

Data File : VU034905.D
Acq On : 01 Oct 2019 22:04
Operator : JC/SP
Sample : K5028-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDK4

Quant Time: Oct 02 01:56:52 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	354161	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	340349	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	151116	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	100653	40.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.10%
7) Chloroethane-d5	1.67	69	91036	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.30%
11) 1,1-Dichloroethene-d2	2.26	63	155963	35.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.48%
21) 2-Butanone-d5	4.15	46	281065	116.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.04%
24) Chloroform-d	4.62	84	222942	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	5.29	65	164103	46.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.80%
32) Benzene-d6	5.32	84	434899	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
36) 1,2-Dichloropropane-d6	6.31	67	154535	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.02%
41) Toluene-d8	7.54	98	408931	46.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.82%
43) trans-1,3-Dichloropropene-	7.83	79	67698	47.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.96%
47) 2-Hexanone-d5	8.29	63	187414	122.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	221717	48.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.46%
64) 1,2-Dichlorobenzene-d4	11.84	152	148469	49.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.76%

Target Compounds

					Qvalue	
12) 1,1-Dichloroethene	2.26	96	1224	0.921	ug/L #	1
13) Acetone	2.31	43	107032	55.599	ug/L	100
14) Carbon disulfide	2.46	76	2192	1.029	ug/L #	82
15) Methyl Acetate	2.68	43	8784	2.859	ug/L	95
16) Methylene chloride	2.68	84	1940931	1000.381	ug/L	96
22) 2-Butanone	4.25	43	32905	13.160	ug/L	99
39) cis-1,3-Dichloropropene	7.21	75	5069	1.466	ug/L #	78
40) 4-Methyl-2-pentanone	7.40	43	49139	9.872	ug/L #	55
42) Toluene	7.62	91	22411	2.869	ug/L	96
44) trans-1,3-Dichloropropene	7.83	75	3559	1.128	ug/L #	82
48) 2-Hexanone	8.29	43	73595	19.483	ug/L #	54
52) Ethylbenzene	9.23	91	11272	1.229	ug/L	94
53) m,p-Xylene	9.35	106	11938	3.727	ug/L	90
54) o-xylene	9.76	106	10772	3.188	ug/L	99
59) 1,2,3-Trichloropropane	11.46	75	22335	6.038	ug/L	89
69) Naphthalene	13.73	128	31037	4.247	ug/L	97

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

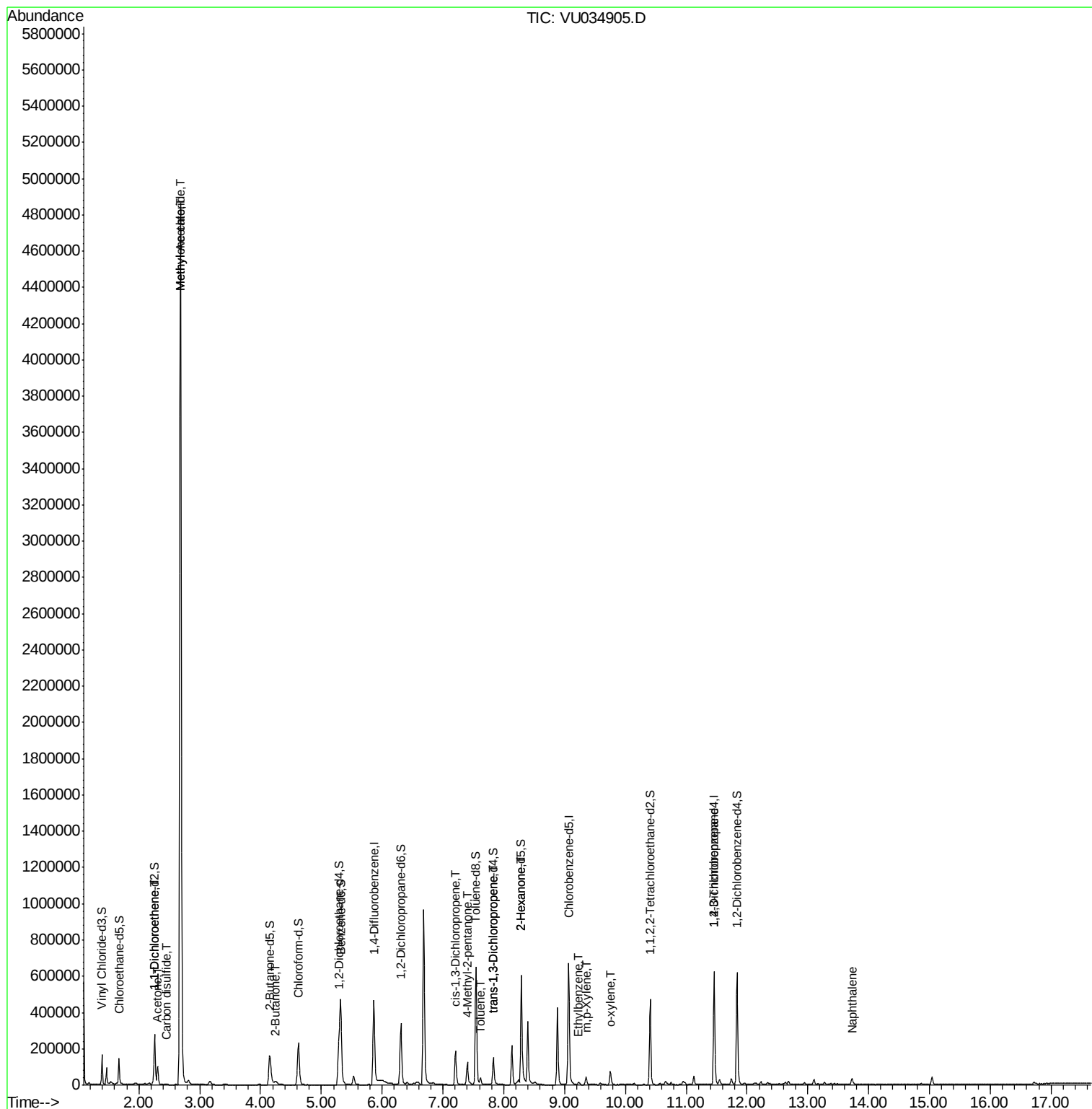
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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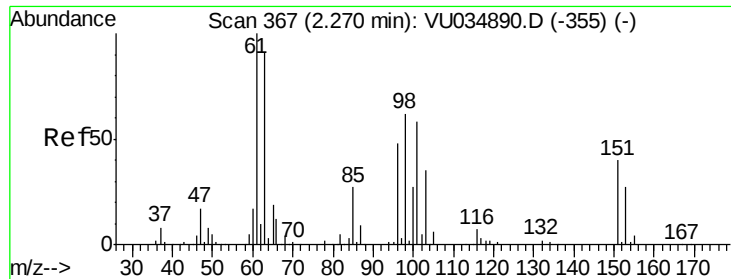
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#12

1,1-Dichloroethene

Concen: 0.921 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034905.D

Acq: 01 Oct 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

BFDK4

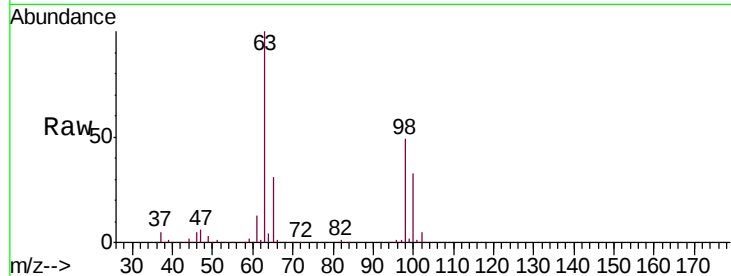
Tgt Ion: 96 Resp: 1224

Ion Ratio Lower Upper

96 100

61 1619.7 147.0 273.0#

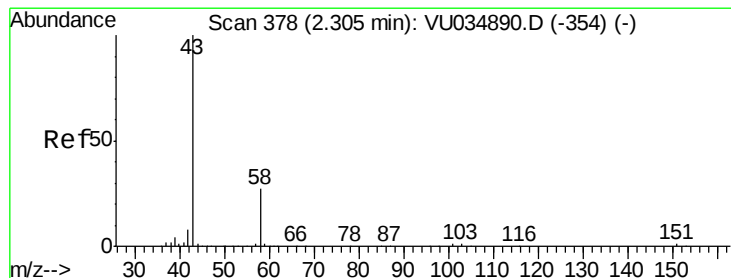
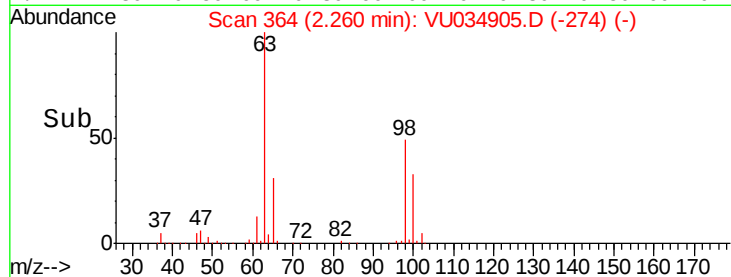
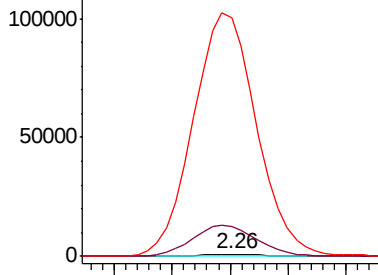
63 12777.5 140.5 260.9#



Abundance Ion 96.00 (95.70 to 96.70): VU034890.D (-355) (-)

Ion 61.00 (60.70 to 61.70): VU034890.D (-355) (-)

Ion 63.00 (62.70 to 63.70): VU034890.D (-355) (-)



#13

Acetone

Concen: 55.599 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034905.D

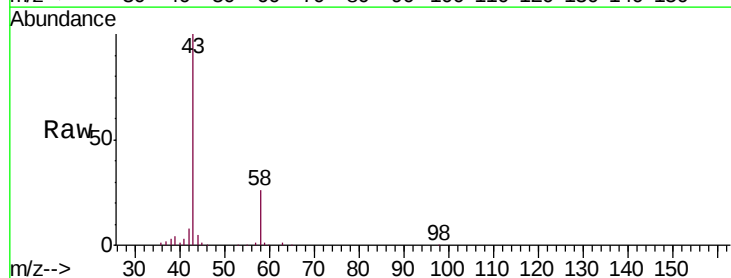
Acq: 01 Oct 2019 22:04

Tgt Ion: 43 Resp: 107032

Ion Ratio Lower Upper

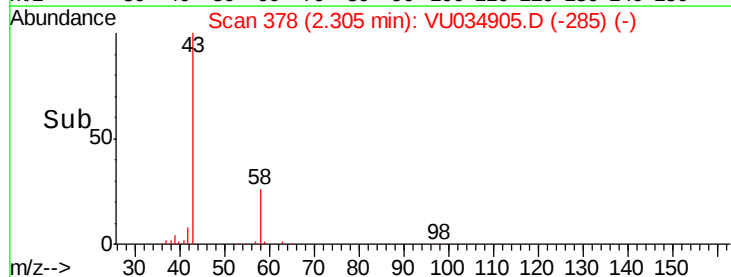
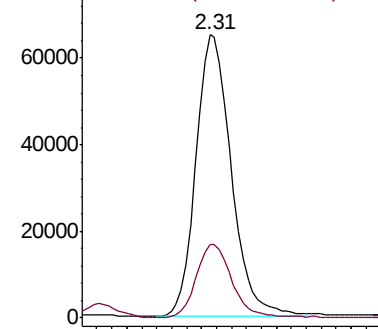
43 100

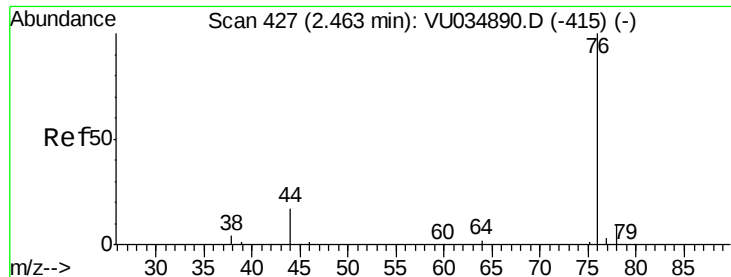
58 26.3 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU034890.D (-354) (-)

Ion 58.00 (57.70 to 58.70): VU034890.D (-354) (-)





#14

Carbon disulfide

Concen: 1.029 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034905.D

Acq: 01 Oct 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

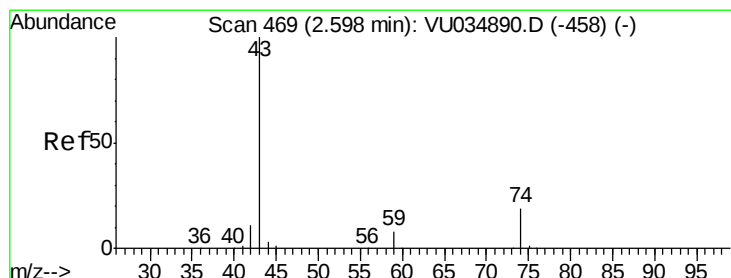
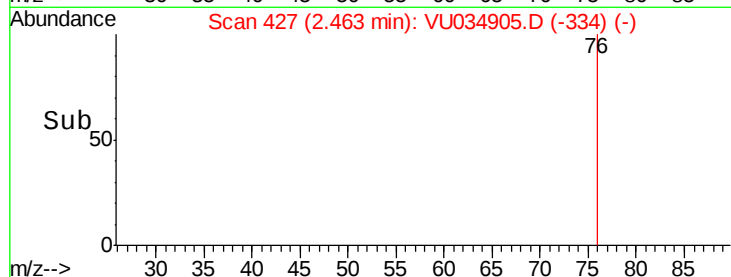
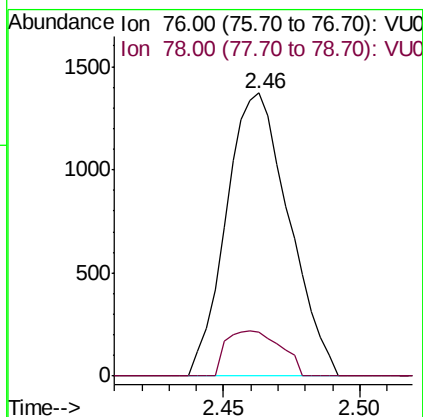
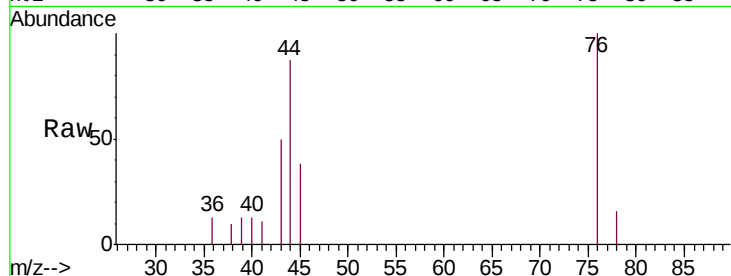
BFDK4

Tgt Ion: 76 Resp: 2192

Ion Ratio Lower Upper

76 100

78 15.5 7.3 10.9#



#15

Methyl Acetate

Concen: 2.859 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.09 min

Lab File: VU034905.D

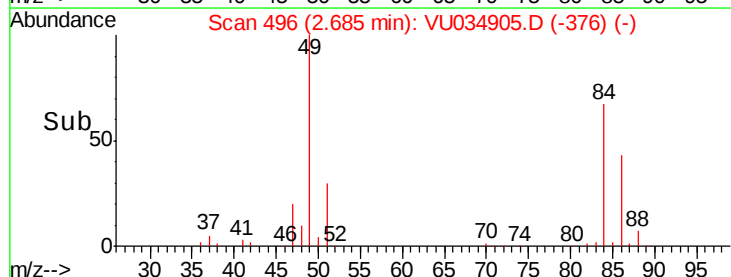
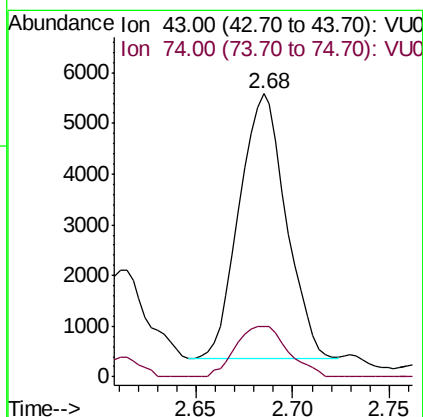
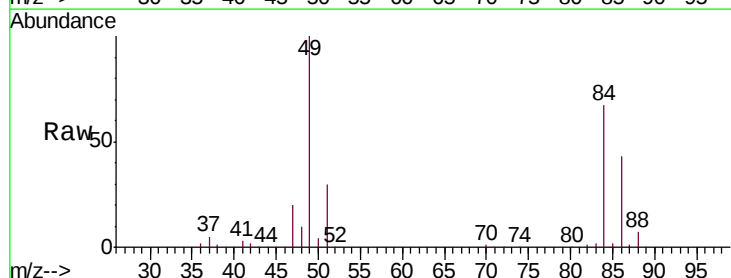
Acq: 01 Oct 2019 22:04

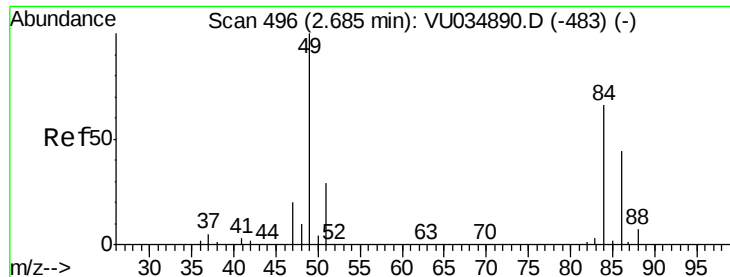
Tgt Ion: 43 Resp: 8784

Ion Ratio Lower Upper

43 100

74 21.4 15.3 22.9

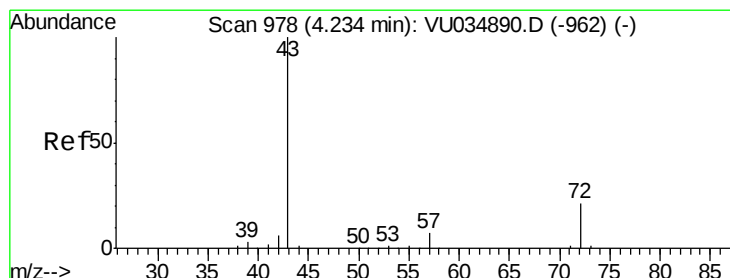
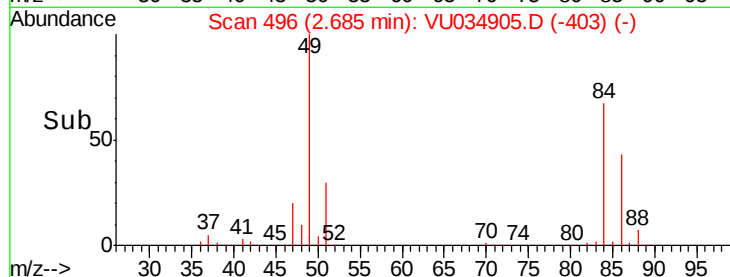
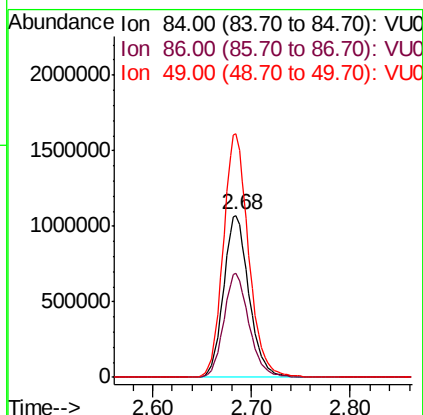
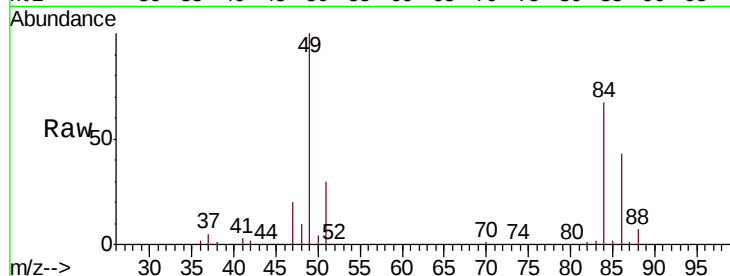




#16
Methylene chloride
Concen: 1000.381 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034905.D
Acq: 01 Oct 2019 22:04

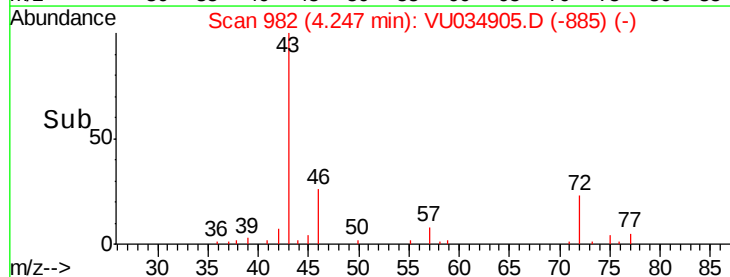
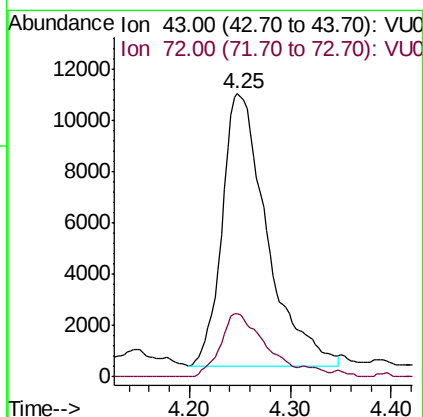
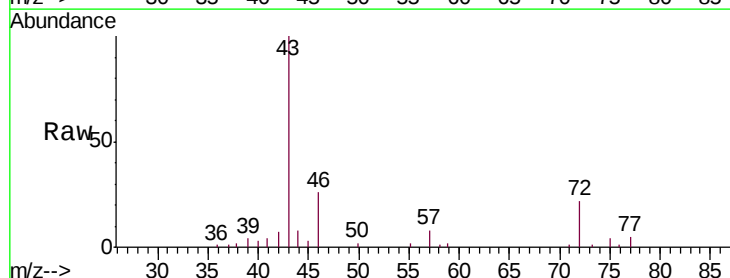
Instrument :
MSVOA_U
ClientSampleId :
BFDK4

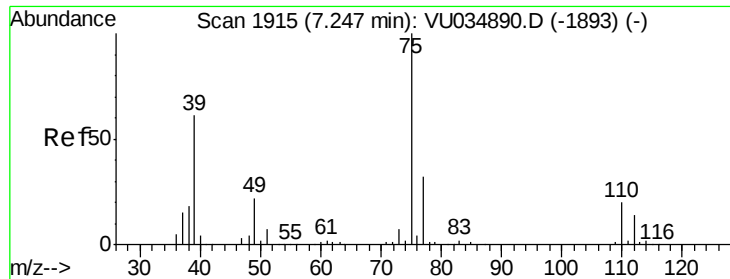
Tgt Ion: 84 Resp: 1940931
Ion Ratio Lower Upper
84 100
86 64.0 44.7 82.9
49 150.2 100.7 186.9



#22
2-Butanone
Concen: 13.160 ug/L
RT: 4.25 min Scan# 982
Delta R.T. 0.01 min
Lab File: VU034905.D
Acq: 01 Oct 2019 22:04

Tgt Ion: 43 Resp: 32905
Ion Ratio Lower Upper
43 100
72 22.9 11.2 33.6

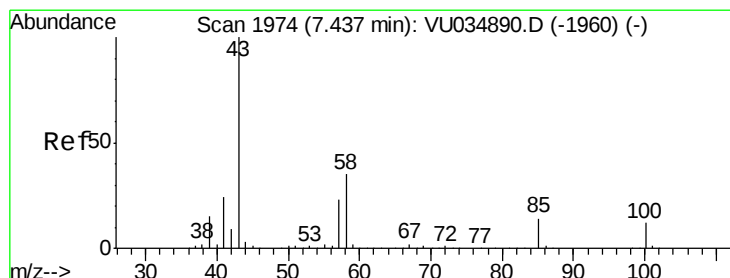
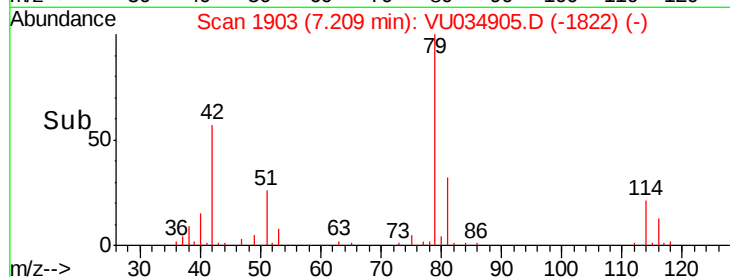
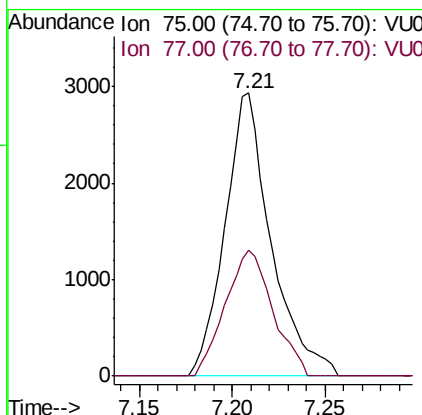
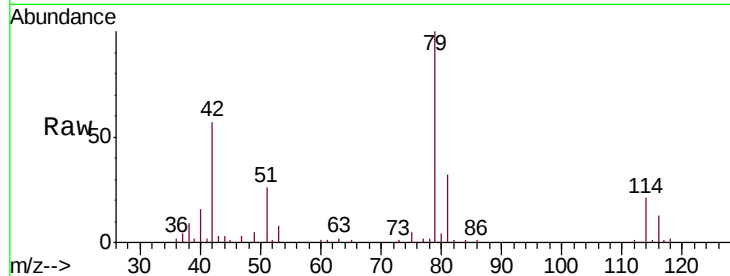




#39
 cis-1,3-Dichloropropene
 Concen: 1.466 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU034905.D
 Acq: 01 Oct 2019 22:04

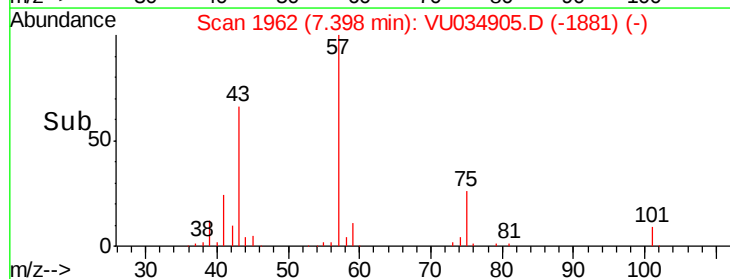
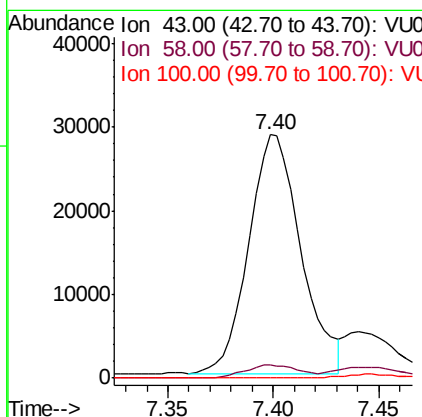
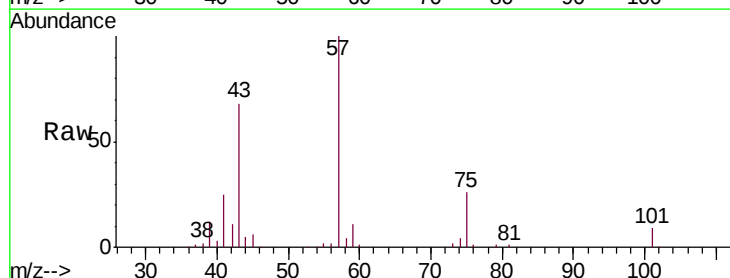
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDK4

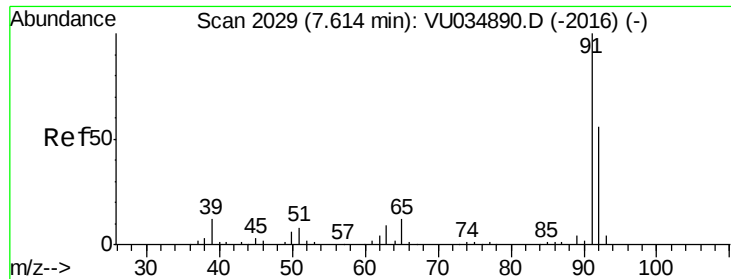
Tgt Ion: 75 Resp: 5069
 Ion Ratio Lower Upper
 75 100
 77 44.3 22.4 41.6#



#40
 4-Methyl-2-pentanone
 Concen: 9.872 ug/L
 RT: 7.40 min Scan# 1962
 Delta R.T. -0.04 min
 Lab File: VU034905.D
 Acq: 01 Oct 2019 22:04

Tgt Ion: 43 Resp: 49139
 Ion Ratio Lower Upper
 43 100
 58 5.6 27.5 41.3#
 100 0.0 9.0 13.6#





#42

Toluene

Concen: 2.869 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034905.D

Acq: 01 Oct 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

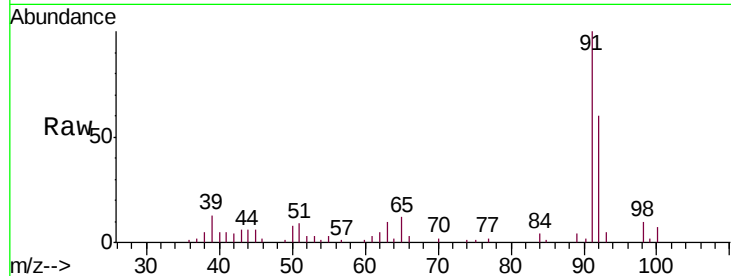
BFDK4

Tgt Ion: 91 Resp: 22411

Ion Ratio Lower Upper

91 100

92 59.9 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU034890.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU034890.D (-2016) (-)

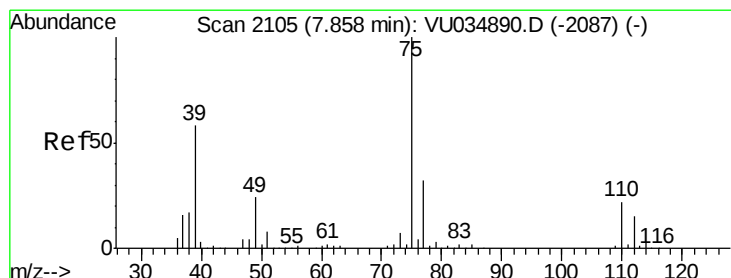
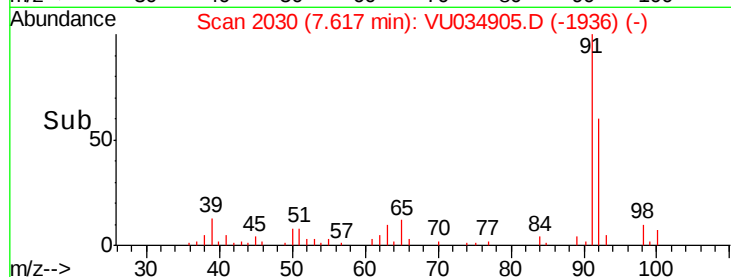
7.62

10000

5000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 1.128 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU034905.D

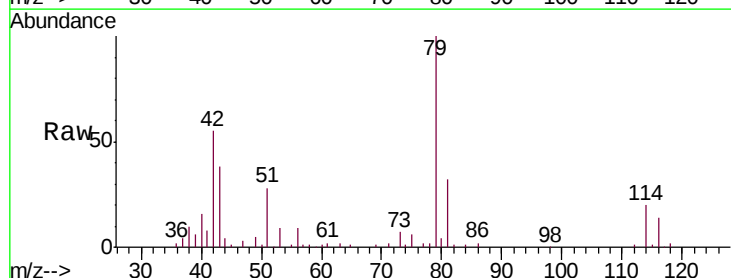
Acq: 01 Oct 2019 22:04

Tgt Ion: 75 Resp: 3559

Ion Ratio Lower Upper

75 100

77 39.6 21.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VU034890.D (-2087) (-)

Ion 77.00 (76.70 to 77.70): VU034890.D (-2087) (-)

2500

2000

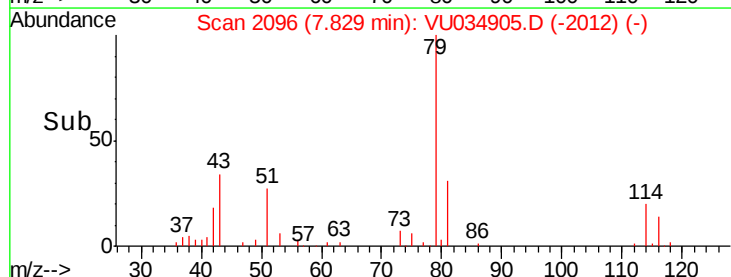
1500

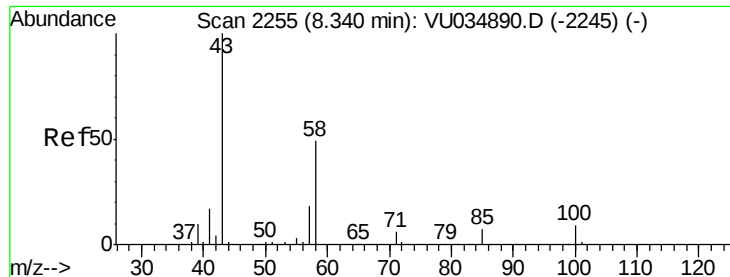
1000

500

0

Time-->

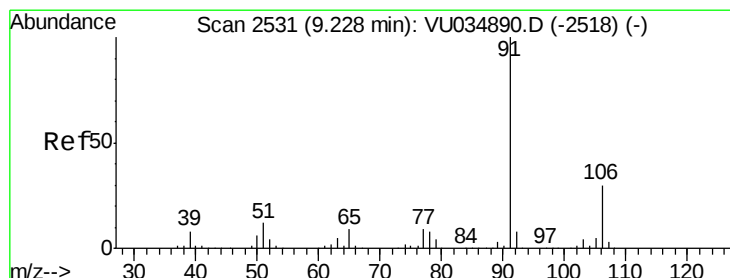
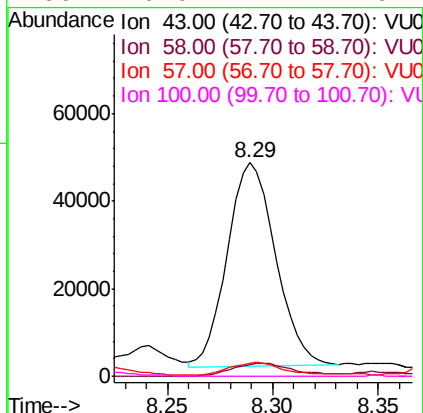
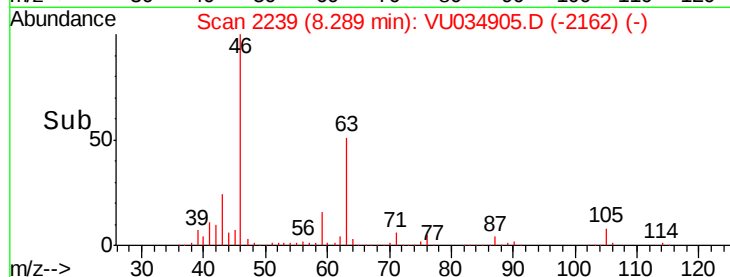
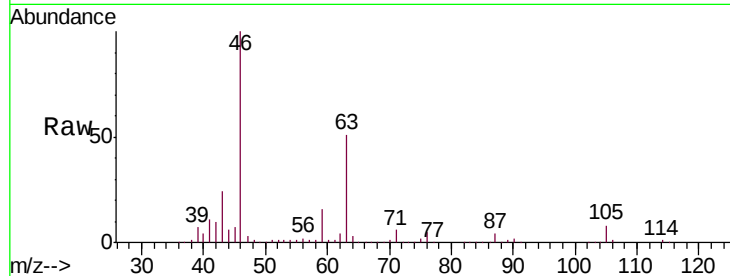




#48
2-Hexanone
Concen: 19.483 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.05 min
Lab File: VU034905.D
Acq: 01 Oct 2019 22:04

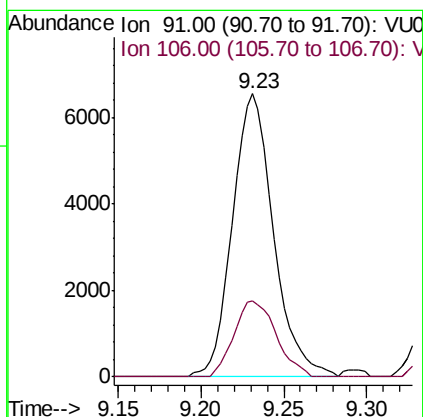
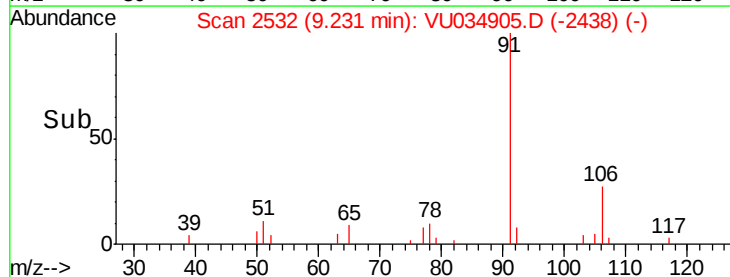
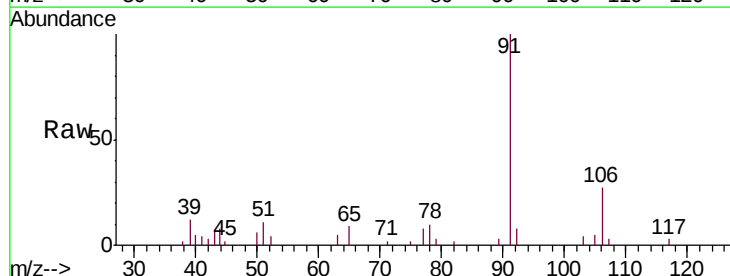
Instrument :
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ClientSampleId :
BFDK4

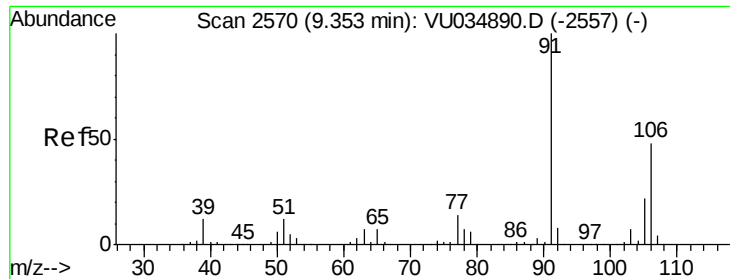
Tgt Ion: 43 Resp: 73595
Ion Ratio Lower Upper
43 100
58 8.2 37.8 56.8#
57 6.7 13.4 20.0#
100 0.0 7.1 10.7#



#52
Ethylbenzene
Concen: 1.229 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034905.D
Acq: 01 Oct 2019 22:04

Tgt Ion: 91 Resp: 11272
Ion Ratio Lower Upper
91 100
106 26.7 20.9 38.9





#53

m,p-Xylene

Concen: 3.727 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034905.D

Acq: 01 Oct 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

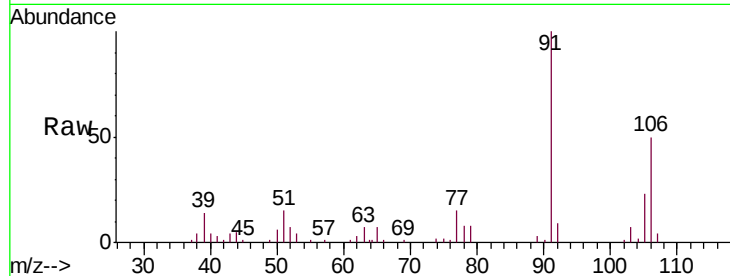
BFDK4

Tgt Ion:106 Resp: 11938

Ion Ratio Lower Upper

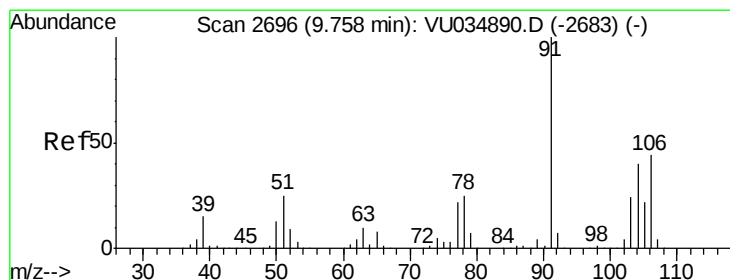
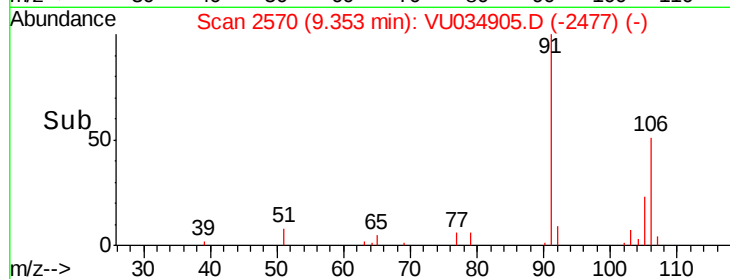
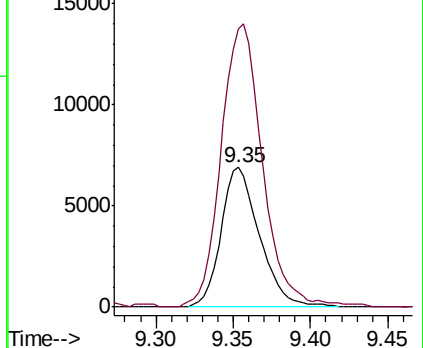
106 100

91 198.7 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 3.188 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034905.D

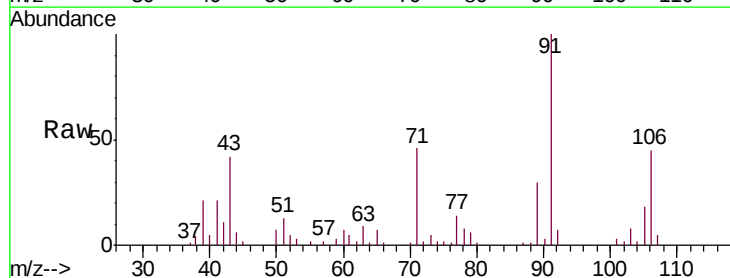
Acq: 01 Oct 2019 22:04

Tgt Ion:106 Resp: 10772

Ion Ratio Lower Upper

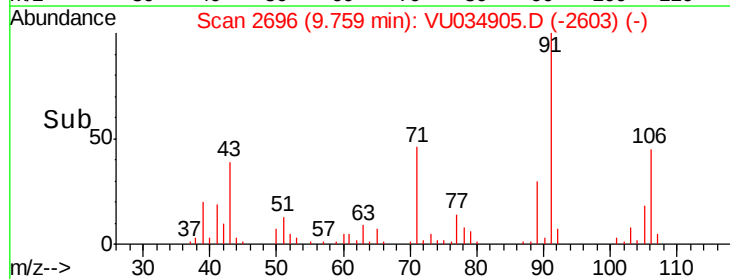
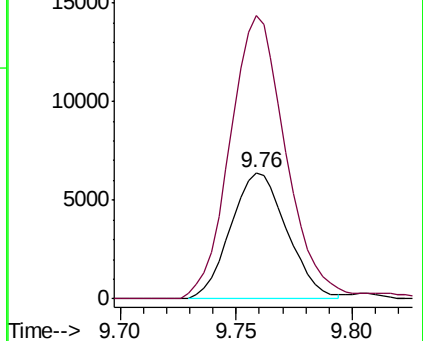
106 100

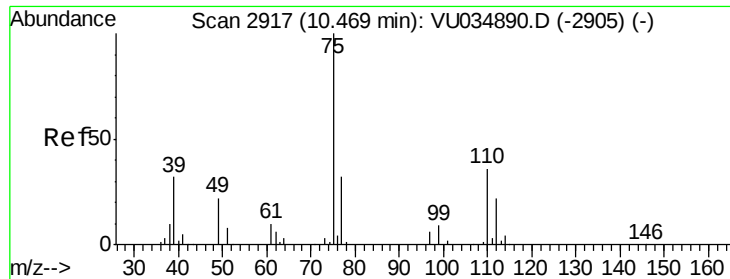
91 224.2 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

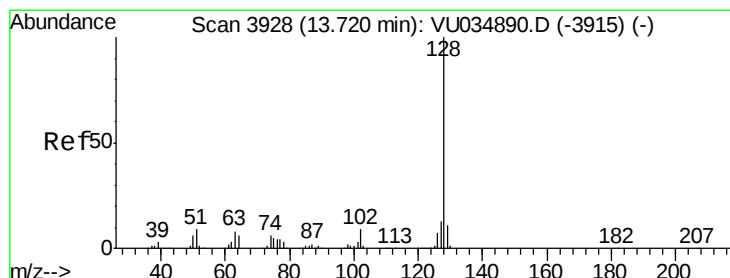
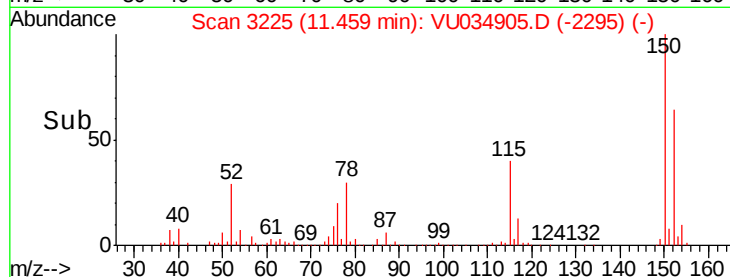
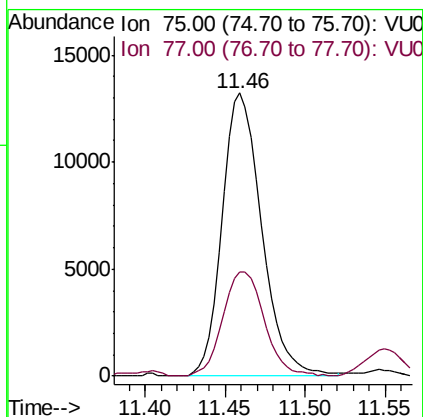
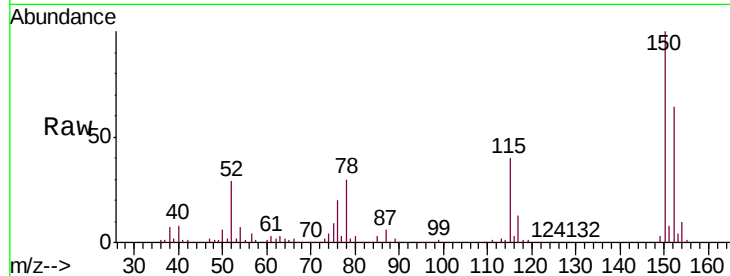




#59
 1,2,3-Trichloropropane
 Concen: 6.038 ug/L
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.99 min
 Lab File: VU034905.D
 Acq: 01 Oct 2019 22:04

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDK4

Tgt Ion: 75 Resp: 22335
 Ion Ratio Lower Upper
 75 100
 77 38.6 25.9 38.9



#69
 Naphthalene
 Concen: 4.247 ug/L
 RT: 13.73 min Scan# 3931
 Delta R.T. 0.01 min
 Lab File: VU034905.D
 Acq: 01 Oct 2019 22:04

Tgt Ion: 128 Resp: 31037
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.4 15.6
 129 11.6 8.5 12.7

