

Data File : VU034906.D
Acq On : 01 Oct 2019 22:28
Operator : JC/SP
Sample : K5028-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDM9

Quant Time: Oct 02 01:57:11 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	351341	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	343860	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	151695	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	100598	40.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.70%
7) Chloroethane-d5	1.67	69	90006	43.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.02%
11) 1,1-Dichloroethene-d2	2.26	63	153464	34.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.92%
21) 2-Butanone-d5	4.15	46	280281	116.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.65%
24) Chloroform-d	4.62	84	226612	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.84%
26) 1,2-Dichloroethane-d4	5.29	65	164882	46.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.98%
32) Benzene-d6	5.32	84	439101	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.84%
36) 1,2-Dichloropropane-d6	6.31	67	156479	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.24%
41) Toluene-d8	7.54	98	405504	46.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.08%
43) trans-1,3-Dichloropropene-	7.83	79	66461	46.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.26%
47) 2-Hexanone-d5	8.29	63	186706	121.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.20%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	226122	49.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.38%
64) 1,2-Dichlorobenzene-d4	11.84	152	149535	49.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.08%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1263	0.761	ug/L #	21
13) Acetone	2.31	43	44536	23.320	ug/L	99
16) Methylene chloride	2.69	84	31691	16.465	ug/L	97
22) 2-Butanone	4.25	43	11781	4.750	ug/L	97
29) Cyclohexane	4.97	56	4448	1.783	ug/L	99
33) Benzene	5.37	78	79706	10.868	ug/L	100
35) Methylcyclohexane	6.39	83	3307	1.438	ug/L	98
39) cis-1,3-Dichloropropene	7.20	75	4679	1.339	ug/L #	62
40) 4-Methyl-2-pentanone	7.40	43	61979	12.324	ug/L #	55
42) Toluene	7.62	91	20782	2.634	ug/L	93
44) trans-1,3-Dichloropropene	7.83	75	3624	1.137	ug/L	89
48) 2-Hexanone	8.40	43	67904	17.792	ug/L #	1
51) Chlorobenzene	9.10	112	36694	6.862	ug/L	97
52) Ethylbenzene	9.23	91	37903	4.092	ug/L	99
53) m,p-Xylene	9.36	106	27393	8.464	ug/L	97
54) o-xylene	9.76	106	92705	27.160	ug/L	100
56) Isopropylbenzene	10.14	105	11673	1.224	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Quantitation Report (Not Reviewed)

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QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration

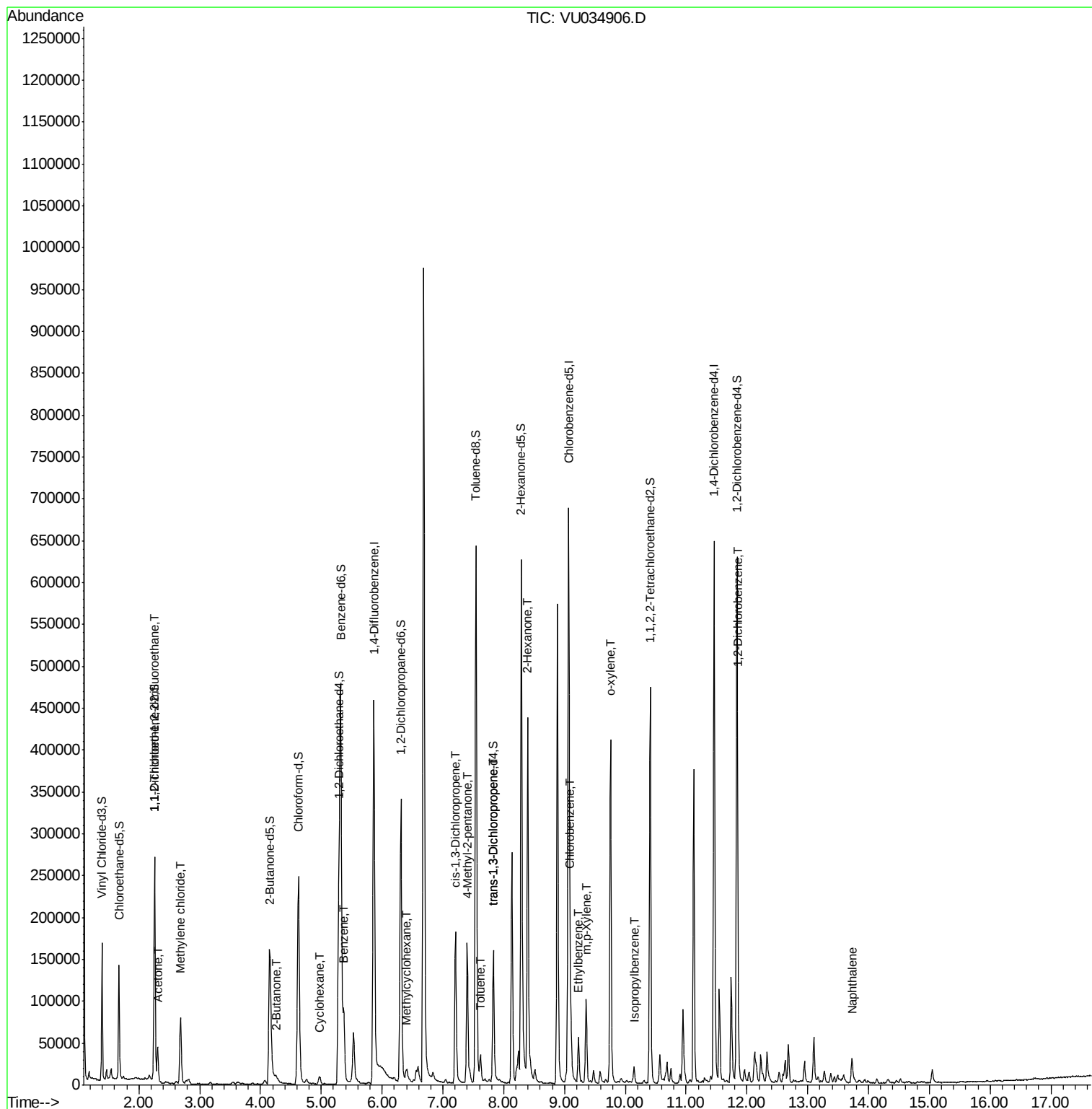
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.86	146	3897	0.885	ug/L #	84
69) Naphthalene	13.73	128	27678	3.773	ug/L	97

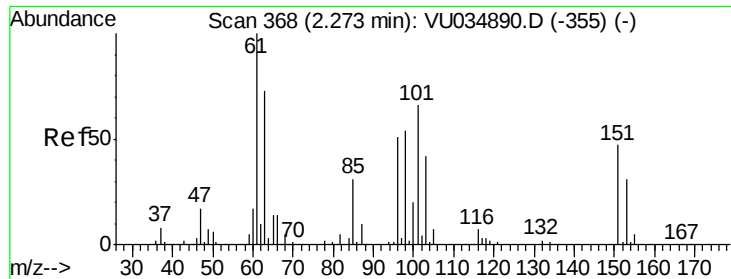
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration





#10

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

Concen: 0.761 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU034906.D

Acq: 01 Oct 2019 22:28

Instrument :

MSVOA_U

ClientSampled :

BFDM9

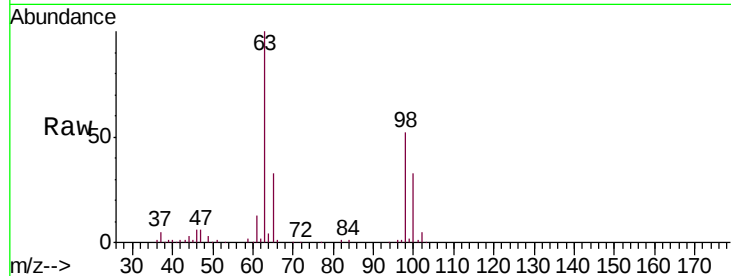
Tgt Ion:101 Resp: 1263

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

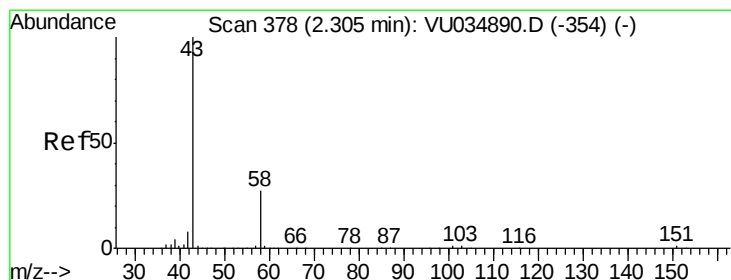
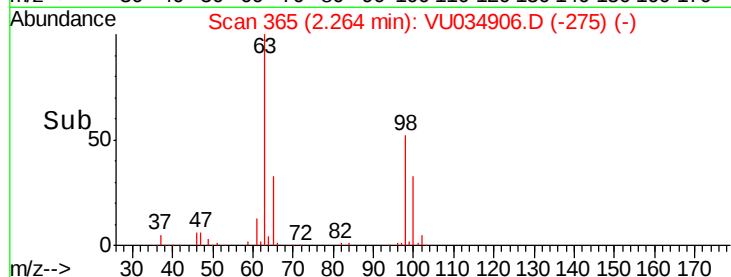
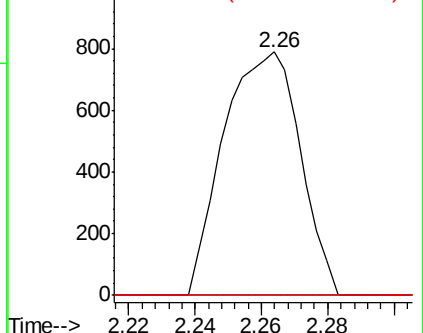
151 0.0 56.0 84.0#



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



#13

Acetone

Concen: 23.320 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034906.D

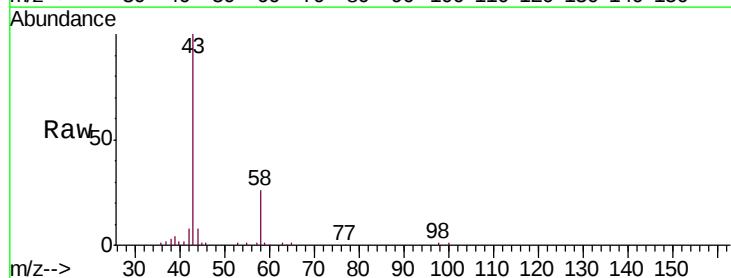
Acq: 01 Oct 2019 22:28

Tgt Ion: 43 Resp: 44536

Ion Ratio Lower Upper

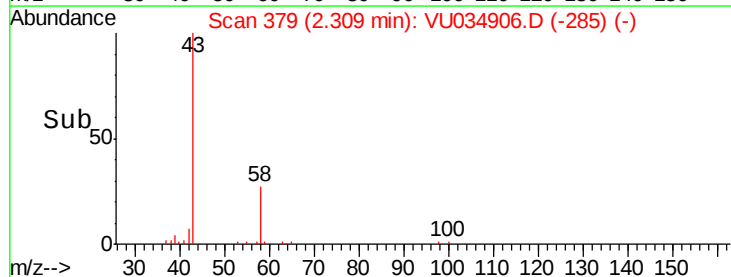
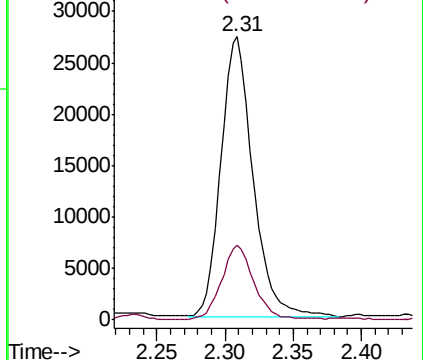
43 100

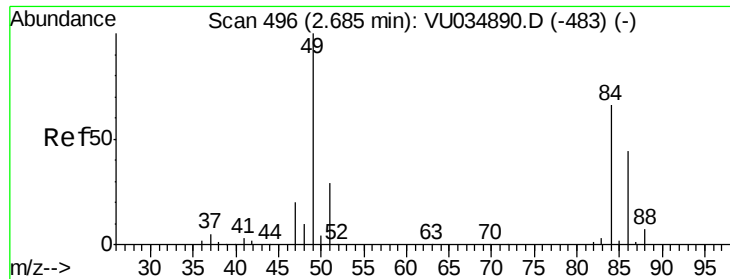
58 26.7 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

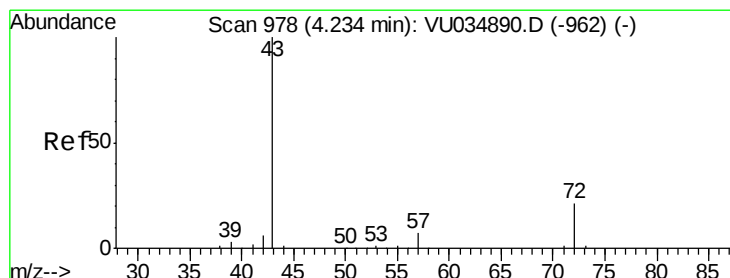
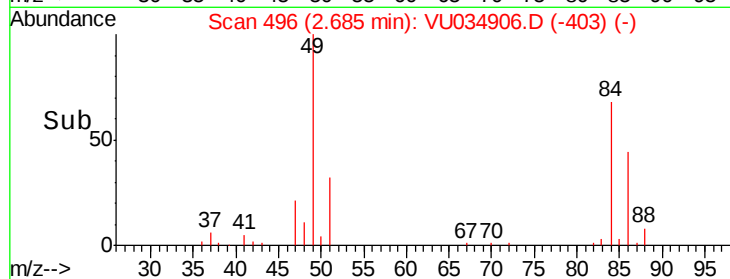
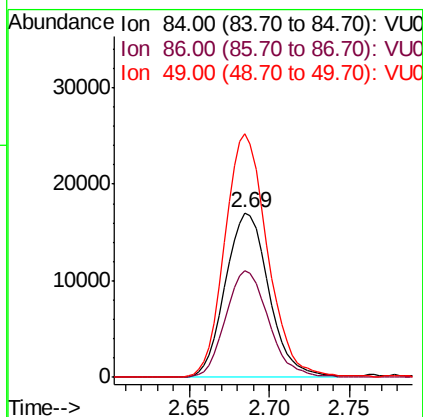
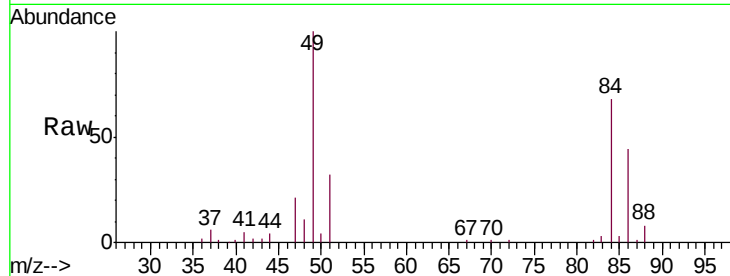




#16
Methylene chloride
Concen: 16.465 ug/L
RT: 2.69 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

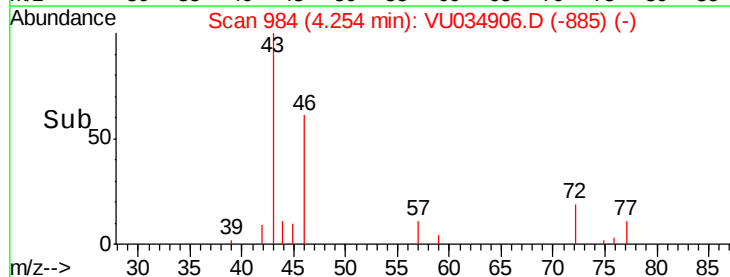
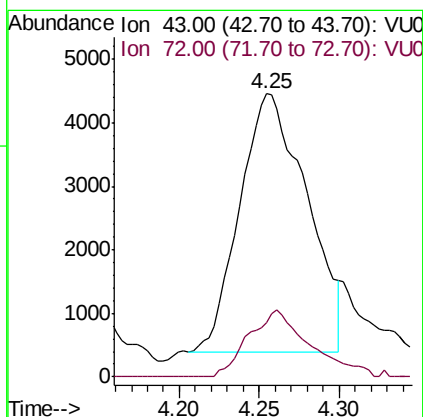
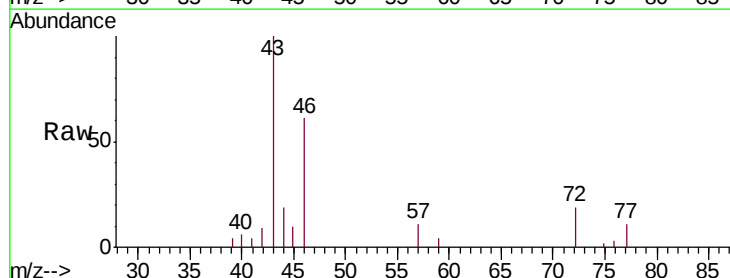
Instrument :
MSVOA_U
ClientSampleId :
BFDM9

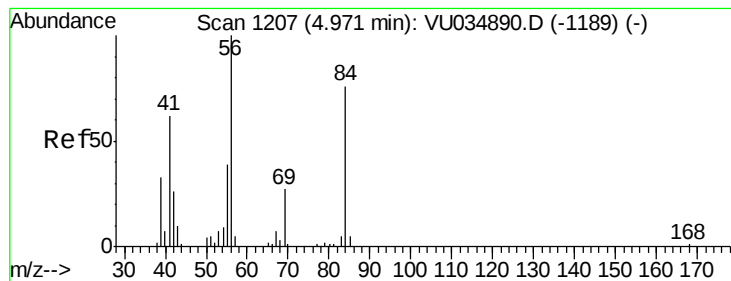
Tgt Ion: 84 Resp: 31691
Ion Ratio Lower Upper
84 100
86 64.7 44.7 82.9
49 147.8 100.7 186.9



#22
2-Butanone
Concen: 4.750 ug/L
RT: 4.25 min Scan# 984
Delta R.T. 0.02 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Tgt Ion: 43 Resp: 11781
Ion Ratio Lower Upper
43 100
72 23.7 11.2 33.6





#29

Cyclohexane

Concen: 1.783 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU034906.D

Acq: 01 Oct 2019 22:28

Instrument :

MSVOA_U

ClientSampleId :

BFDM9

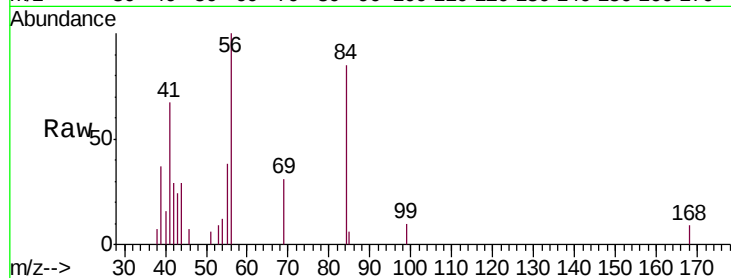
Tgt Ion: 56 Resp: 4448

Ion Ratio Lower Upper

56 100

69 28.4 22.6 33.8

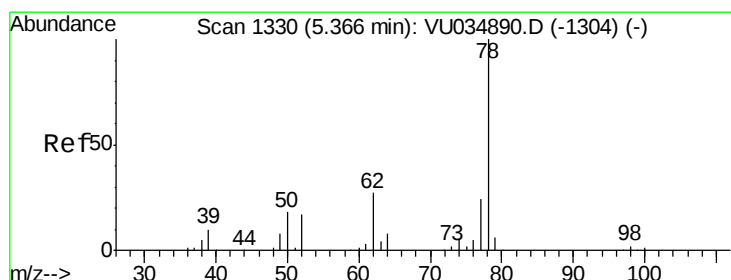
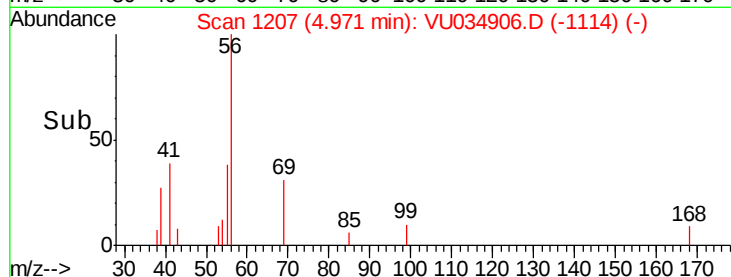
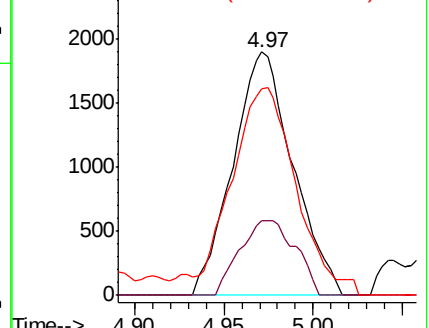
84 77.6 61.6 92.4



Abundance Ion 56.00 (55.70 to 56.70): VU034906.D (-1114) (-)

Ion 69.00 (68.70 to 69.70): VU034906.D (-1114) (-)

Ion 84.00 (83.70 to 84.70): VU034906.D (-1114) (-)



#33

Benzene

Concen: 10.868 ug/L

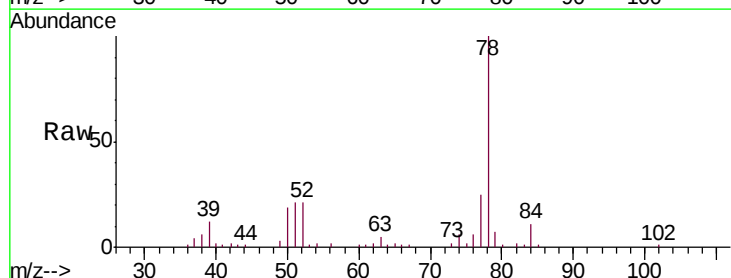
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

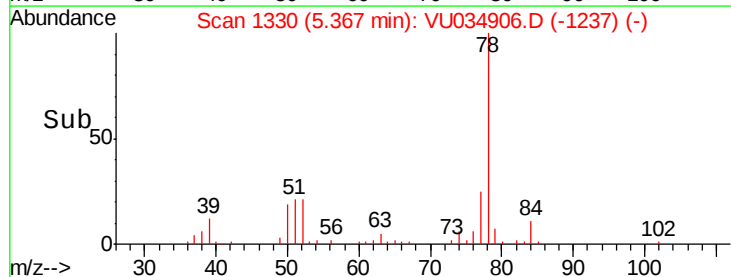
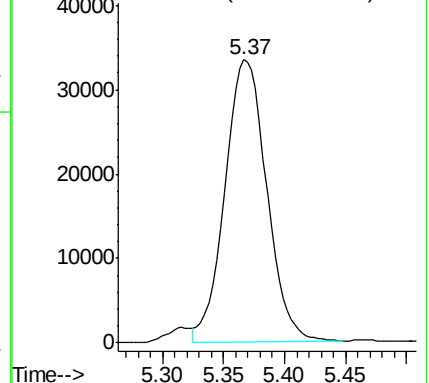
Lab File: VU034906.D

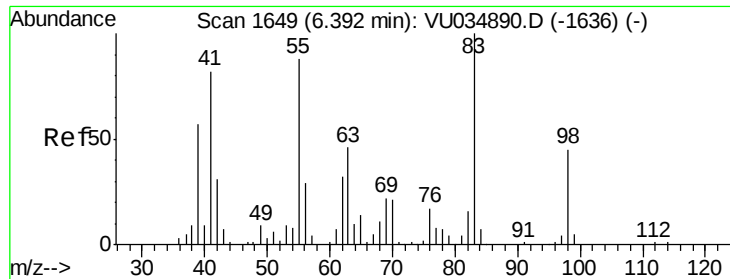
Acq: 01 Oct 2019 22:28

Tgt Ion: 78 Resp: 79706



Abundance Ion 78.00 (77.70 to 78.70): VU034906.D (-1237) (-)

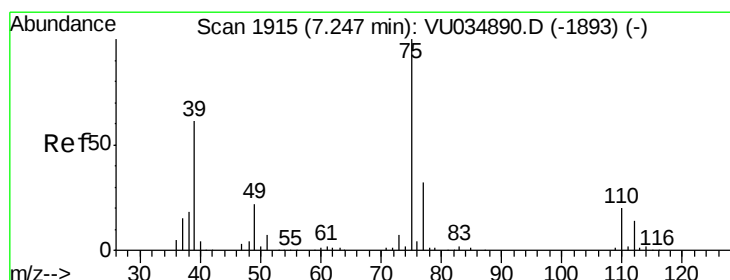
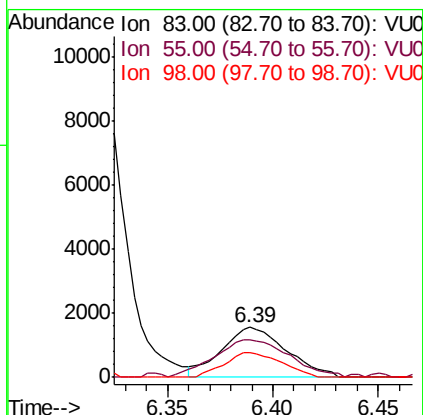
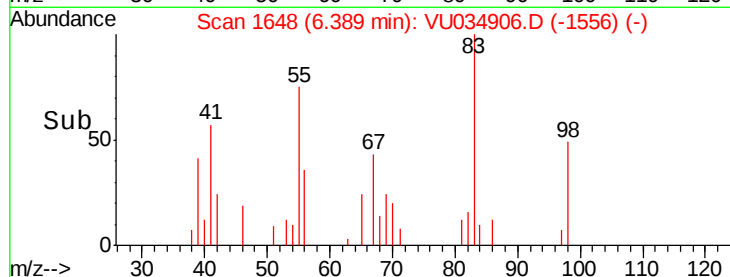
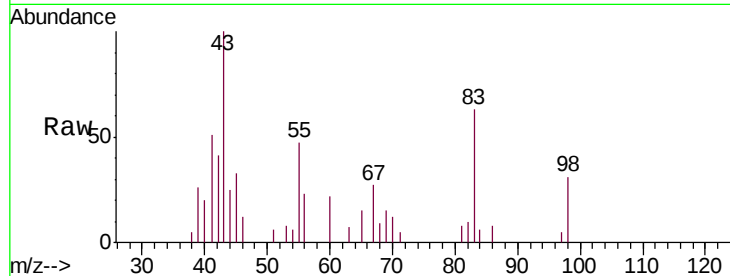




#35
Methylcyclohexane
Concen: 1.438 ug/L
RT: 6.39 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

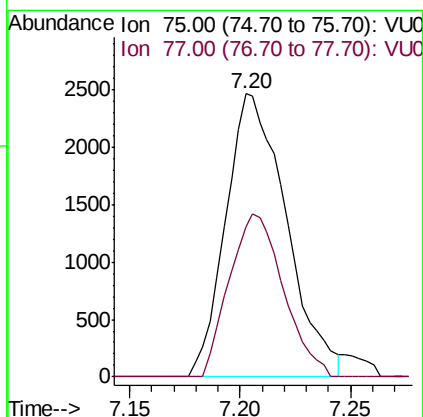
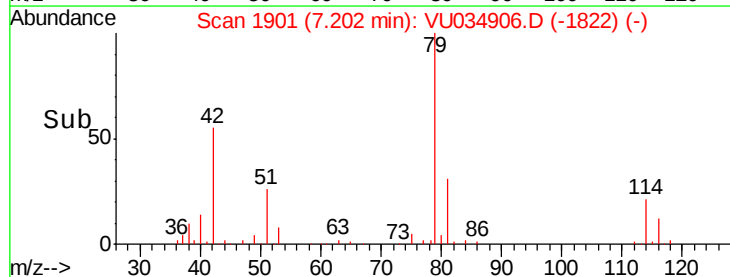
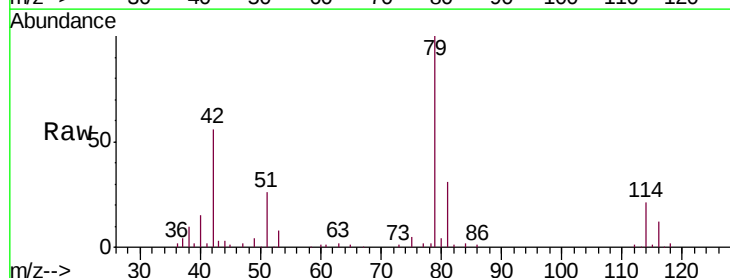
Instrument :
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ClientSampleId :
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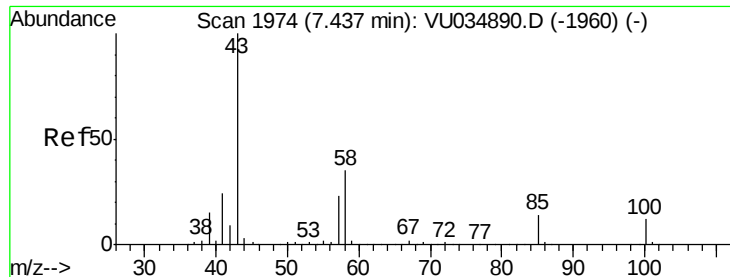
Tgt Ion: 83 Resp: 3307
Ion Ratio Lower Upper
83 100
55 88.4 68.4 102.6
98 43.8 35.3 52.9



#39
cis-1,3-Dichloropropene
Concen: 1.339 ug/L
RT: 7.20 min Scan# 1901
Delta R.T. -0.04 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Tgt Ion: 75 Resp: 4679
Ion Ratio Lower Upper
75 100
77 52.9 22.4 41.6#

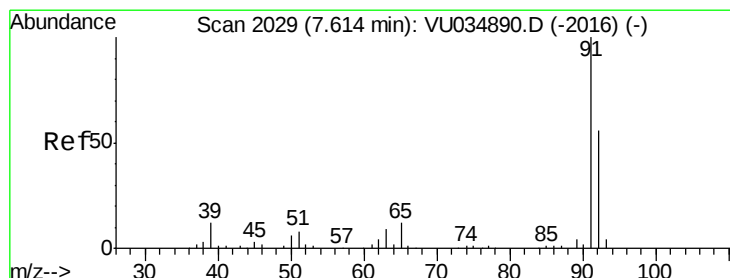
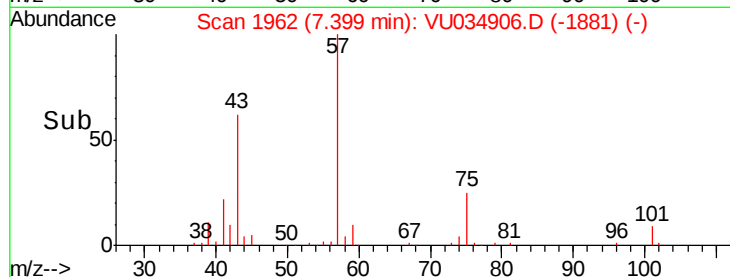
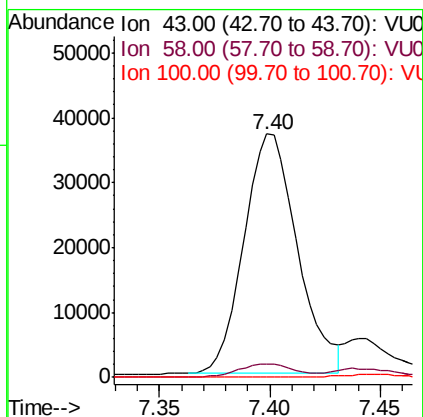
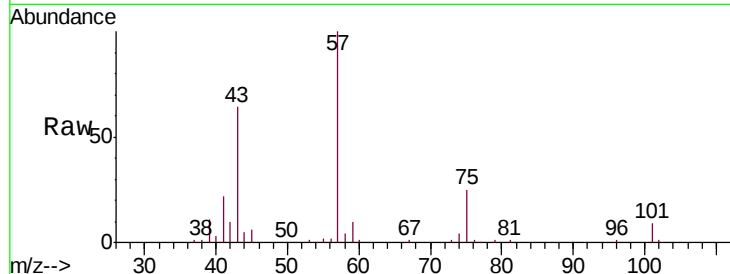




#40
4-Methyl-2-pentanone
Concen: 12.324 ug/L
RT: 7.40 min Scan# 1962
Delta R.T. -0.04 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

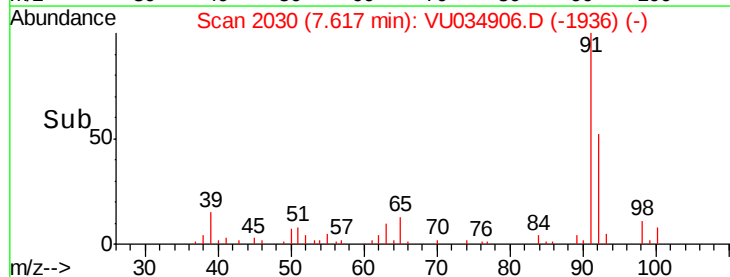
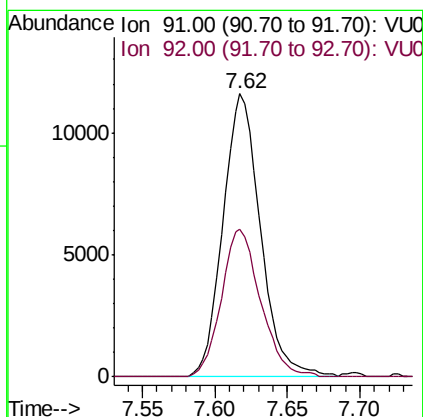
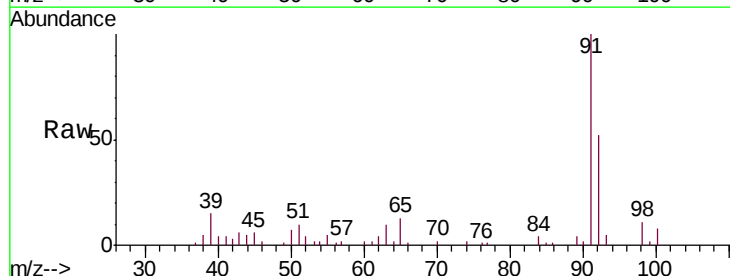
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ClientSampleId :
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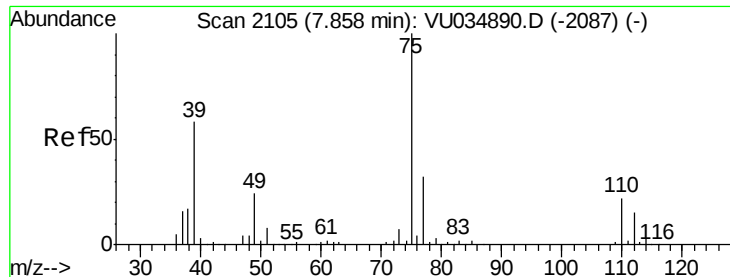
Tgt Ion: 43 Resp: 61979
Ion Ratio Lower Upper
43 100
58 5.9 27.5 41.3#
100 0.0 9.0 13.6#



#42
Toluene
Concen: 2.634 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Tgt Ion: 91 Resp: 20782
Ion Ratio Lower Upper
91 100
92 52.0 40.0 74.4





#44

trans-1,3-Dichloropropene

Concen: 1.137 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU034906.D

Acq: 01 Oct 2019 22:28

Instrument :

MSVOA_U

ClientSampleId :

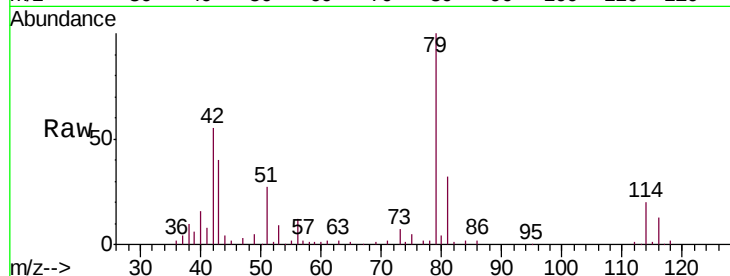
BFDM9

Tgt Ion: 75 Resp: 3624

Ion Ratio Lower Upper

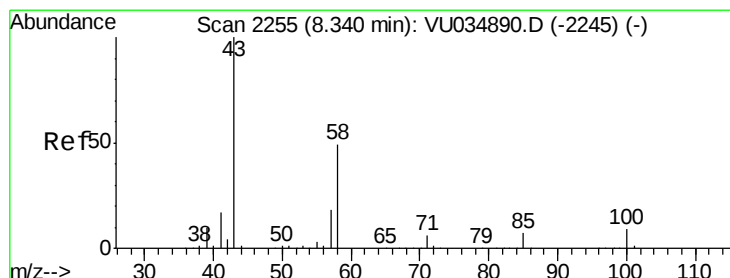
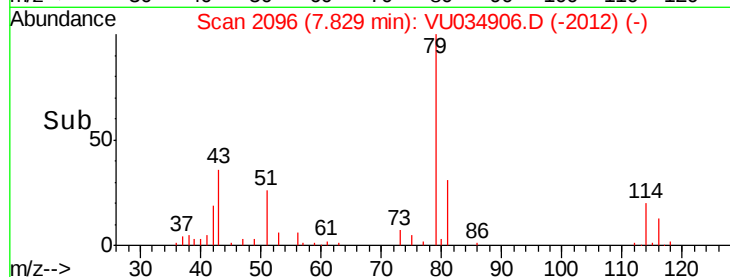
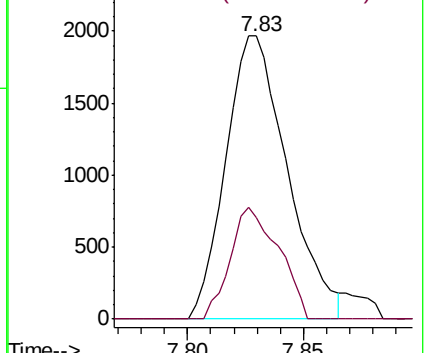
75 100

77 35.8 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) (-)



#48

2-Hexanone

Concen: 17.792 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.05 min

Lab File: VU034906.D

Acq: 01 Oct 2019 22:28

Tgt Ion: 43 Resp: 67904

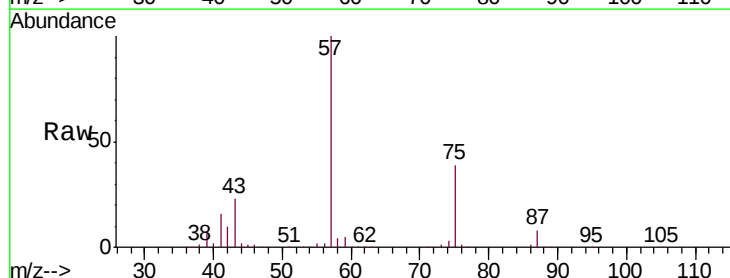
Ion Ratio Lower Upper

43 100

58 18.2 37.8 56.8#

57 457.4 13.4 20.0#

100 0.2 7.1 10.7#

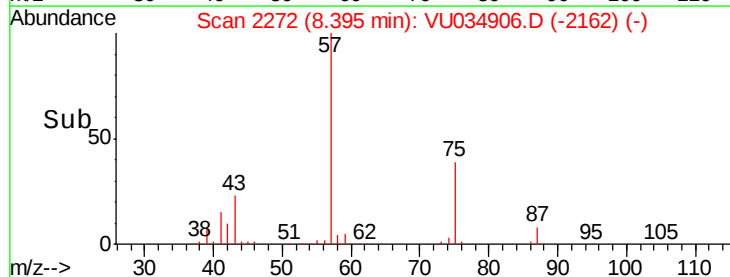
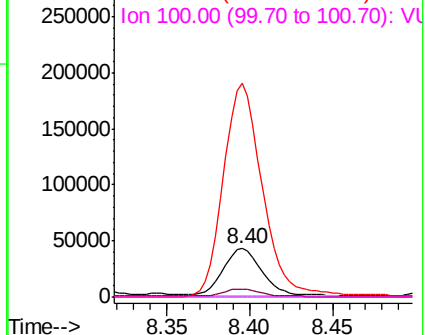


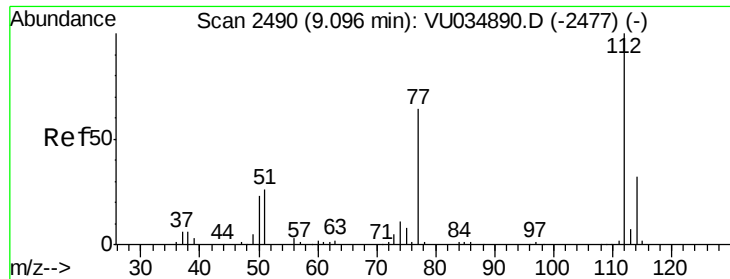
Abundance Ion 43.00 (42.70 to 43.70): VU034890.D (-2245) (-)

Ion 58.00 (57.70 to 58.70): VU034890.D (-2245) (-)

Ion 57.00 (56.70 to 57.70): VU034890.D (-2245) (-)

Ion 100.00 (99.70 to 100.70): VU034890.D (-2245) (-)

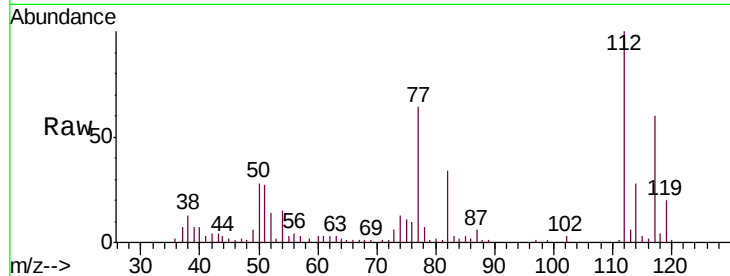




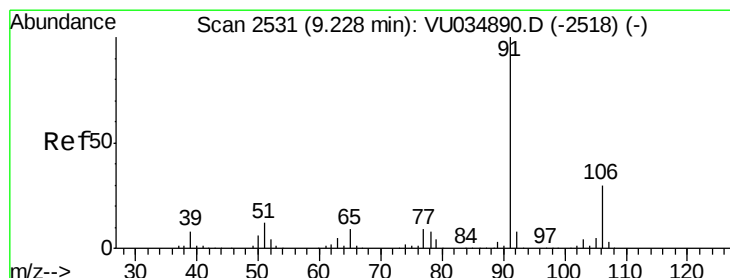
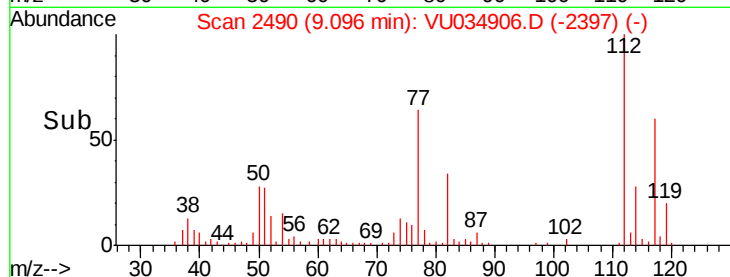
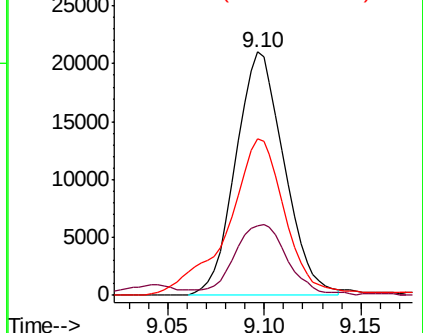
#51
Chlorobenzene
Concen: 6.862 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Instrument :
MSVOA_U
ClientSampled :
BFDM9

Tgt Ion: 112 Resp: 36694
Ion Ratio Lower Upper
112 100
114 28.4 21.7 40.3
77 64.1 50.1 75.1

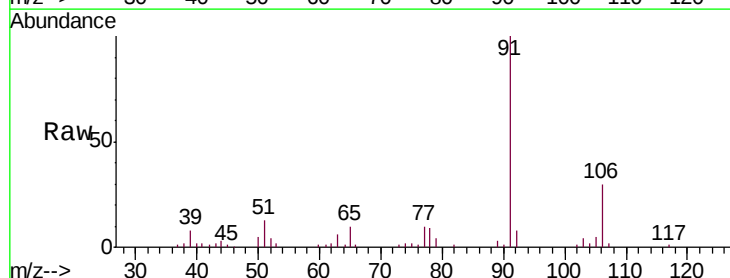


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

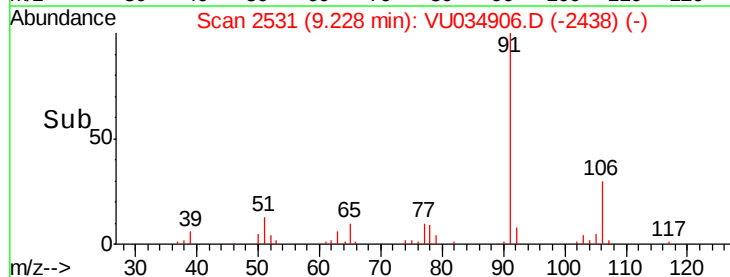
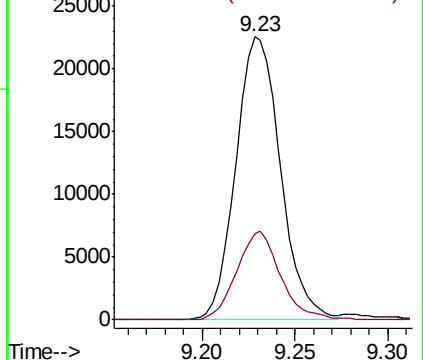


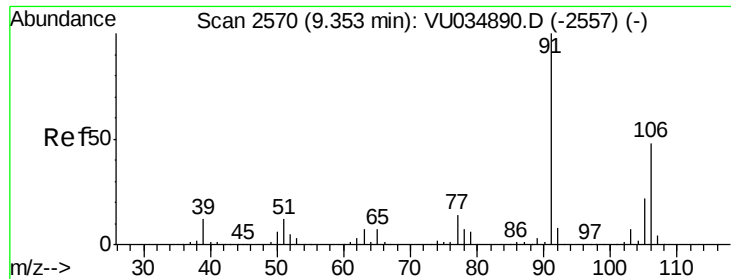
#52
Ethylbenzene
Concen: 4.092 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034906.D
Acq: 01 Oct 2019 22:28

Tgt Ion: 91 Resp: 37903
Ion Ratio Lower Upper
91 100
106 30.4 20.9 38.9



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





#53

m,p-Xylene

Concen: 8.464 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034906.D

Acq: 01 Oct 2019 22:28

Instrument :

MSVOA_U

ClientSampleId :

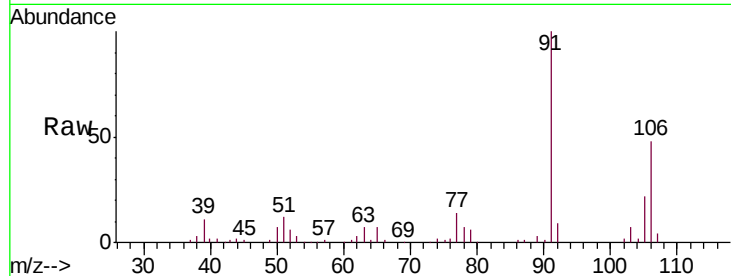
BFDM9

Tgt Ion:106 Resp: 27393

Ion Ratio Lower Upper

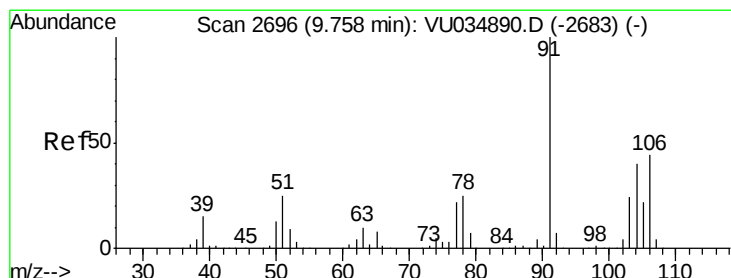
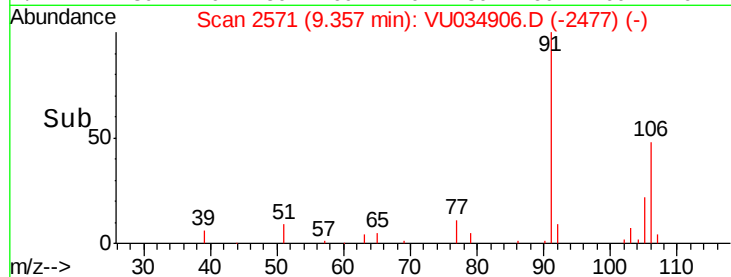
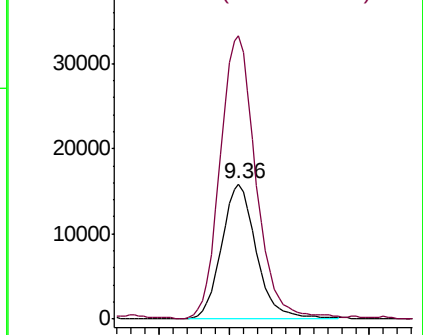
106 100

91 209.8 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 27.160 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034906.D

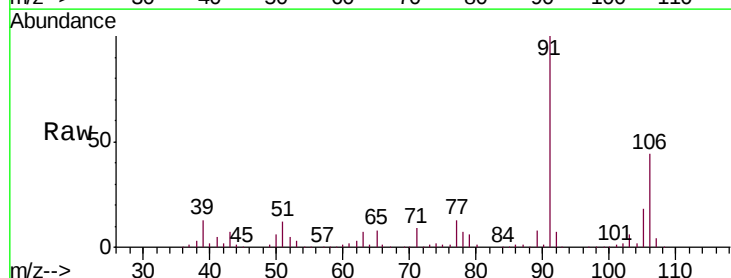
Acq: 01 Oct 2019 22:28

Tgt Ion:106 Resp: 92705

Ion Ratio Lower Upper

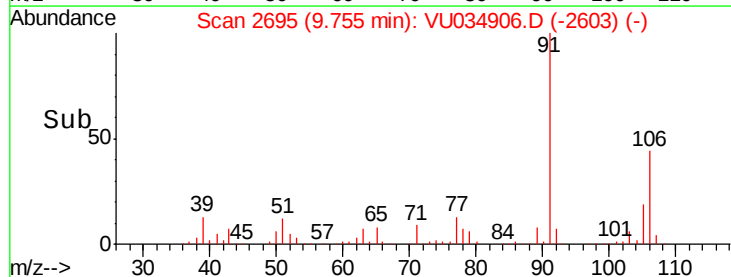
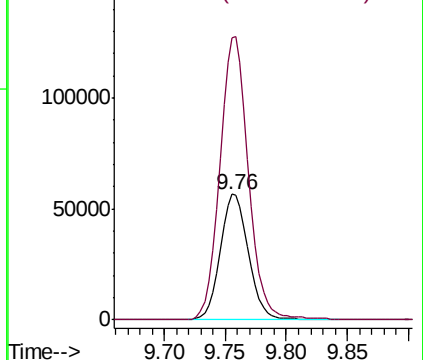
106 100

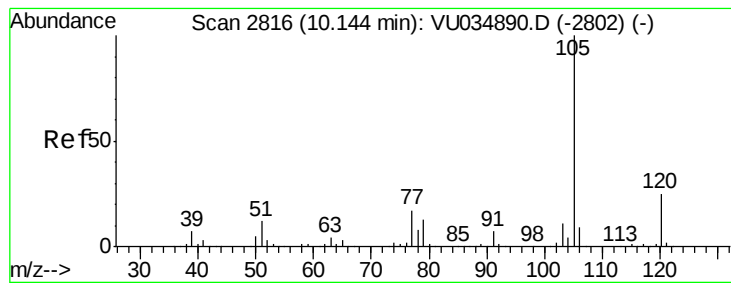
91 225.6 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 1.224 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034906.D

Acq: 01 Oct 2019 22:28

Instrument :

MSVOA_U

ClientSampleId :

BFDM9

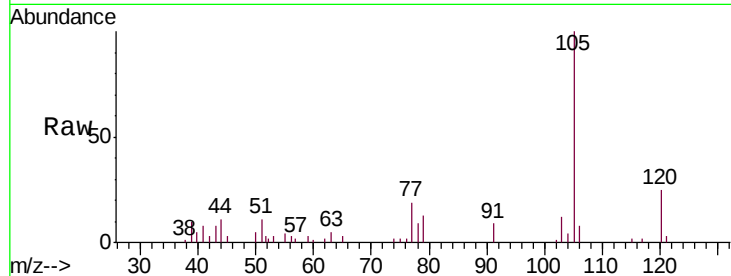
Tgt Ion:105 Resp: 11673

Ion Ratio Lower Upper

105 100

120 26.4 20.2 30.4

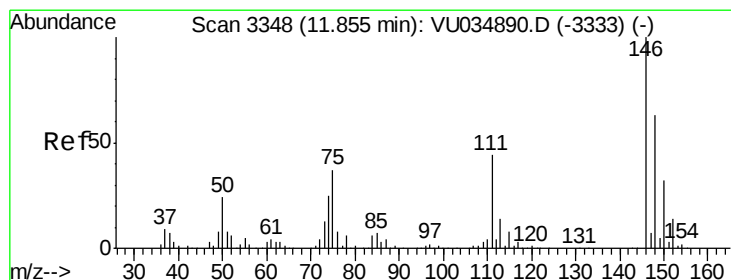
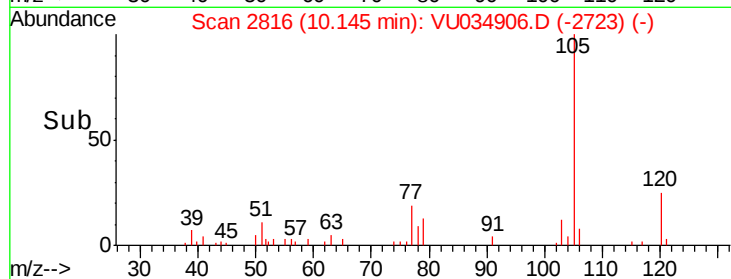
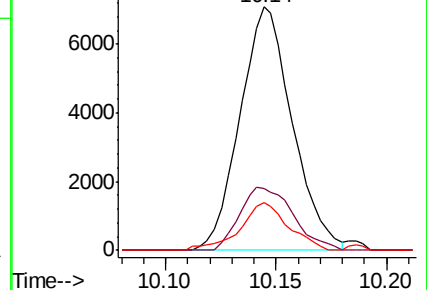
77 18.0 13.7 20.5



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



#65

1,2-Dichlorobenzene

Concen: 0.885 ug/L

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034906.D

Acq: 01 Oct 2019 22:28

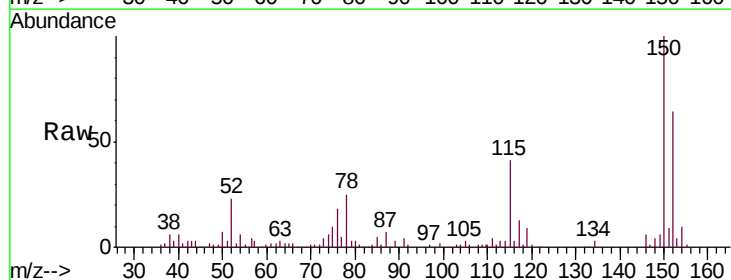
Tgt Ion:146 Resp: 3897

Ion Ratio Lower Upper

146 100

111 62.3 34.9 52.3#

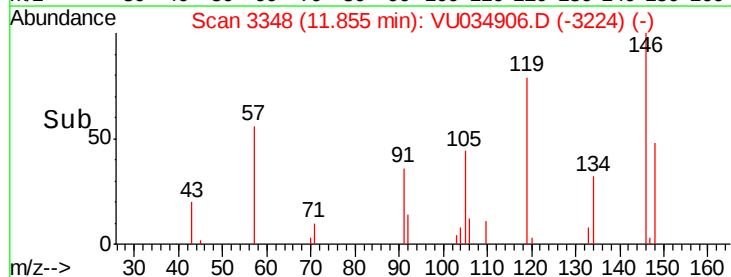
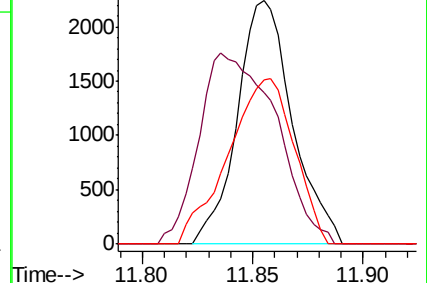
148 67.5 50.0 75.0

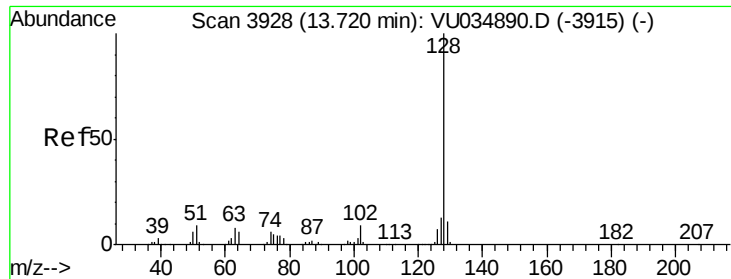


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

Naphthalene

Concen: 3.773 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.01 min

Lab File: VU034906.D

Acq: 01 Oct 2019 22:28

Instrument :

MSVOA_U

ClientSampleId :

BFDM9

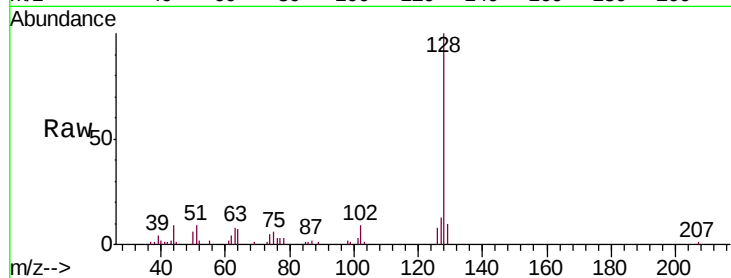
Tgt Ion:128 Resp: 27678

Ion Ratio Lower Upper

128 100

127 11.4 10.4 15.6

129 9.8 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

