

Data File : VU034818.D
Acq On : 25 Sep 2019 21:31
Operator : JC/SP
Sample : K4983-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDM3

Quant Time: Sep 26 07:01:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	455145	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	427035	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	189418	50.00	ug/L	0.00

System Monitoring Compounds

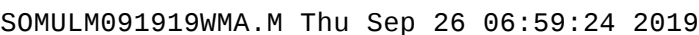
4) Vinyl Chloride-d3	1.39	65	194051	41.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.30%
7) Chloroethane-d5	1.67	69	169321	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.04%
11) 1,1-Dichloroethene-d2	2.26	63	251868	31.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.84%
21) 2-Butanone-d5	4.15	46	387450	108.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.50%
24) Chloroform-d	4.62	84	331348	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.84%
26) 1,2-Dichloroethane-d4	5.29	65	234206	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
32) Benzene-d6	5.32	84	690449	52.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.32%
36) 1,2-Dichloropropane-d6	6.31	67	246244	53.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.46%
41) Toluene-d8	7.54	98	641181	50.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.84%
43) trans-1,3-Dichloropropene-	7.83	79	105638	47.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.36%
47) 2-Hexanone-d5	8.29	63	273183	117.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.57%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	337741	52.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.22%
64) 1,2-Dichlorobenzene-d4	11.84	152	218439	55.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.00%

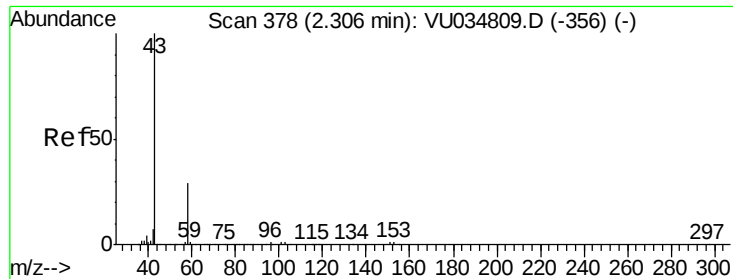
Target Compounds

					Qvalue
13) Acetone	2.31	43	16869	4.061 ug/L	94
15) Methyl Acetate	2.60	43	5896	1.063 ug/L	95
16) Methylene chloride	2.68	84	105106	27.864 ug/L	97
39) cis-1,3-Dichloropropene	7.21	75	7380	1.114 ug/L	89
40) 4-Methyl-2-pentanone	7.40	43	94715	11.249 ug/L #	58
42) Toluene	7.62	91	21279	1.329 ug/L	94
53) m,p-Xylene	9.36	106	17177	2.691 ug/L	97
54) o-xylene	9.76	106	10883	1.724 ug/L	71
59) 1,2,3-Trichloropropane	11.46	75	28556	5.184 ug/L	89
65) 1,2-Dichlorobenzene	11.85	146	5643	0.851 ug/L #	89
69) Naphthalene	13.73	128	54349	4.542 ug/L	96

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

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#13

Acetone

Concen: 4.061 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034818.D

Acq: 25 Sep 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

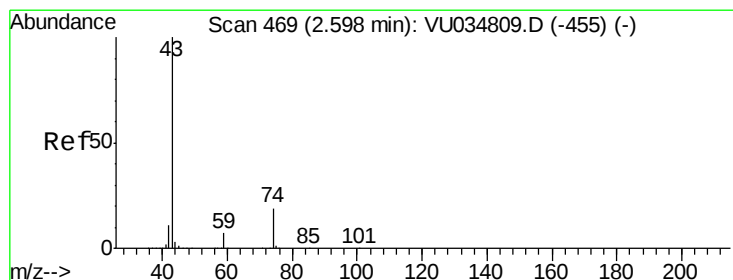
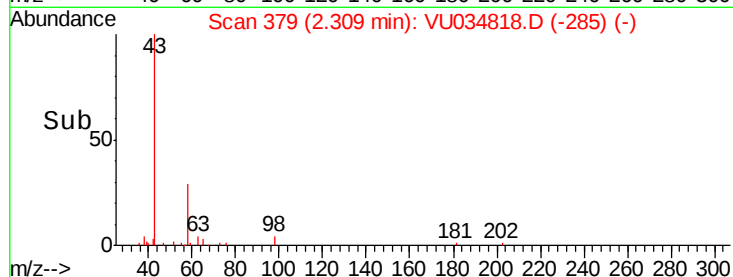
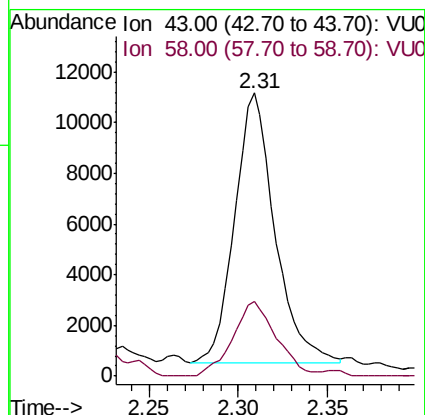
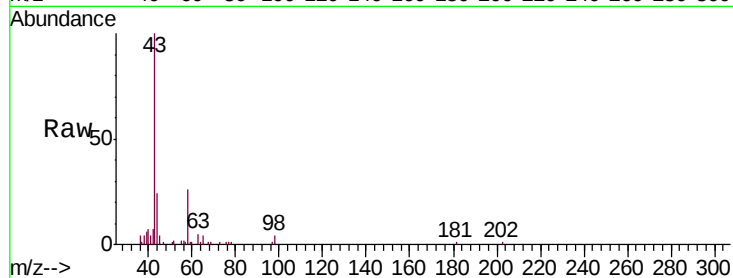
BFDM3

Tgt Ion: 43 Resp: 16869

Ion Ratio Lower Upper

43 100

58 29.8 0.0 53.4



#15

Methyl Acetate

Concen: 1.063 ug/L

RT: 2.60 min Scan# 471

Delta R.T. 0.01 min

Lab File: VU034818.D

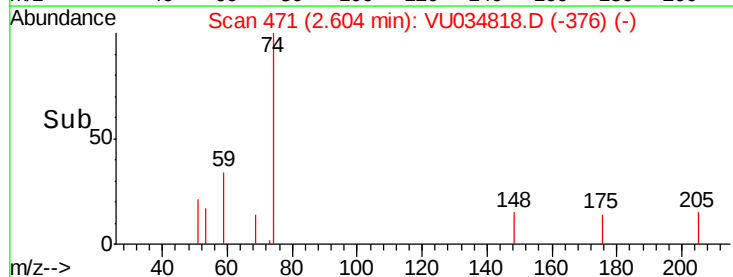
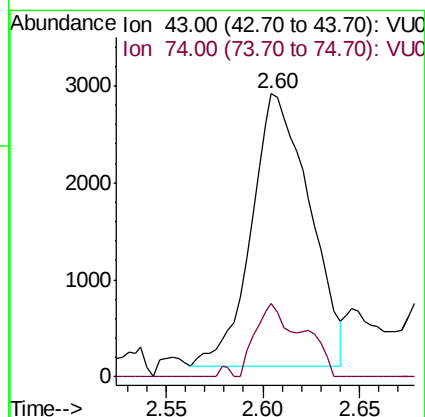
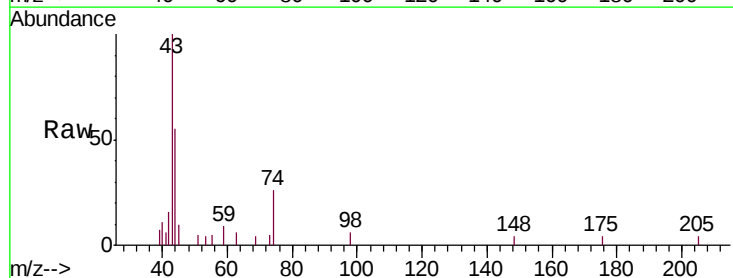
Acq: 25 Sep 2019 21:31

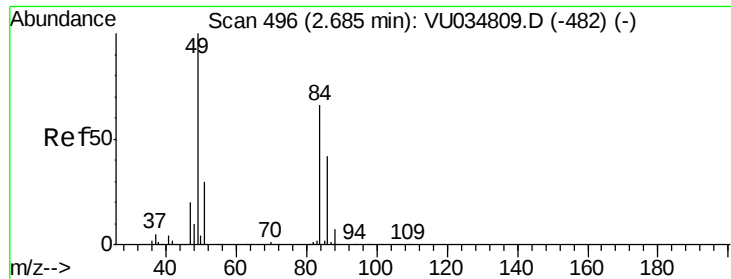
Tgt Ion: 43 Resp: 5896

Ion Ratio Lower Upper

43 100

74 15.6 14.4 21.6

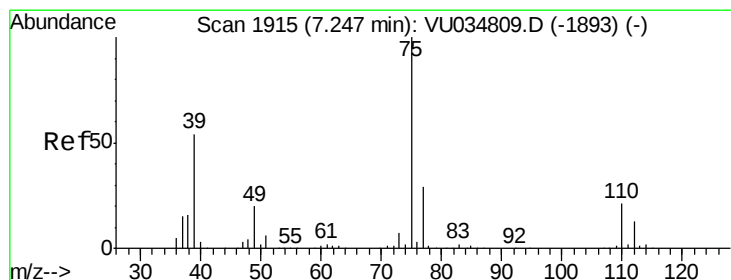
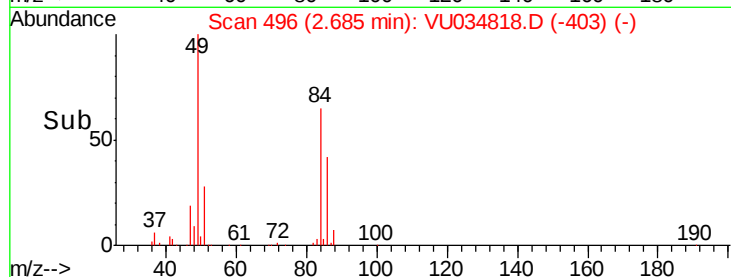
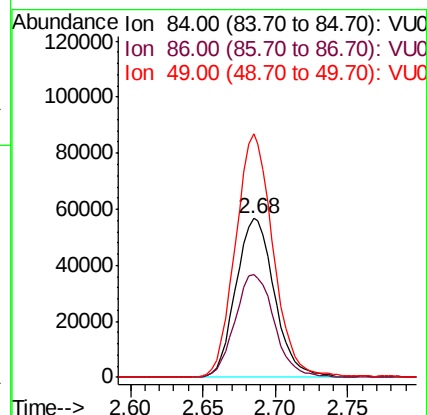
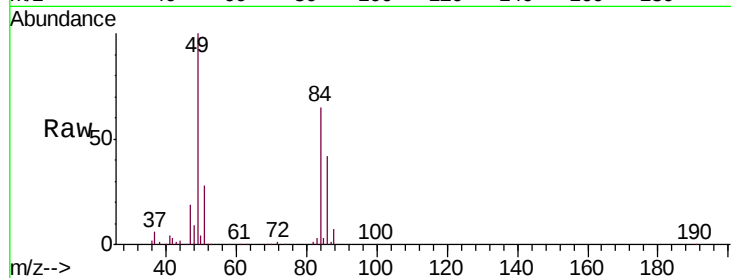




#16
Methylene chloride
Concen: 27.864 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034818.D
Acq: 25 Sep 2019 21:31

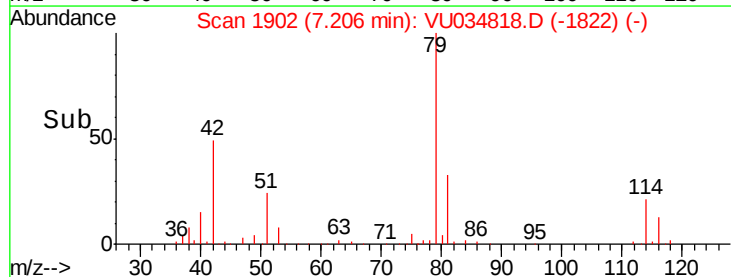
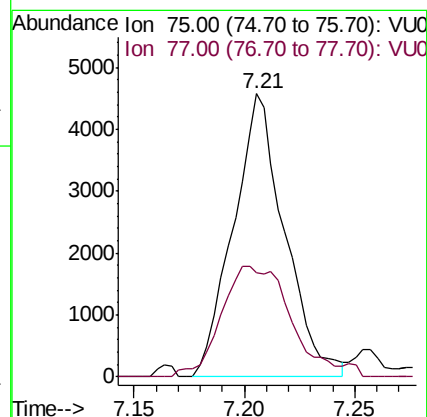
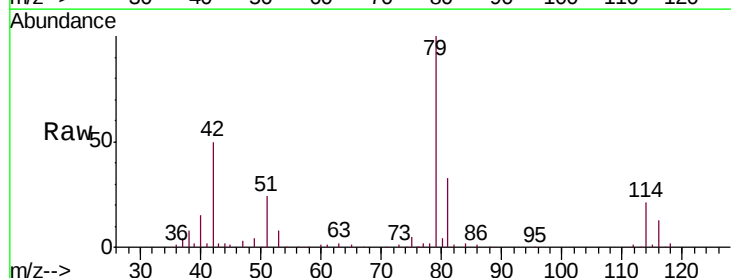
Instrument :
MSVOA_U
ClientSampleId :
BFDM3

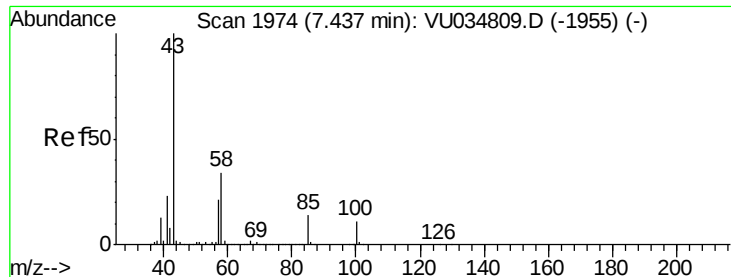
Tgt Ion: 84 Resp: 105106
Ion Ratio Lower Upper
84 100
86 65.2 43.0 80.0
49 153.6 109.7 203.7



#39
cis-1,3-Dichloropropene
Concen: 1.114 ug/L
RT: 7.21 min Scan# 1902
Delta R.T. -0.04 min
Lab File: VU034818.D
Acq: 25 Sep 2019 21:31

Tgt Ion: 75 Resp: 7380
Ion Ratio Lower Upper
75 100
77 36.9 21.4 39.8

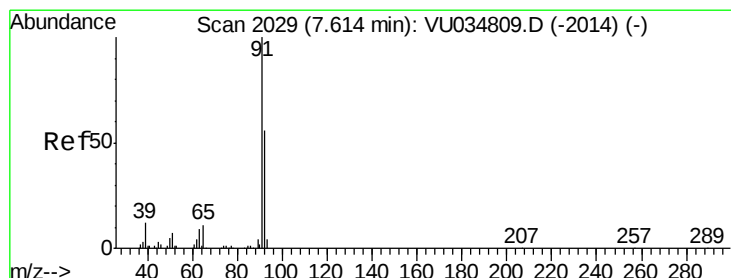
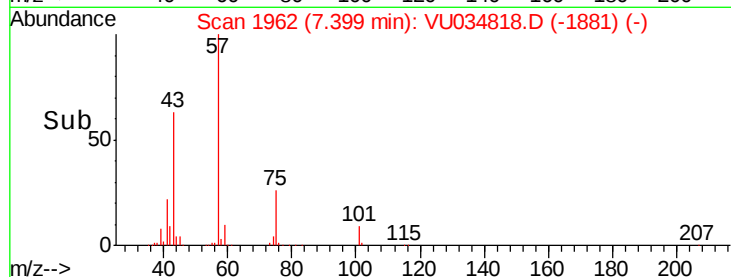
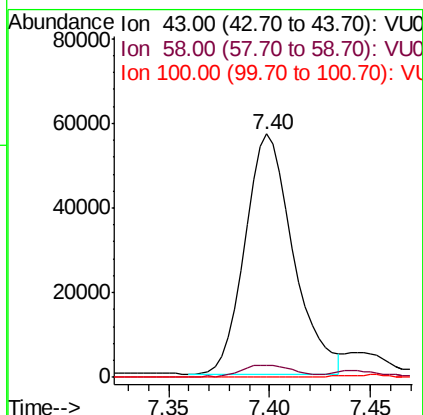
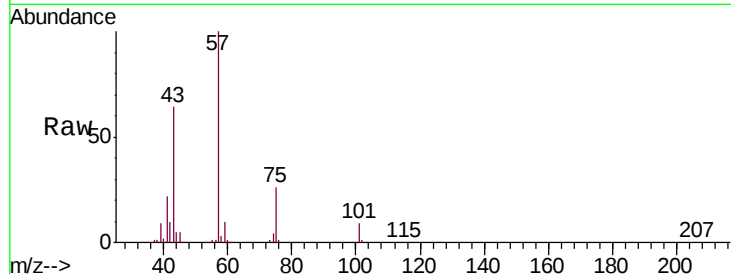




#40
4-Methyl-2-pentanone
Concen: 11.249 ug/L
RT: 7.40 min Scan# 1962
Delta R.T. -0.04 min
Lab File: VU034818.D
Acq: 25 Sep 2019 21:31

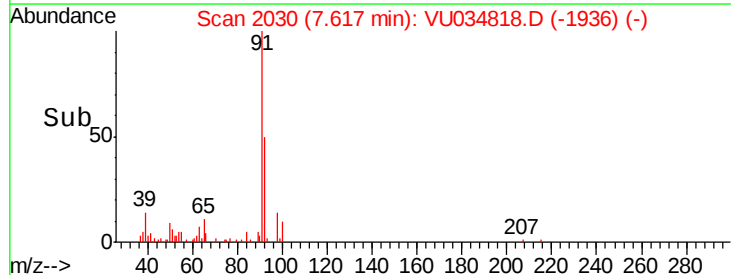
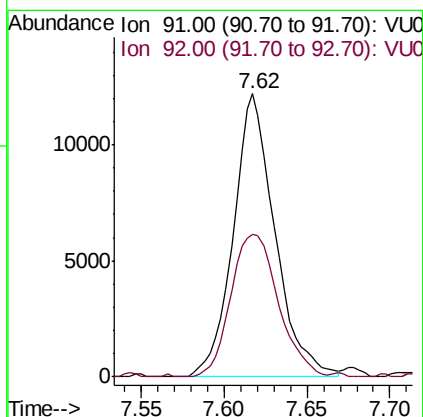
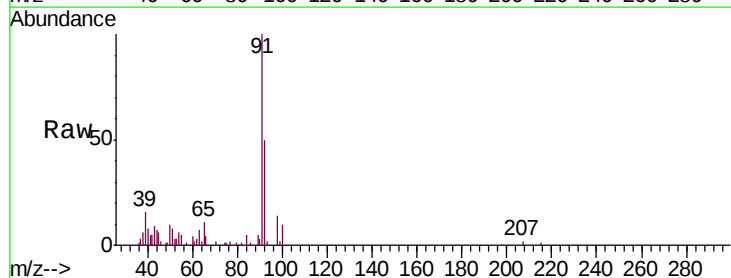
Instrument :
MSVOA_U
ClientSampleId :
BFDM3

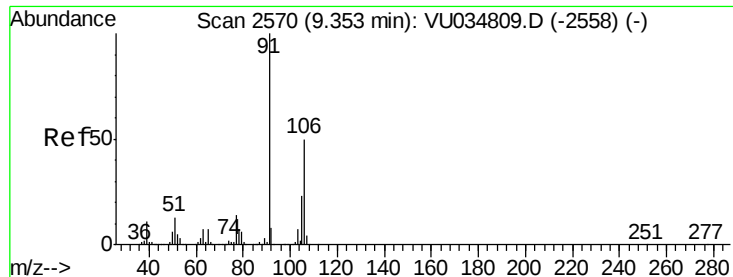
Tgt Ion: 43 Resp: 94715
Ion Ratio Lower Upper
43 100
58 5.8 25.2 37.8#
100 0.0 7.7 11.5#



#42
Toluene
Concen: 1.329 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034818.D
Acq: 25 Sep 2019 21:31

Tgt Ion: 91 Resp: 21279
Ion Ratio Lower Upper
91 100
92 50.3 38.2 71.0





#53

m,p-Xylene

Concen: 2.691 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034818.D

Acq: 25 Sep 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

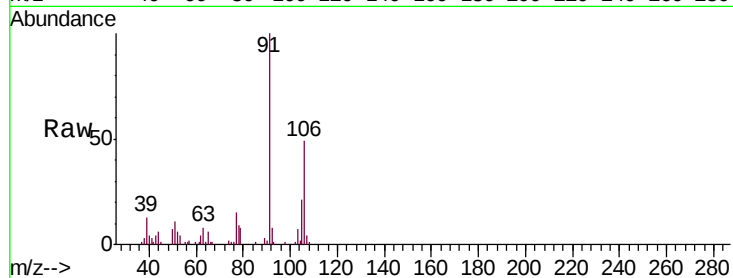
BFDM3

Tgt Ion:106 Resp: 17177

Ion Ratio Lower Upper

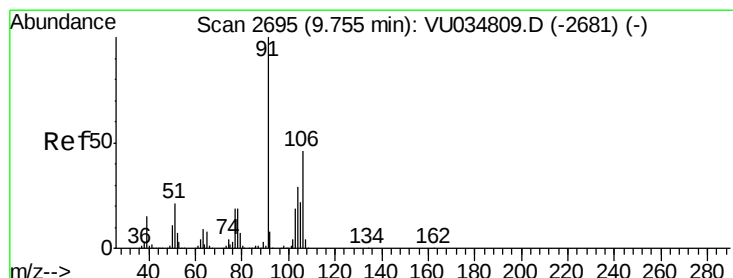
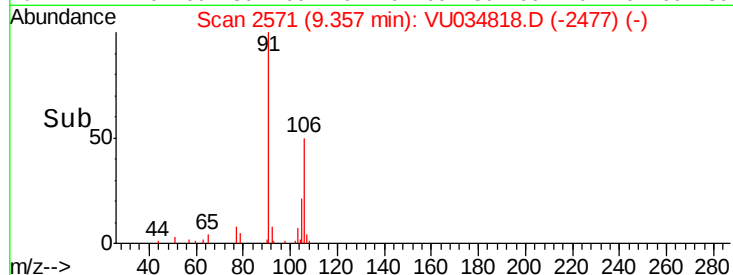
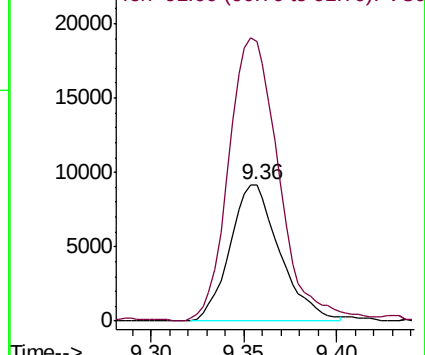
106 100

91 204.7 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.724 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034818.D

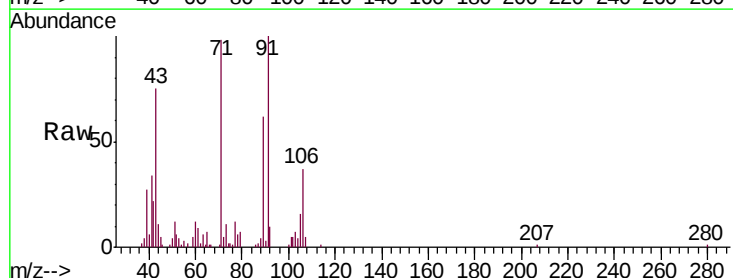
Acq: 25 Sep 2019 21:31

Tgt Ion:106 Resp: 10883

Ion Ratio Lower Upper

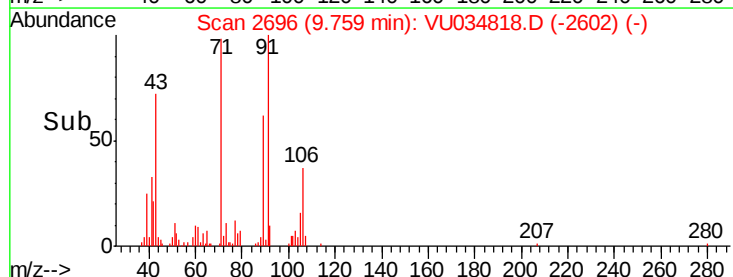
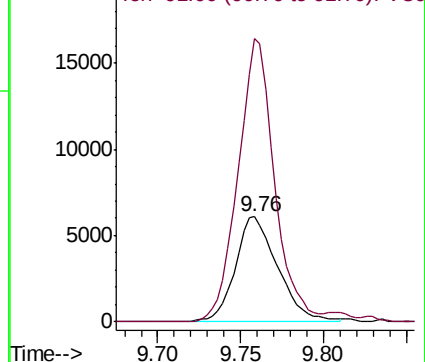
106 100

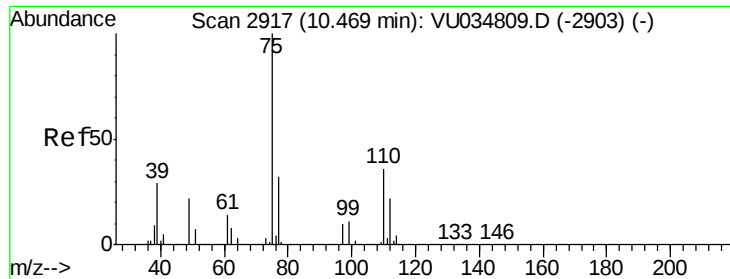
91 269.3 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

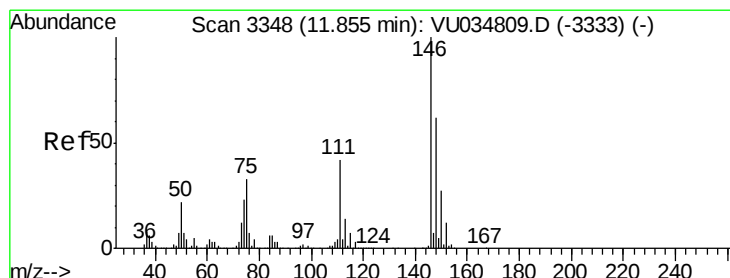
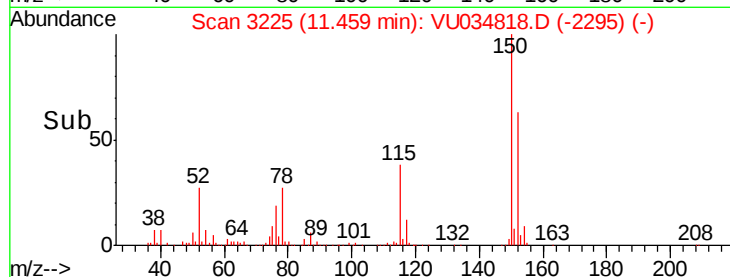
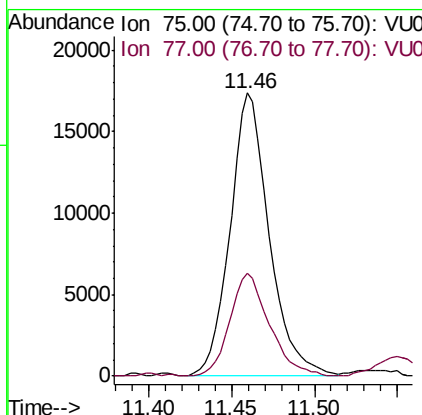
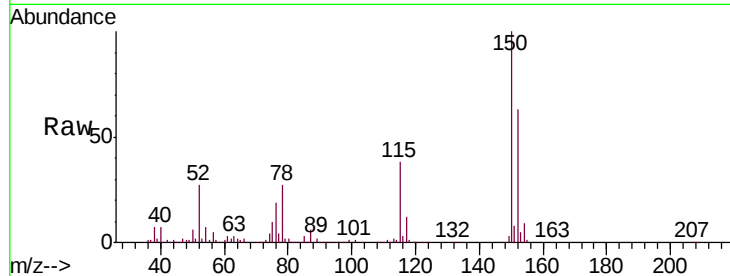




#59
 1,2,3-Trichloropropane
 Concen: 5.184 ug/L
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.99 min
 Lab File: VU034818.D
 Acq: 25 Sep 2019 21:31

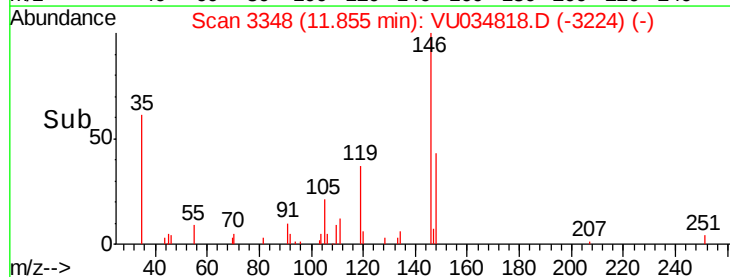
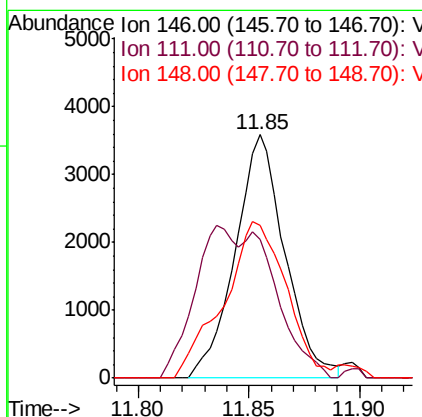
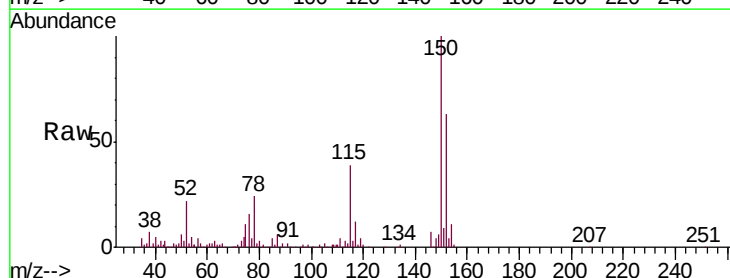
Instrument :
 MSVOA_U
 ClientSampleId :
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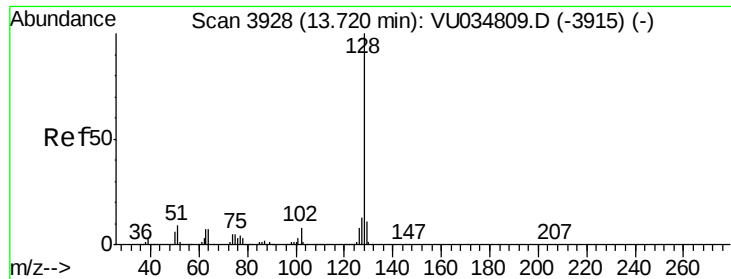
Tgt Ion: 75 Resp: 28556
 Ion Ratio Lower Upper
 75 100
 77 36.8 24.6 37.0



#65
 1,2-Dichlorobenzene
 Concen: 0.851 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034818.D
 Acq: 25 Sep 2019 21:31

Tgt Ion: 146 Resp: 5643
 Ion Ratio Lower Upper
 146 100
 111 56.7 35.2 52.8#
 148 62.5 53.0 79.6





#69

Naphthalene

Concen: 4.542 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.01 min

Lab File: VU034818.D

Acq: 25 Sep 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

BFDM3

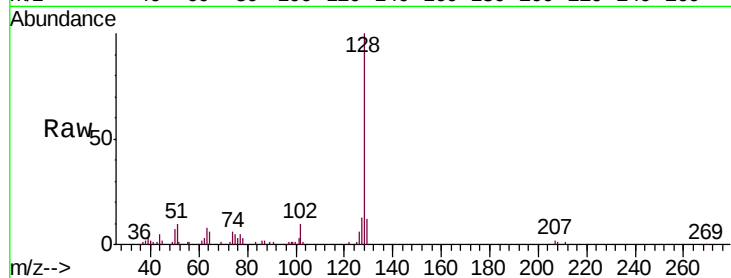
Tgt Ion:128 Resp: 54349

Ion Ratio Lower Upper

128 100

127 11.2 10.8 16.2

129 10.2 8.6 12.8



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

