

Data File : VU034893.D
Acq On : 01 Oct 2019 17:23
Operator : JC/SP
Sample : K5028-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDL9

Quant Time: Oct 02 01:53:21 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	333942	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	326634	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	137577	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	98413	42.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.10%
7) Chloroethane-d5	1.67	69	88957	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.48%
11) 1,1-Dichloroethene-d2	2.26	63	150058	35.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.92%
21) 2-Butanone-d5	4.15	46	248182	108.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.67%
24) Chloroform-d	4.62	84	215217	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.78%
26) 1,2-Dichloroethane-d4	5.29	65	157452	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
32) Benzene-d6	5.32	84	417638	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
36) 1,2-Dichloropropane-d6	6.31	67	147133	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.26%
41) Toluene-d8	7.54	98	391581	46.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.83	79	62500	46.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.32%
47) 2-Hexanone-d5	8.29	63	165263	112.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.94%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	207744	47.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.16%
64) 1,2-Dichlorobenzene-d4	11.84	152	137641	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1122	0.711	ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1019	0.814	ug/L #	1
13) Acetone	2.31	43	62708	34.547	ug/L	99
14) Carbon disulfide	2.46	76	2274	1.133	ug/L #	87
15) Methyl Acetate	2.61	43	3033	1.047	ug/L #	83
16) Methylene chloride	2.68	84	153909	84.130	ug/L	97
22) 2-Butanone	4.26	43	14414	6.114	ug/L	95
40) 4-Methyl-2-pentanone	7.40	43	52974	11.089	ug/L #	55
44) trans-1,3-Dichloropropene	7.83	75	3439	1.136	ug/L #	77
48) 2-Hexanone	8.29	43	79968	22.059	ug/L #	52
51) Chlorobenzene	9.10	112	4868	0.958	ug/L #	82
53) m,p-Xylene	9.36	106	6522	2.121	ug/L	95
54) o-xylene	9.76	106	3189	0.984	ug/L	73
59) 1,2,3-Trichloropropane	11.46	75	20867	5.878	ug/L	90
69) Naphthalene	13.72	128	135183	20.321	ug/L	98

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

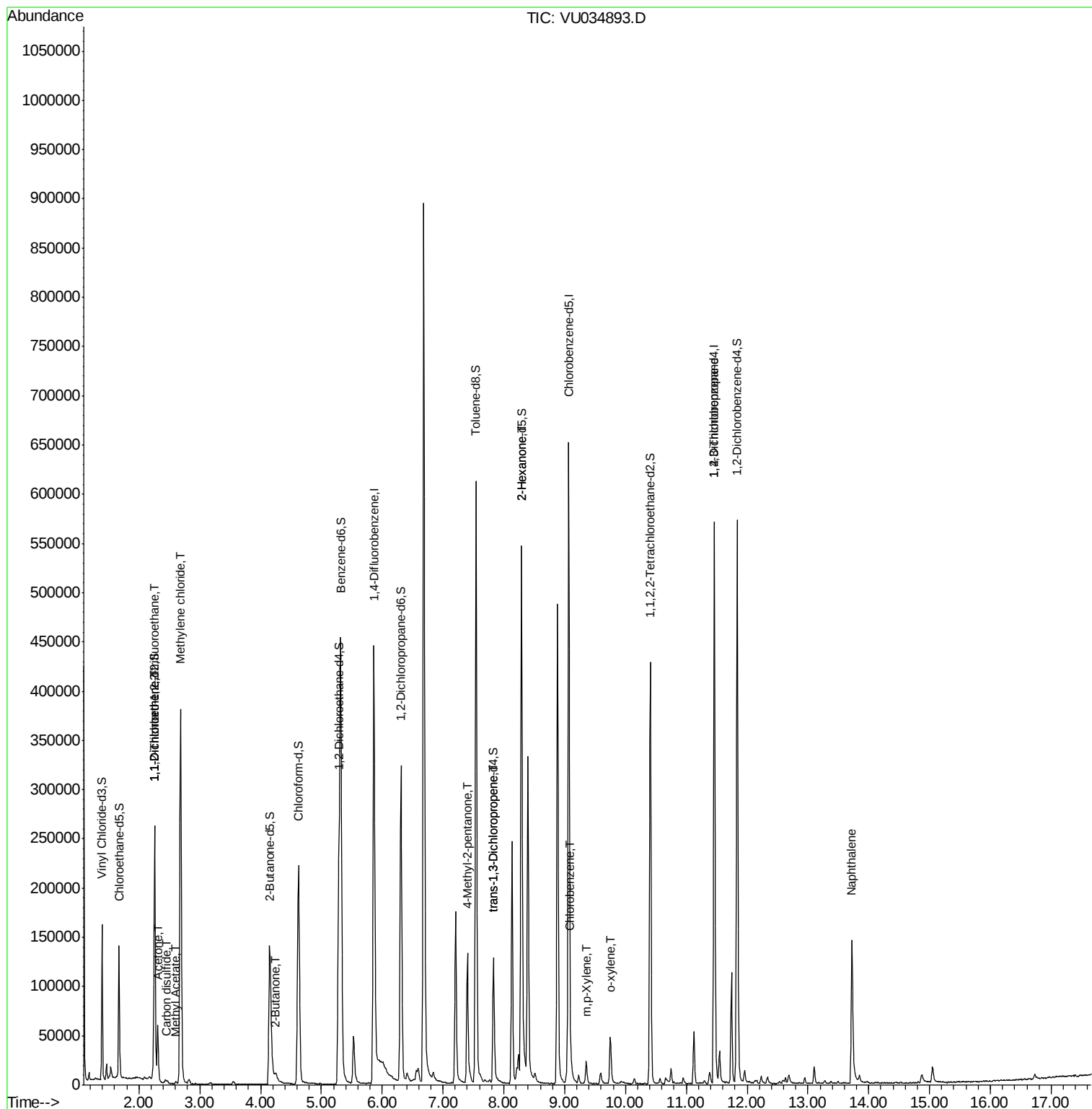
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

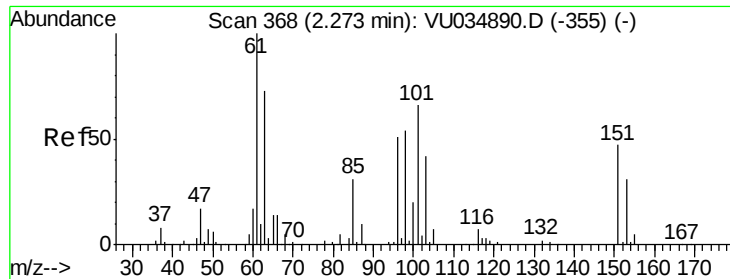
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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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: 0.711 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU034893.D

Acq: 01 Oct 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

BFDL9

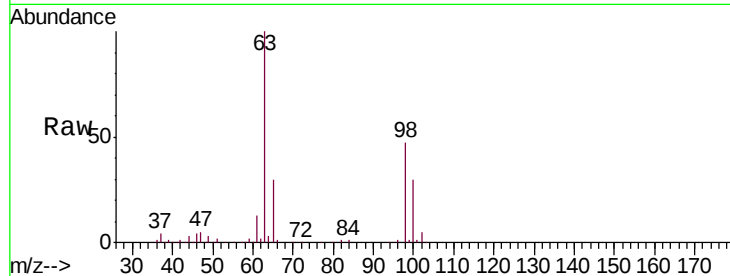
Tgt Ion: 101 Resp: 1122

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

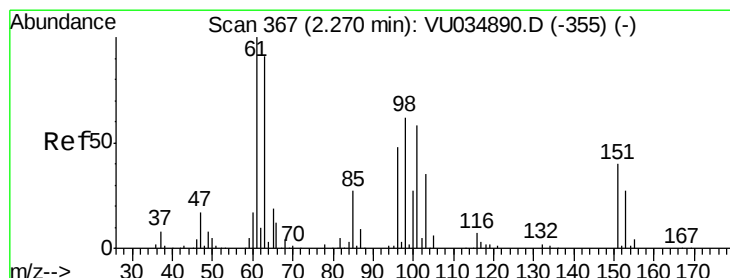
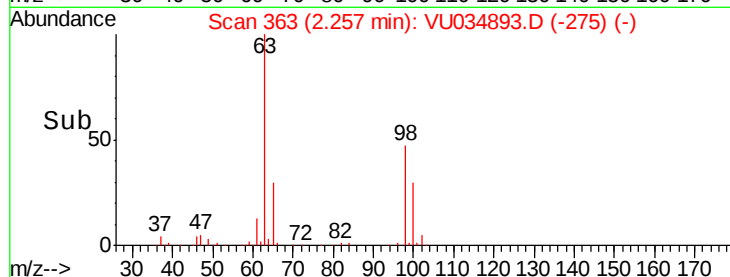
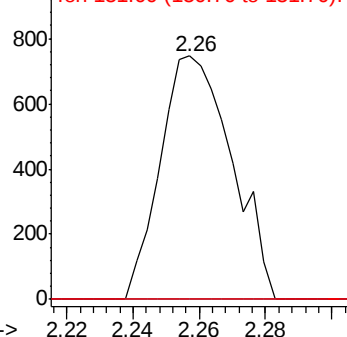
151 0.0 56.0 84.0#



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: 0.814 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU034893.D

Acq: 01 Oct 2019 17:23

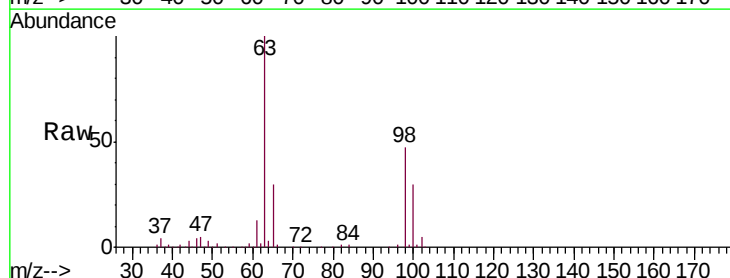
Tgt Ion: 96 Resp: 1019

Ion Ratio Lower Upper

96 100

61 2020.2 147.0 273.0#

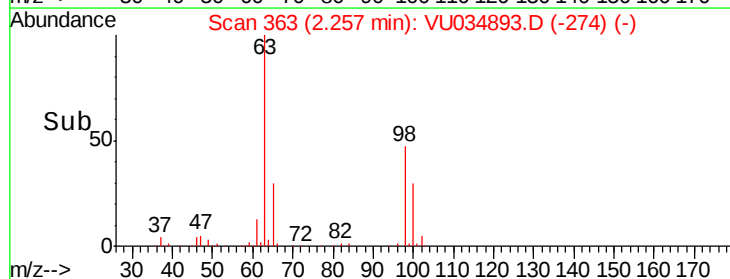
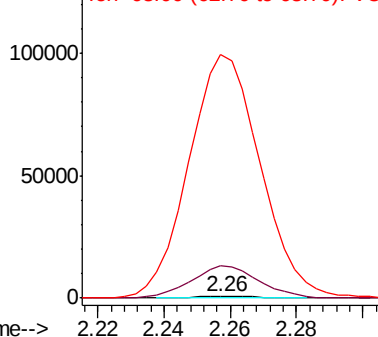
63 15328.2 140.5 260.9#

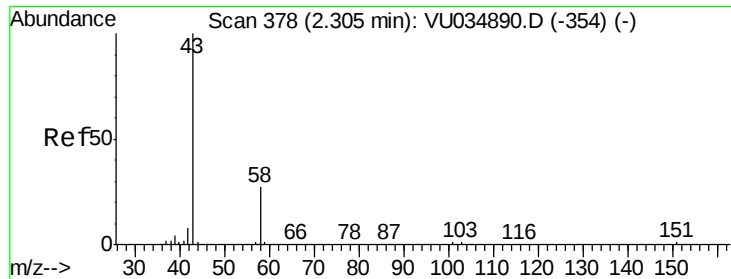


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 34.547 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034893.D

Acq: 01 Oct 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

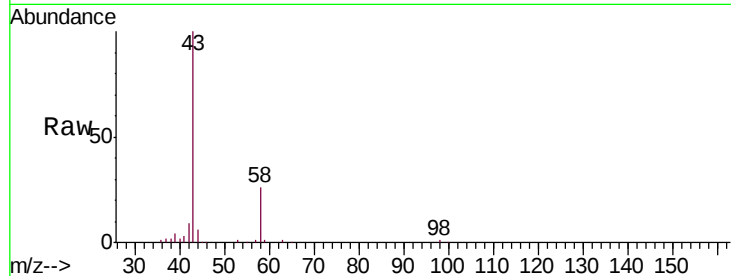
BFDL9

Tgt Ion: 43 Resp: 62708

Ion Ratio Lower Upper

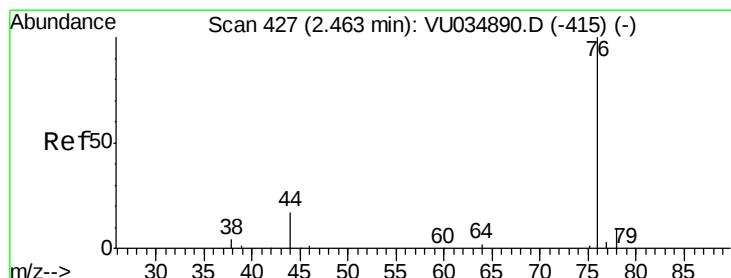
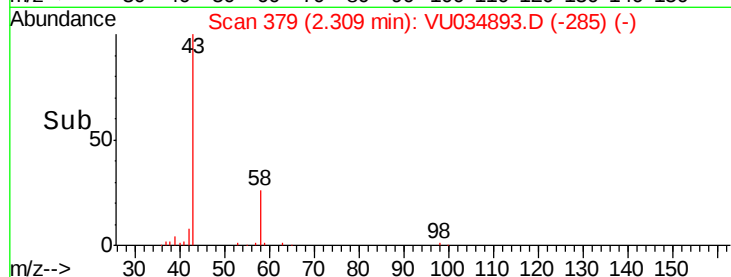
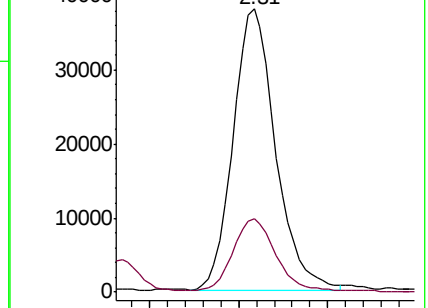
43 100

58 25.9 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU034893.D (-285) (-)

Ion 58.00 (57.70 to 58.70): VU034893.D (-285) (-)



#14

Carbon disulfide

Concen: 1.133 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034893.D

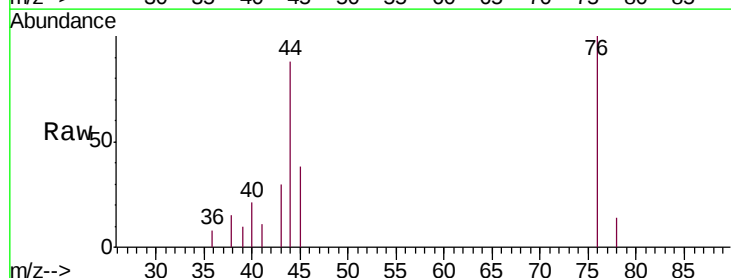
Acq: 01 Oct 2019 17:23

Tgt Ion: 76 Resp: 2274

Ion Ratio Lower Upper

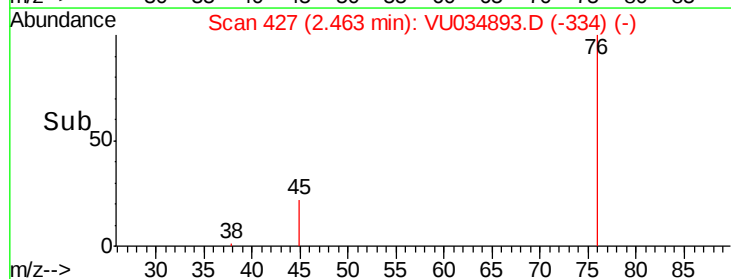
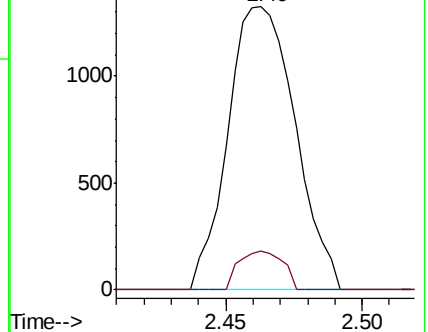
76 100

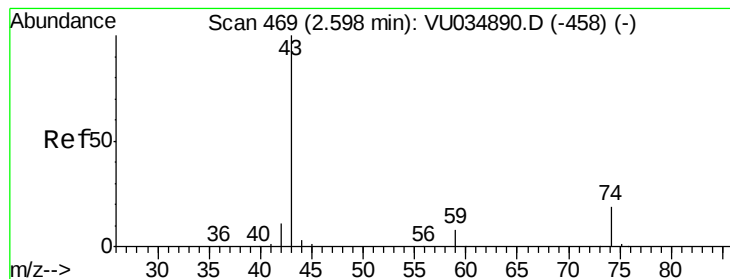
78 13.7 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU034893.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034893.D (-334) (-)





#15

Methyl Acetate

Concen: 1.047 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU034893.D

Acq: 01 Oct 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

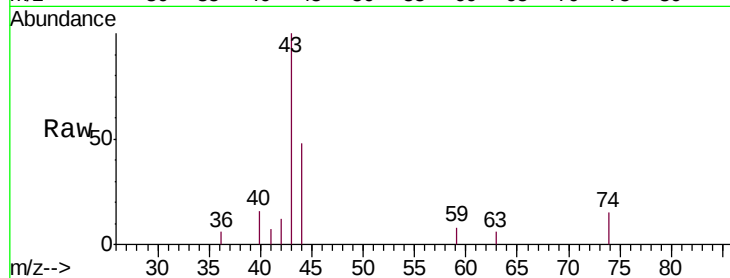
BFDL9

Tgt Ion: 43 Resp: 3033

Ion Ratio Lower Upper

43 100

74 11.3 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VU034893.D (-472) (-)

Ion 74.00 (73.70 to 74.70): VU034893.D (-472) (-)

2000

1500

1000

500

0

Time-->

2.55 2.60 2.65

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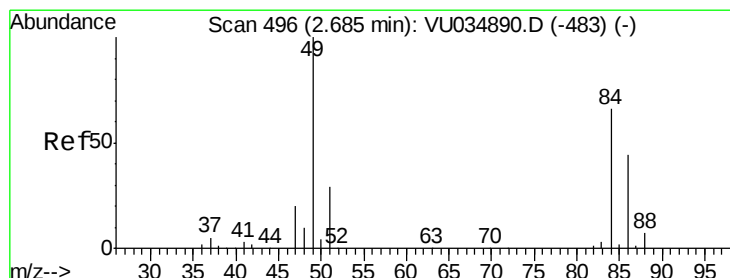
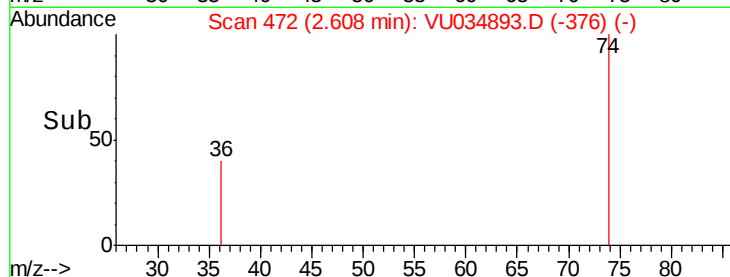
2.61

2.61

2.61

2.61

2.61



#16

Methylene chloride

Concen: 84.130 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034893.D

Acq: 01 Oct 2019 17:23

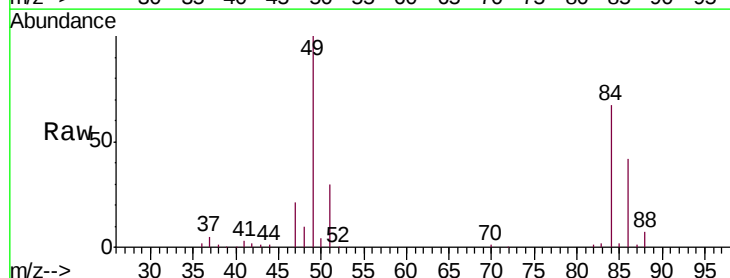
Tgt Ion: 84 Resp: 153909

Ion Ratio Lower Upper

84 100

86 63.2 44.7 82.9

49 149.6 100.7 186.9



Abundance Ion 84.00 (83.70 to 84.70): VU034893.D (-496) (-)

Ion 86.00 (85.70 to 86.70): VU034893.D (-496) (-)

Ion 49.00 (48.70 to 49.70): VU034893.D (-496) (-)

150000

100000

50000

0

Time-->

2.60 2.65 2.70 2.75 2.80

2.68

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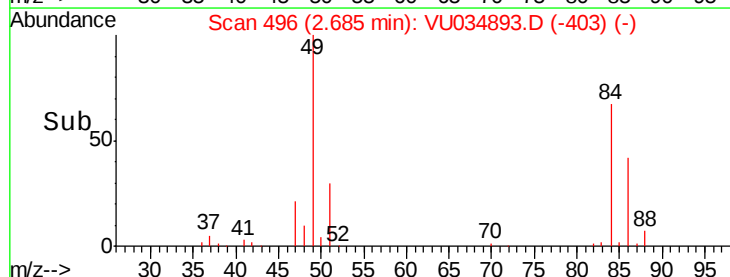
2.68

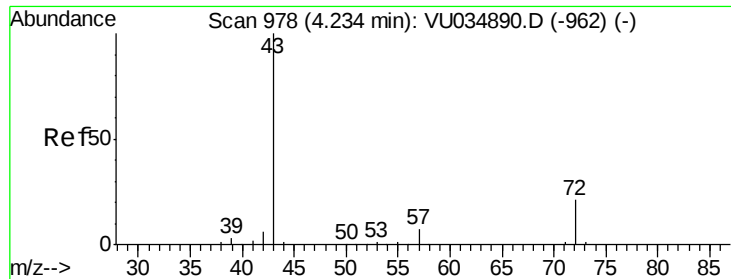
2.68

2.68

2.68

2.68





#22

2-Butanone

Concen: 6.114 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.02 min

Lab File: VU034893.D

Acq: 01 Oct 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

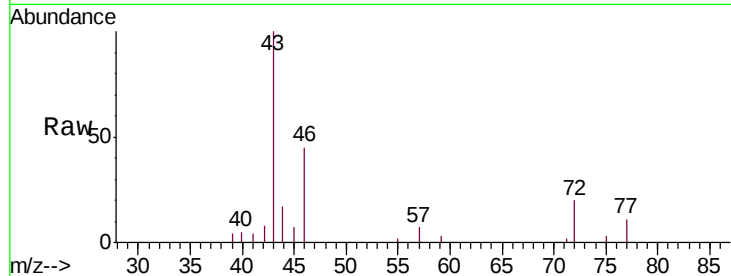
BFDL9

Tgt Ion: 43 Resp: 14414

Ion Ratio Lower Upper

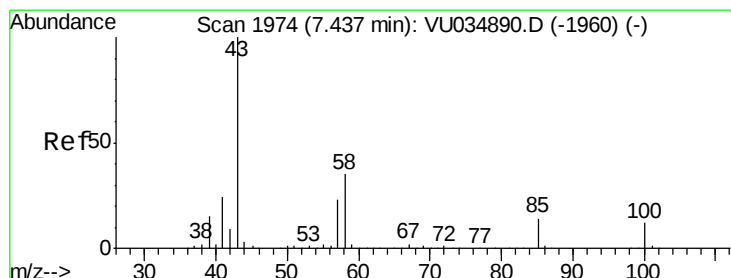
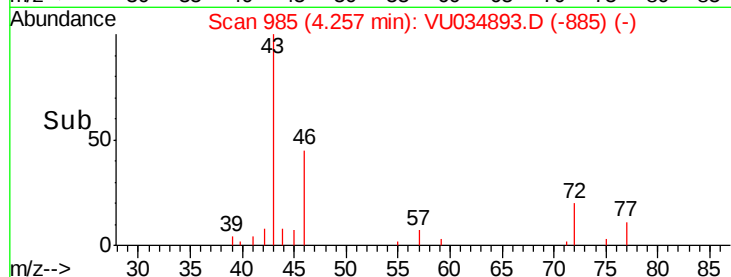
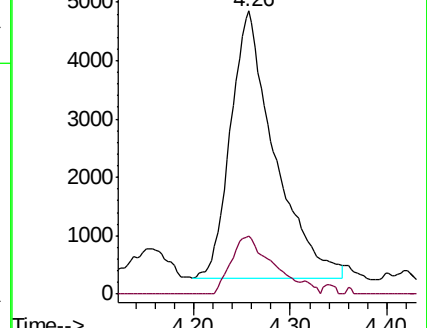
43 100

72 20.0 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VU034890.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034890.D (-962) (-)



#40

4-Methyl-2-pentanone

Concen: 11.089 ug/L

RT: 7.40 min Scan# 1962

Delta R.T. -0.04 min

Lab File: VU034893.D

Acq: 01 Oct 2019 17:23

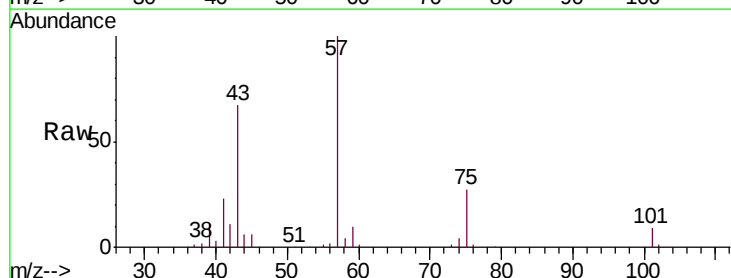
Tgt Ion: 43 Resp: 52974

Ion Ratio Lower Upper

43 100

58 5.8 27.5 41.3#

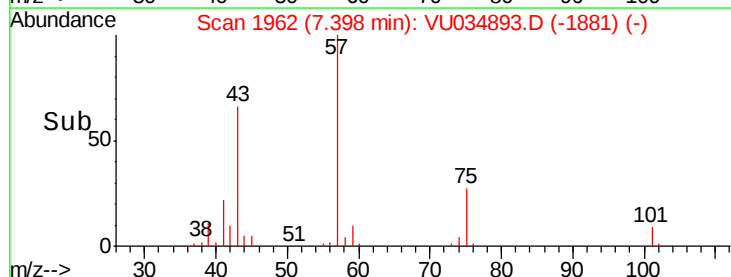
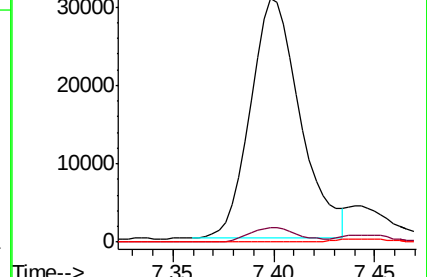
100 0.0 9.0 13.6#

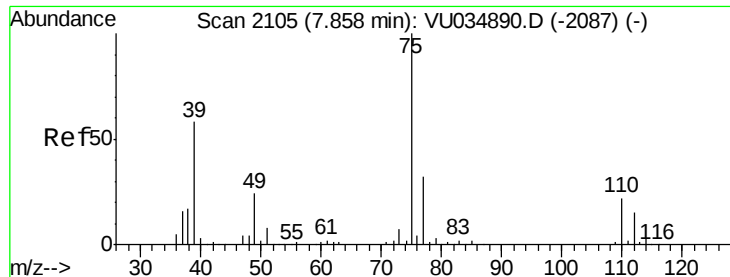


Abundance Ion 43.00 (42.70 to 43.70): VU034890.D (-1960) (-)

Ion 58.00 (57.70 to 58.70): VU034890.D (-1960) (-)

Ion 100.00 (99.70 to 100.70): VU034890.D (-1960) (-)





#44

trans-1,3-Dichloropropene

Concen: 1.136 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU034893.D

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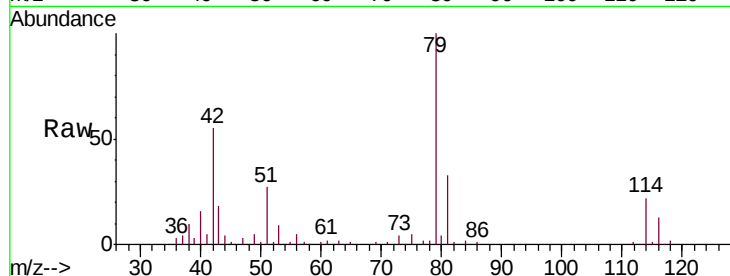
BFDL9

Tgt Ion: 75 Resp: 3439

Ion Ratio Lower Upper

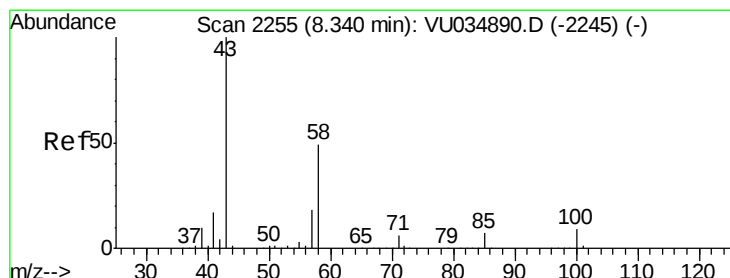
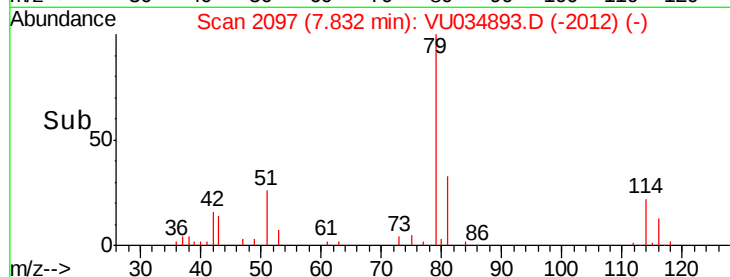
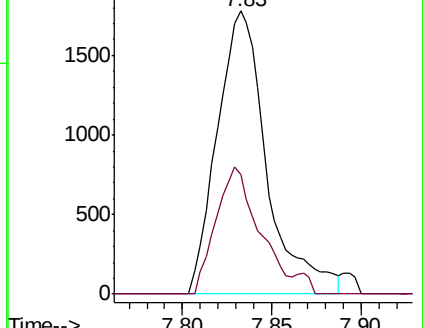
75 100

77 42.3 21.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VU034893.D (-2102) (-)

Ion 77.00 (76.70 to 77.70): VU034893.D (-2102) (-)



#48

2-Hexanone

Concen: 22.059 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.05 min

Lab File: VU034893.D

Acq: 01 Oct 2019 17:23

Tgt Ion: 43 Resp: 79968

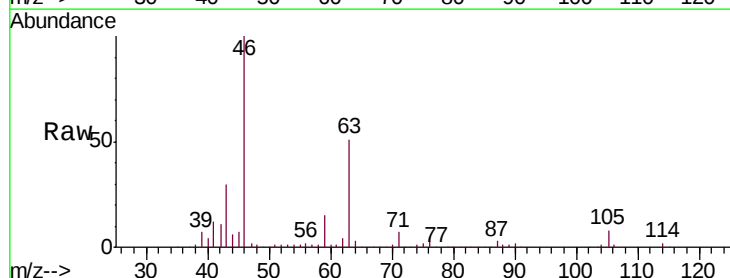
Ion Ratio Lower Upper

43 100

58 6.9 37.8 56.8#

57 5.2 13.4 20.0#

100 0.0 7.1 10.7#

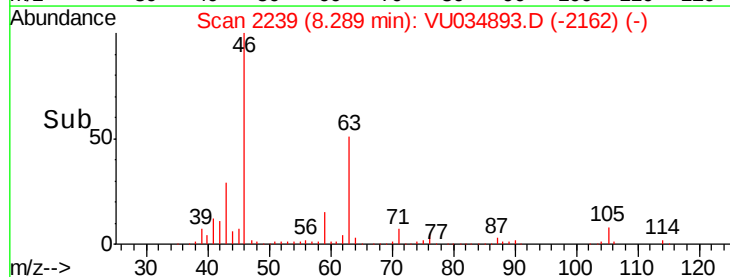
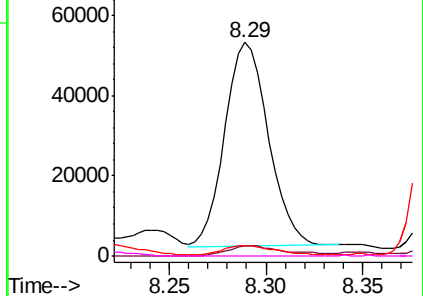


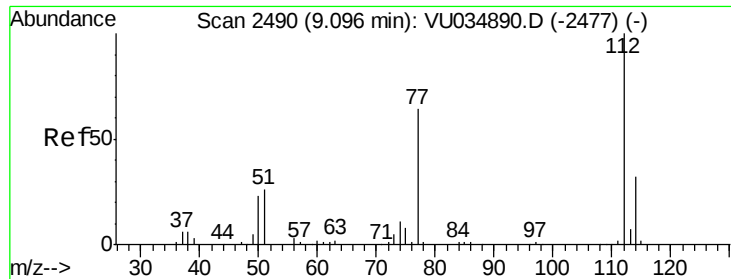
Abundance Ion 43.00 (42.70 to 43.70): VU034893.D (-2250) (-)

Ion 58.00 (57.70 to 58.70): VU034893.D (-2250) (-)

Ion 57.00 (56.70 to 57.70): VU034893.D (-2250) (-)

Ion 100.00 (99.70 to 100.70): VU034893.D (-2250) (-)

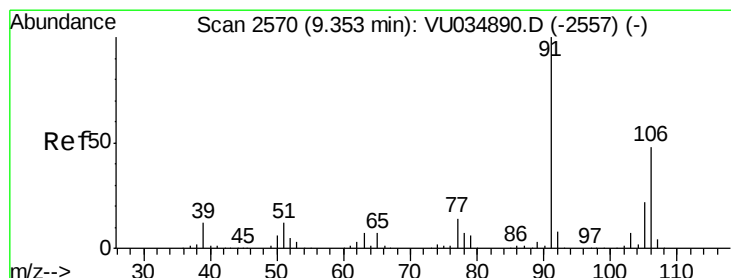
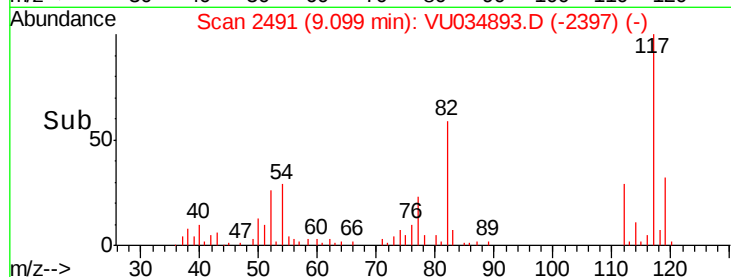
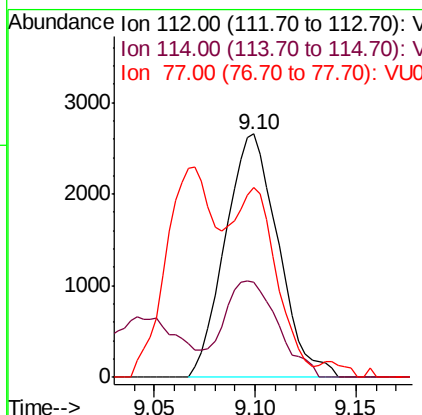
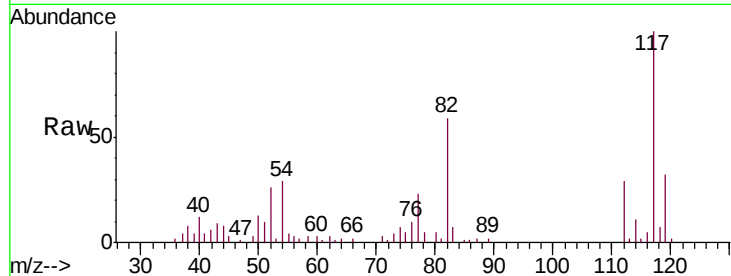




#51
Chlorobenzene
Concen: 0.958 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034893.D
Acq: 01 Oct 2019 17:23

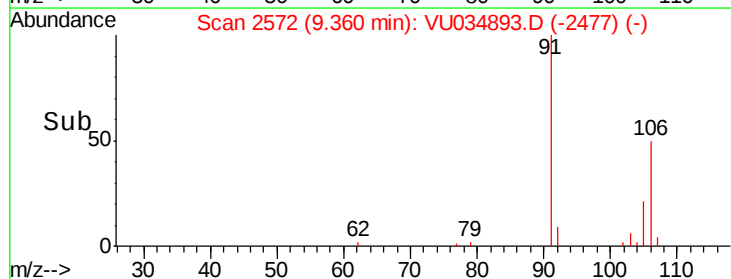
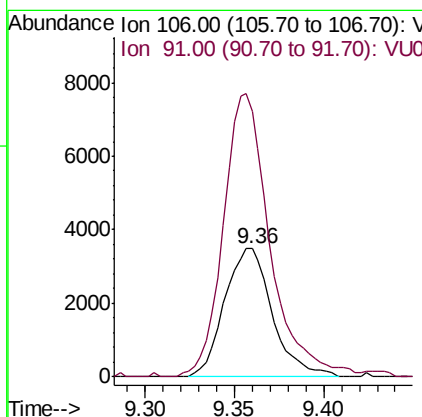
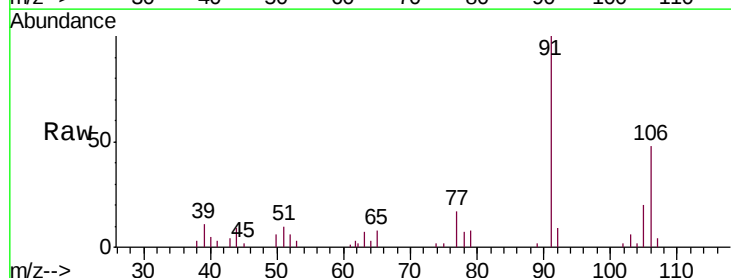
Instrument :
MSVOA_U
ClientSampleId :
BFDL9

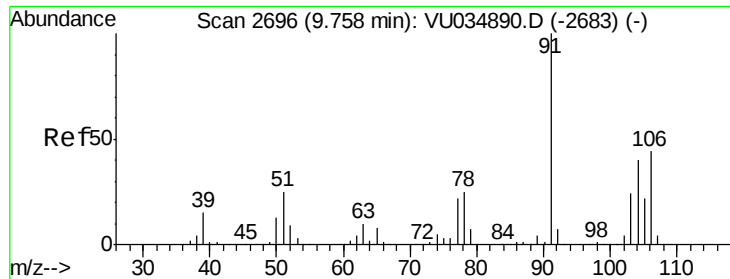
Tgt Ion:112 Resp: 4868
Ion Ratio Lower Upper
112 100
114 38.9 21.7 40.3
77 78.1 50.1 75.1#



#53
m,p-Xylene
Concen: 2.121 ug/L
RT: 9.36 min Scan# 2572
Delta R.T. 0.01 min
Lab File: VU034893.D
Acq: 01 Oct 2019 17:23

Tgt Ion:106 Resp: 6522
Ion Ratio Lower Upper
106 100
91 206.6 150.1 278.9





#54

o-xylene

Concen: 0.984 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU034893.D

Acq: 01 Oct 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

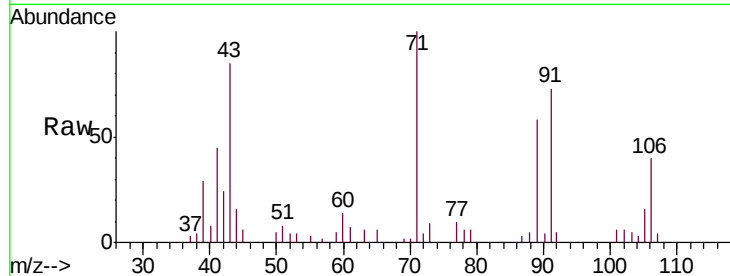
BFDL9

Tgt Ion:106 Resp: 3189

Ion Ratio Lower Upper

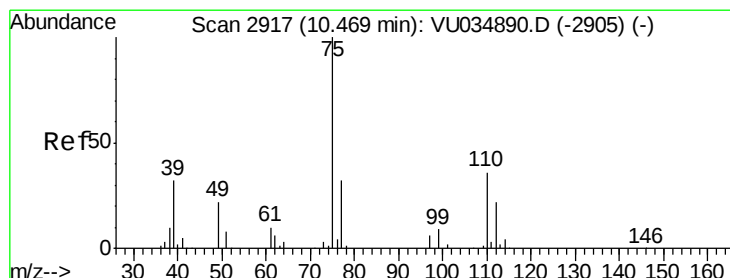
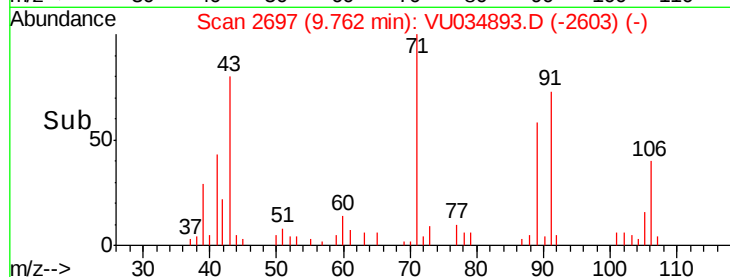
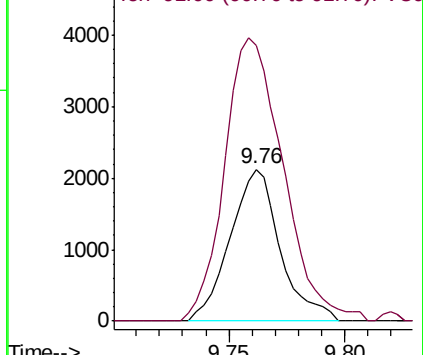
106 100

91 181.4 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): VU034893.D (-2697) (-)

Ion 91.00 (90.70 to 91.70): VU034893.D (-2697) (-)



#59

1,2,3-Trichloropropane

Concen: 5.878 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034893.D

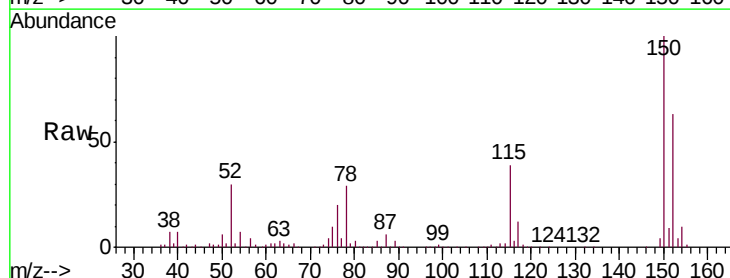
Acq: 01 Oct 2019 17:23

Tgt Ion: 75 Resp: 20867

Ion Ratio Lower Upper

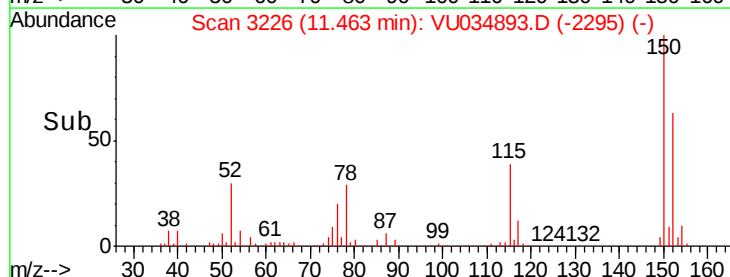
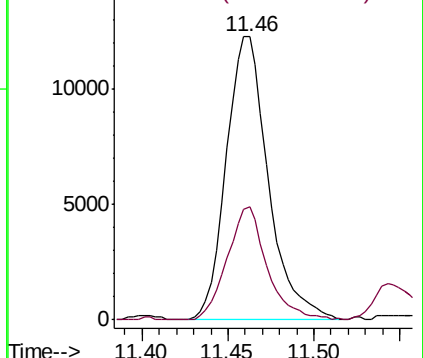
75 100

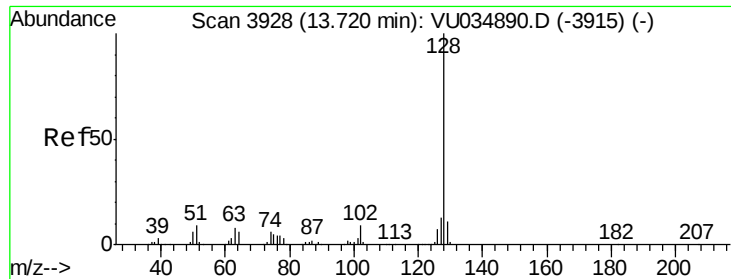
77 37.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU034893.D (-3226) (-)

Ion 77.00 (76.70 to 77.70): VU034893.D (-3226) (-)





#69

Naphthalene

Concen: 20.321 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034893.D

Acq: 01 Oct 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

BFDL9

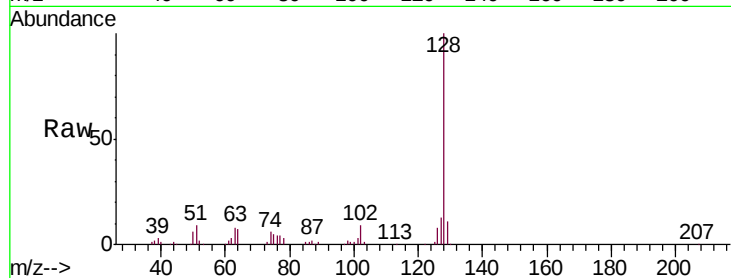
Tgt Ion:128 Resp: 135183

Ion Ratio Lower Upper

128 100

127 11.8 10.4 15.6

129 10.8 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

