

Data File : VU034823.D
Acq On : 25 Sep 2019 23:28
Operator : JC/SP
Sample : K4983-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDM8

Quant Time: Sep 26 07:02:41 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	430627	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	405958	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	190312	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	184394	41.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.66%
7) Chloroethane-d5	1.67	69	168010	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.62%
11) 1,1-Dichloroethene-d2	2.26	63	253532	33.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.92%
21) 2-Butanone-d5	4.15	46	443139	131.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.15%#
24) Chloroform-d	4.85	84	295	0.05	ug/L	0.23
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.10%#
26) 1,2-Dichloroethane-d4	5.29	65	226452	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.14%
32) Benzene-d6	5.32	84	694669	55.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.42%
36) 1,2-Dichloropropane-d6	6.31	67	241277	54.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.72%
41) Toluene-d8	7.54	98	660534	55.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.36%
43) trans-1,3-Dichloropropene-	7.83	79	105154	49.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.84%
47) 2-Hexanone-d5	8.29	63	301484	136.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	136.49%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	339400	55.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.24%
64) 1,2-Dichlorobenzene-d4	11.84	152	240490	60.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	120.52%#

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.26	96	2235	0.793 ug/L #	1
13) Acetone	2.31	43	162996	41.472 ug/L	95
16) Methylene chloride	2.68	84	48544	13.602 ug/L	94
22) 2-Butanone	4.25	43	53713	11.487 ug/L	80
33) Benzene	5.37	78	82290	5.845 ug/L	100
34) Trichloroethene	6.17	95	6125	1.761 ug/L	90
40) 4-Methyl-2-pentanone	7.40	43	72949	9.114 ug/L #	59
42) Toluene	7.62	91	127767	8.397 ug/L	97
44) trans-1,3-Dichloropropene	7.83	75	5784	1.019 ug/L	93
48) 2-Hexanone	8.29	43	113511	18.158 ug/L #	54
51) Chlorobenzene	9.10	112	25928	2.803 ug/L	99
52) Ethylbenzene	9.23	91	121219	7.074 ug/L	99
53) m,p-Xylene	9.35	106	86646	14.277 ug/L	92
54) o-xylene	9.76	106	67984	11.325 ug/L	92
56) Isopropylbenzene	10.15	105	47200	2.916 ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	9402	1.400 ug/L	92
65) 1,2-Dichlorobenzene	11.86	146	63992	9.610 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

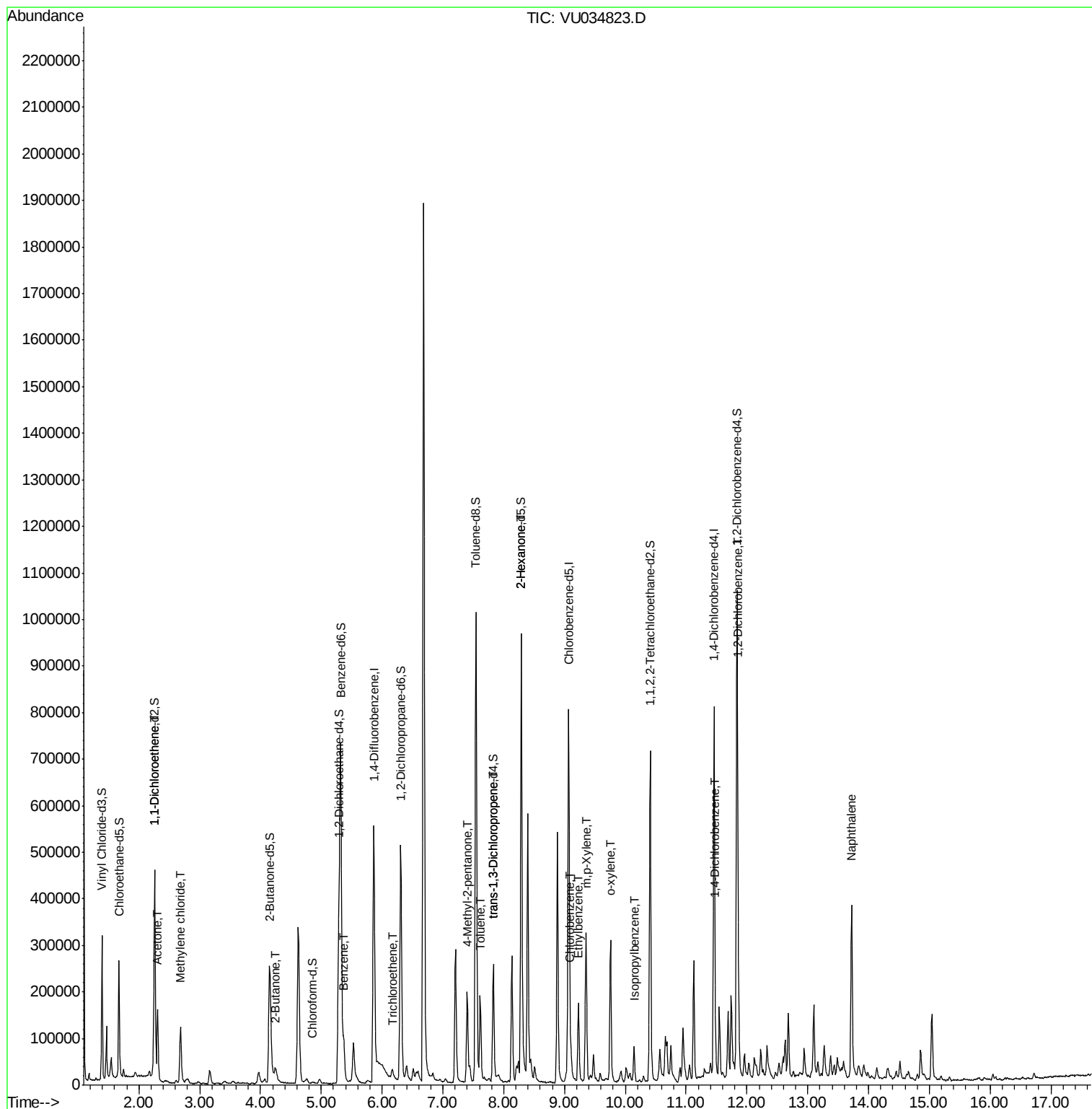
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	13.72	128	292143	24.302	ug/L	99
-----	-----	-----	-----	-----	-----	-----

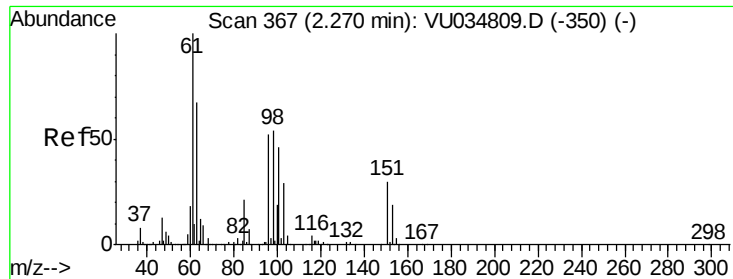
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
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#12

1,1-Dichloroethene

Concen: 0.793 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Instrument :

MSVOA_U

ClientSampleId :

BFDM8

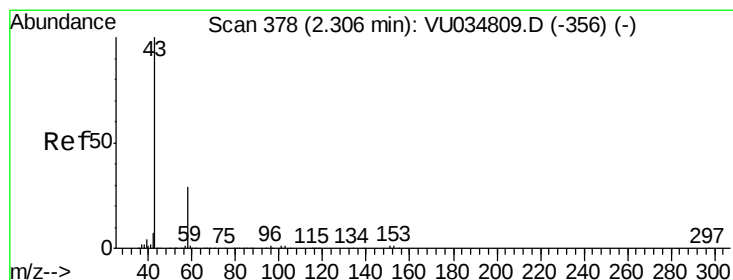
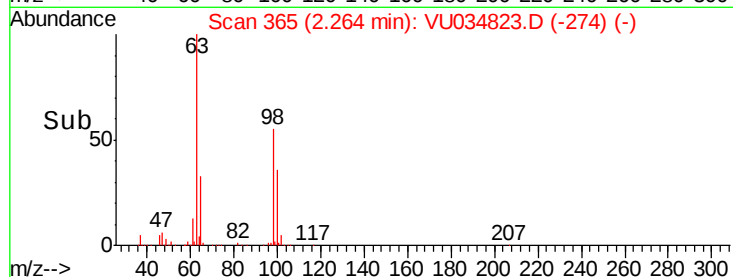
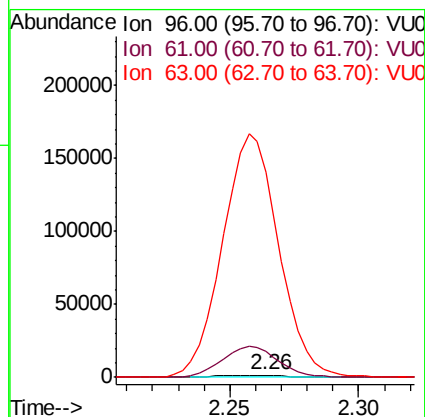
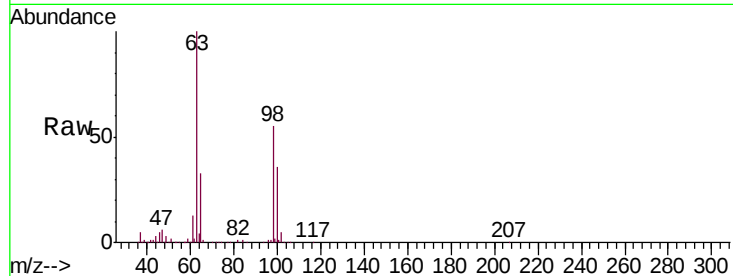
Tgt Ion: 96 Resp: 2235

Ion Ratio Lower Upper

96 100

61 1492.4 153.2 284.4#

63 11646.5 113.8 211.3#



#13

Acetone

Concen: 41.472 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034823.D

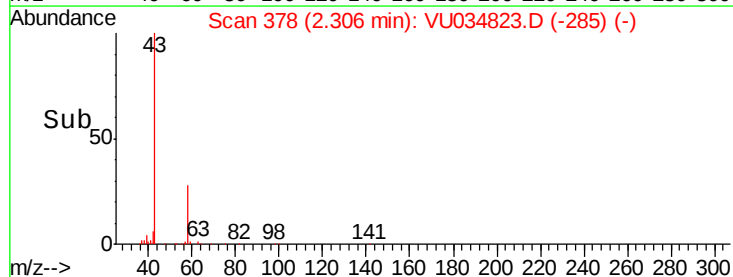
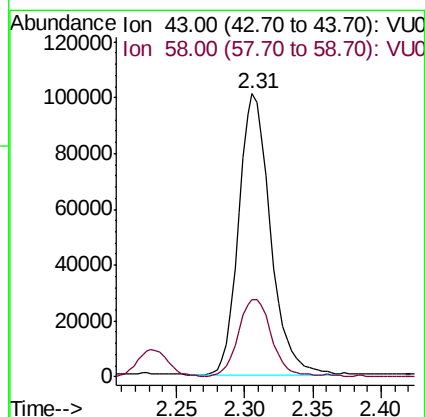
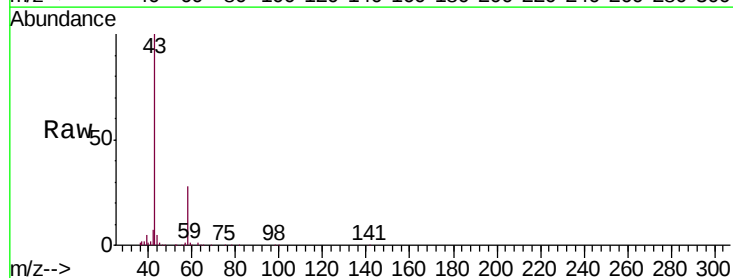
Acq: 25 Sep 2019 23:28

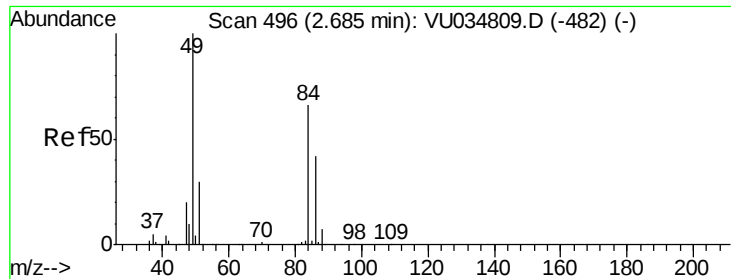
Tgt Ion: 43 Resp: 162996

Ion Ratio Lower Upper

43 100

58 29.1 0.0 53.4

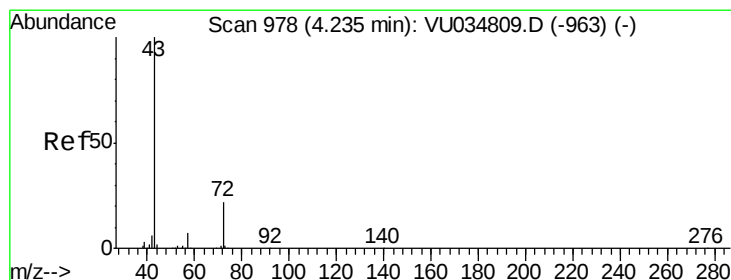
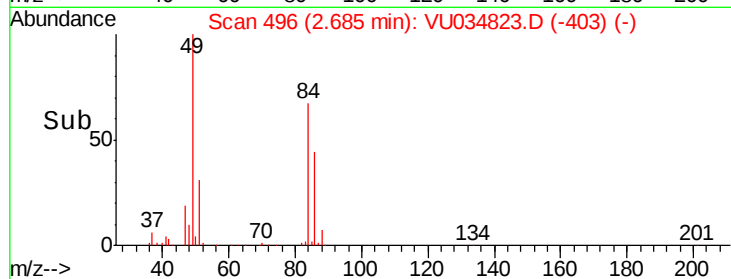
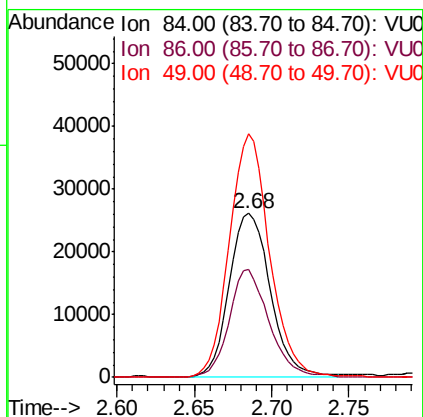
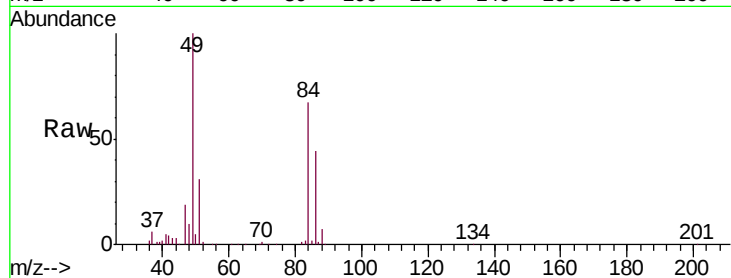




#16
Methylene chloride
Concen: 13.602 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034823.D
Acq: 25 Sep 2019 23:28

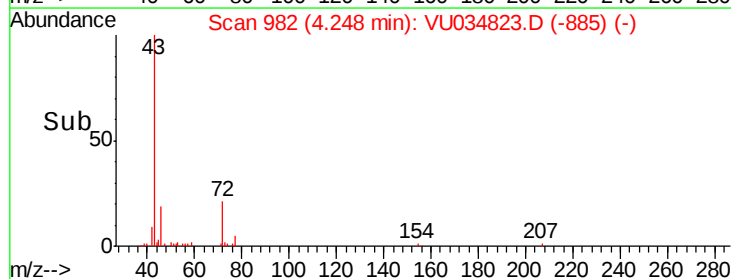
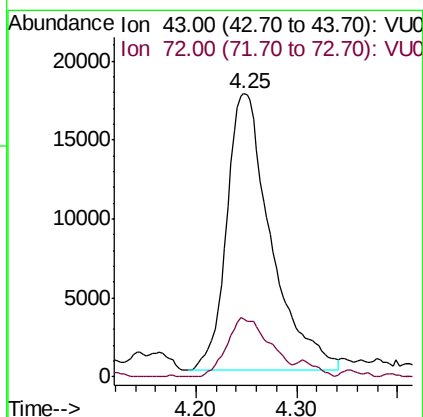
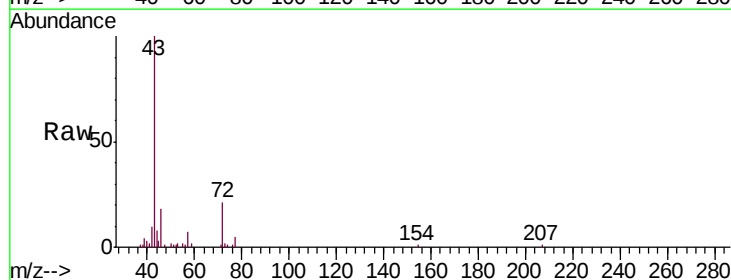
Instrument :
MSVOA_U
ClientSampleId :
BFDM8

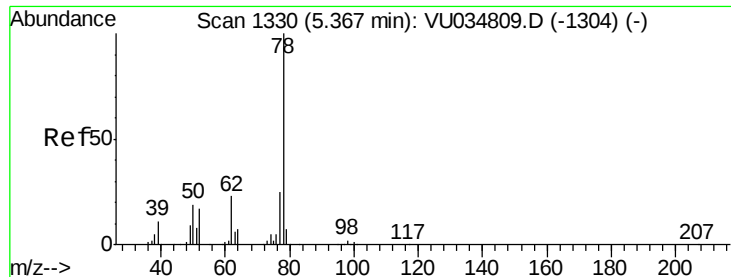
Tgt Ion: 84 Resp: 48544
Ion Ratio Lower Upper
84 100
86 65.5 43.0 80.0
49 148.5 109.7 203.7



#22
2-Butanone
Concen: 11.487 ug/L
RT: 4.25 min Scan# 982
Delta R.T. 0.01 min
Lab File: VU034823.D
Acq: 25 Sep 2019 23:28

Tgt Ion: 43 Resp: 53713
Ion Ratio Lower Upper
43 100
72 11.3 10.2 30.6

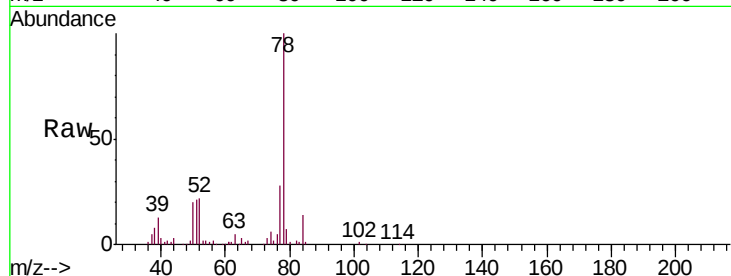




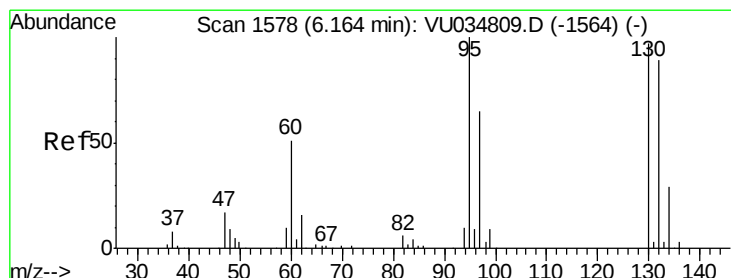
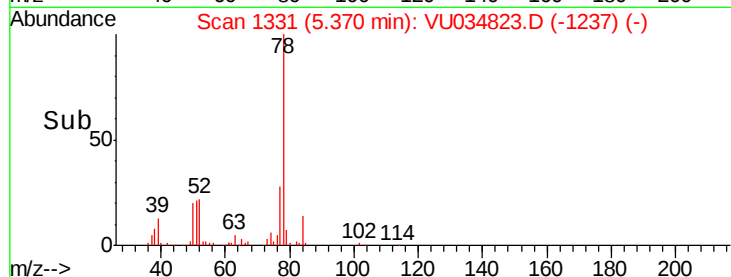
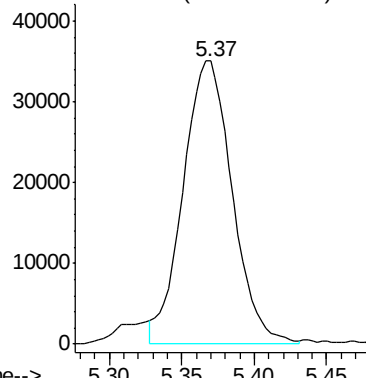
#33
Benzene
Concen: 5.845 ug/L
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034823.D
Acq: 25 Sep 2019 23:28

Instrument :
MSVOA_U
ClientSampleId :
BFDM8

Tgt Ion: 78 Resp: 82290



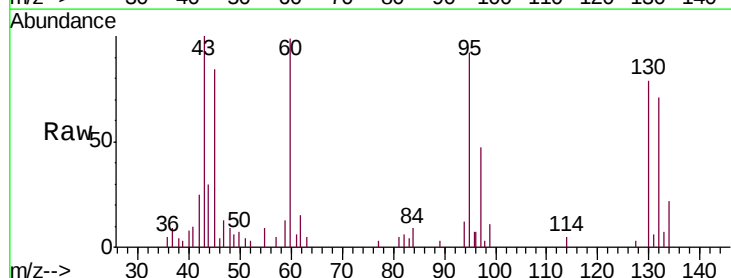
Abundance Ion 78.00 (77.70 to 78.70): VU0



#34
Trichloroethene
Concen: 1.761 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VU034823.D
Acq: 25 Sep 2019 23:28

Tgt Ion: 95 Resp: 6125

Ion	Ratio	Lower	Upper
95	100		
97	51.5	43.7	81.1
132	77.8	61.0	113.2
130	86.2	65.7	121.9

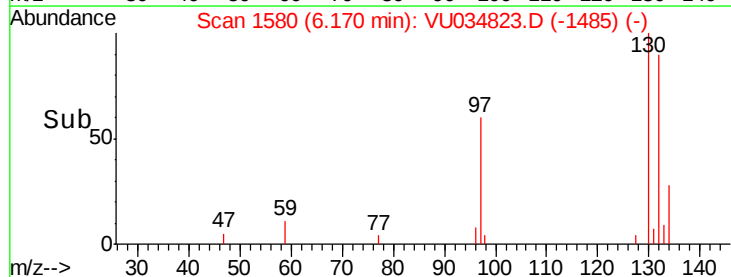
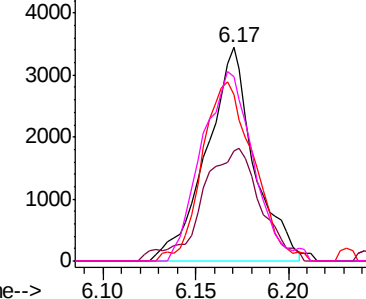


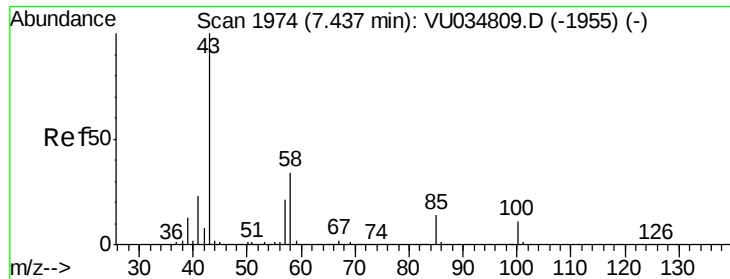
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

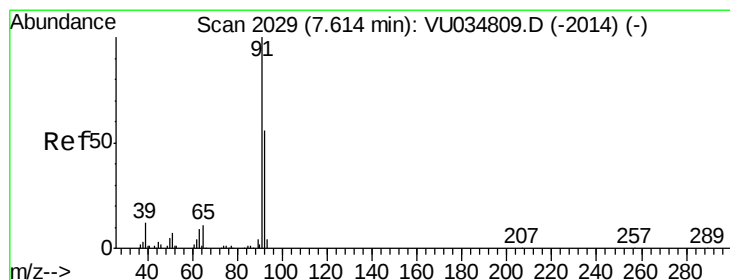
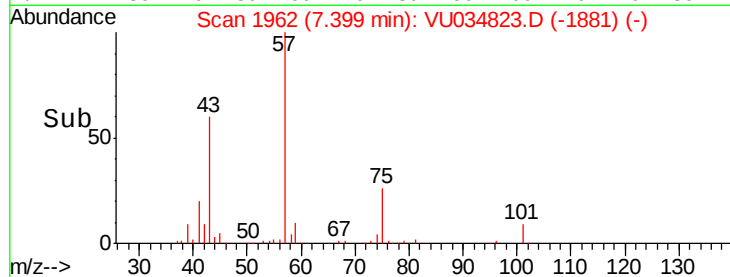
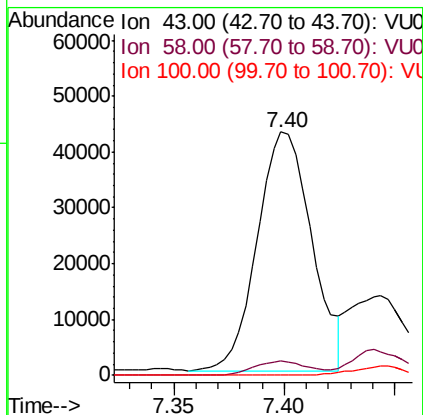
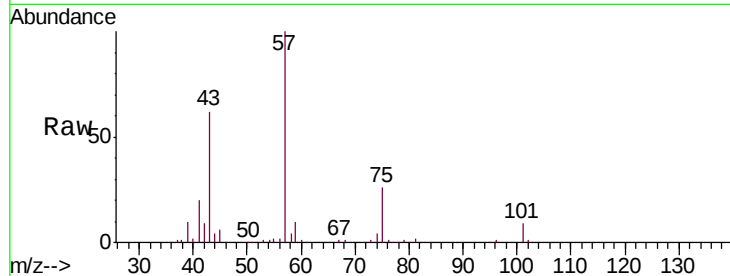




#40
 4-Methyl-2-pentanone
 Concen: 9.114 ug/L
 RT: 7.40 min Scan# 1962
 Delta R.T. -0.04 min
 Lab File: VU034823.D
 Acq: 25 Sep 2019 23:28

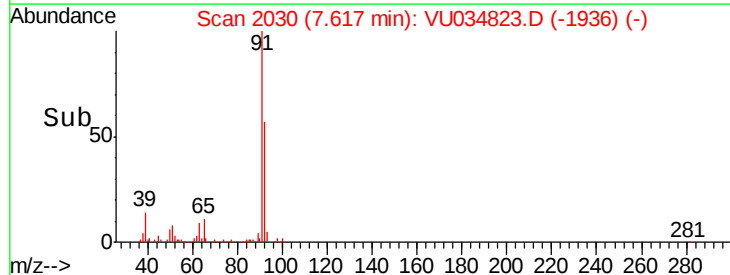
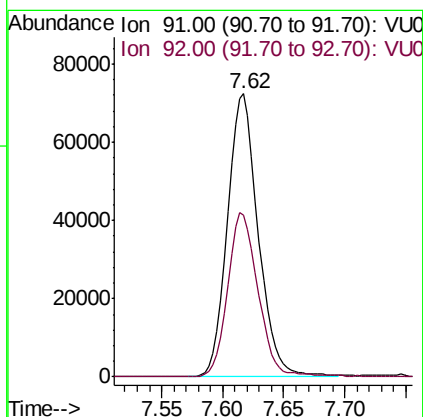
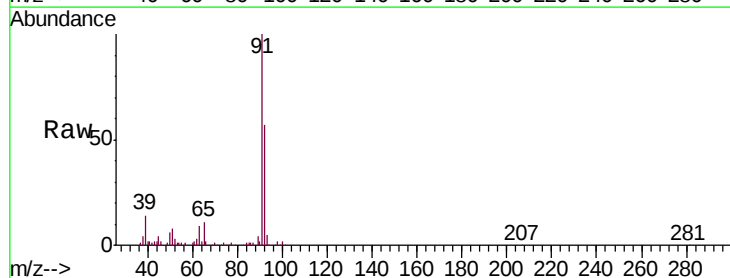
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDMS

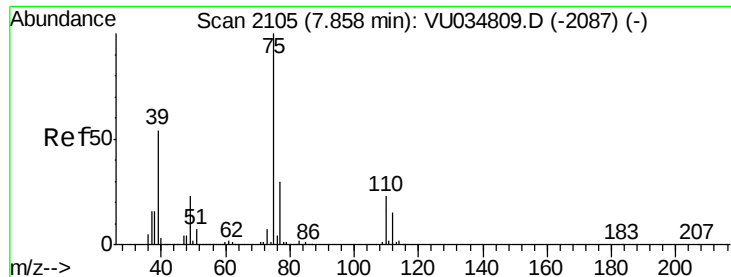
Tgt Ion: 43 Resp: 72949
 Ion Ratio Lower Upper
 43 100
 58 6.0 25.2 37.8#
 100 0.1 7.7 11.5#



#42
 Toluene
 Concen: 8.397 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034823.D
 Acq: 25 Sep 2019 23:28

Tgt Ion: 91 Resp: 127767
 Ion Ratio Lower Upper
 91 100
 92 57.1 38.2 71.0





#44

trans-1,3-Dichloropropene

Concen: 1.019 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Instrument :

MSVOA_U

ClientSampleId :

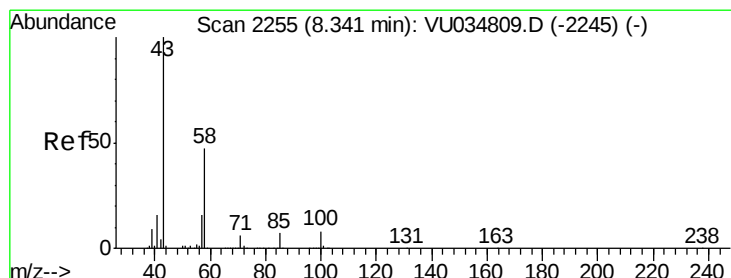
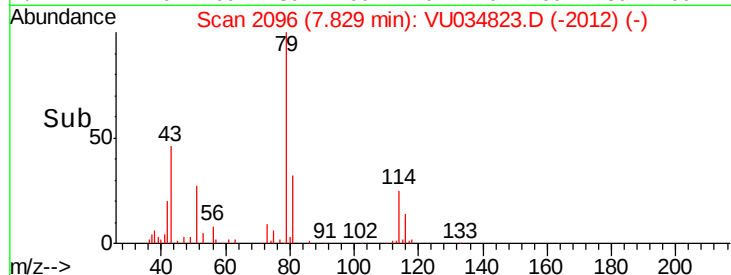
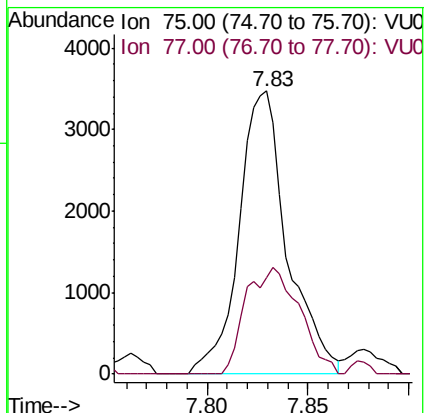
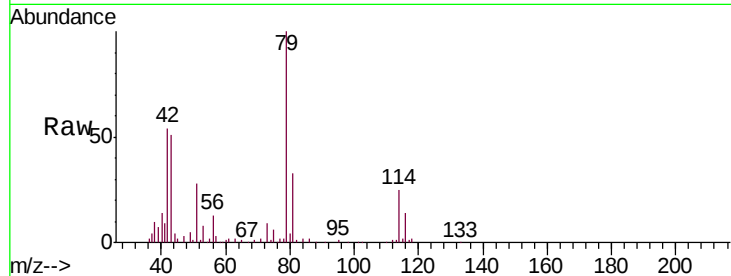
BFDM8

Tgt Ion: 75 Resp: 5784

Ion Ratio Lower Upper

75 100

77 34.2 21.4 39.8



#48

2-Hexanone

Concen: 18.158 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.05 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Tgt Ion: 43 Resp: 113511

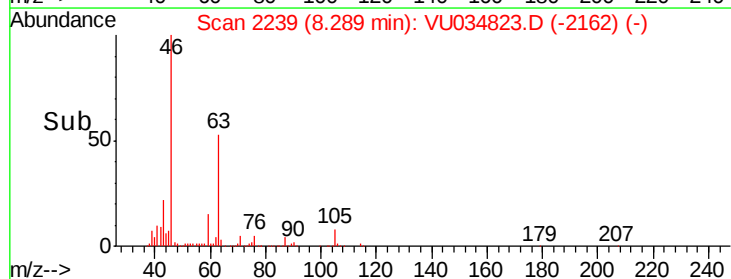
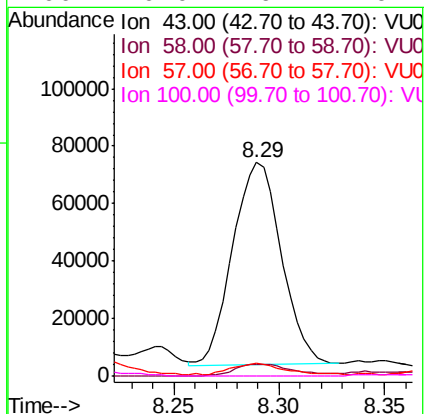
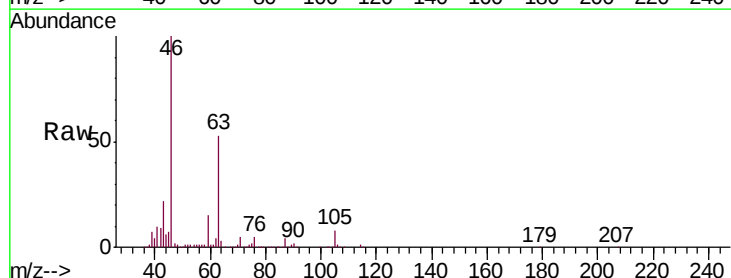
Ion Ratio Lower Upper

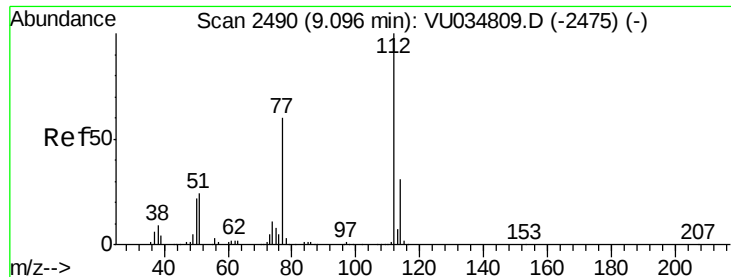
43 100

58 6.9 35.3 52.9#

57 5.4 12.1 18.1#

100 0.0 6.2 9.4#

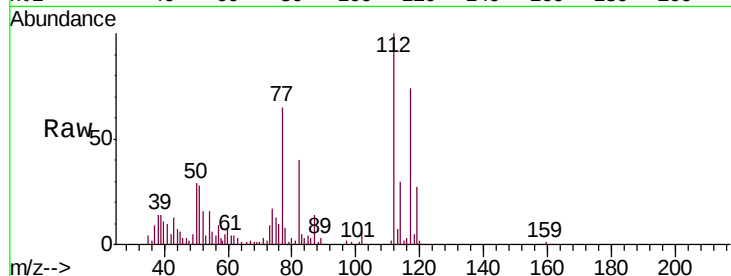




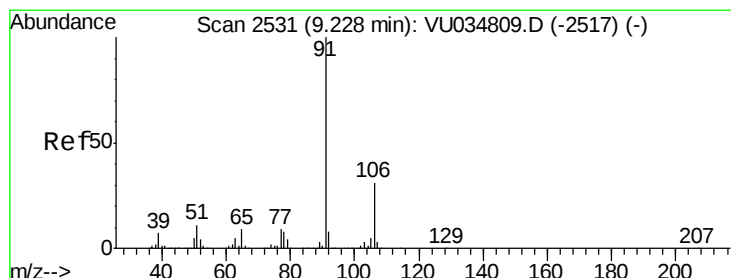
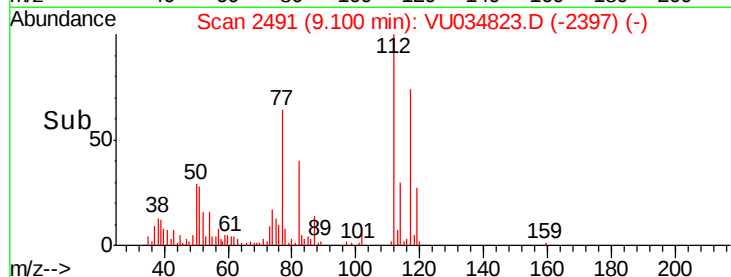
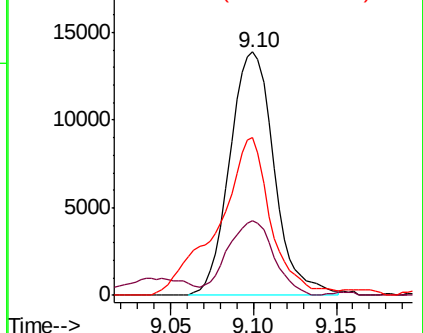
#51
Chlorobenzene
Concen: 2.803 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034823.D
Acq: 25 Sep 2019 23:28

Instrument :
MSVOA_U
ClientSampleId :
BFDM8

Tgt Ion: 112 Resp: 25928
Ion Ratio Lower Upper
112 100
114 30.5 22.8 42.4
77 64.6 51.5 77.3

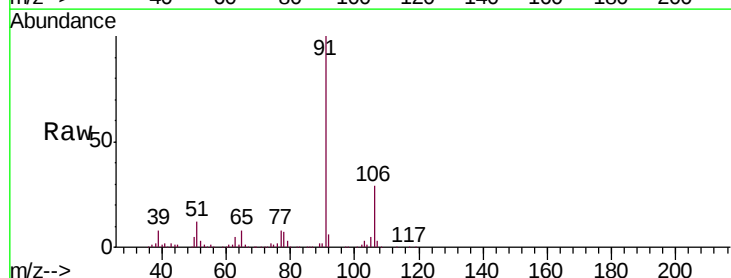


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

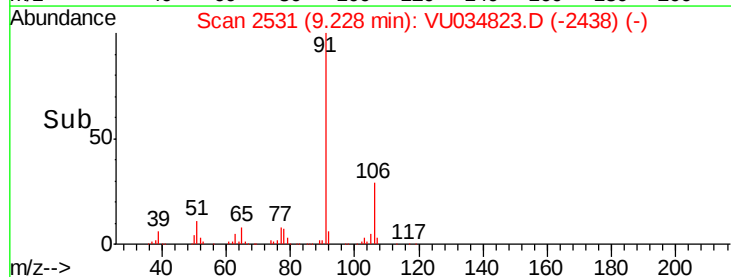
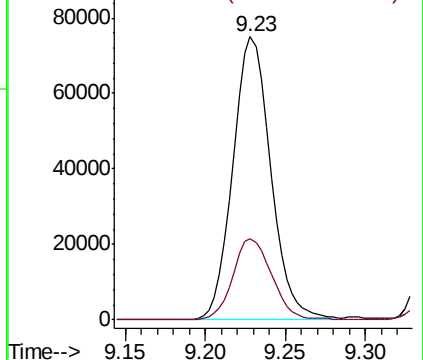


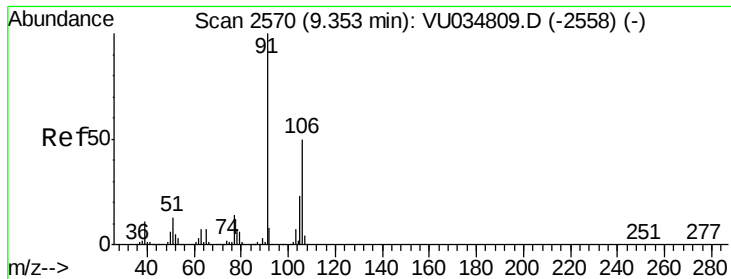
#52
Ethylbenzene
Concen: 7.074 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034823.D
Acq: 25 Sep 2019 23:28

Tgt Ion: 91 Resp: 121219
Ion Ratio Lower Upper
91 100
106 28.7 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 14.277 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Instrument :

MSVOA_U

ClientSampleId :

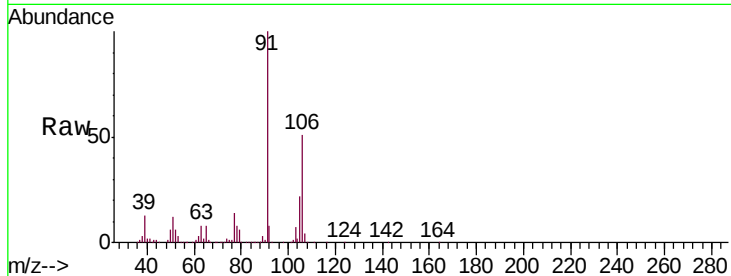
BFDM8

Tgt Ion:106 Resp: 86646

Ion Ratio Lower Upper

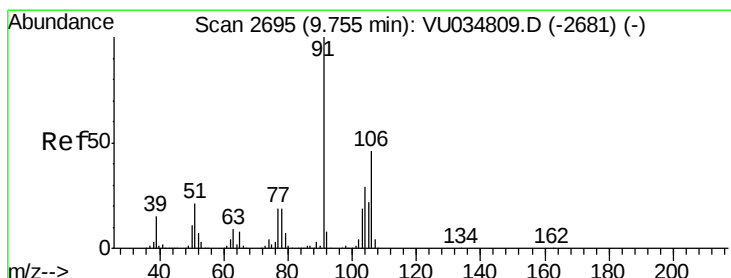
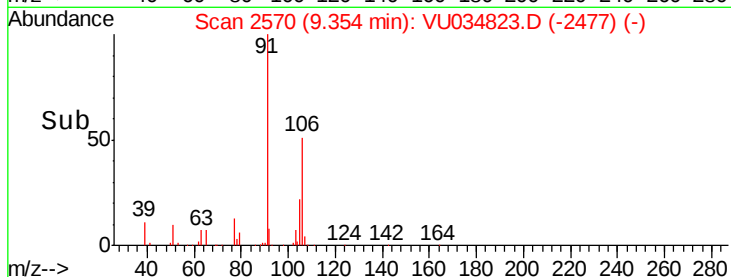
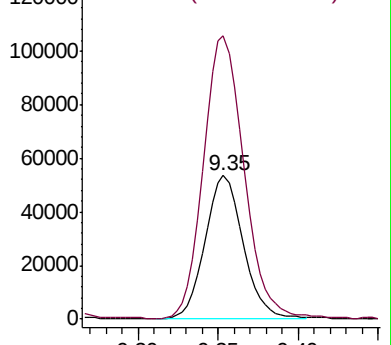
106 100

91 197.3 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 11.325 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034823.D

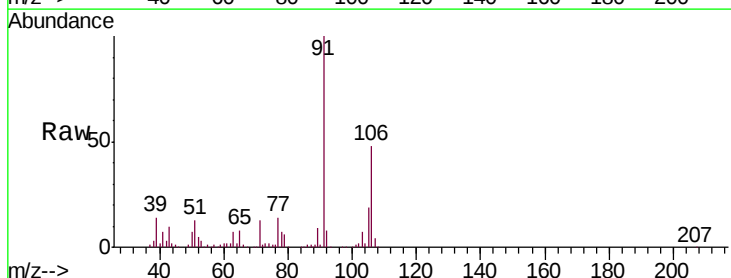
Acq: 25 Sep 2019 23:28

Tgt Ion:106 Resp: 67984

Ion Ratio Lower Upper

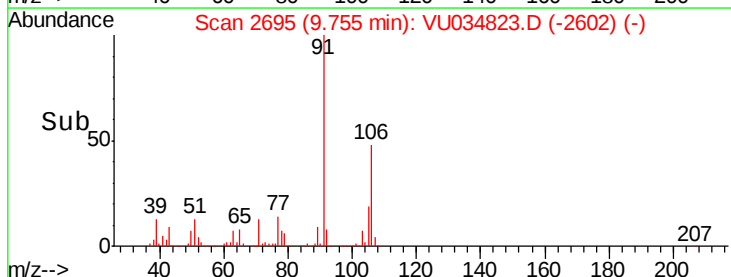
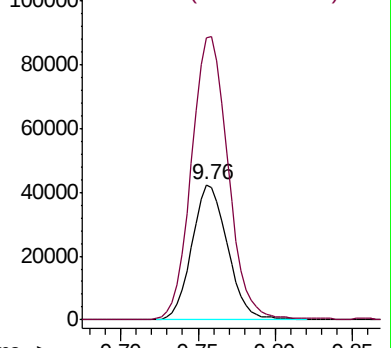
106 100

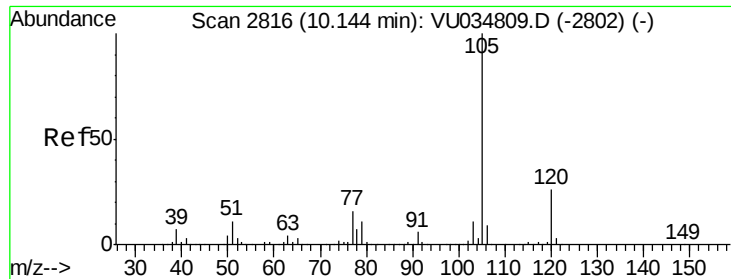
91 209.4 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 2.916 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Instrument :

MSVOA_U

ClientSampleId :

BFDM8

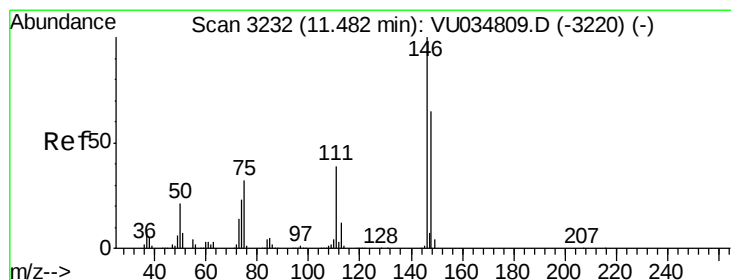
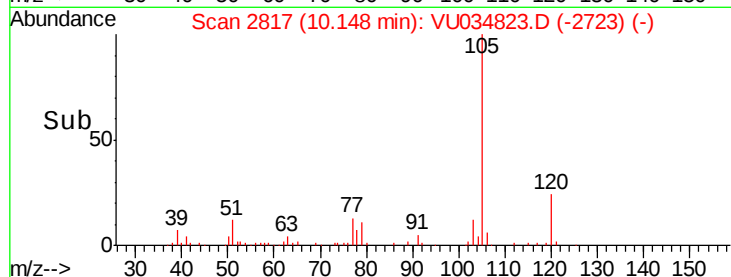
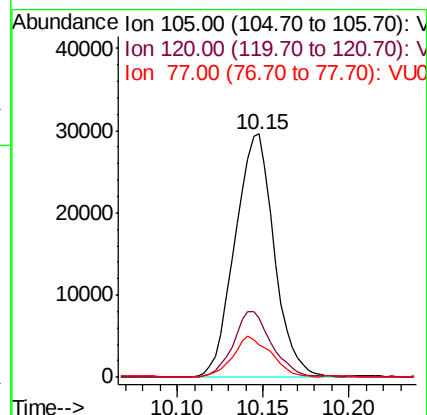
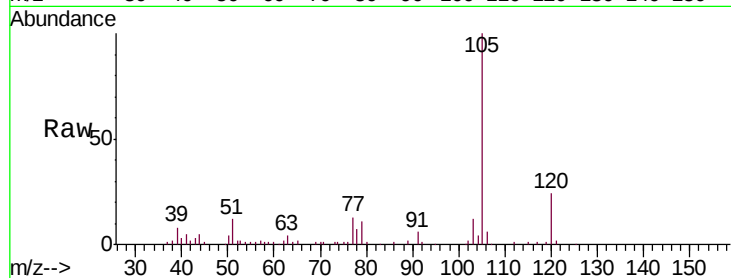
Tgt Ion:105 Resp: 47200

Ion Ratio Lower Upper

105 100

120 26.4 20.4 30.6

77 16.6 14.2 21.4



#63

1,4-Dichlorobenzene

Concen: 1.400 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

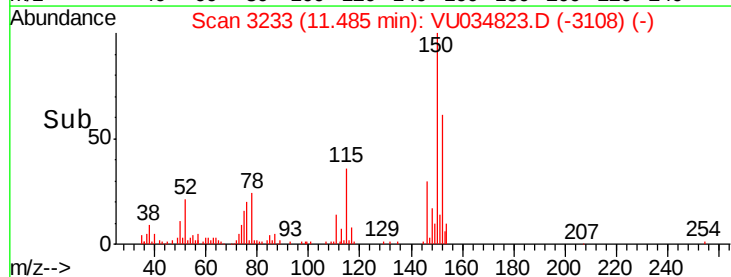
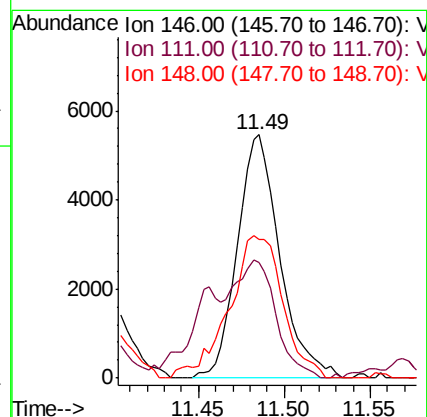
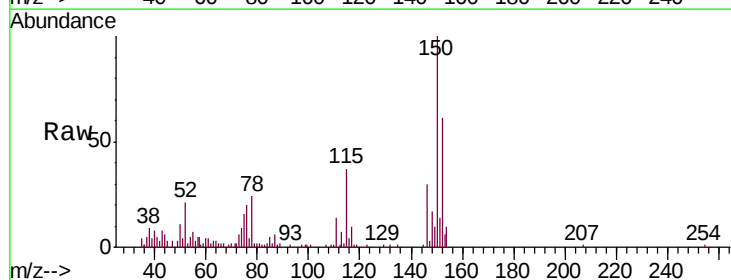
Tgt Ion:146 Resp: 9402

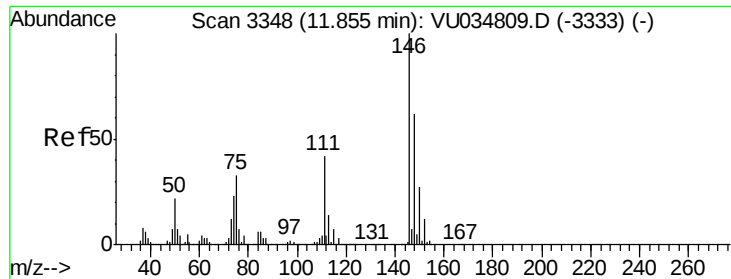
Ion Ratio Lower Upper

146 100

111 47.3 29.5 54.9

148 57.0 44.4 82.4

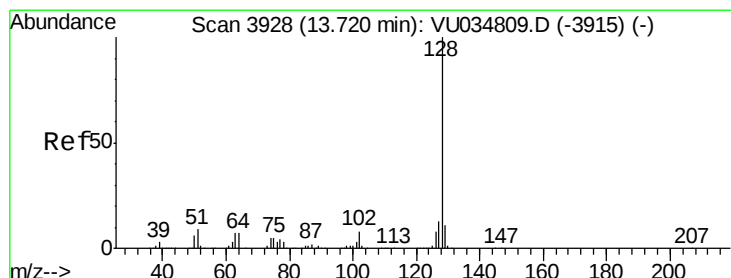
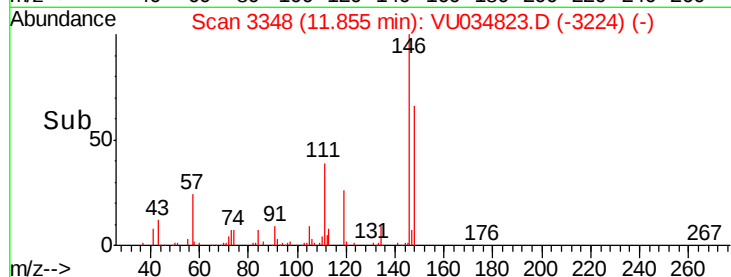
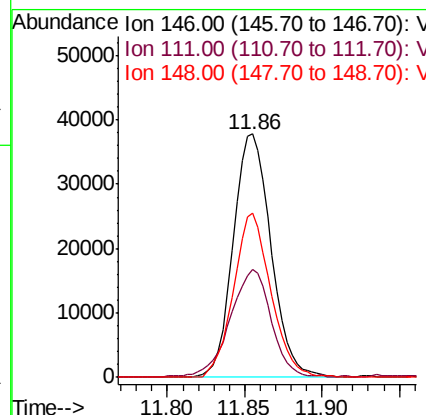
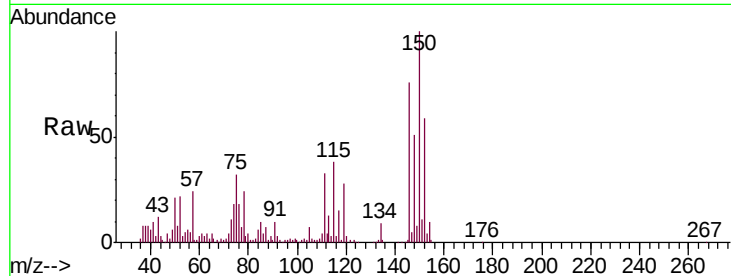




#65
 1,2-Dichlorobenzene
 Concen: 9.610 ug/L
 RT: 11.86 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034823.D
 Acq: 25 Sep 2019 23:28

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDM8

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	35.2	52.8
148	67.5	53.0	79.6



#69
 Naphthalene
 Concen: 24.302 ug/L
 RT: 13.72 min Scan# 3928
 Delta R.T. 0.00 min
 Lab File: VU034823.D
 Acq: 25 Sep 2019 23:28

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	11.4	8.6	12.8

