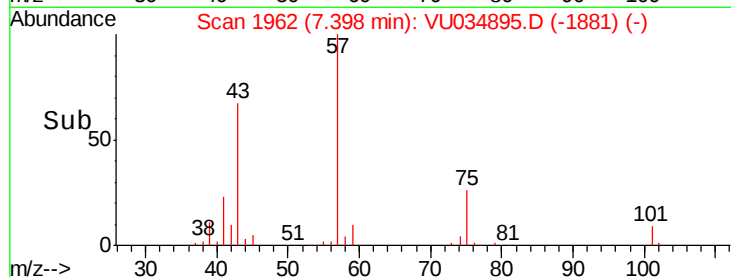
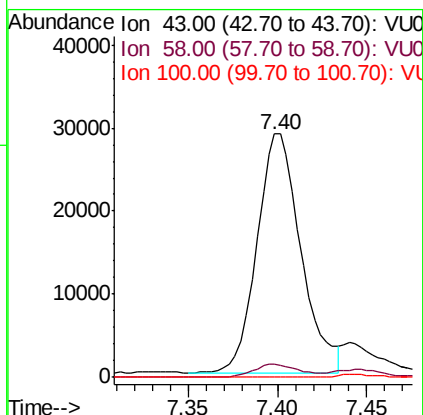
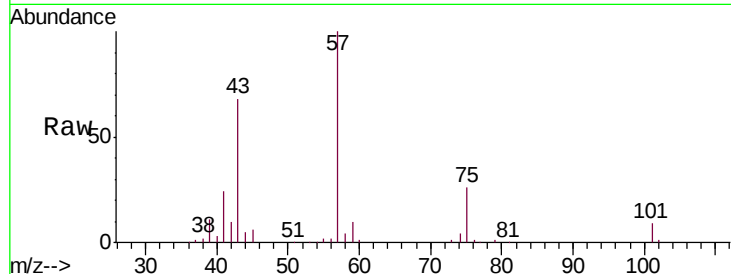




#40
 4-Methyl-2-pentanone
 Concen: 10.157 ug/L
 RT: 7.40 min Scan# 1962
 Delta R.T. -0.04 min
 Lab File: VU034895.D
 Acq: 01 Oct 2019 18:10

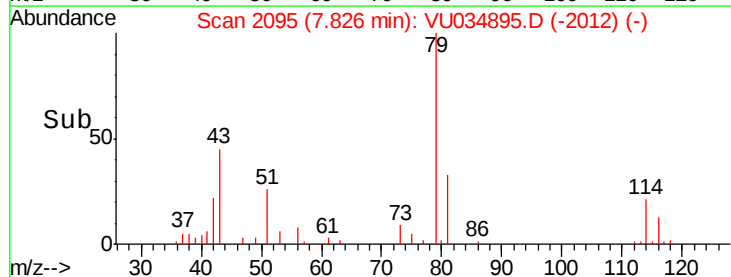
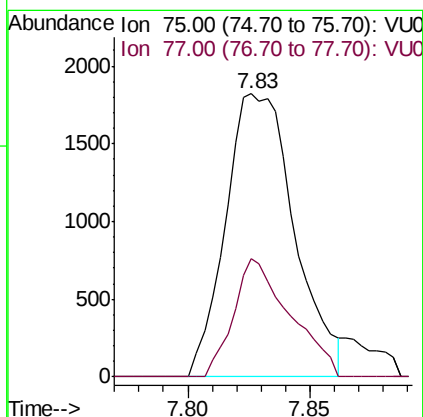
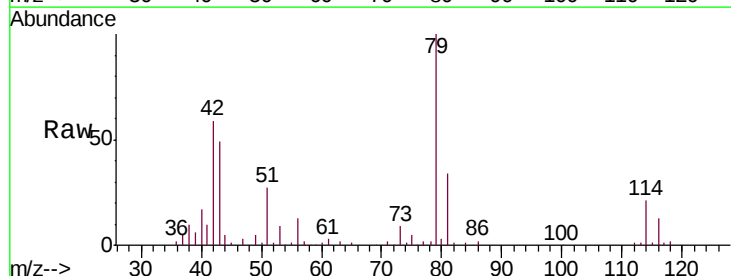
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDK3

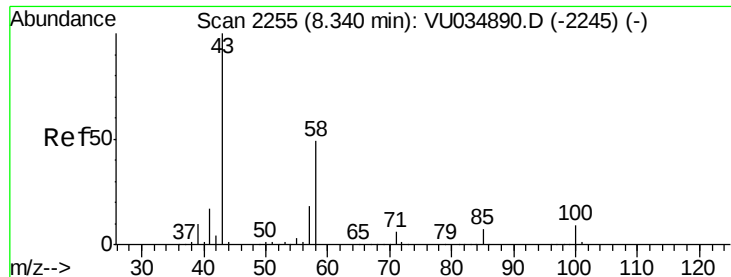
Tgt Ion: 43 Resp: 49536
 Ion Ratio Lower Upper
 43 100
 58 5.6 27.5 41.3#
 100 0.0 9.0 13.6#



#44
 trans-1,3-Dichloropropene
 Concen: 1.153 ug/L
 RT: 7.83 min Scan# 2095
 Delta R.T. -0.03 min
 Lab File: VU034895.D
 Acq: 01 Oct 2019 18:10

Tgt Ion: 75 Resp: 3565
 Ion Ratio Lower Upper
 75 100
 77 41.8 21.0 39.0#

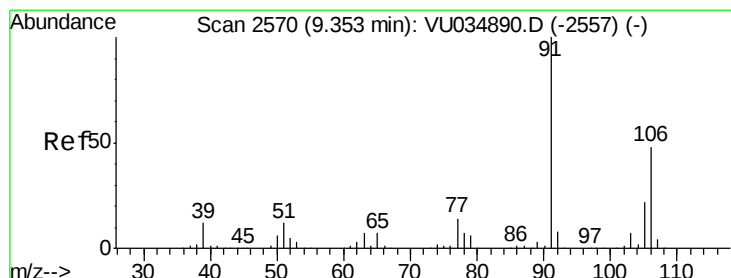
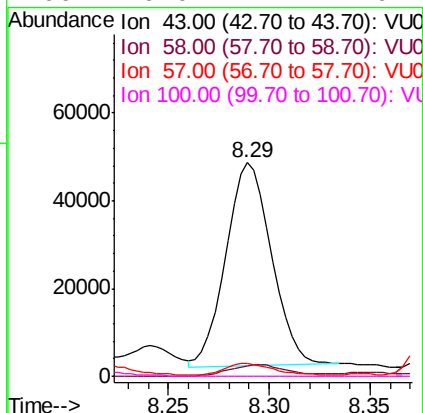
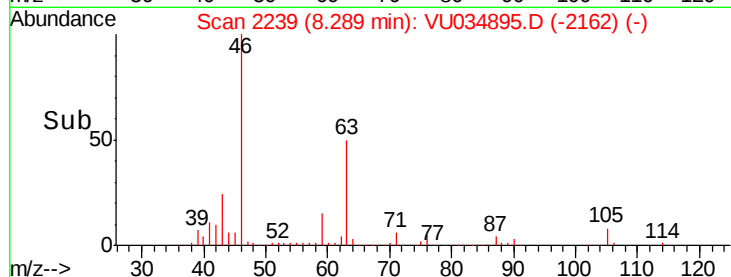
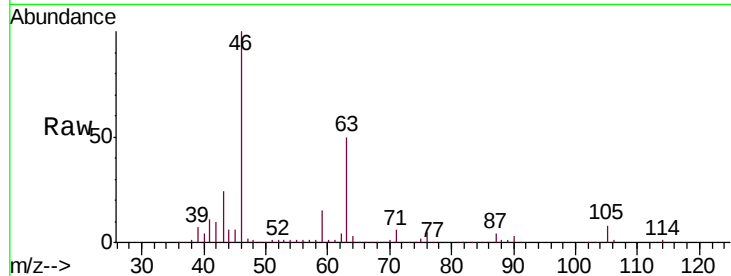




#48
2-Hexanone
Concen: 19.731 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.05 min
Lab File: VU034895.D
Acq: 01 Oct 2019 18:10

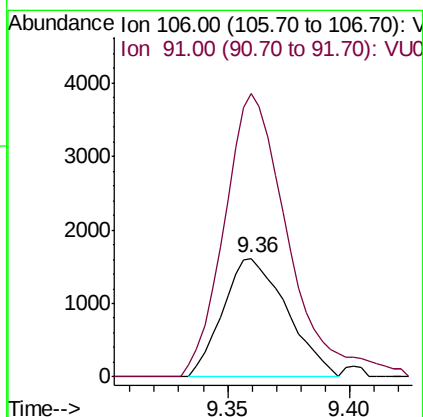
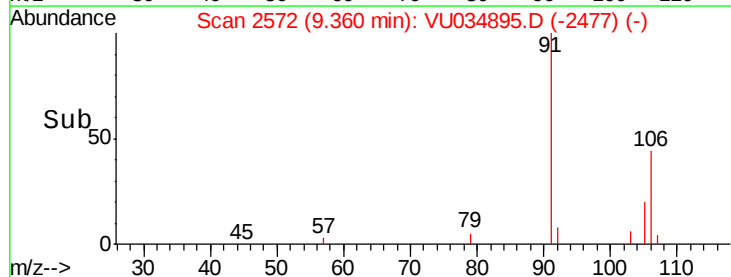
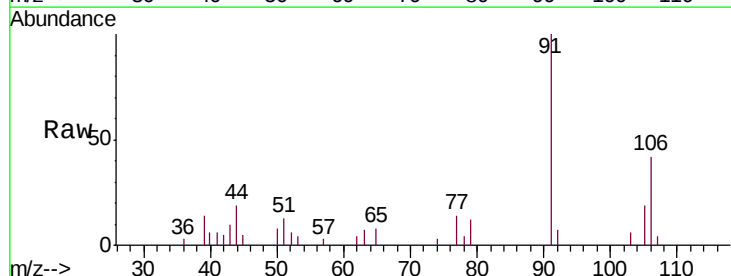
Instrument :
MSVOA_U
ClientSampleId :
BFDK3

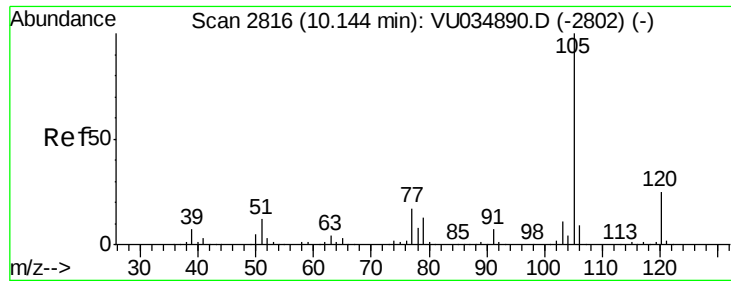
Tgt Ion: 43 Resp: 73023
Ion Ratio Lower Upper
43 100
58 7.0 37.8 56.8#
57 6.3 13.4 20.0#
100 0.0 7.1 10.7#



#53
m,p-Xylene
Concen: 0.937 ug/L
RT: 9.36 min Scan# 2572
Delta R.T. 0.01 min
Lab File: VU034895.D
Acq: 01 Oct 2019 18:10

Tgt Ion: 106 Resp: 2940
Ion Ratio Lower Upper
106 100
91 238.7 150.1 278.9





#56

Isopropylbenzene

Concen: 0.890 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034895.D

Acq: 01 Oct 2019 18:10

Instrument :

MSVOA_U

ClientSampleId :

BFDK3

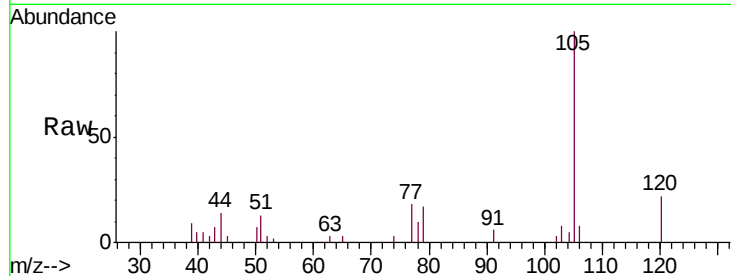
Tgt Ion:105 Resp: 8233

Ion Ratio Lower Upper

105 100

120 23.5 20.2 30.4

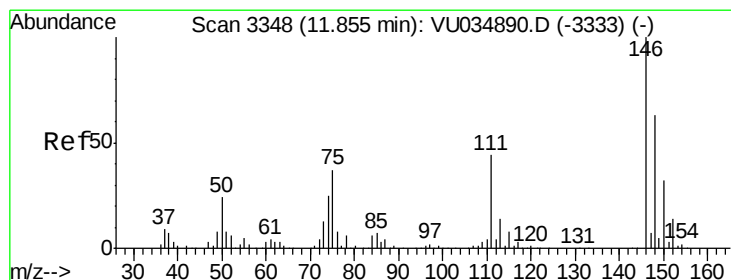
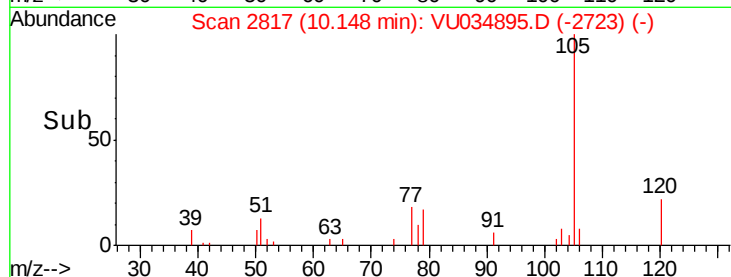
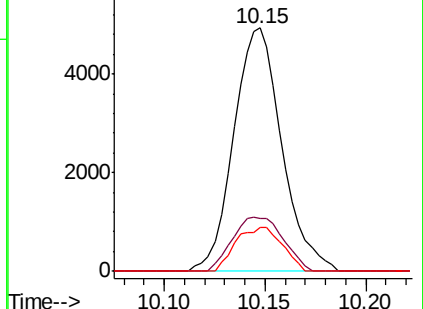
77 1.4 13.7 20.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#65

1,2-Dichlorobenzene

Concen: 0.948 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034895.D

Acq: 01 Oct 2019 18:10

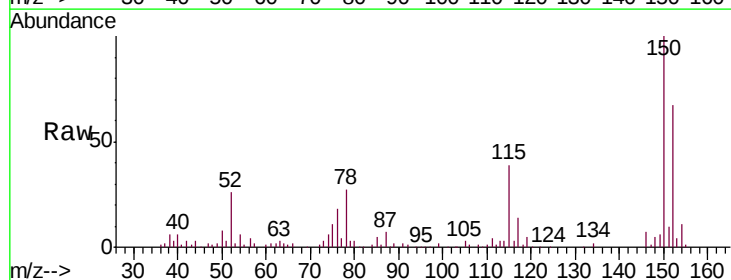
Tgt Ion:146 Resp: 3956

Ion Ratio Lower Upper

146 100

111 63.9 34.9 52.3#

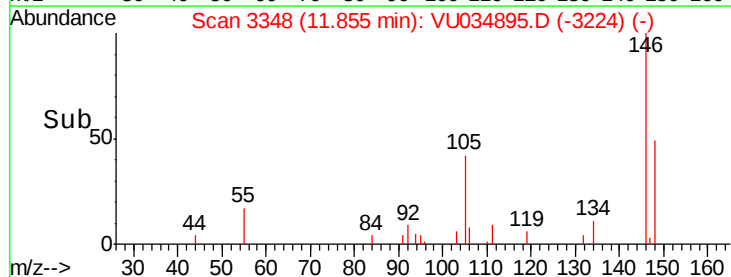
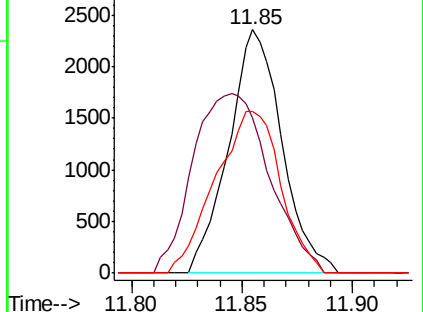
148 66.7 50.0 75.0

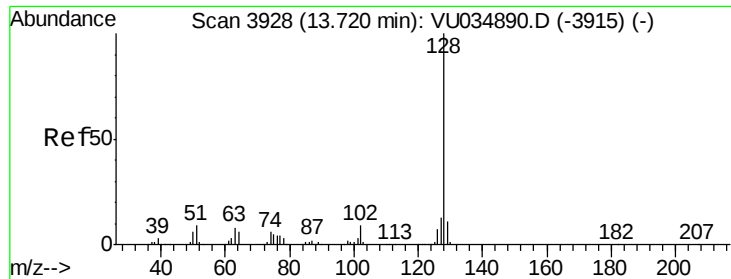


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

Naphthalene

Concen: 4.345 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.01 min

Lab File: VU034895.D

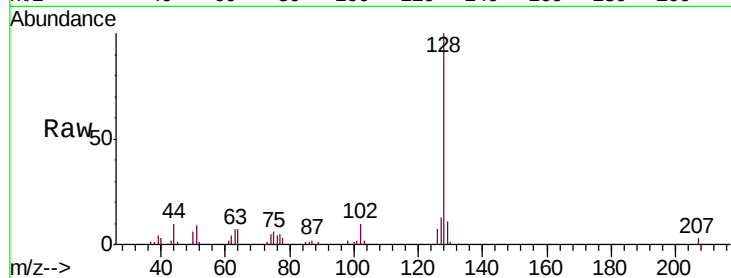
Acq: 01 Oct 2019 18:10

Instrument :

MSVOA_U

ClientSampleId :

BFDK3



Tgt Ion:128 Resp: 30212

Ion Ratio Lower Upper

128 100

127 11.5 10.4 15.6

129 10.1 8.5 12.7

