

Data File : VU034899.D
Acq On : 01 Oct 2019 19:44
Operator : JC/SP
Sample : K5028-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDK2

Quant Time: Oct 02 01:55:01 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	350113	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	335279	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	147710	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	103044	41.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.98%
7) Chloroethane-d5	1.67	69	91367	44.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.64%
11) 1,1-Dichloroethene-d2	2.26	63	156145	35.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.38%
21) 2-Butanone-d5	4.15	46	269332	112.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.48%
24) Chloroform-d	4.62	84	219853	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
26) 1,2-Dichloroethane-d4	5.29	65	162527	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.96%
32) Benzene-d6	5.32	84	435407	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
36) 1,2-Dichloropropane-d6	6.31	67	153698	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.96%
41) Toluene-d8	7.54	98	405293	47.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.38%
43) trans-1,3-Dichloropropene-	7.83	79	67486	48.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.12%
47) 2-Hexanone-d5	8.29	63	180985	120.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.50%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	222710	49.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.38%
64) 1,2-Dichlorobenzene-d4	11.84	152	145828	49.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.24%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1333	0.806	ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1115	0.849	ug/L #	1
13) Acetone	2.31	43	86598	45.504	ug/L	98
14) Carbon disulfide	2.47	76	2651	1.259	ug/L #	87
15) Methyl Acetate	2.61	43	2983	0.982	ug/L	100
16) Methylene chloride	2.68	84	1953046	1018.264	ug/L	96
22) 2-Butanone	4.25	43	25455	10.298	ug/L	94
39) cis-1,3-Dichloropropene	7.21	75	4835	1.419	ug/L #	67
40) 4-Methyl-2-pentanone	7.40	43	47643	9.716	ug/L #	55
42) Toluene	7.62	91	7993	1.039	ug/L	95
44) trans-1,3-Dichloropropene	7.83	75	3430	1.104	ug/L	98
48) 2-Hexanone	8.40	43	51642	13.878	ug/L #	1
52) Ethylbenzene	9.23	91	33232	3.679	ug/L	100
53) m,p-Xylene	9.35	106	40775	12.921	ug/L	99
54) o-xylene	9.76	106	22899	6.881	ug/L	92
56) Isopropylbenzene	10.14	105	12905	1.388	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	5122	1.195	ug/L #	78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration

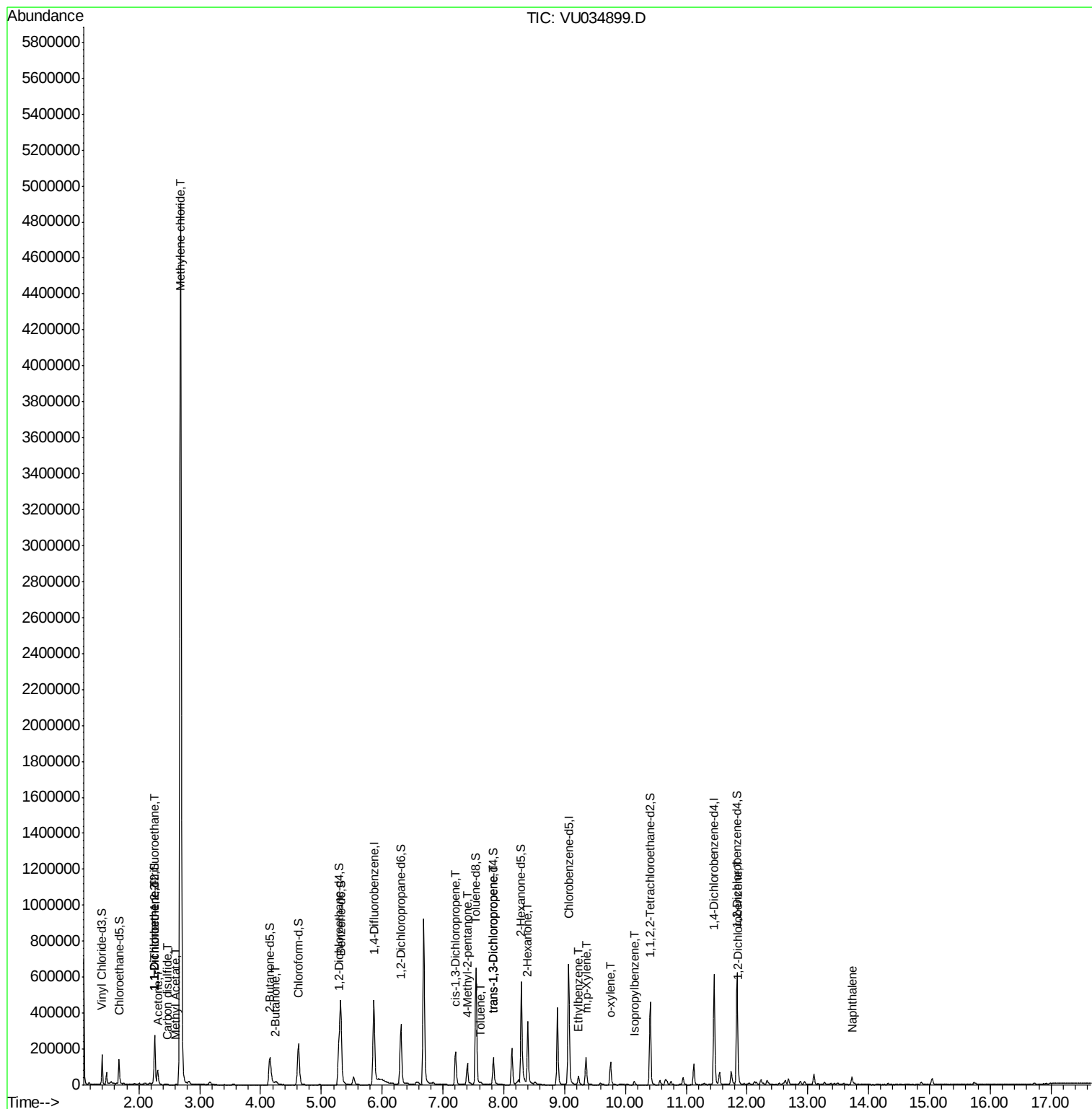
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.73	128	39225	5.492	ug/L	100

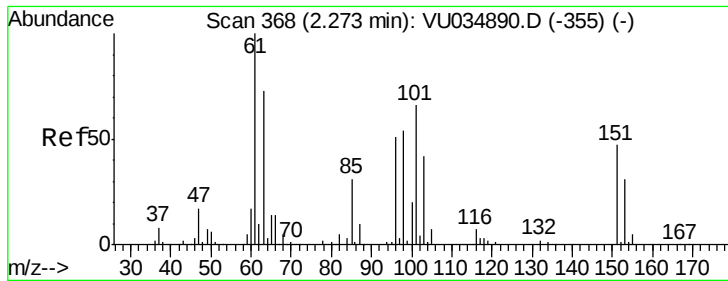
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.806 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

BFDK2

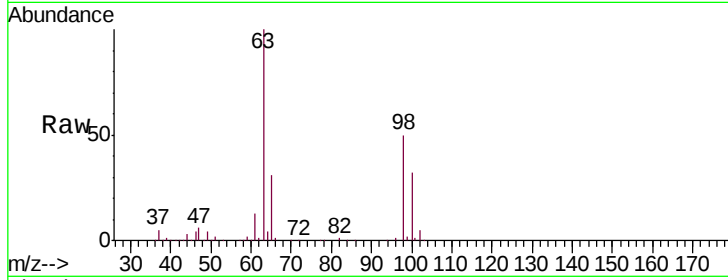
Tgt Ion:101 Resp: 1333

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

151 0.0 56.0 84.0#



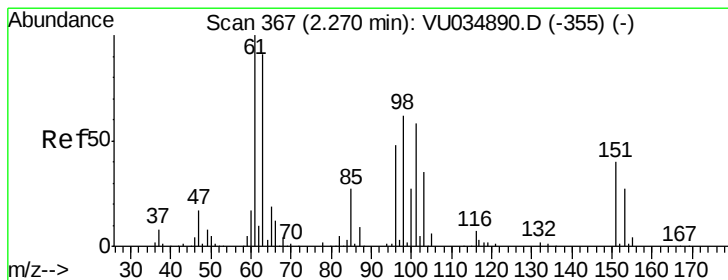
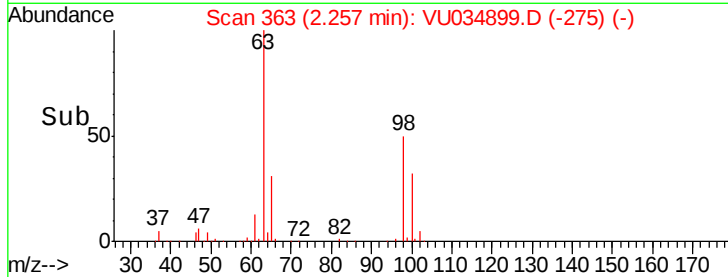
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.26

Time-->



#12

1,1-Dichloroethene

Concen: 0.849 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

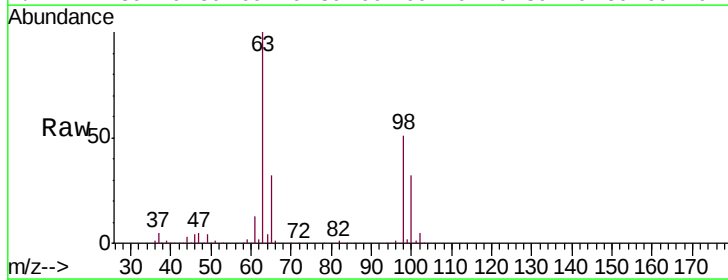
Tgt Ion: 96 Resp: 1115

Ion Ratio Lower Upper

96 100

61 1672.7 147.0 273.0#

63 13256.4 140.5 260.9#



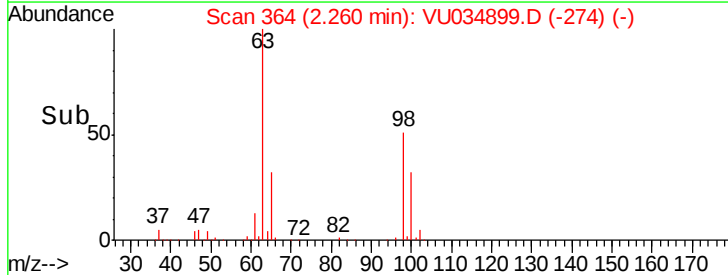
Abundance Ion 96.00 (95.70 to 96.70): VU0

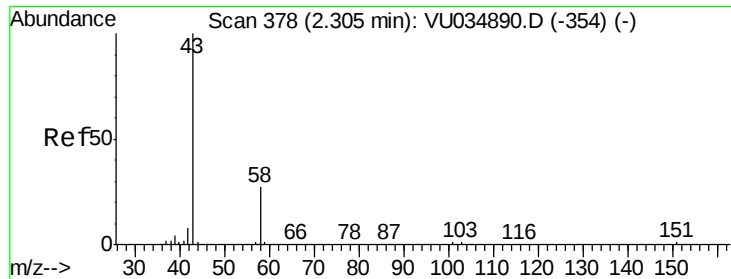
Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

2.26

Time-->





#13

Acetone

Concen: 45.504 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

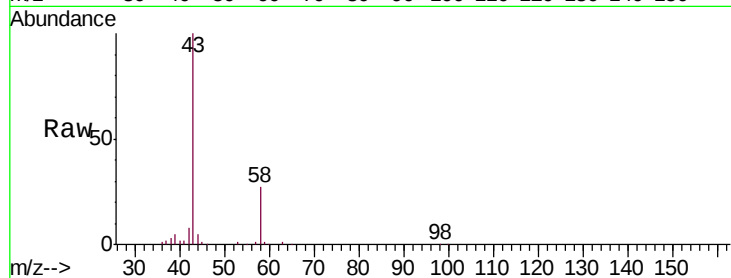
BFDK2

Tgt Ion: 43 Resp: 86598

Ion Ratio Lower Upper

43 100

58 27.5 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU034899.D (-354) (-)

Ion 58.00 (57.70 to 58.70): VU034899.D (-354) (-)

2.31

60000

50000

40000

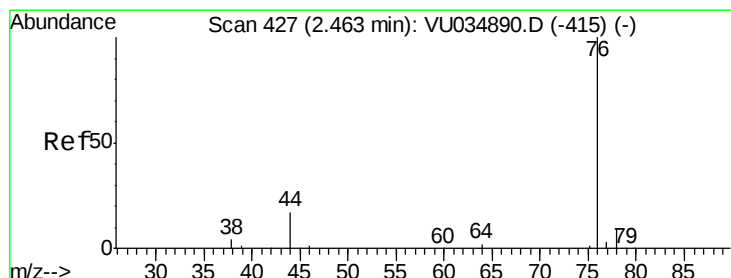
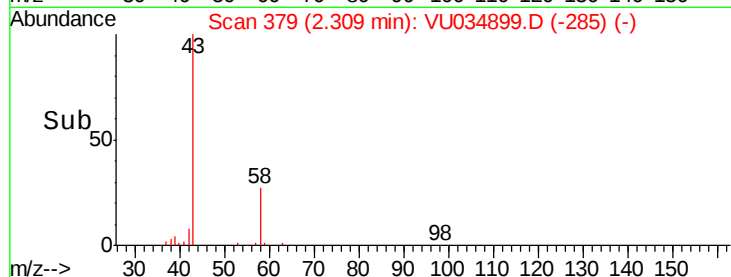
30000

20000

10000

0

Time-->



#14

Carbon disulfide

Concen: 1.259 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034899.D

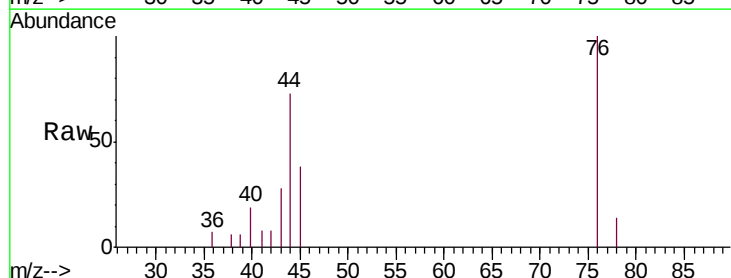
Acq: 01 Oct 2019 19:44

Tgt Ion: 76 Resp: 2651

Ion Ratio Lower Upper

76 100

78 13.9 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU034899.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU034899.D (-415) (-)

2000

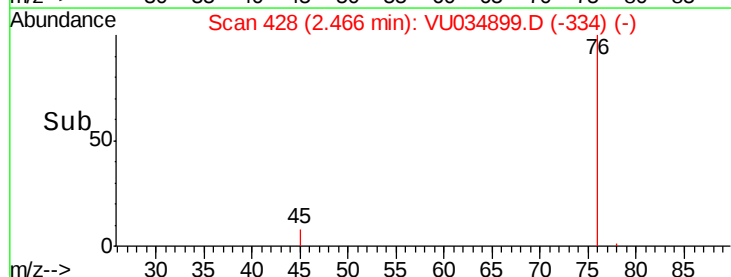
1500

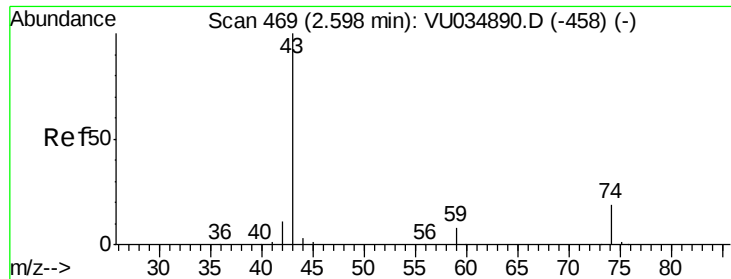
1000

500

0

Time-->

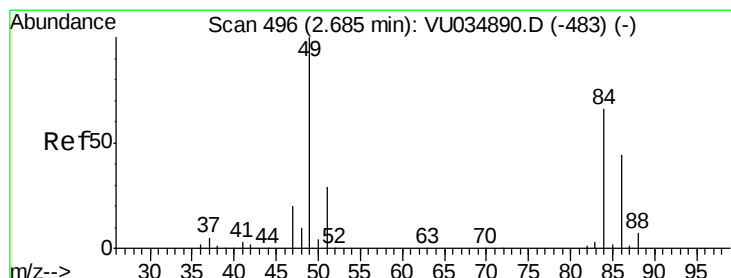
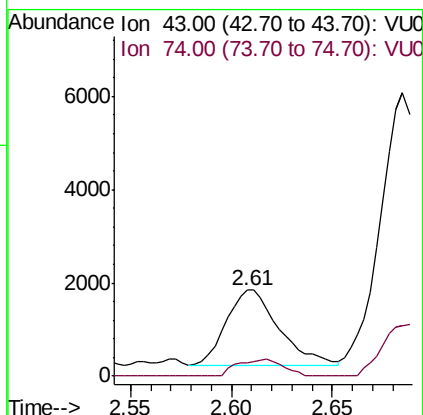
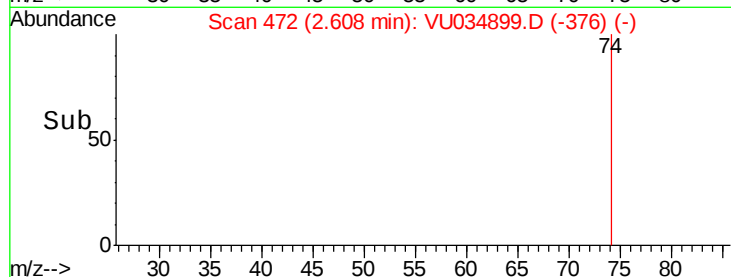
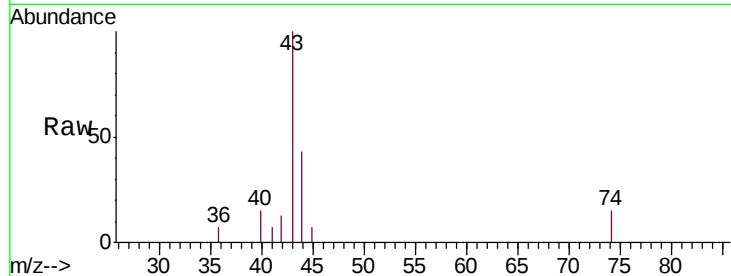




#15
Methyl Acetate
Concen: 0.982 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU034899.D
Acq: 01 Oct 2019 19:44

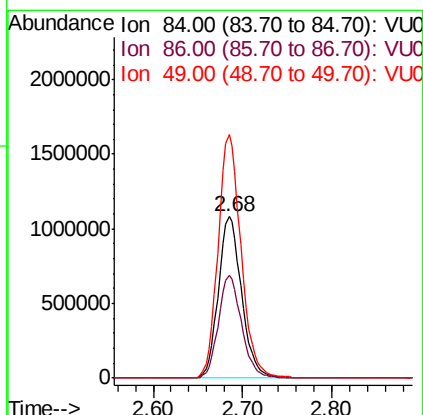
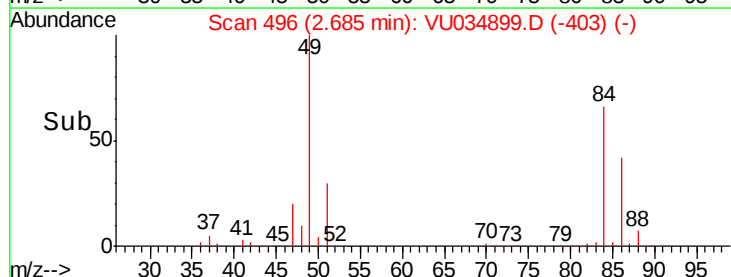
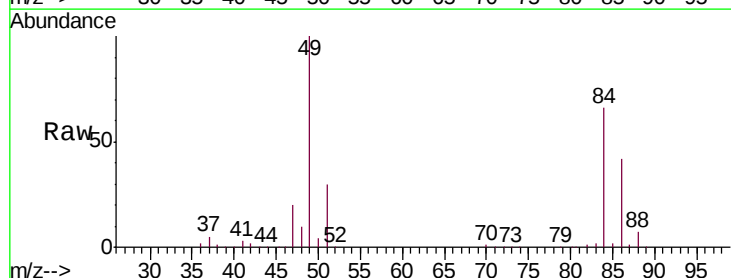
Instrument :
MSVOA_U
ClientSampleId :
BFDK2

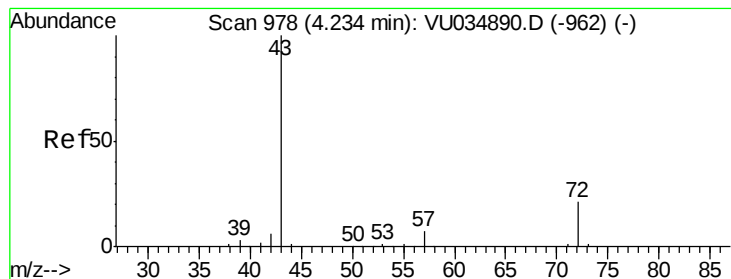
Tgt Ion: 43 Resp: 2983
Ion Ratio Lower Upper
43 100
74 18.9 15.3 22.9



#16
Methylene chloride
Concen: 1018.264 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034899.D
Acq: 01 Oct 2019 19:44

Tgt Ion: 84 Resp: 1953046
Ion Ratio Lower Upper
84 100
86 63.5 44.7 82.9
49 150.7 100.7 186.9





#22

2-Butanone

Concen: 10.298 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.02 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

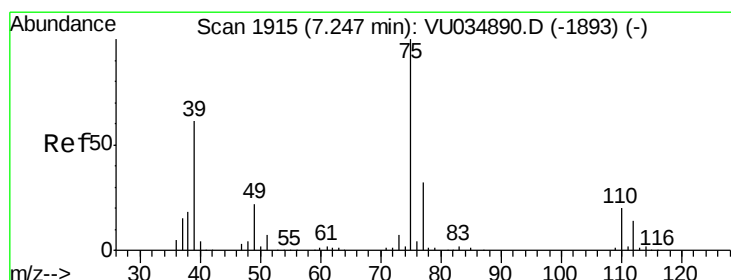
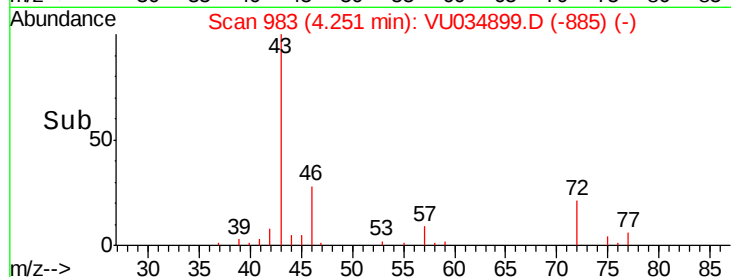
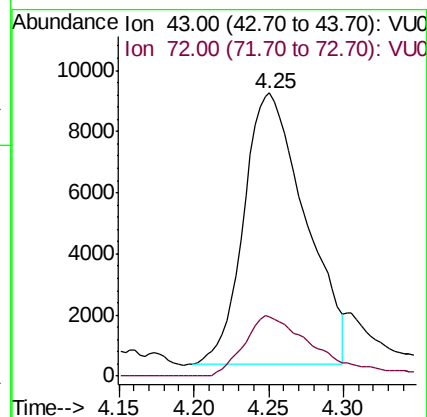
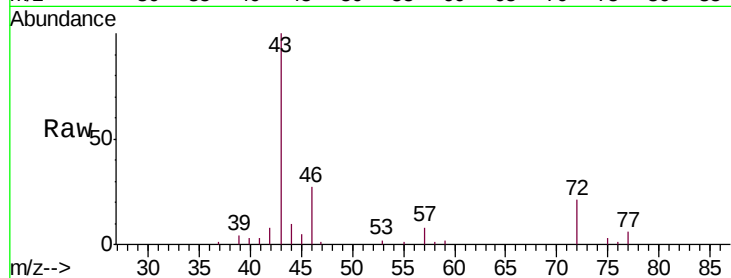
BFDK2

Tgt Ion: 43 Resp: 25455

Ion Ratio Lower Upper

43 100

72 25.1 11.2 33.6



#39

cis-1,3-Dichloropropene

Concen: 1.419 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU034899.D

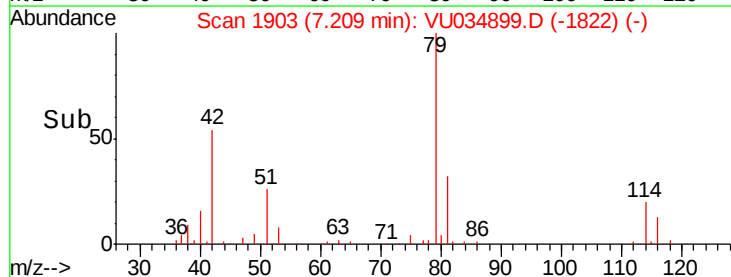
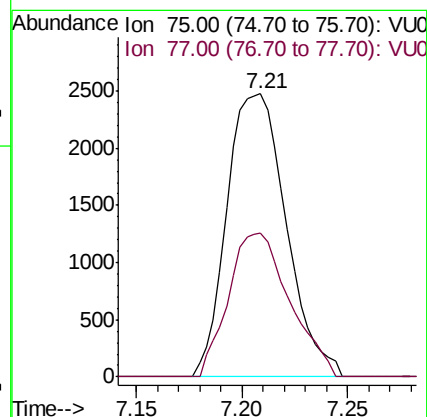
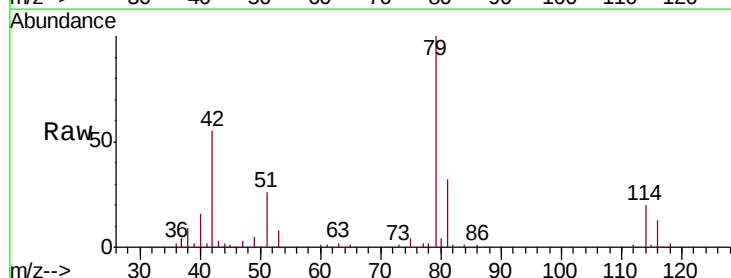
Acq: 01 Oct 2019 19:44

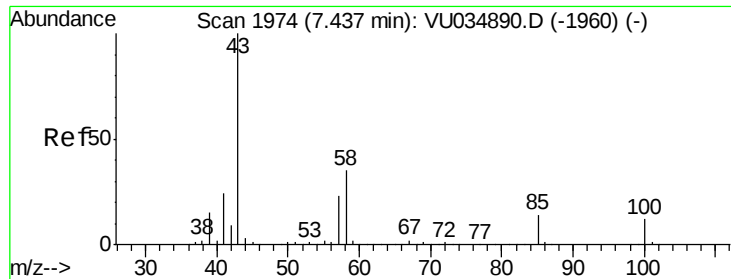
Tgt Ion: 75 Resp: 4835

Ion Ratio Lower Upper

75 100

77 50.7 22.4 41.6#

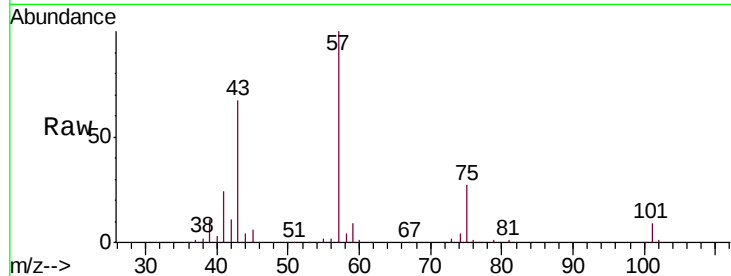




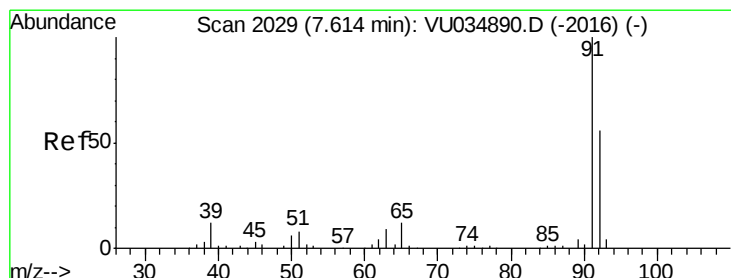
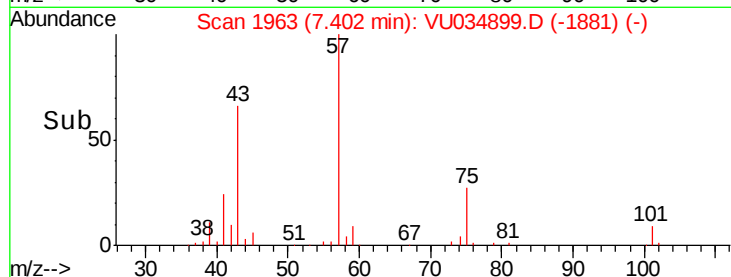
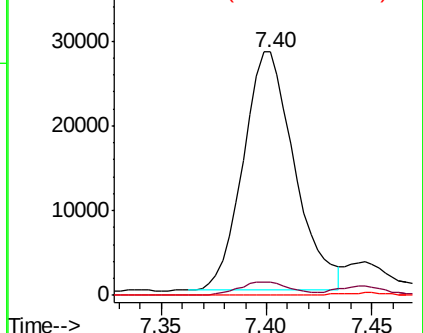
#40
4-Methyl-2-pentanone
Concen: 9.716 ug/L
RT: 7.40 min Scan# 1963
Delta R.T. -0.04 min
Lab File: VU034899.D
Acq: 01 Oct 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
BFDK2

Tgt Ion: 43 Resp: 47643
Ion Ratio Lower Upper
43 100
58 5.7 27.5 41.3#
100 0.1 9.0 13.6#

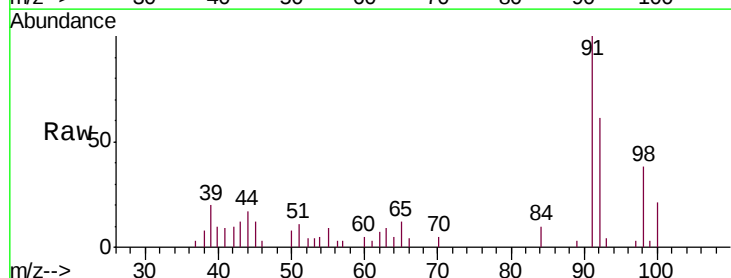


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

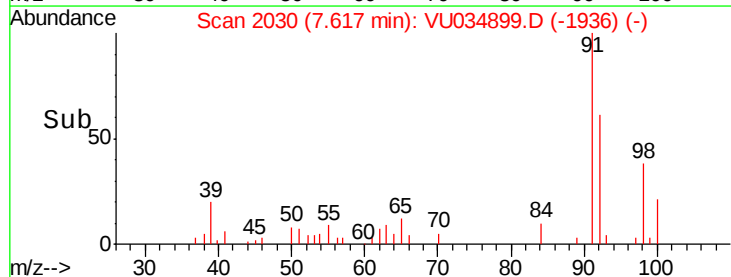
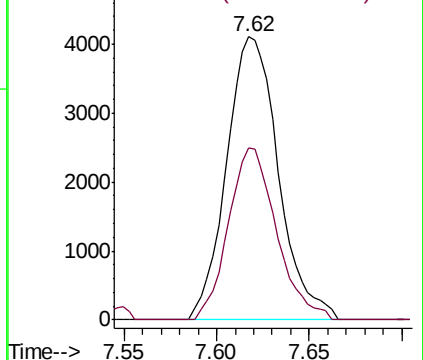


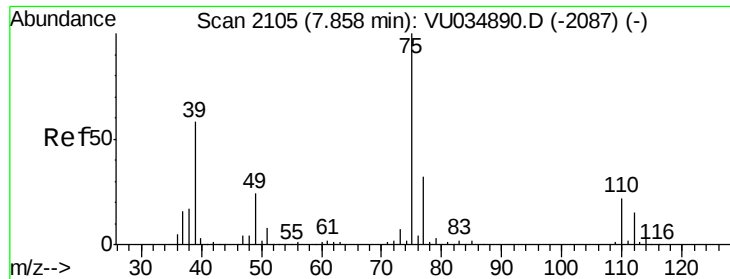
#42
Toluene
Concen: 1.039 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034899.D
Acq: 01 Oct 2019 19:44

Tgt Ion: 91 Resp: 7993
Ion Ratio Lower Upper
91 100
92 61.0 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0

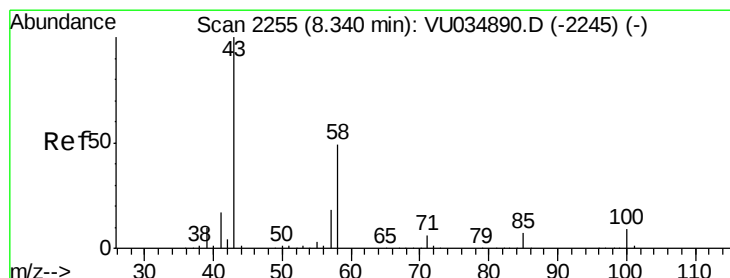
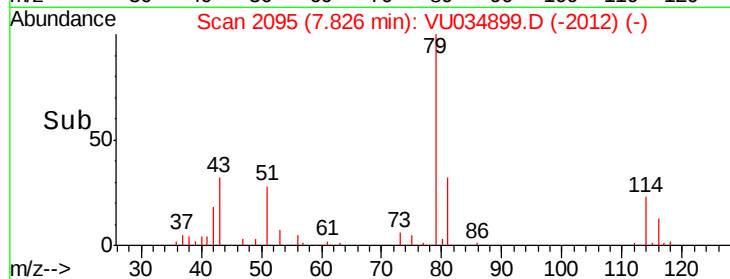
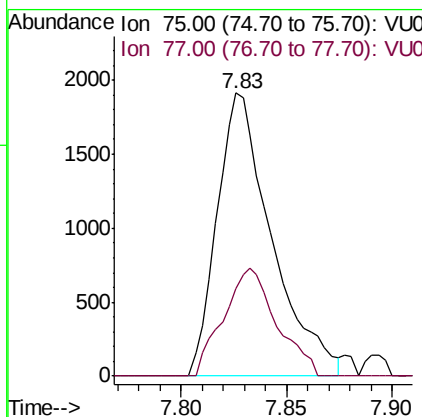
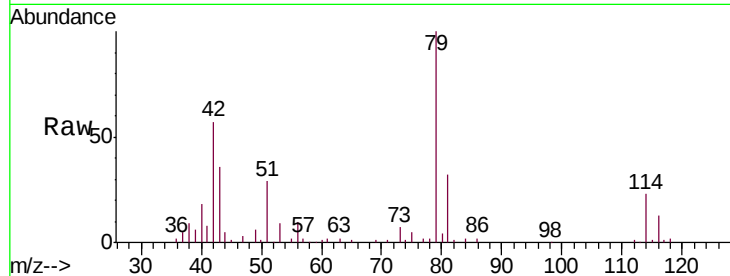




#44
trans-1,3-Dichloropropene
Concen: 1.104 ug/L
RT: 7.83 min Scan# 2095
Delta R.T. -0.03 min
Lab File: VU034899.D
Acq: 01 Oct 2019 19:44

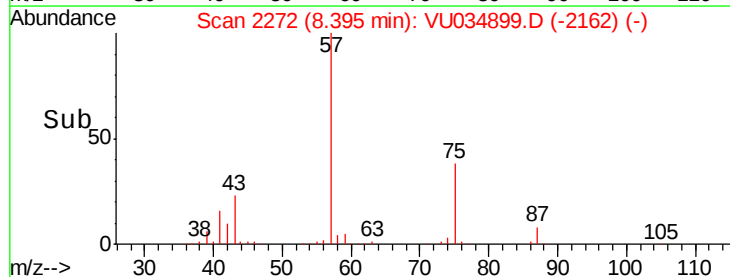
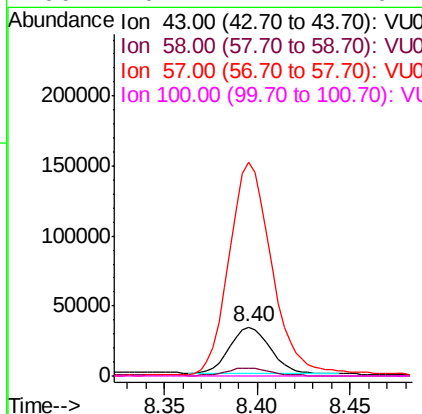
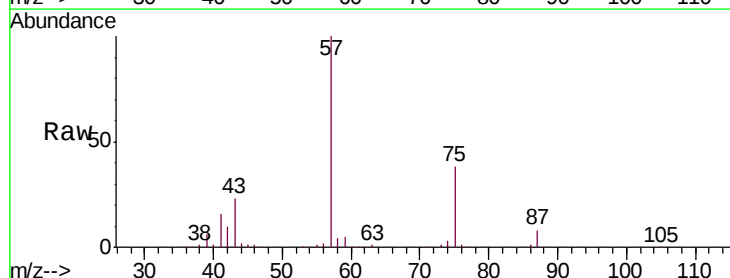
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BFDK2

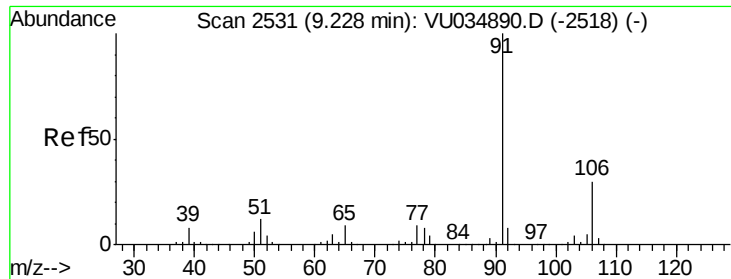
Tgt Ion: 75 Resp: 3430
Ion Ratio Lower Upper
75 100
77 30.8 21.0 39.0



#48
2-Hexanone
Concen: 13.878 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.05 min
Lab File: VU034899.D
Acq: 01 Oct 2019 19:44

Tgt Ion: 43 Resp: 51642
Ion Ratio Lower Upper
43 100
58 18.6 37.8 56.8#
57 477.4 13.4 20.0#
100 0.2 7.1 10.7#

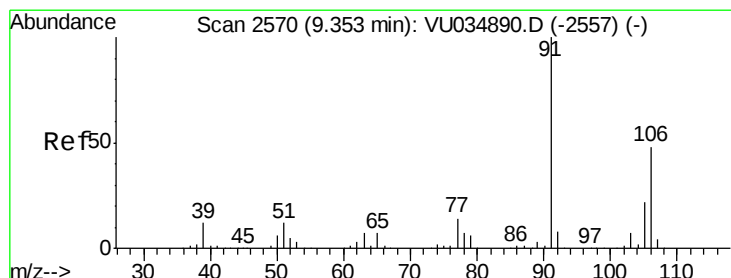
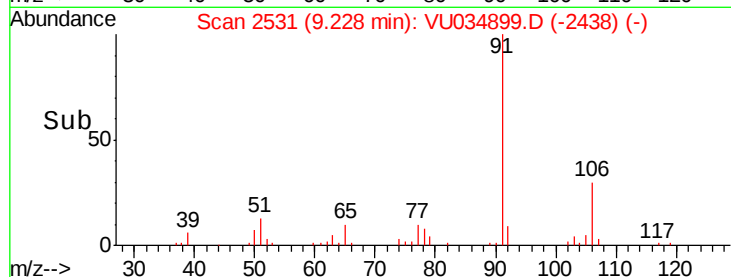
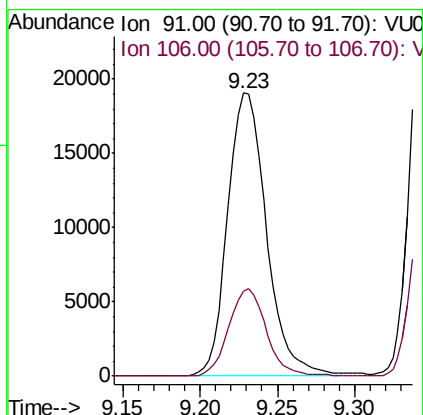
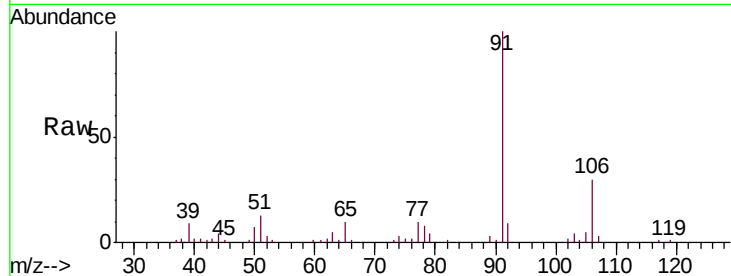




#52
Ethylbenzene
Concen: 3.679 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034899.D
Acq: 01 Oct 2019 19:44

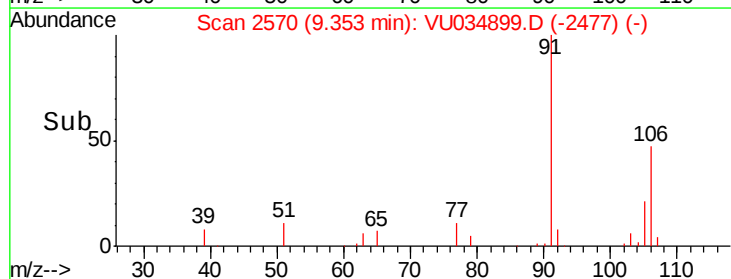
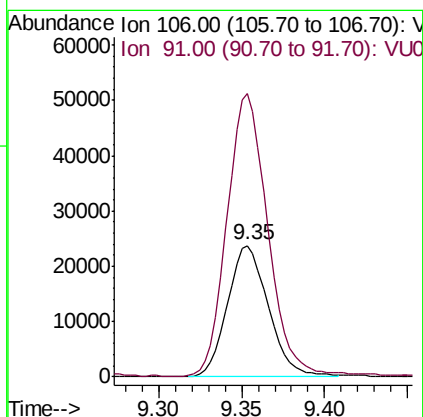
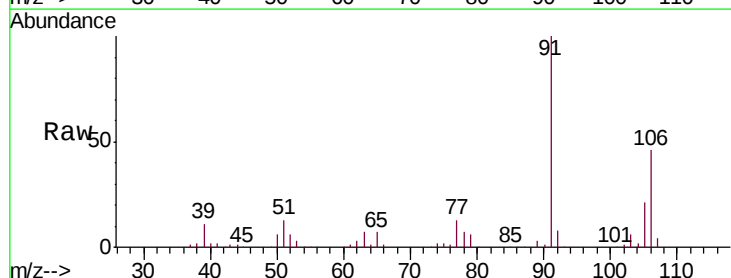
Instrument :
MSVOA_U
ClientSampleId :
BFDK2

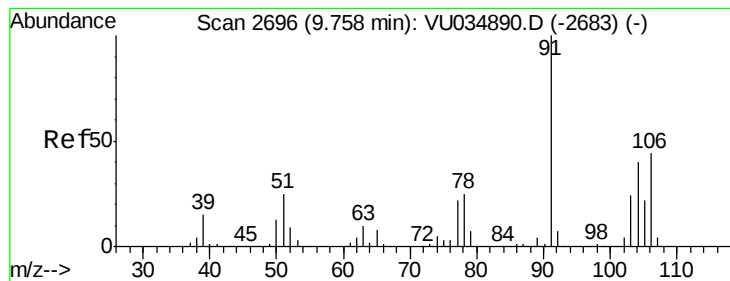
Tgt Ion: 91 Resp: 33232
Ion Ratio Lower Upper
91 100
106 30.0 20.9 38.9



#53
m,p-Xylene
Concen: 12.921 ug/L
RT: 9.35 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU034899.D
Acq: 01 Oct 2019 19:44

Tgt Ion: 106 Resp: 40775
Ion Ratio Lower Upper
106 100
91 215.7 150.1 278.9





#54

o-xylene

Concen: 6.881 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

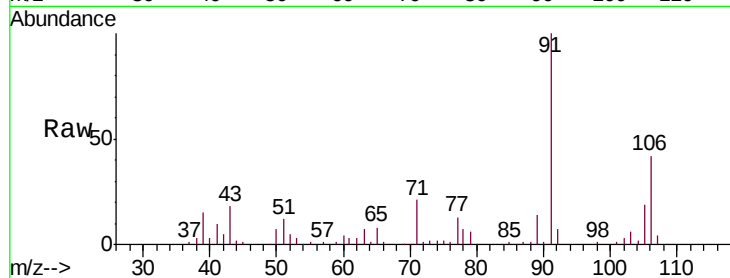
BFDK2

Tgt Ion:106 Resp: 22899

Ion Ratio Lower Upper

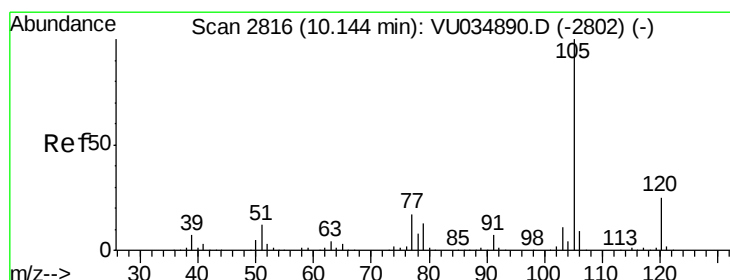
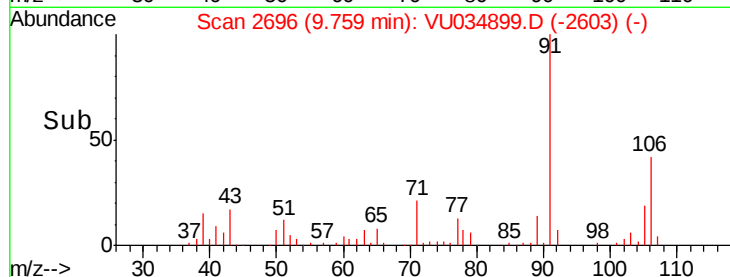
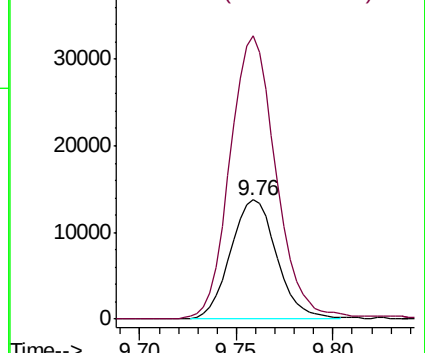
106 100

91 237.8 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 1.388 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

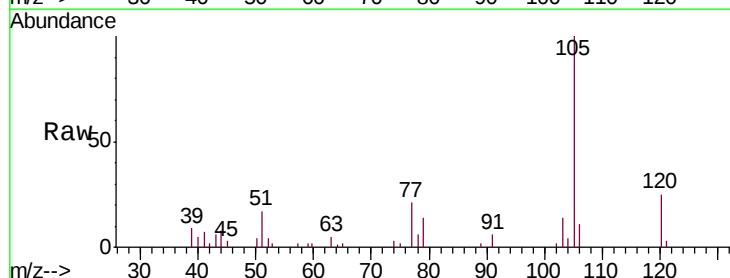
Tgt Ion:105 Resp: 12905

Ion Ratio Lower Upper

105 100

120 25.9 20.2 30.4

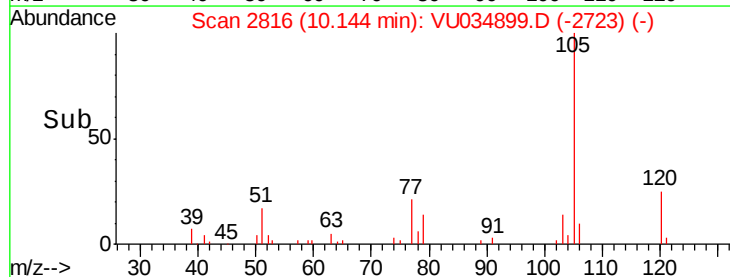
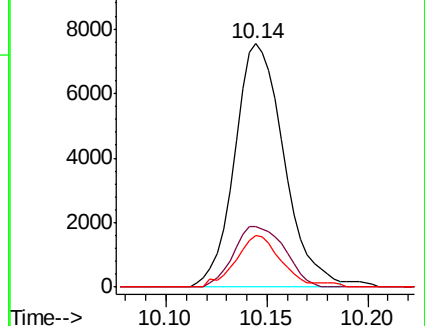
77 19.2 13.7 20.5

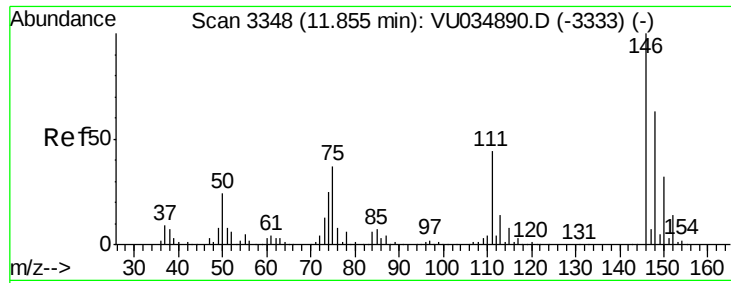


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#65

1,2-Dichlorobenzene

Concen: 1.195 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

BFDK2

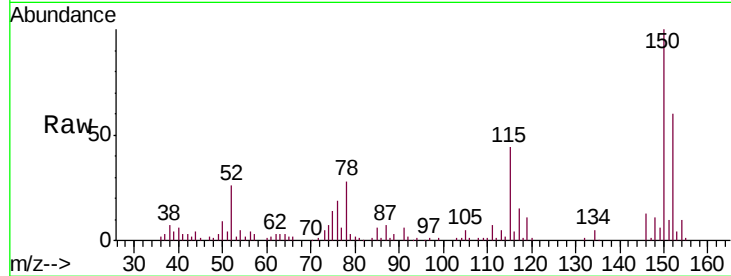
Tgt Ion:146 Resp: 5122

Ion Ratio Lower Upper

146 100

111 54.4 34.9 52.3#

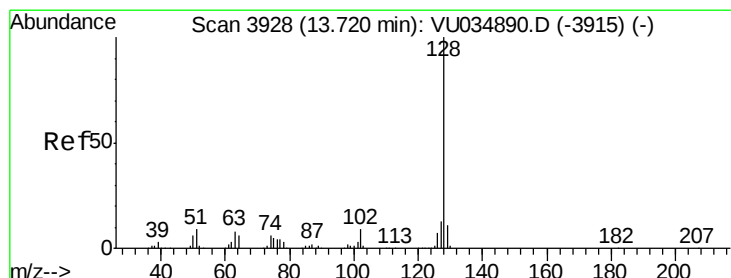
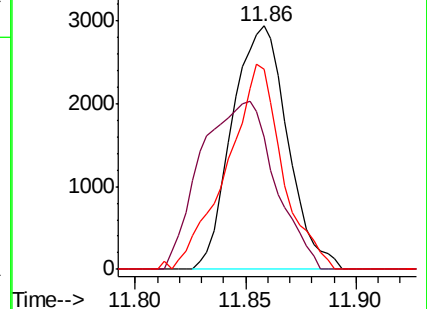
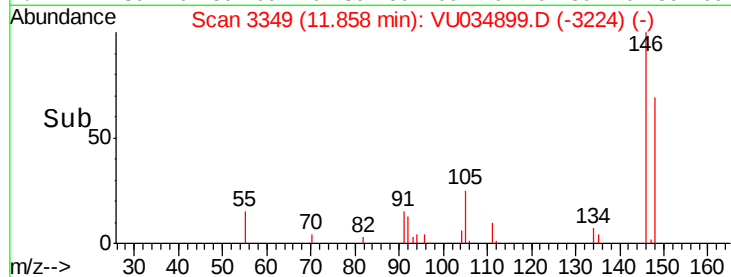
148 82.1 50.0 75.0#



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: 5.492 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.01 min

Lab File: VU034899.D

Acq: 01 Oct 2019 19:44

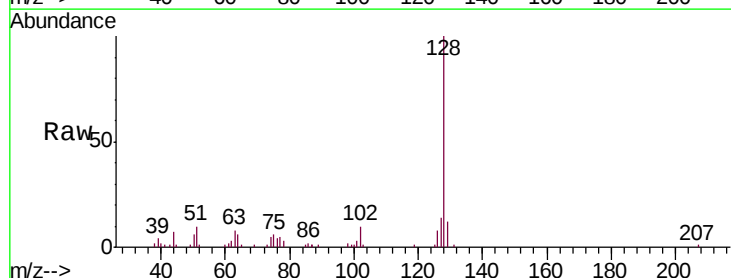
Tgt Ion:128 Resp: 39225

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.5 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

