

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100219\
 Data File : VU034903.D
 Acq On : 01 Oct 2019 21:17
 Operator : JC/SP
 Sample : K5028-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL6

Quant Time: Oct 02 04:32:56 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	346326	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	336832	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	150500	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	97960	40.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.72%
7) Chloroethane-d5	1.67	69	88483	43.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.78%
11) 1,1-Dichloroethene-d2	2.26	63	149944	34.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.30%
21) 2-Butanone-d5	4.15	46	267393	112.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.90%
24) Chloroform-d	4.62	84	217786	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	5.29	65	161623	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
32) Benzene-d6	5.32	84	426250	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
36) 1,2-Dichloropropane-d6	6.31	67	150258	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.32%
41) Toluene-d8	7.54	98	397693	46.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.18%
43) trans-1,3-Dichloropropene-	7.83	79	66838	47.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.74%
47) 2-Hexanone-d5	8.29	63	178377	118.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.21%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	218987	48.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.28%
64) 1,2-Dichlorobenzene-d4	11.84	152	145359	48.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.08%

Target Compounds

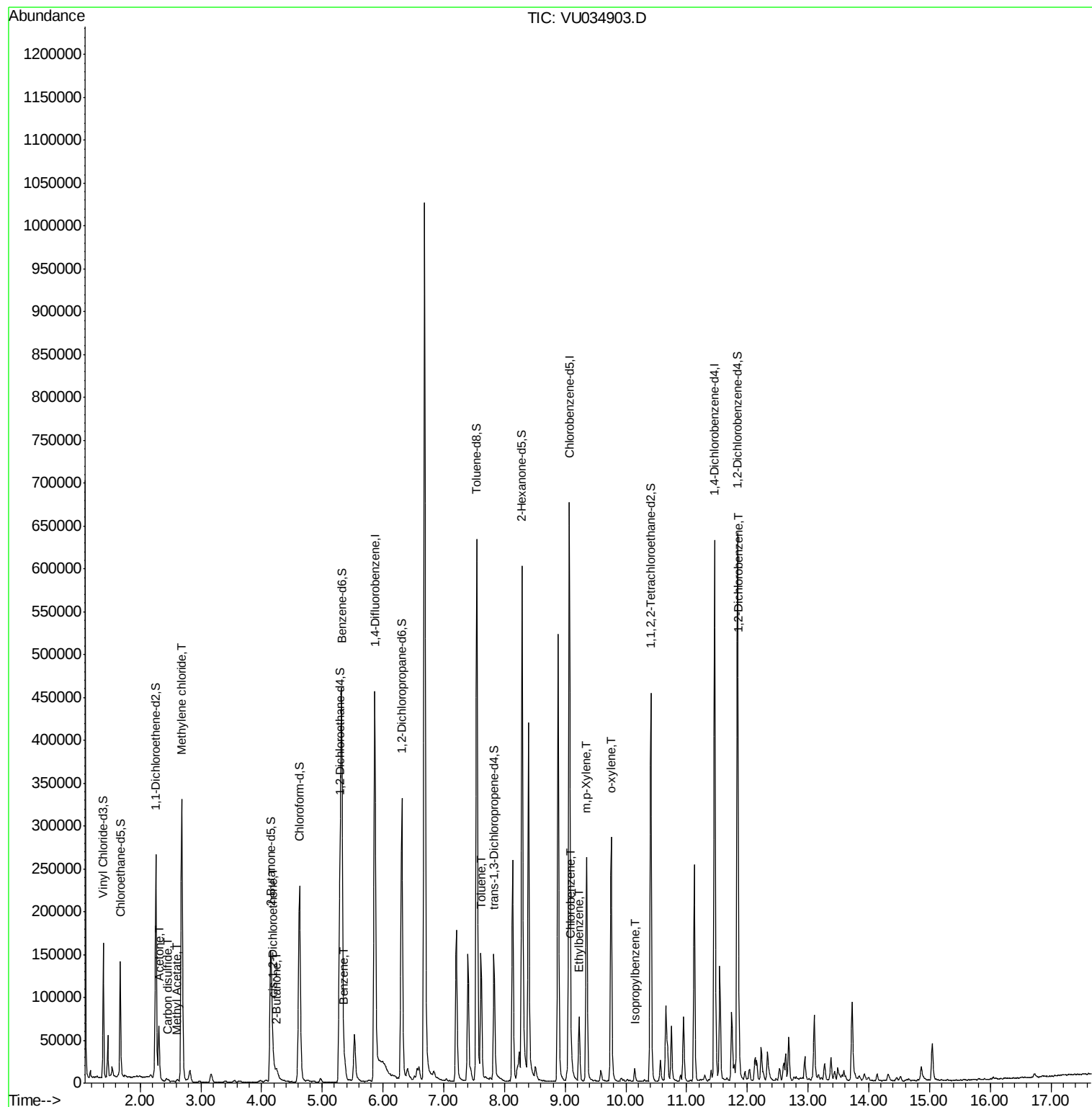
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	67698	35.962	ug/L	98
14) Carbon disulfide	2.46	76	2732	1.312	ug/L	97
15) Methyl Acetate	2.60	43	3675	1.223	ug/L #	83
16) Methylene chloride	2.68	84	131699	69.415	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	3563	1.817	ug/L	99
22) 2-Butanone	4.25	43	18968	7.758	ug/L	96
33) Benzene	5.37	78	16706	2.325	ug/L	100
42) Toluene	7.62	91	102103	13.210	ug/L	100
51) Chlorobenzene	9.10	112	9027	1.723	ug/L	98
52) Ethylbenzene	9.23	91	52179	5.751	ug/L	99
53) m,p-Xylene	9.35	106	70839	22.345	ug/L	94
54) o-xylene	9.76	106	60136	17.986	ug/L	96
56) Isopropylbenzene	10.14	105	10111	1.082	ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	10728	2.457	ug/L	96

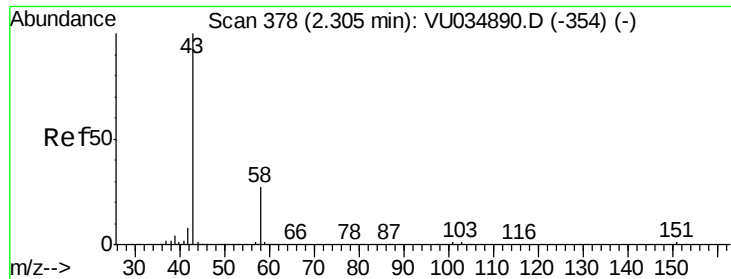
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 35.962 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034903.D

Acq: 01 Oct 2019 21:17

Instrument :

MSVOA_U

ClientSampleId :

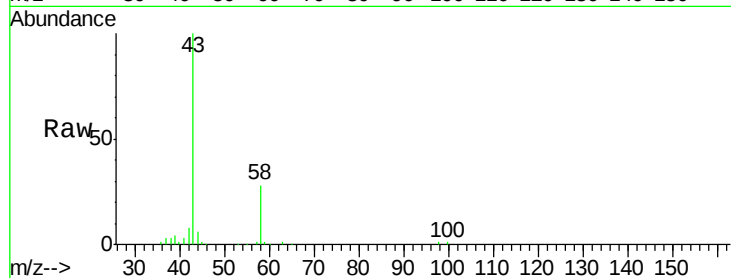
BFDL6

Tot Ion: 43 Resp: 67698

Ion Ratio Lower Upper

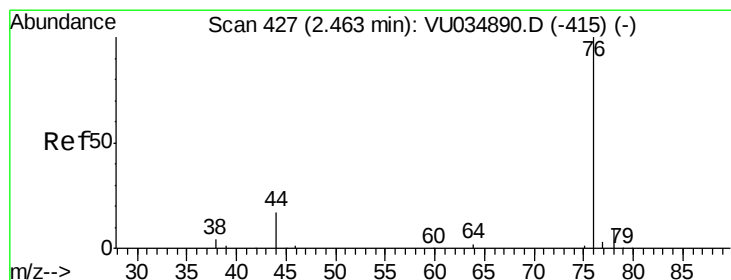
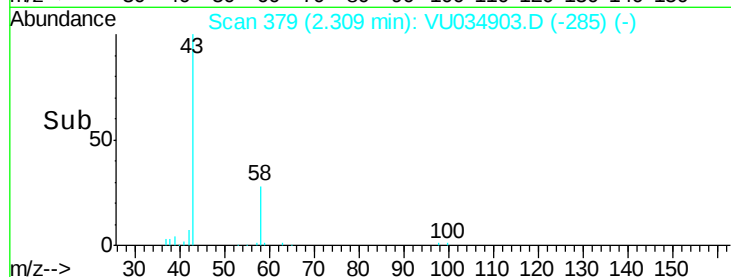
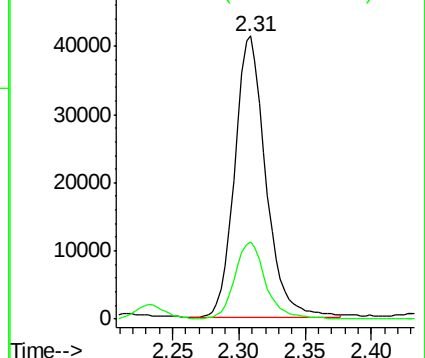
43 100

58 27.5 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: 1.312 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034903.D

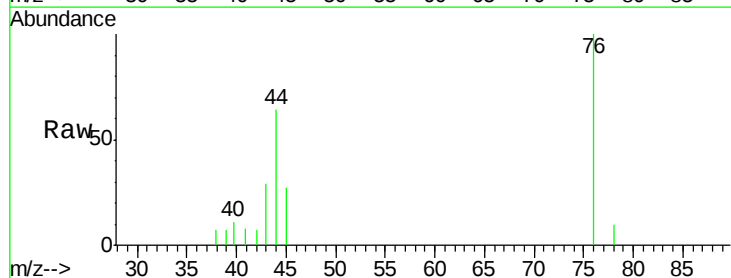
Acq: 01 Oct 2019 21:17

Tgt Ion: 76 Resp: 2732

Ion Ratio Lower Upper

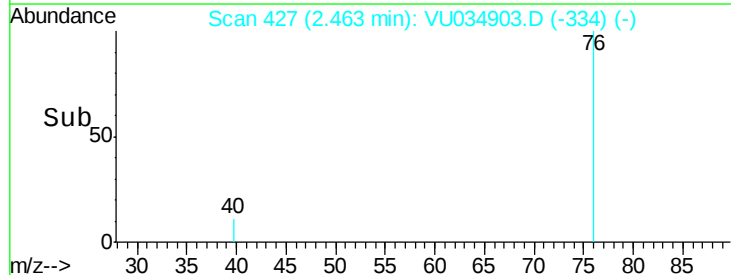
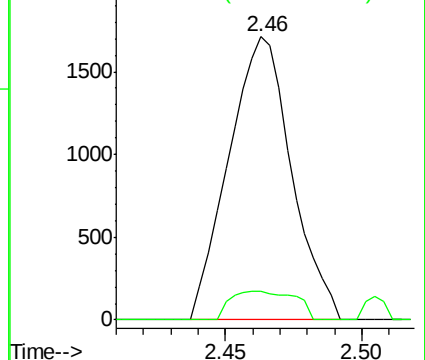
76 100

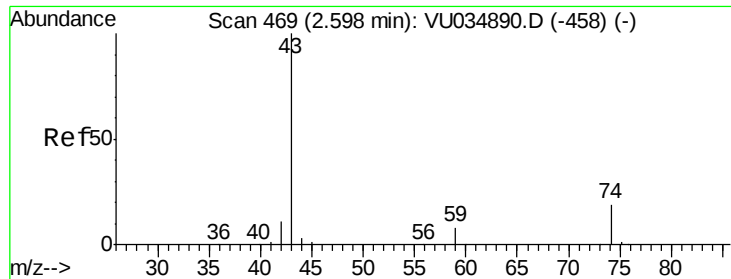
78 10.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU034890.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU034890.D (-415) (-)

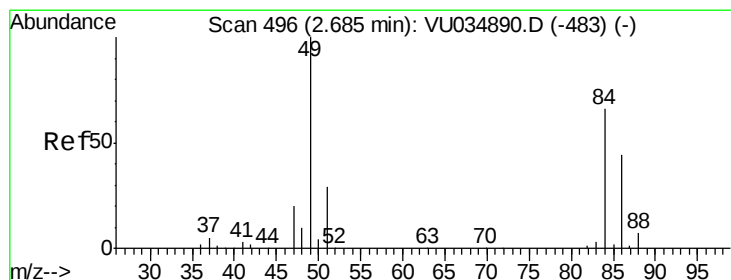
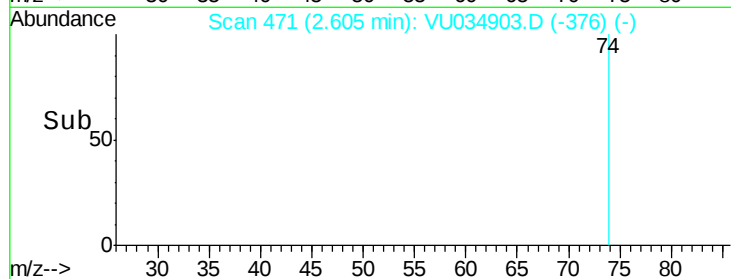
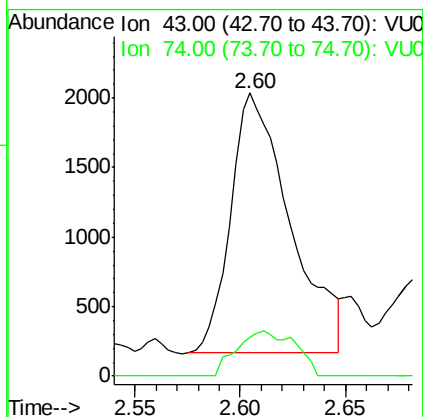
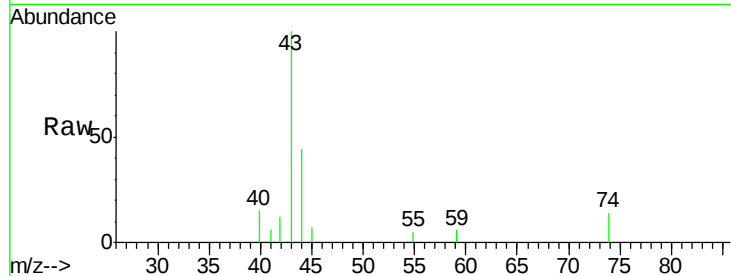




#15
Methyl Acetate
Concen: 1.223 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034903.D
Acq: 01 Oct 2019 21:17

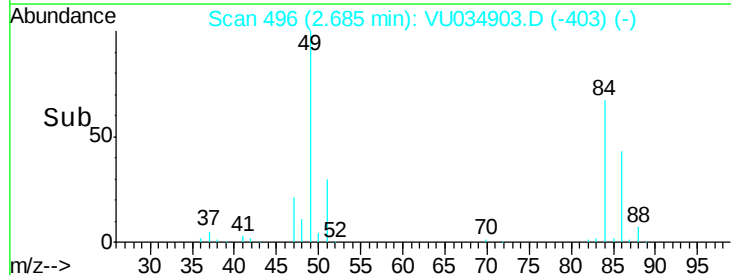
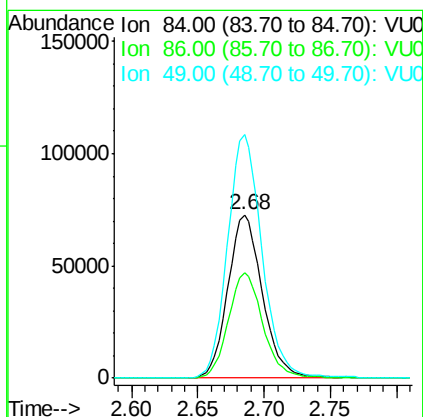
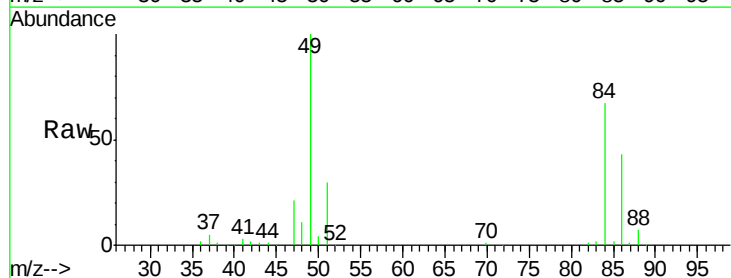
Instrument :
MSVOA_U
ClientSampleId :
BFDL6

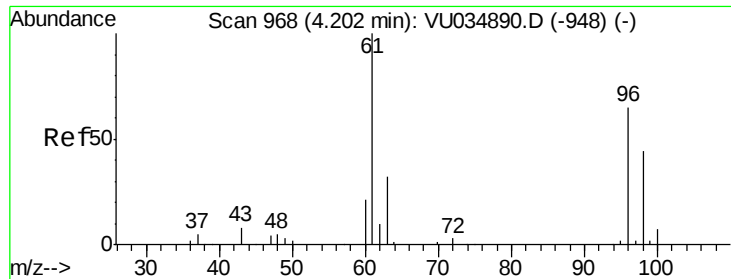
Tot Ion: 43 Resp: 3675
Ion Ratio Lower Upper
43 100
74 11.5 15.3 22.9#



#16
Methylene chloride
Concen: 69.415 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034903.D
Acq: 01 Oct 2019 21:17

Tgt Ion: 84 Resp: 131699
Ion Ratio Lower Upper
84 100
86 64.4 44.7 82.9
49 148.9 100.7 186.9

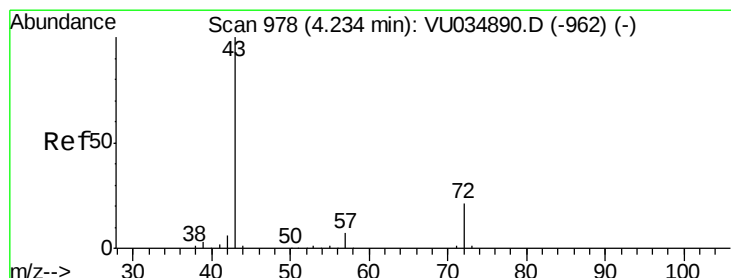
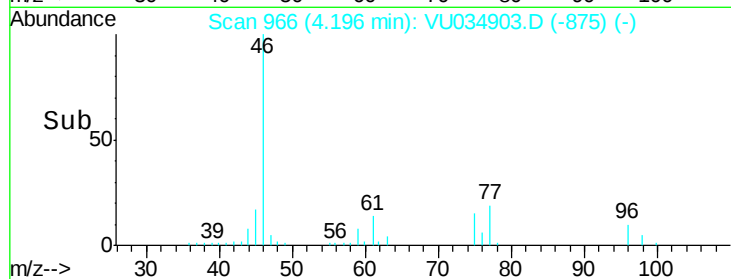
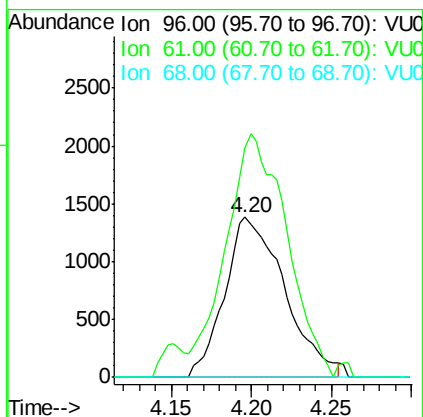
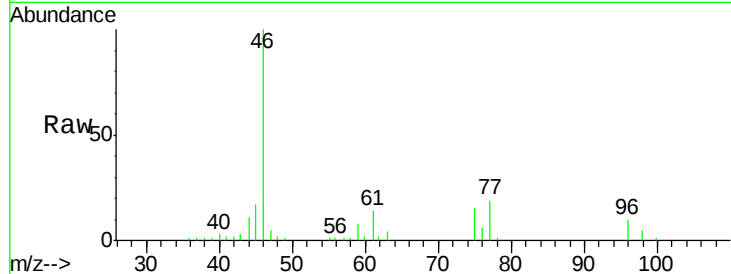




#20
 cis-1,2-Dichloroethene
 Concen: 1.817 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VU034903.D
 Acq: 01 Oct 2019 21:17

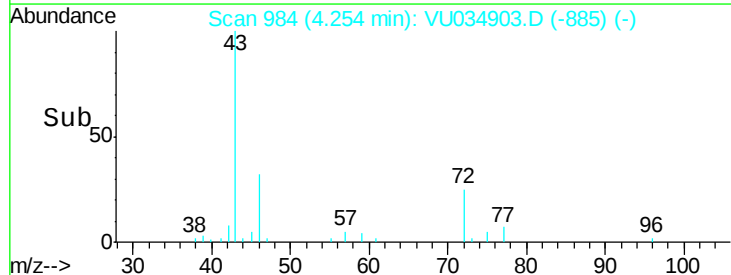
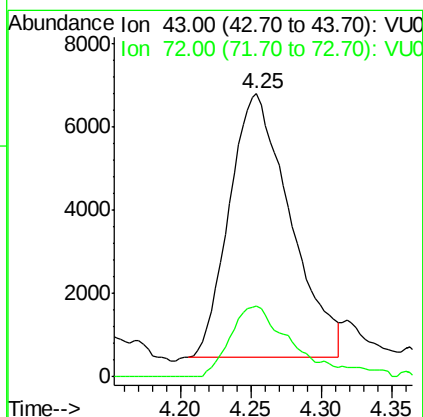
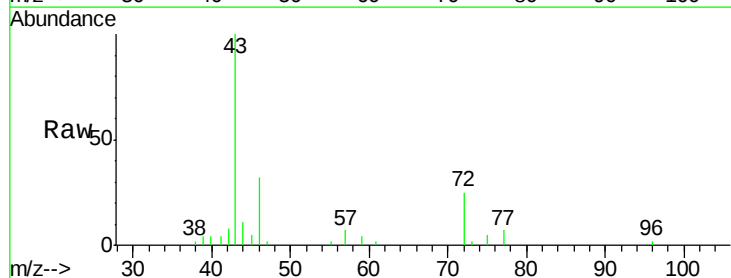
Instrument :
 MSVOA_U
 ClientSampled :
 BFDL6

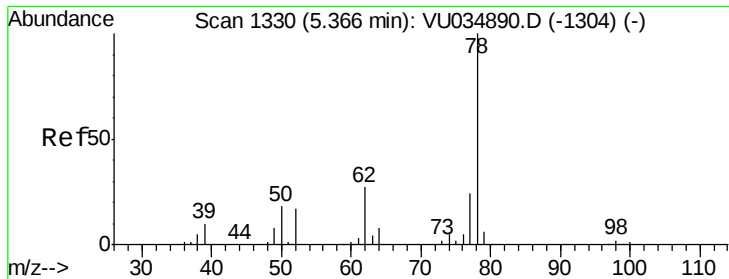
Tot Ion: 96 Resp: 3563
 Ion Ratio Lower Upper
 96 100
 61 143.2 101.2 188.0
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 7.758 ug/L
 RT: 4.25 min Scan# 984
 Delta R.T. 0.02 min
 Lab File: VU034903.D
 Acq: 01 Oct 2019 21:17

Tgt Ion: 43 Resp: 18968
 Ion Ratio Lower Upper
 43 100
 72 24.5 11.2 33.6





#33

Benzene

Concen: 2.325 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034903.D

Acq: 01 Oct 2019 21:17

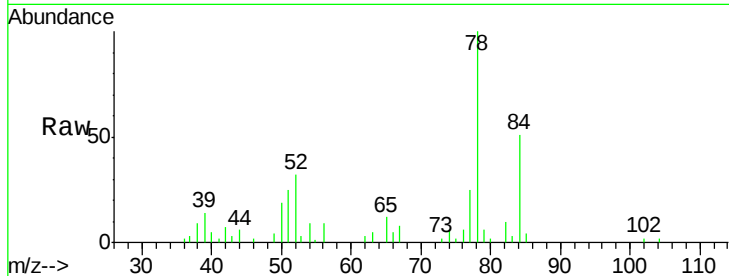
Instrument :

MSVOA_U

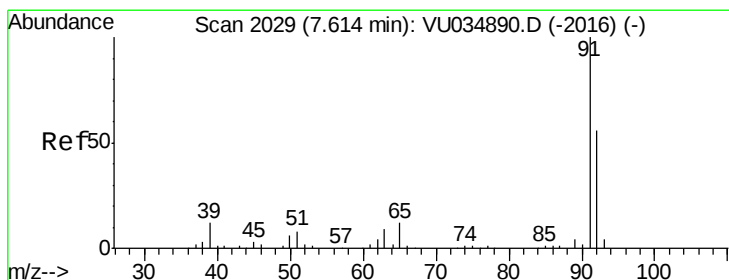
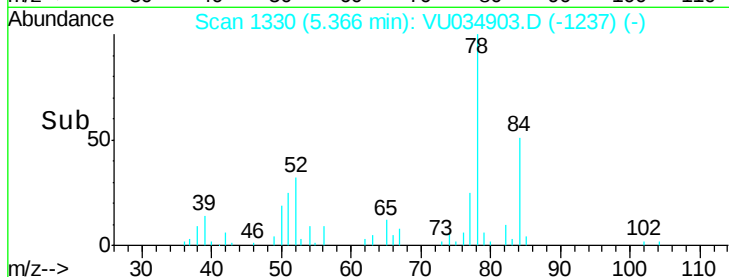
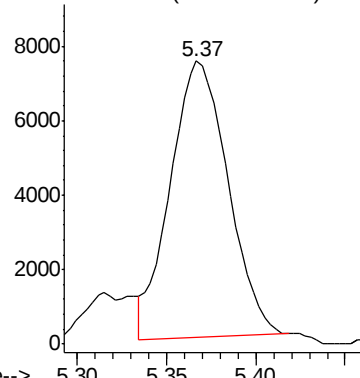
ClientSampleId :

BFDL6

Tgt Ion: 78 Resp: 16706



Abundance Ion 78.00 (77.70 to 78.70): VU0



#42

Toluene

Concen: 13.210 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034903.D

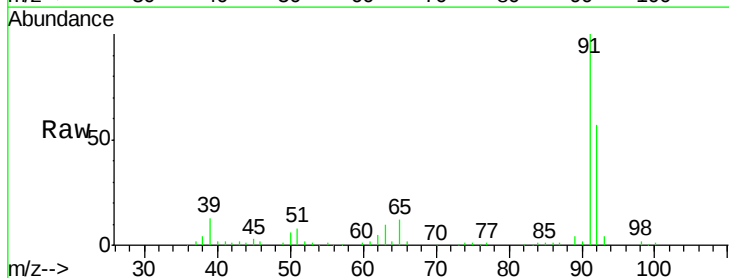
Acq: 01 Oct 2019 21:17

Tgt Ion: 91 Resp: 102103

Ion Ratio Lower Upper

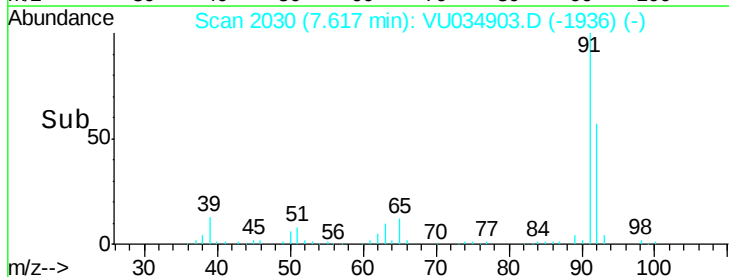
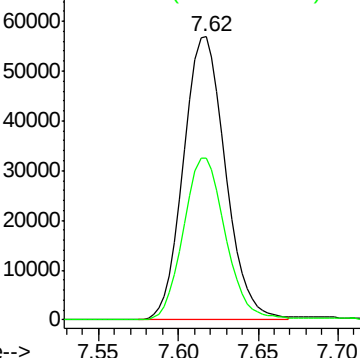
91 100

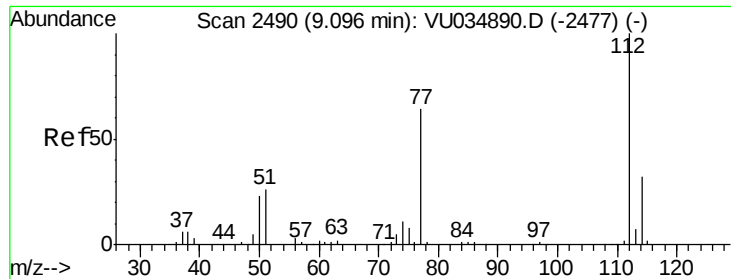
92 57.2 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

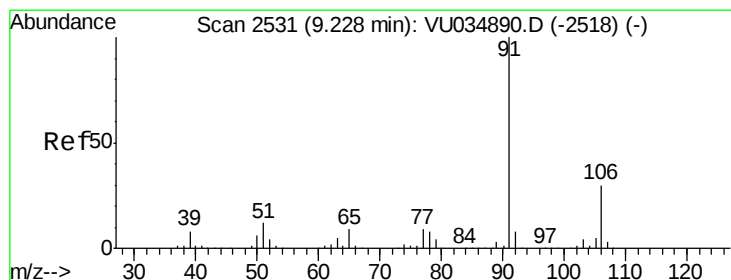
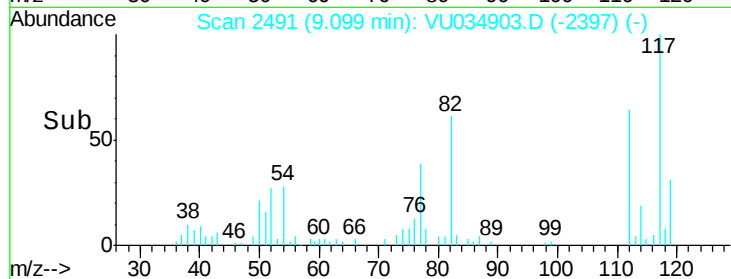
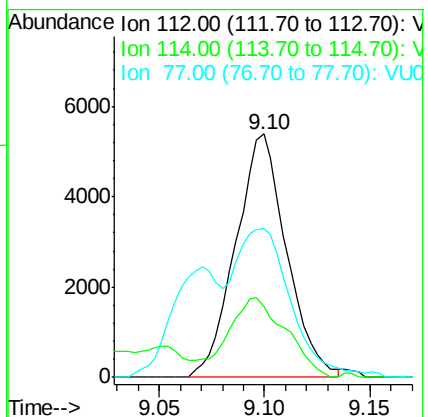
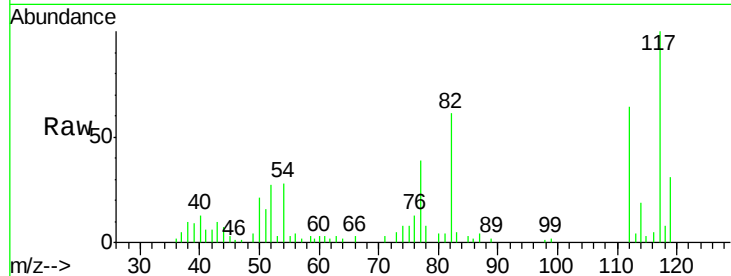




#51
Chlorobenzene
Concen: 1.723 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034903.D
Acq: 01 Oct 2019 21:17

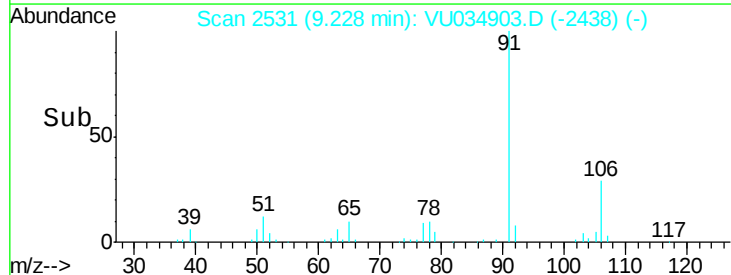
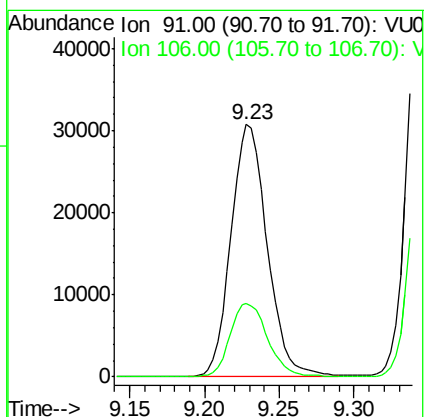
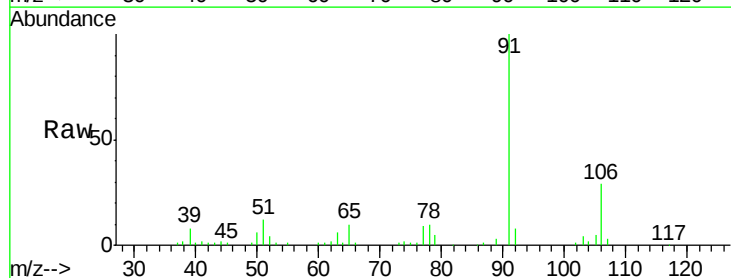
Instrument :
MSVOA_U
ClientSampleId :
BFDL6

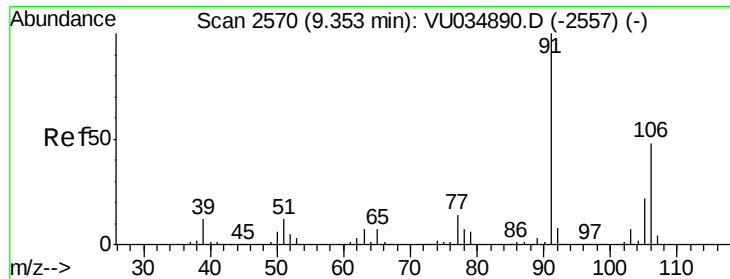
Tot Ion: 112 Resp: 9027
Ion Ratio Lower Upper
112 100
114 29.0 21.7 40.3
77 61.2 50.1 75.1



#52
Ethylbenzene
Concen: 5.751 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034903.D
Acq: 01 Oct 2019 21:17

Tgt Ion: 91 Resp: 52179
Ion Ratio Lower Upper
91 100
106 29.2 20.9 38.9





#53

m,p-Xylene

Concen: 22.345 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034903.D

Acq: 01 Oct 2019 21:17

Instrument :

MSVOA_U

ClientSampleId :

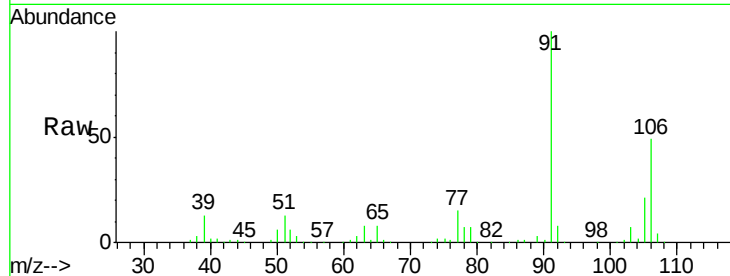
BFDL6

Tot Ion:106 Resp: 70839

Ion Ratio Lower Upper

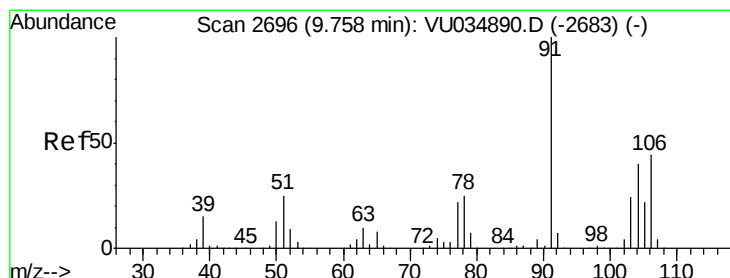
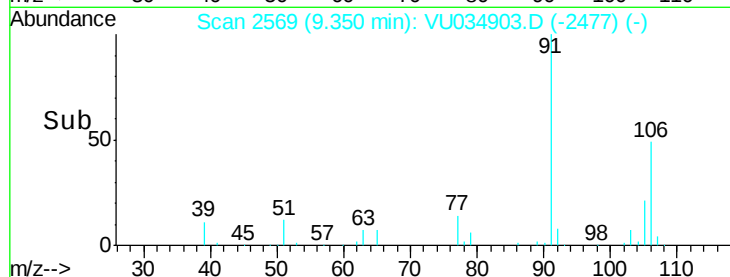
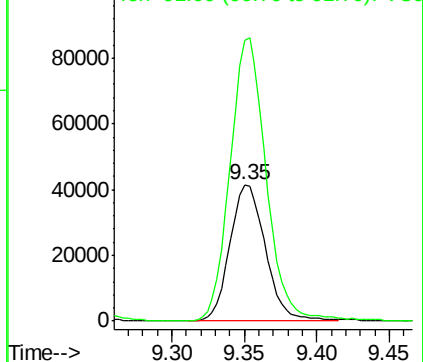
106 100

91 205.5 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 17.986 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034903.D

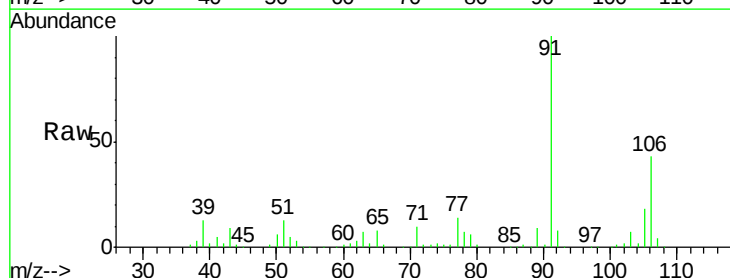
Acq: 01 Oct 2019 21:17

Tgt Ion:106 Resp: 60136

Ion Ratio Lower Upper

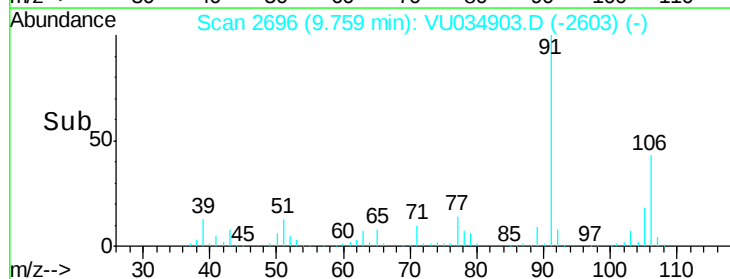
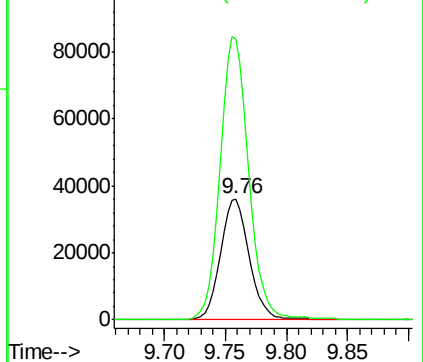
106 100

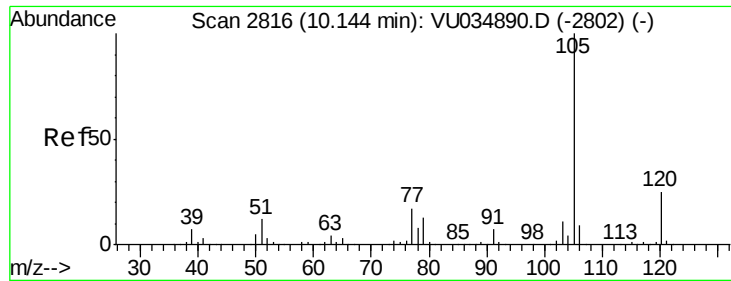
91 232.1 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 1.082 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034903.D

Acq: 01 Oct 2019 21:17

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MSVOA_U

ClientSampleId :

BFDL6

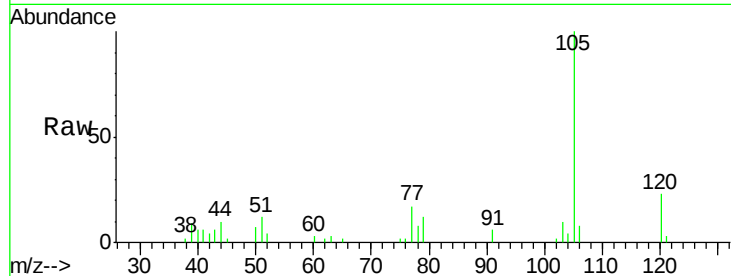
Tot Ion:105 Resp: 10111

Ion Ratio Lower Upper

105 100

120 22.9 20.2 30.4

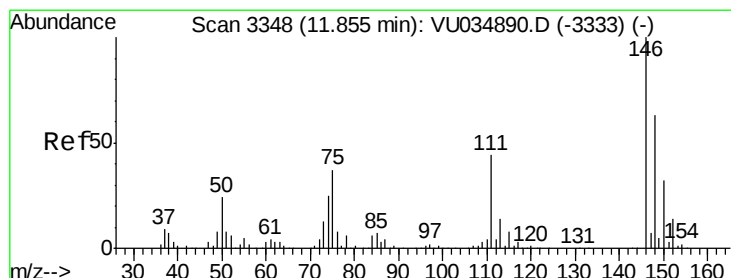
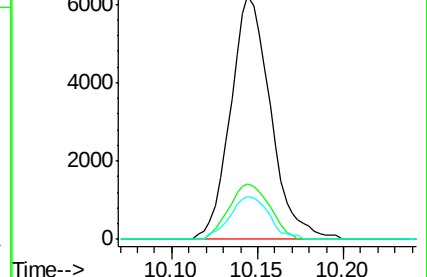
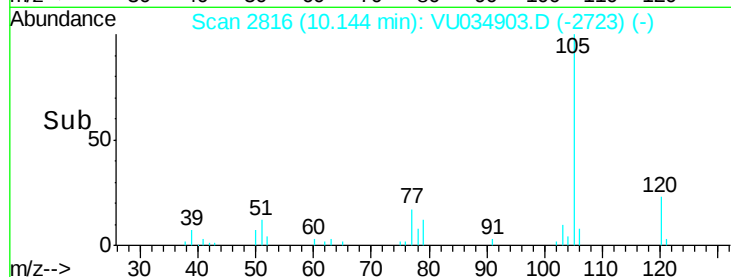
77 17.3 13.7 20.5



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): V



#65

1,2-Dichlorobenzene

Concen: 2.457 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034903.D

Acq: 01 Oct 2019 21:17

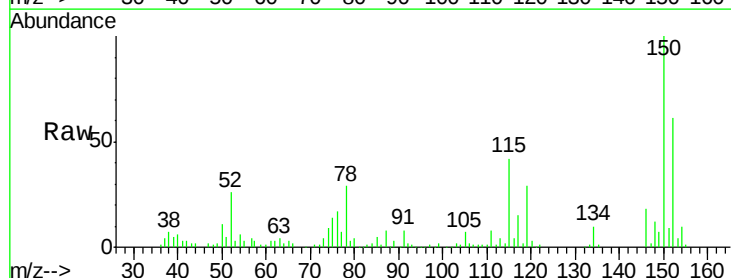
Tgt Ion:146 Resp: 10728

Ion Ratio Lower Upper

146 100

111 45.4 34.9 52.3

148 66.5 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

