

Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDK9

Quant Time: Oct 02 01:54:42 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	351888	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	336006	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	146972	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	101072	40.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.96%
7) Chloroethane-d5	1.67	69	90146	43.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.02%
11) 1,1-Dichloroethene-d2	2.26	63	154173	35.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.12%
21) 2-Butanone-d5	4.15	46	276707	114.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.98%
24) Chloroform-d	4.62	84	220951	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
26) 1,2-Dichloroethane-d4	5.29	65	164312	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
32) Benzene-d6	5.32	84	431571	47.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.38%
36) 1,2-Dichloropropane-d6	6.31	67	152104	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.74%
41) Toluene-d8	7.54	98	400910	46.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.16%
43) trans-1,3-Dichloropropene-	7.83	79	67203	48.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.50%
47) 2-Hexanone-d5	8.29	63	178902	118.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.85%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	218266	48.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.18%
64) 1,2-Dichlorobenzene-d4	11.84	152	144891	49.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.10%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1295	0.779 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1130	0.856 ug/L #	1
13) Acetone	2.31	43	113092	59.126 ug/L	98
14) Carbon disulfide	2.47	76	2182	1.031 ug/L	98
16) Methylene chloride	2.69	84	34292	17.789 ug/L	94
22) 2-Butanone	4.25	43	37673	15.164 ug/L	98
33) Benzene	5.37	78	11075	1.545 ug/L	100
35) Methylcyclohexane	6.39	83	4862	2.163 ug/L	92
39) cis-1,3-Dichloropropene	7.21	75	4855	1.422 ug/L #	79
40) 4-Methyl-2-pentanone	7.40	43	58947	11.995 ug/L #	55
44) trans-1,3-Dichloropropene	7.83	75	3577	1.148 ug/L	88
48) 2-Hexanone	8.29	43	84254	22.593 ug/L #	52
51) Chlorobenzene	9.10	112	4820	0.922 ug/L	88
53) m,p-Xylene	9.35	106	70746	22.370 ug/L	98
54) o-xylene	9.76	106	45410	13.615 ug/L	96
56) Isopropylbenzene	10.14	105	28067	3.012 ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	4519	1.131 ug/L	93

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

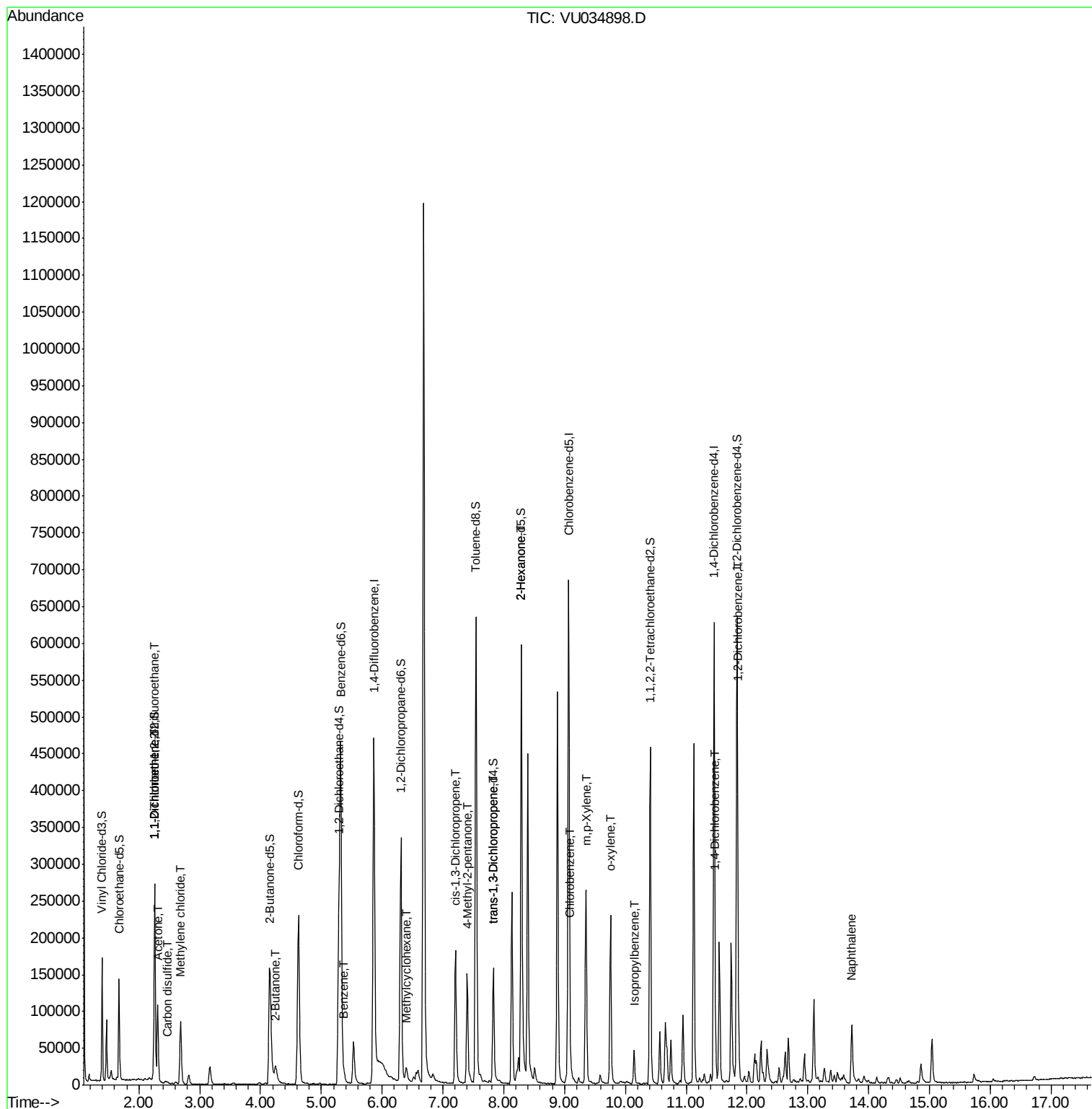
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.85	146	19340	4.535	ug/L	89
69) Naphthalene	13.73	128	70533	9.925	ug/L	98

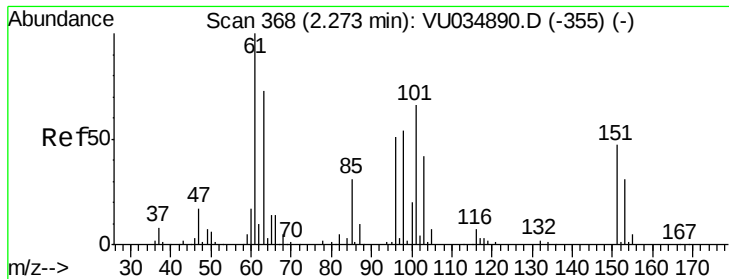
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#10

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

Concen: 0.779 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034898.D

Acq: 01 Oct 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

BFDK9

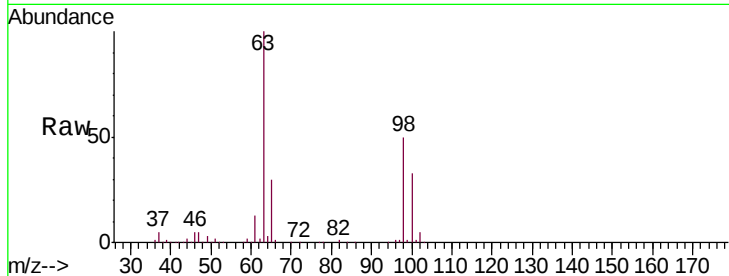
Tgt Ion:101 Resp: 1295

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

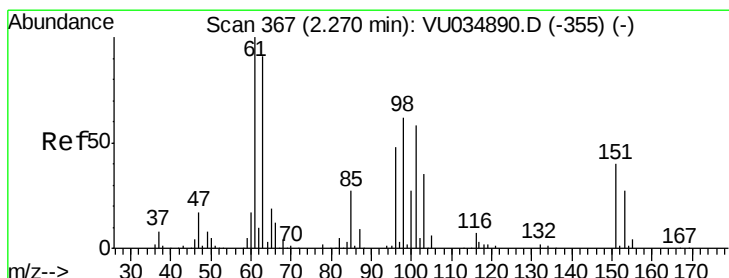
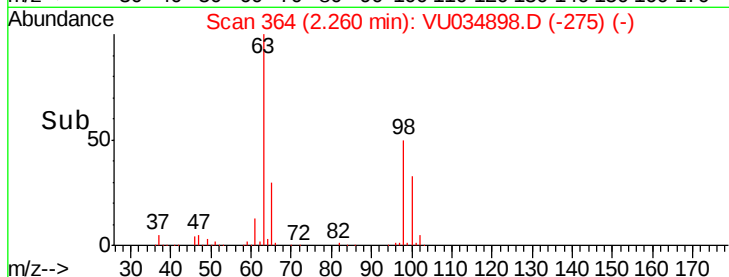
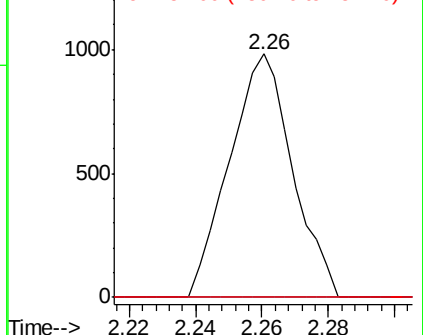
151 0.0 56.0 84.0#



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



#12

1,1-Dichloroethene

Concen: 0.856 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034898.D

Acq: 01 Oct 2019 19:20

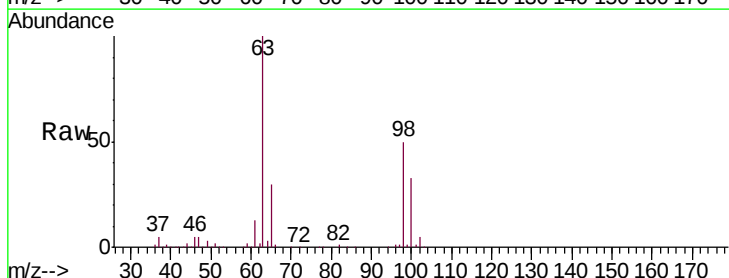
Tgt Ion: 96 Resp: 1130

Ion Ratio Lower Upper

96 100

61 1555.5 147.0 273.0#

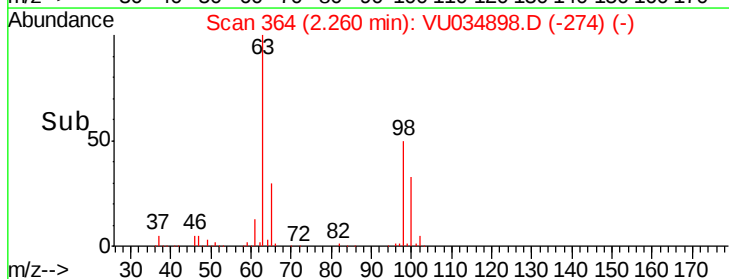
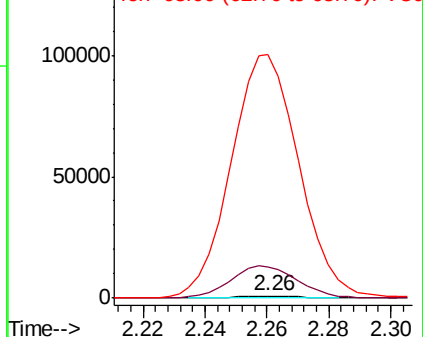
63 11956.1 140.5 260.9#

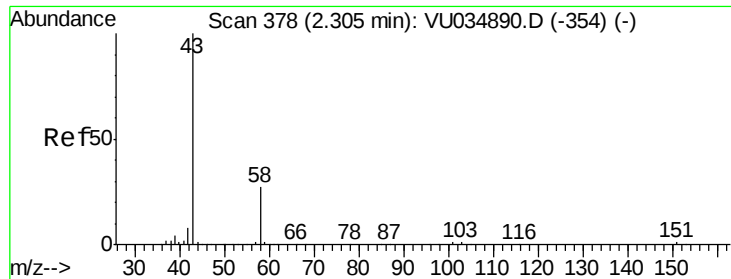


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 59.126 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034898.D

Acq: 01 Oct 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

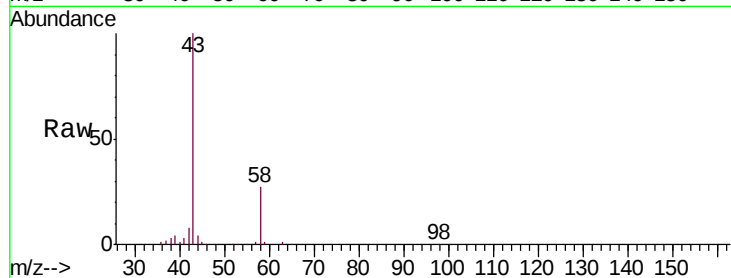
BFDK9

Tgt Ion: 43 Resp: 113092

Ion Ratio Lower Upper

43 100

58 27.2 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU034898.D (-354) (-)

Ion 58.00 (57.70 to 58.70): VU034898.D (-354) (-)

2.31

60000

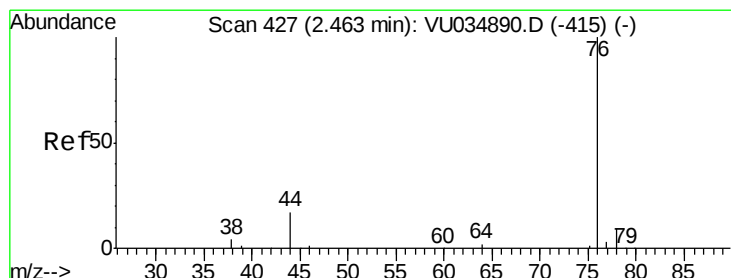
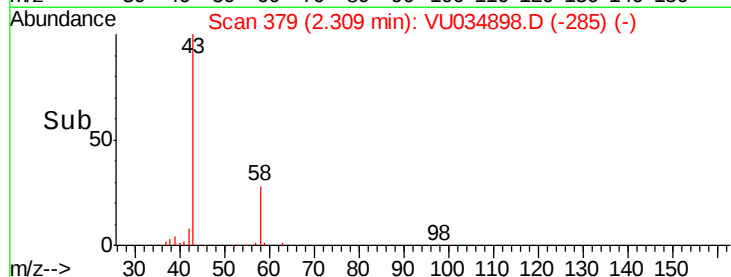
40000

20000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 1.031 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034898.D

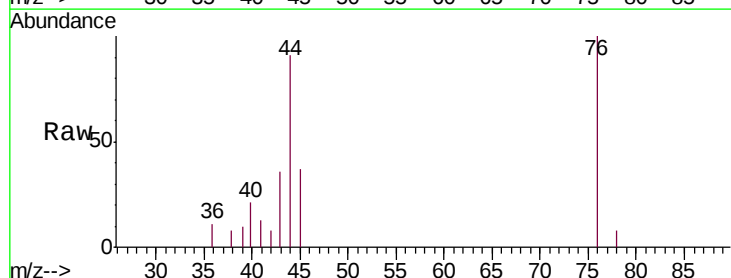
Acq: 01 Oct 2019 19:20

Tgt Ion: 76 Resp: 2182

Ion Ratio Lower Upper

76 100

78 8.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU034898.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034898.D (-334) (-)

2.47

1500

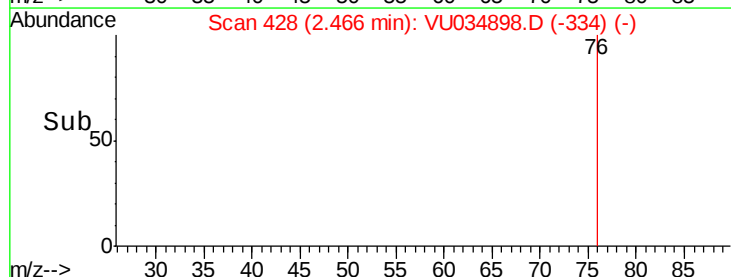
1000

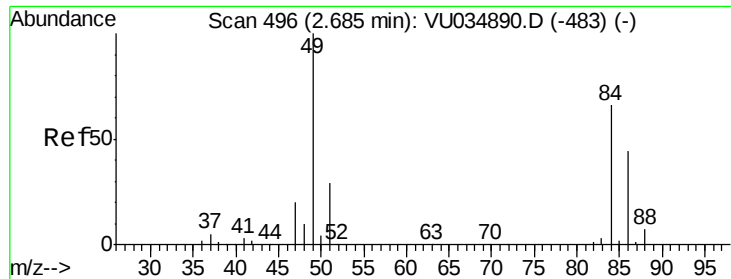
500

0

Time-->

2.42 2.44 2.46 2.48 2.50

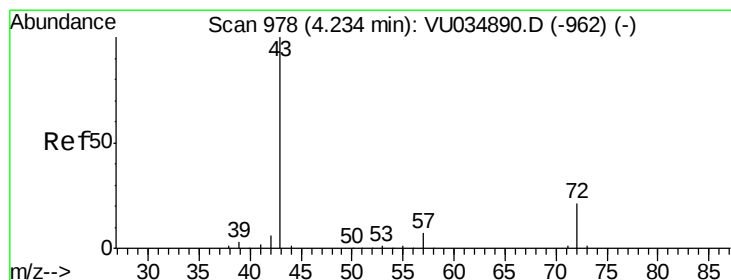
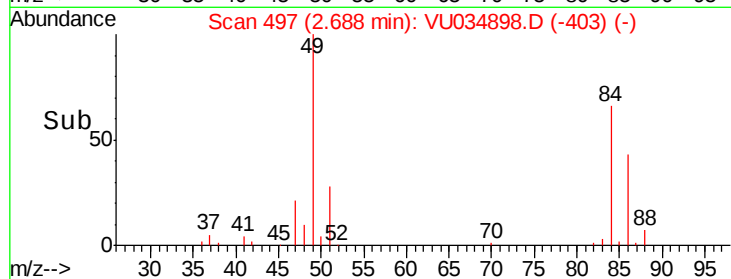
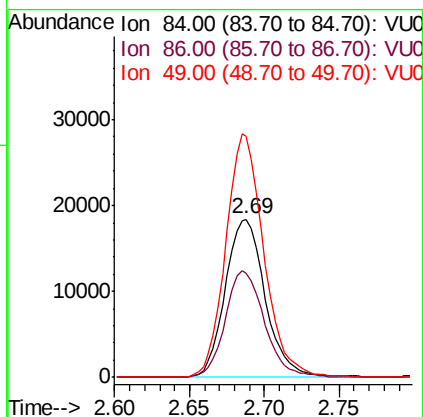
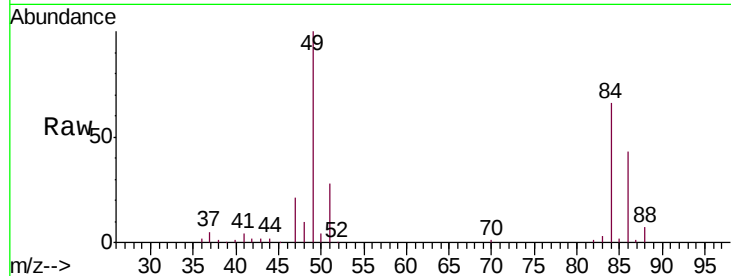




#16
Methylene chloride
Concen: 17.789 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

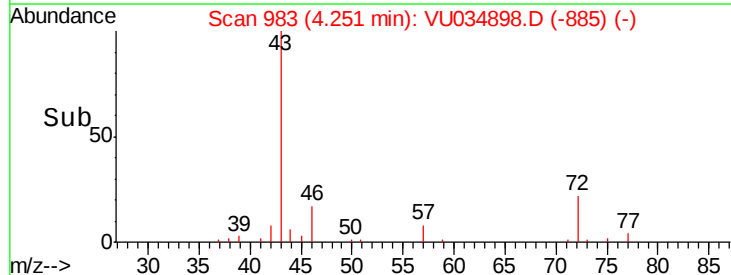
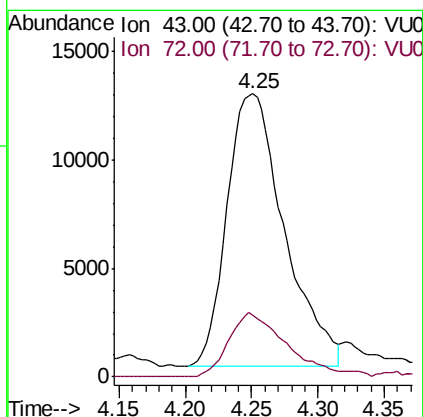
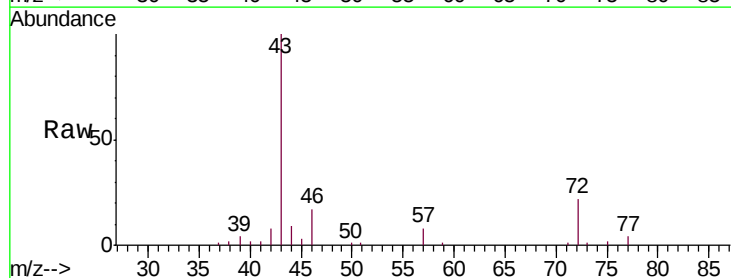
Instrument :
MSVOA_U
ClientSampleId :
BFDK9

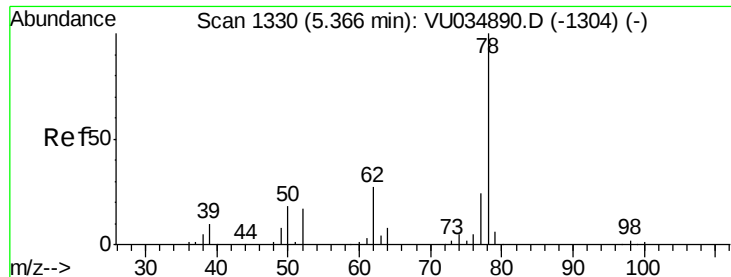
Tgt Ion: 84 Resp: 34292
Ion Ratio Lower Upper
84 100
86 65.7 44.7 82.9
49 152.4 100.7 186.9



#22
2-Butanone
Concen: 15.164 ug/L
RT: 4.25 min Scan# 983
Delta R.T. 0.02 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

Tgt Ion: 43 Resp: 37673
Ion Ratio Lower Upper
43 100
72 23.4 11.2 33.6

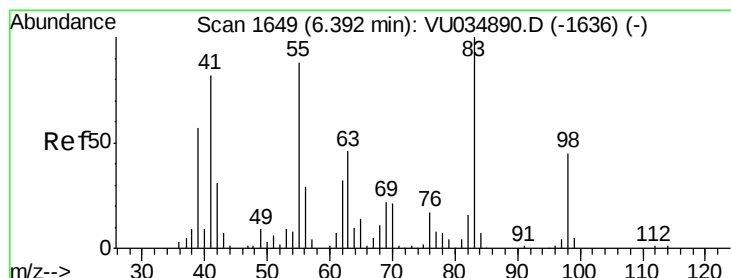
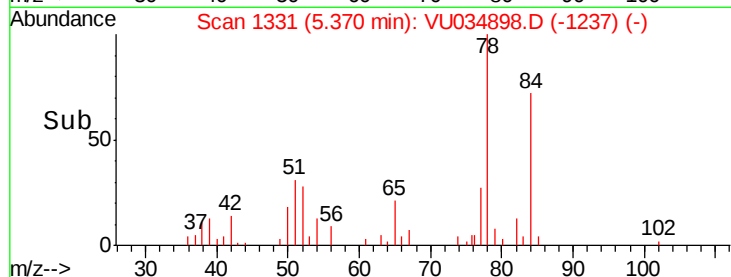
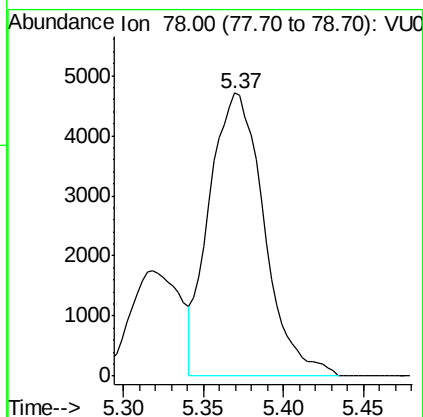
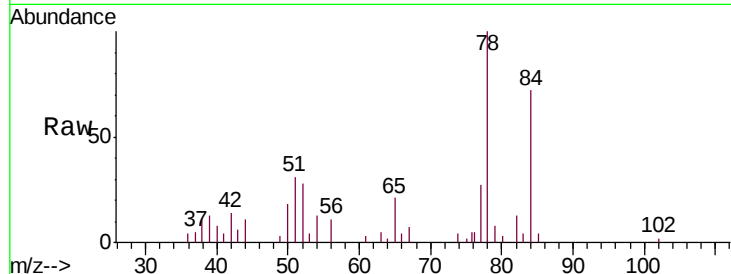




#33
Benzene
Concen: 1.545 ug/L
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

Tgt Ion: 78 Resp: 11075

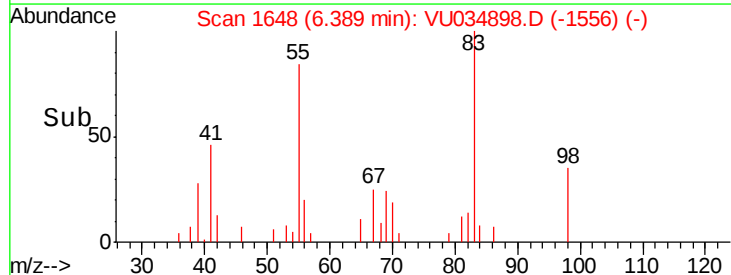
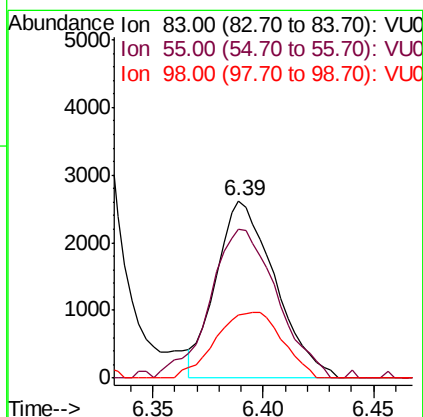
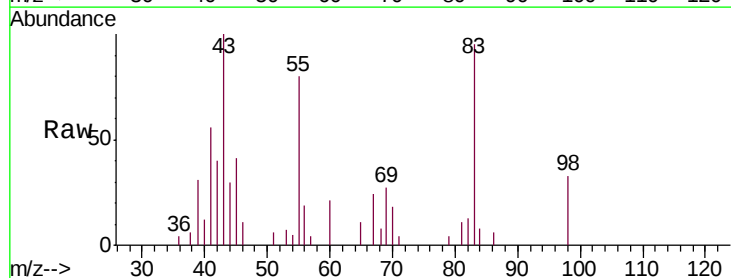
Instrument :
MSVOA_U
ClientSampleId :
BFDK9

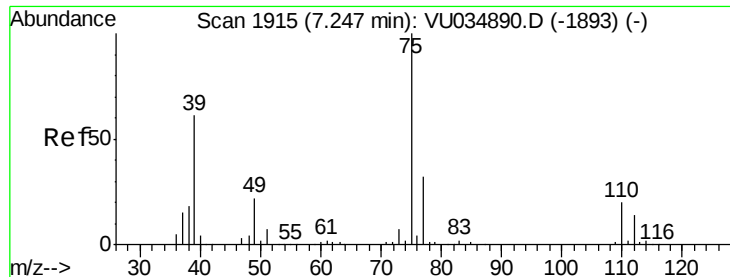


#35
Methylcyclohexane
Concen: 2.163 ug/L
RT: 6.39 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU034898.D
Acq: 01 Oct 2019 19:20

Tgt Ion: 83 Resp: 4862

Ion	Ratio	Lower	Upper
83	100		
55	95.3	68.4	102.6
98	42.1	35.3	52.9

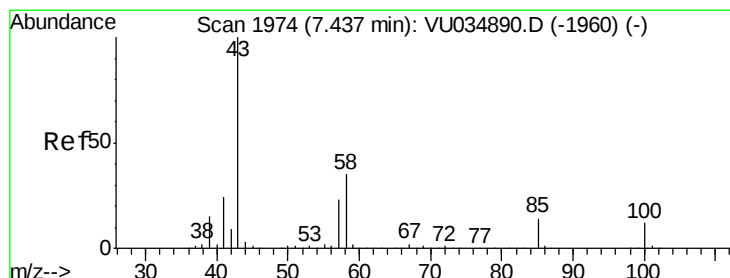
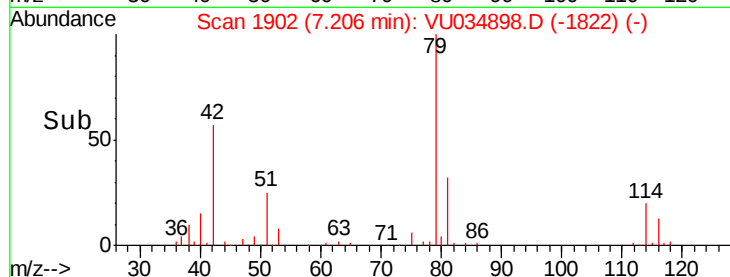
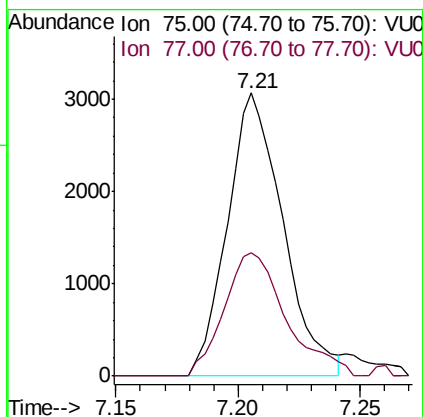
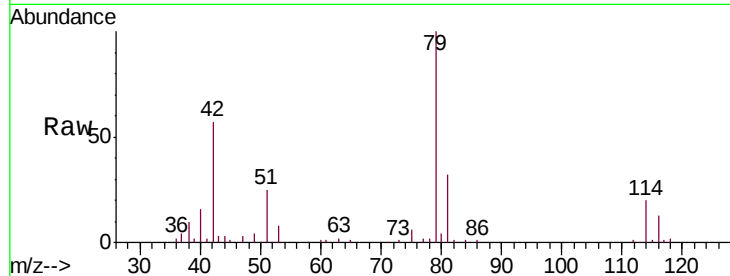




#39
 cis-1,3-Dichloropropene
 Concen: 1.422 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.04 min
 Lab File: VU034898.D
 Acq: 01 Oct 2019 19:20

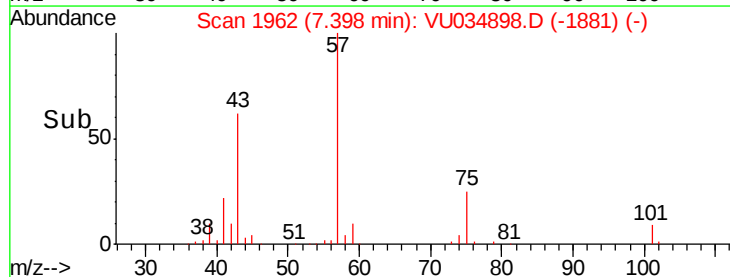
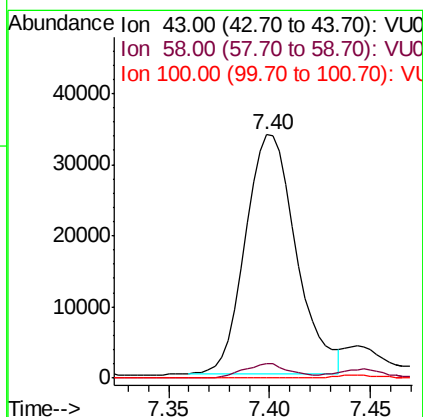
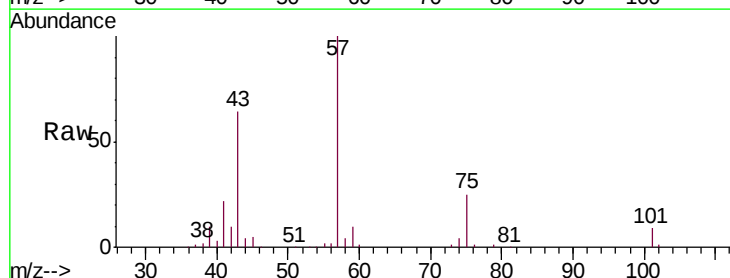
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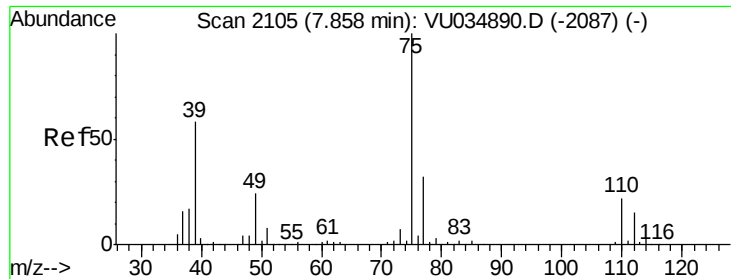
Tgt Ion: 75 Resp: 4855
 Ion Ratio Lower Upper
 75 100
 77 43.8 22.4 41.6#



#40
 4-Methyl-2-pentanone
 Concen: 11.995 ug/L
 RT: 7.40 min Scan# 1962
 Delta R.T. -0.04 min
 Lab File: VU034898.D
 Acq: 01 Oct 2019 19:20

Tgt Ion: 43 Resp: 58947
 Ion Ratio Lower Upper
 43 100
 58 5.7 27.5 41.3#
 100 0.0 9.0 13.6#





#44

trans-1,3-Dichloropropene

Concen: 1.148 ug/L

RT: 7.83 min Scan# 2095

Delta R.T. -0.03 min

Lab File: VU034898.D

Acq: 01 Oct 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

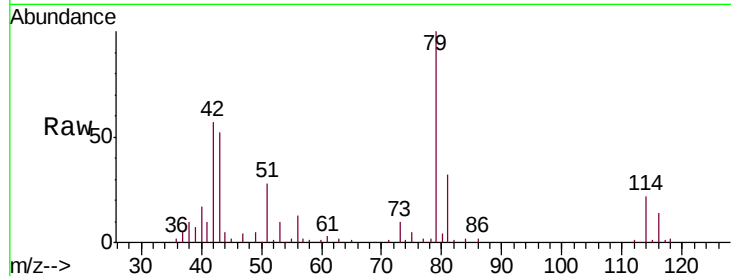
BFDK9

Tgt Ion: 75 Resp: 3577

Ion Ratio Lower Upper

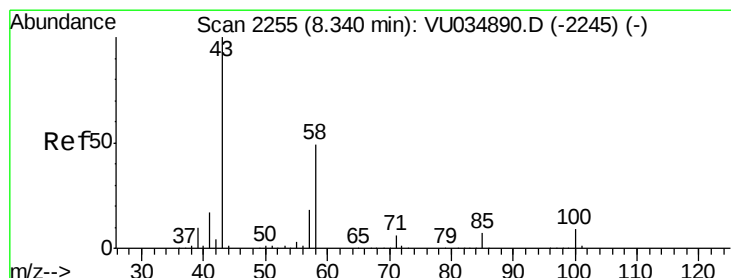
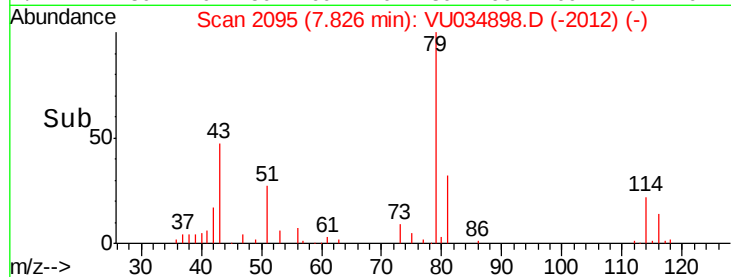
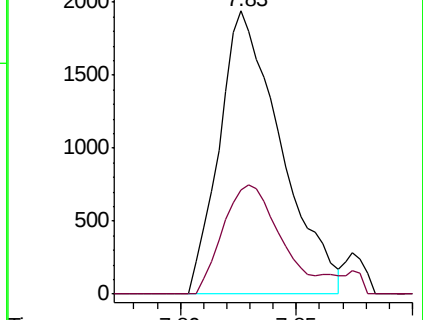
75 100

77 36.6 21.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU034898.D (-2095) (-)

Ion 77.00 (76.70 to 77.70): VU034898.D (-2095) (-)



#48

2-Hexanone

Concen: 22.593 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.05 min

Lab File: VU034898.D

Acq: 01 Oct 2019 19:20

Tgt Ion: 43 Resp: 84254

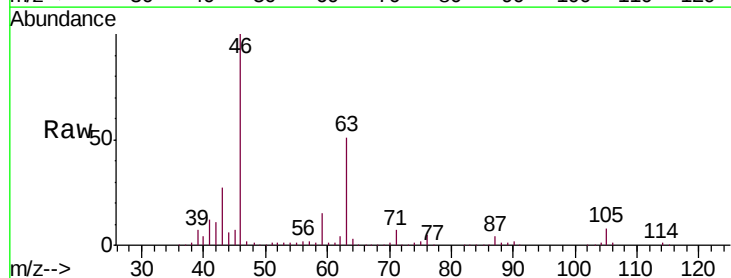
Ion Ratio Lower Upper

43 100

58 7.3 37.8 56.8#

57 5.5 13.4 20.0#

100 0.0 7.1 10.7#

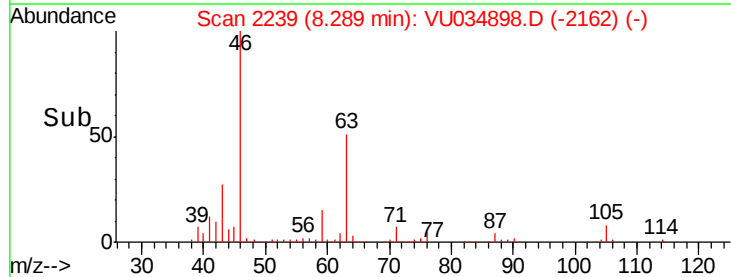
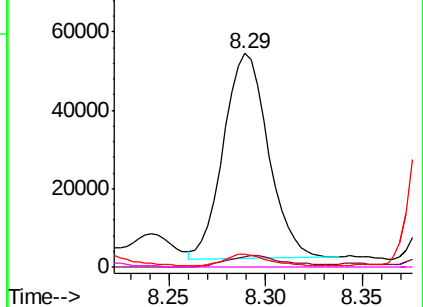


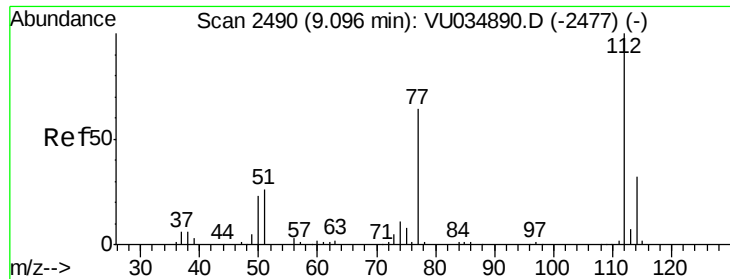
Abundance Ion 43.00 (42.70 to 43.70): VU034898.D (-2239) (-)

Ion 58.00 (57.70 to 58.70): VU034898.D (-2239) (-)

Ion 57.00 (56.70 to 57.70): VU034898.D (-2239) (-)

Ion 100.00 (99.70 to 100.70): VU034898.D (-2239) (-)





#51

Chlorobenzene

Concen: 0.922 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. 0.00 min

Lab File: VU034898.D

Acq: 01 Oct 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

BFDK9

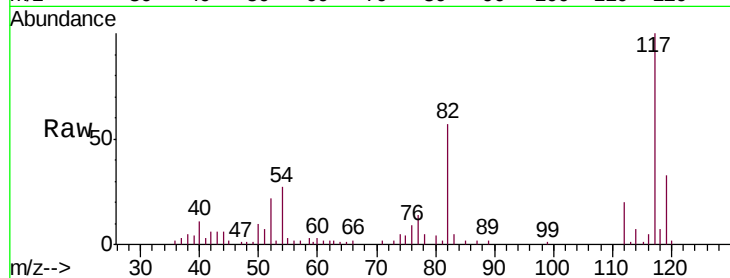
Tgt Ion:112 Resp: 4820

Ion Ratio Lower Upper

112 100

114 37.2 21.7 40.3

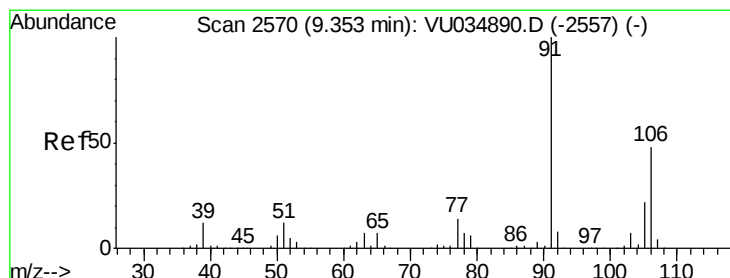
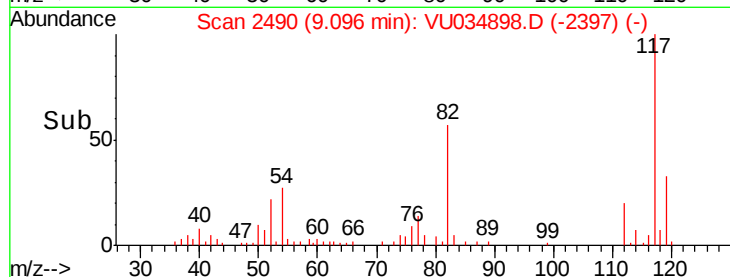
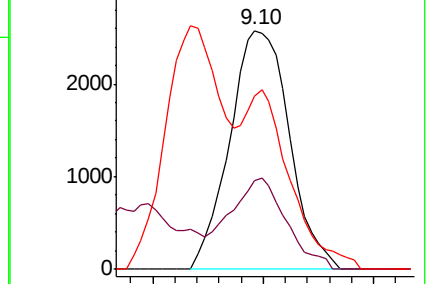
77 72.5 50.1 75.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#53

m,p-Xylene

Concen: 22.370 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034898.D

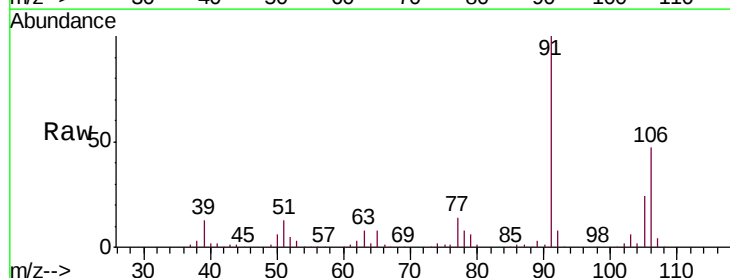
Acq: 01 Oct 2019 19:20

Tgt Ion:106 Resp: 70746

Ion Ratio Lower Upper

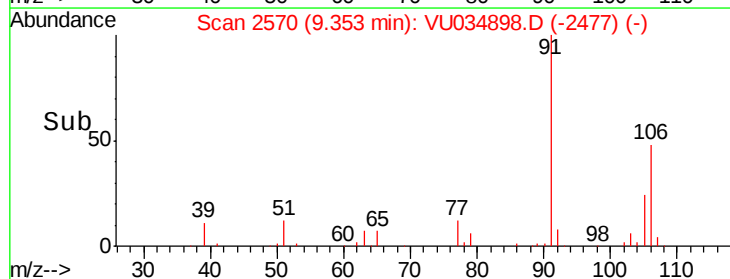
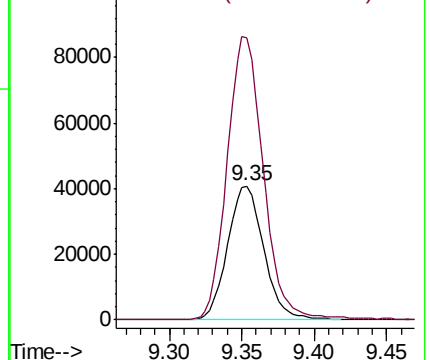
106 100

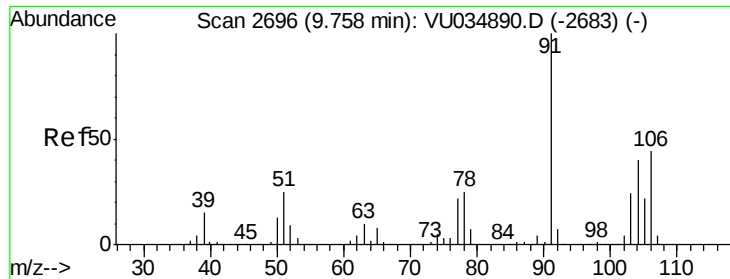
91 211.2 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU





#54

o-xylene

Concen: 13.615 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034898.D

Acq: 01 Oct 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

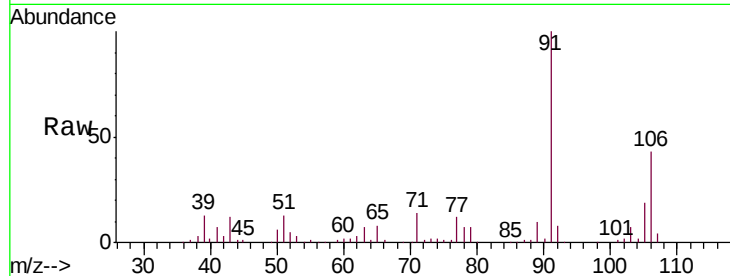
BFDK9

Tgt Ion:106 Resp: 45410

Ion Ratio Lower Upper

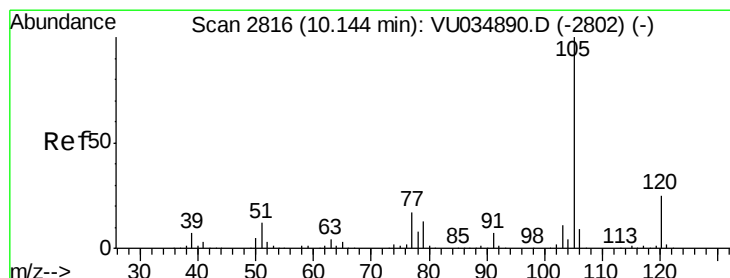
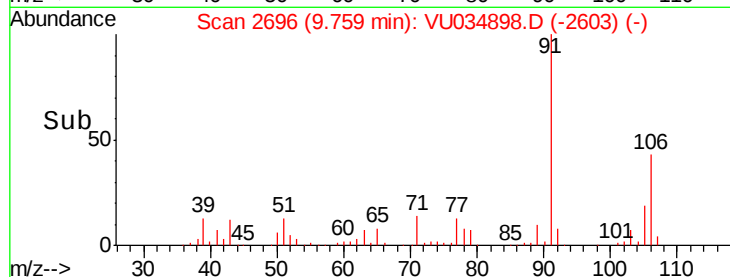
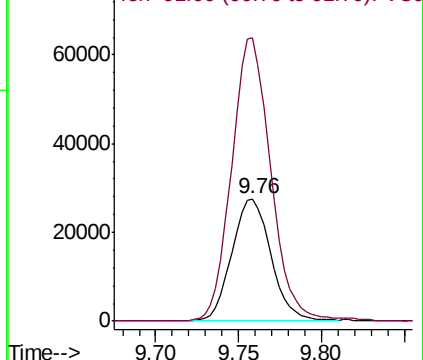
106 100

91 231.2 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 3.012 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034898.D

Acq: 01 Oct 2019 19:20

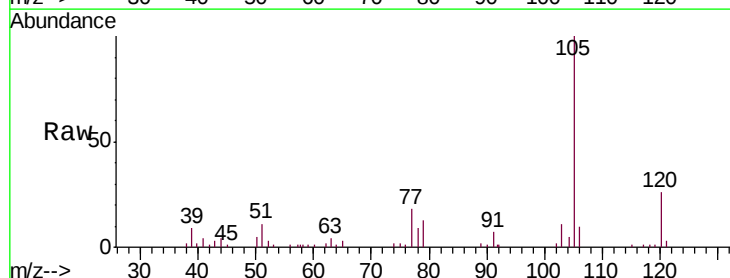
Tgt Ion:105 Resp: 28067

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.4

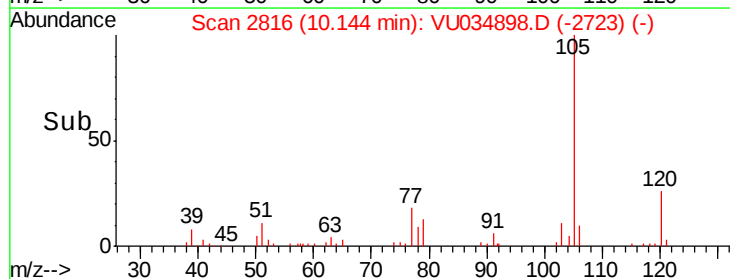
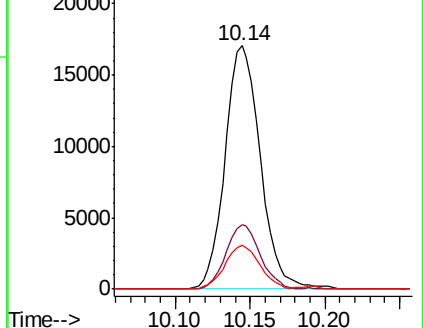
77 17.7 13.7 20.5

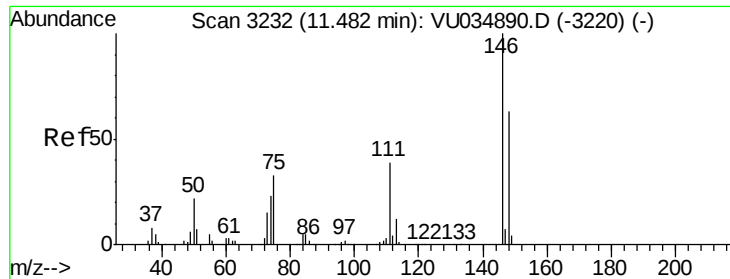


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

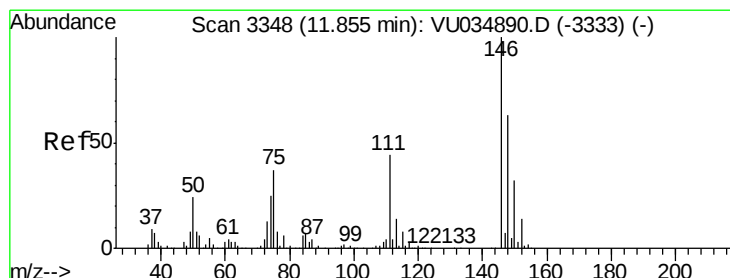
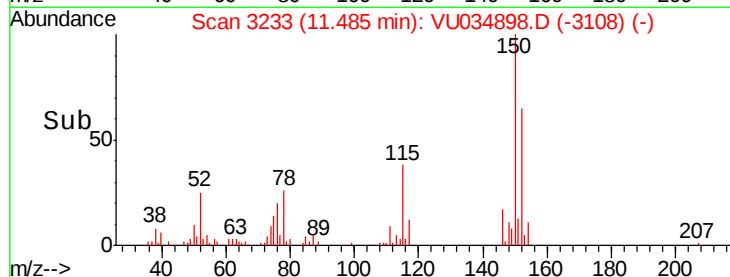
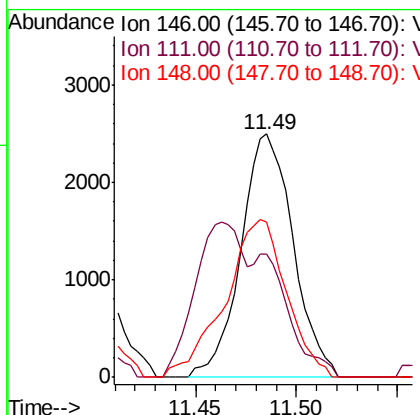
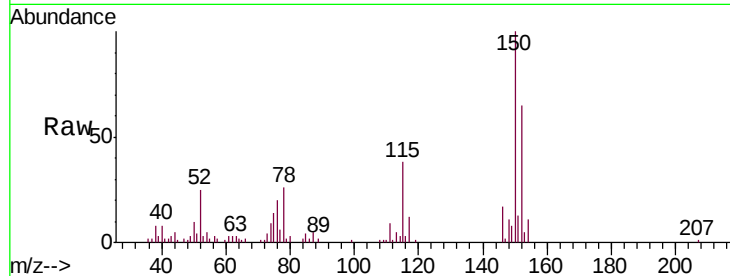




#63
 1,4-Dichlorobenzene
 Concen: 1.131 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034898.D
 Acq: 01 Oct 2019 19:20

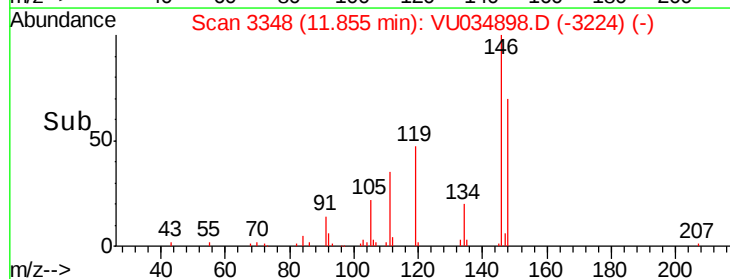
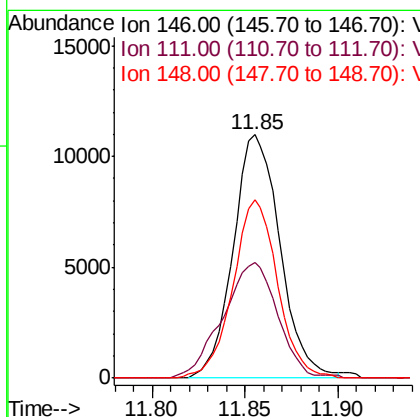
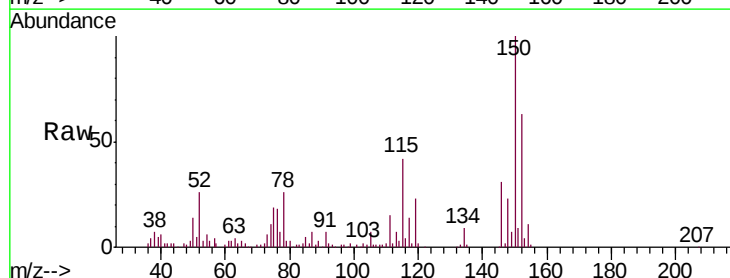
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDK9

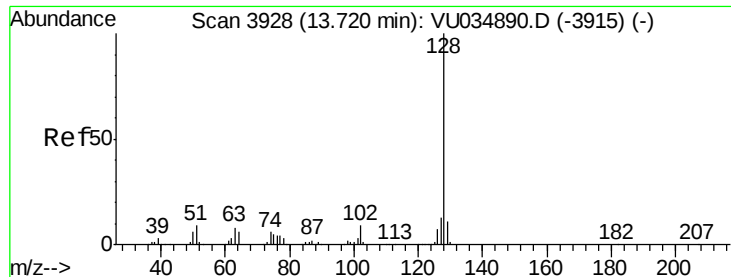
Tgt Ion:146 Resp: 4519
 Ion Ratio Lower Upper
 146 100
 111 50.6 29.2 54.2
 148 63.5 46.1 85.5



#65
 1,2-Dichlorobenzene
 Concen: 4.535 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034898.D
 Acq: 01 Oct 2019 19:20

Tgt Ion:146 Resp: 19340
 Ion Ratio Lower Upper
 146 100
 111 47.6 34.9 52.3
 148 73.5 50.0 75.0





#69

Naphthalene

Concen: 9.925 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.01 min

Lab File: VU034898.D

Acq: 01 Oct 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

BFDK9

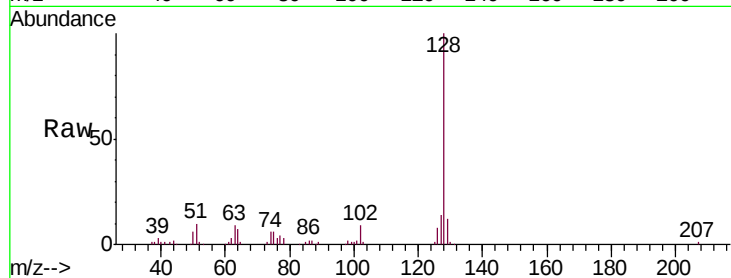
Tgt Ion:128 Resp: 70533

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 12.0 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

