

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
 Data File : VU034829.D
 Acq On : 26 Sep 2019 01:49
 Operator : JC/SP
 Sample : K4983-19
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL3

Quant Time: Sep 26 09:36:31 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	458419	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	428355	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	207253	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	186508	39.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.48%
7) Chloroethane-d5	1.67	69	162394	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.54%
11) 1,1-Dichloroethene-d2	2.26	63	252552	31.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.56%
21) 2-Butanone-d5	4.15	46	422655	117.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.51%
24) Chloroform-d	4.62	84	321710	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.29	65	223680	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.20%
32) Benzene-d6	5.32	84	682153	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
36) 1,2-Dichloropropane-d6	6.31	67	235358	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.44%
41) Toluene-d8	7.54	98	660697	52.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.62%
43) trans-1,3-Dichloropropene-	7.83	79	102228	46.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.00%
47) 2-Hexanone-d5	8.29	63	287826	123.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.49%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	331471	51.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.96%
64) 1,2-Dichlorobenzene-d4	11.84	152	240173	55.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.52%

Target Compounds

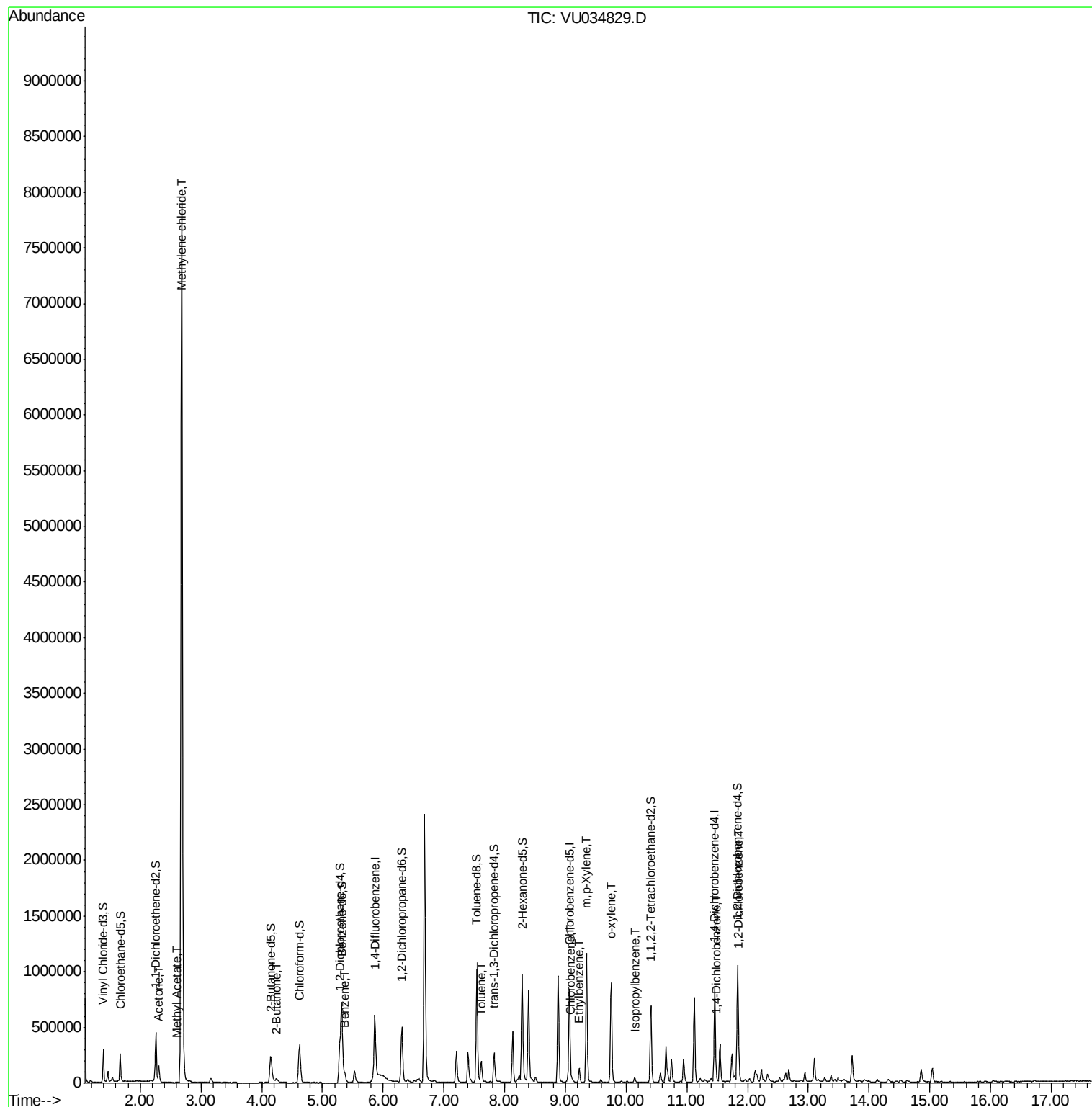
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	154285	36.875	ug/L	97
15) Methyl Acetate	2.61	43	8383	1.500	ug/L	96
16) Methylene chloride	2.68	84	3127839	823.284	ug/L	95
22) 2-Butanone	4.25	43	57037	11.459	ug/L	99
33) Benzene	5.37	78	83412	5.615	ug/L	100
42) Toluene	7.62	91	140564	8.755	ug/L	97
51) Chlorobenzene	9.10	112	9226	0.945	ug/L #	85
52) Ethylbenzene	9.23	91	90977	5.032	ug/L	99
53) m,p-Xylene	9.35	106	308126	48.116	ug/L	100
54) o-xylene	9.76	106	207274	32.724	ug/L	98
56) Isopropylbenzene	10.14	105	29241	1.712	ug/L	94
63) 1,4-Dichlorobenzene	11.49	146	11202	1.532	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	50322	6.939	ug/L	98

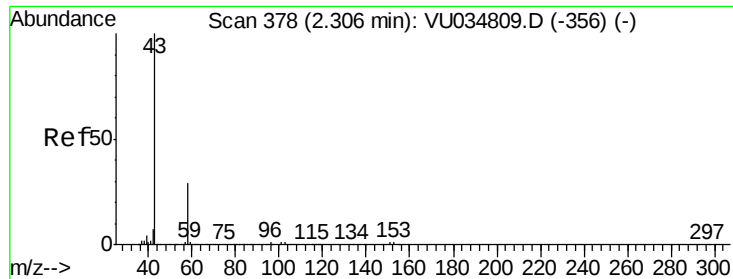
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 36.875 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034829.D

Acq: 26 Sep 2019 01:49

Instrument :

MSVOA_U

ClientSampleId :

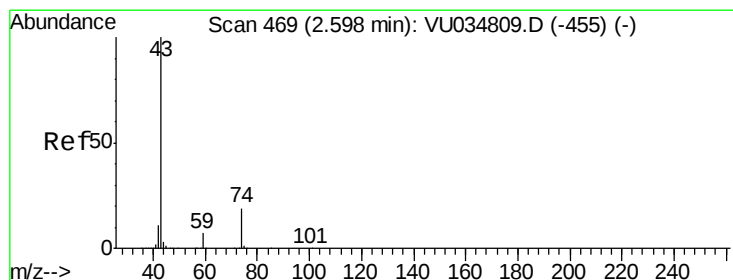
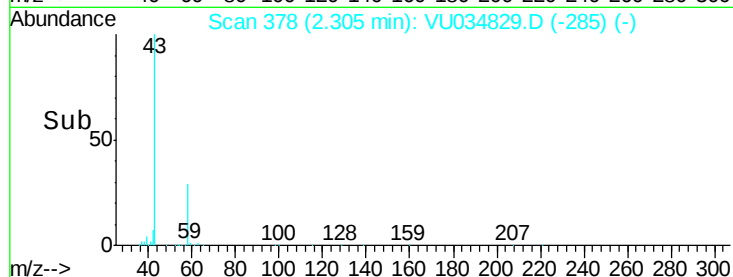
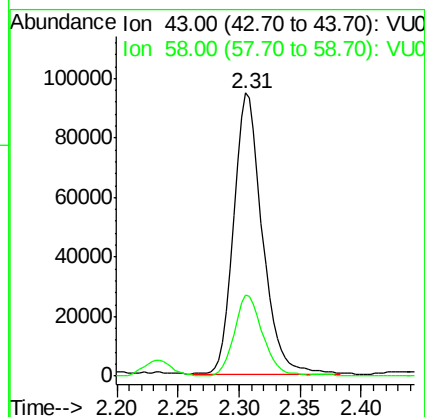
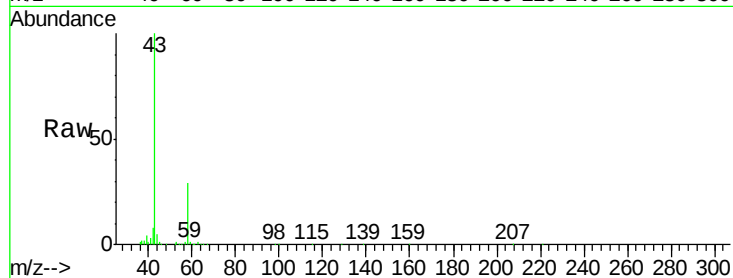
BFDL3

Tot Ion: 43 Resp: 154285

Ion Ratio Lower Upper

43 100

58 28.2 0.0 53.4



#15

Methyl Acetate

Concen: 1.500 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU034829.D

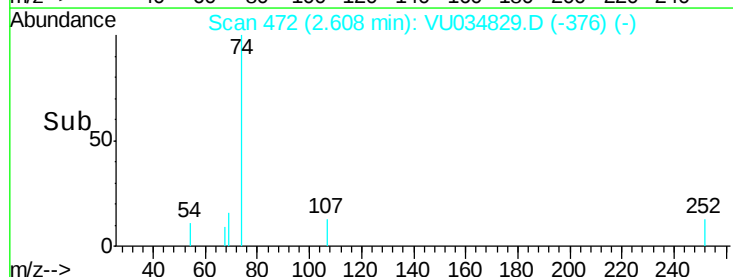
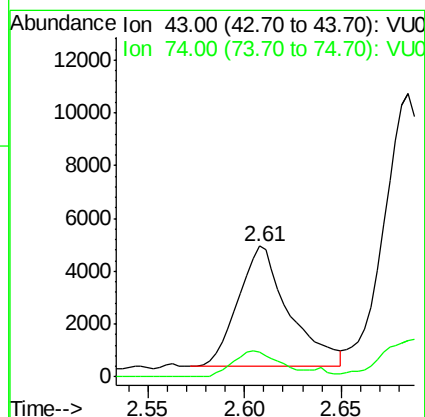
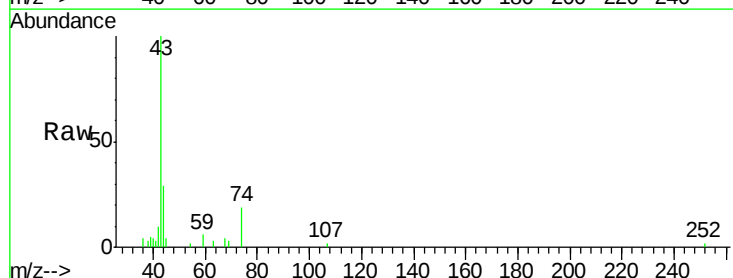
Acq: 26 Sep 2019 01:49

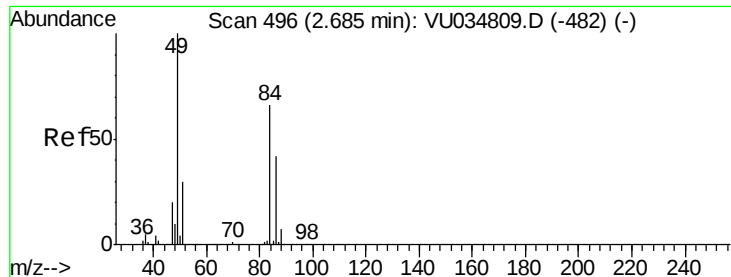
Tgt Ion: 43 Resp: 8383

Ion Ratio Lower Upper

43 100

74 19.7 14.4 21.6

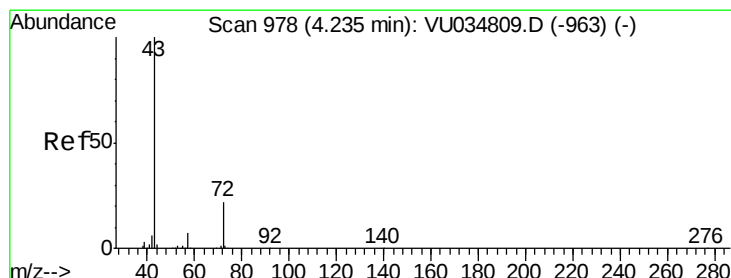
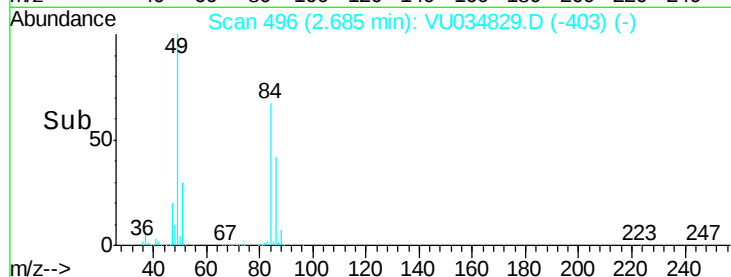
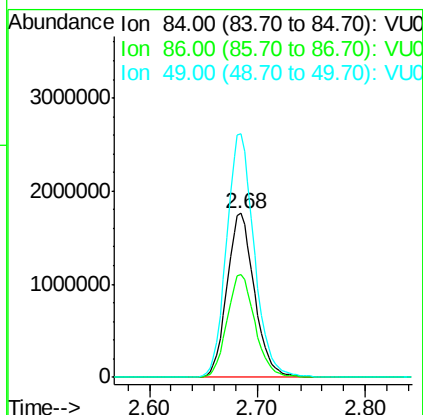
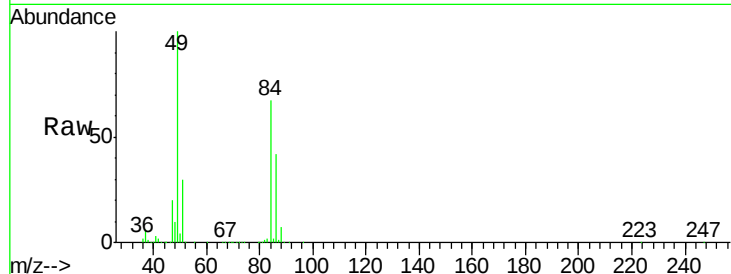




#16
Methvlene chloride
Concen: 823.284 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034829.D
Acq: 26 Sep 2019 01:49

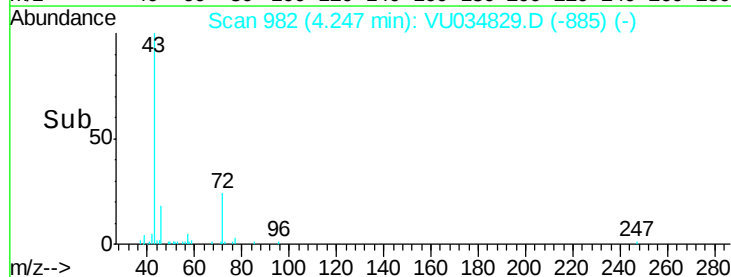
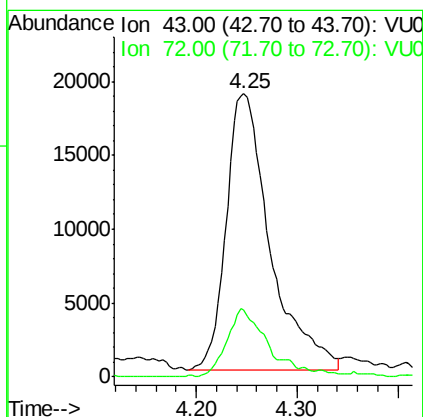
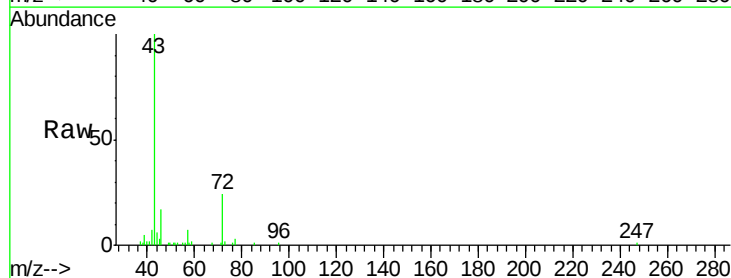
Instrument :
MSVOA_U
ClientSampleId :
BFDL3

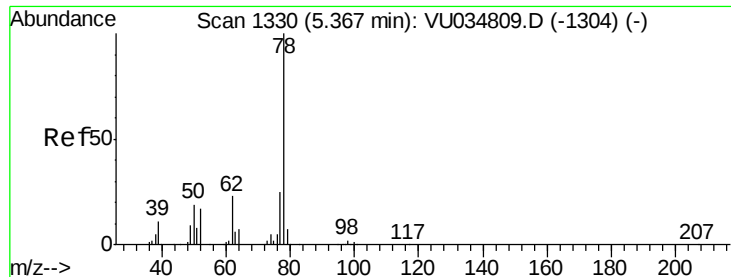
Tot Ion: 84 Resp: 3127839
Ion Ratio Lower Upper
84 100
86 63.0 43.0 80.0
49 148.6 109.7 203.7



#22
2-Butanone
Concen: 11.459 ug/L
RT: 4.25 min Scan# 982
Delta R.T. 0.01 min
Lab File: VU034829.D
Acq: 26 Sep 2019 01:49

Tgt Ion: 43 Resp: 57037
Ion Ratio Lower Upper
43 100
72 19.9 10.2 30.6





#33

Benzene

Concen: 5.615 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU034829.D

Acq: 26 Sep 2019 01:49

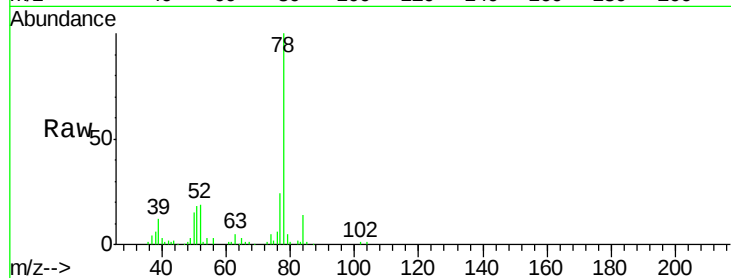
Instrument :

MSVOA_U

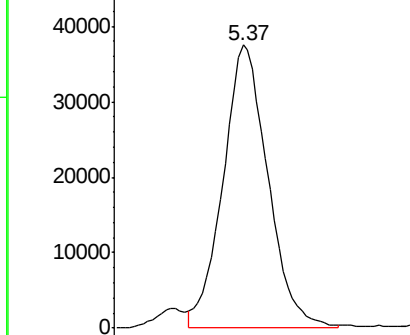
ClientSampleId :

BFDL3

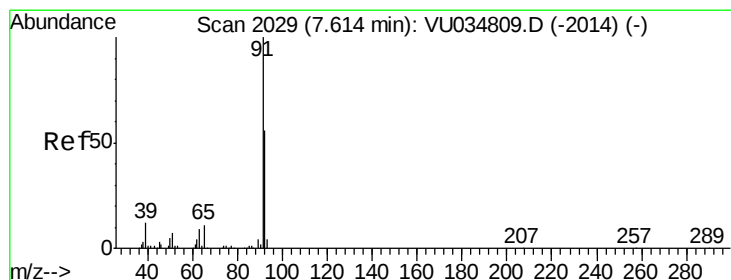
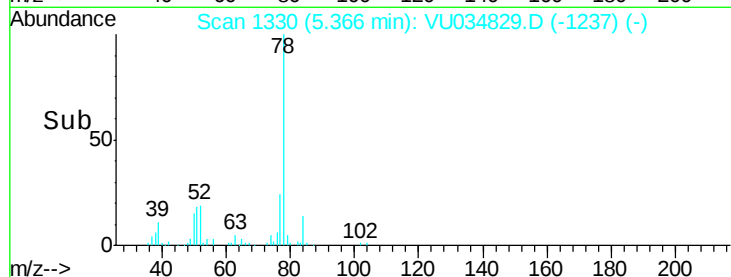
Tgt Ion: 78 Resp: 83412



Abundance Ion 78.00 (77.70 to 78.70): VU0



Time-->



#42

Toluene

Concen: 8.755 ug/L

RT: 7.62 min Scan# 2030

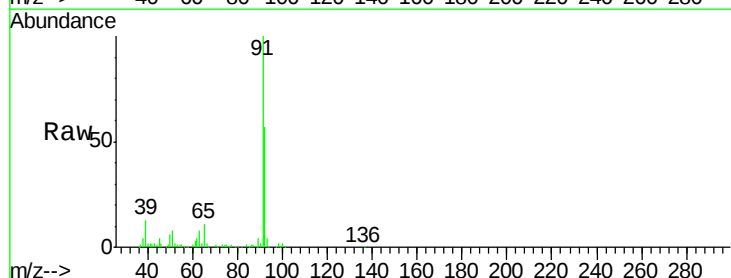
Delta R.T. 0.00 min

Lab File: VU034829.D

Acq: 26 Sep 2019 01:49

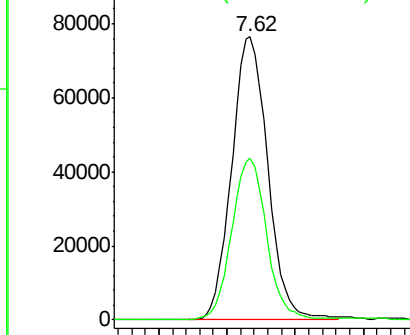
Tgt Ion: 91 Resp: 140564

Ion	Ratio	Lower	Upper
91	100		
92	57.0	38.2	71.0

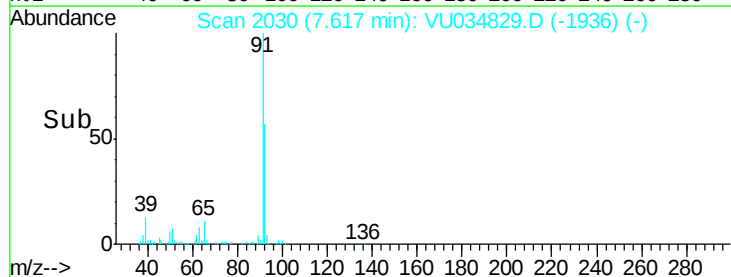


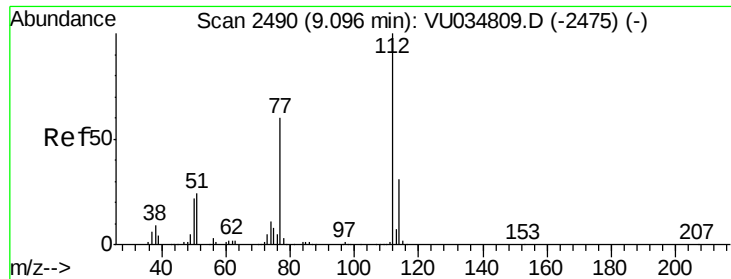
Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



Time-->

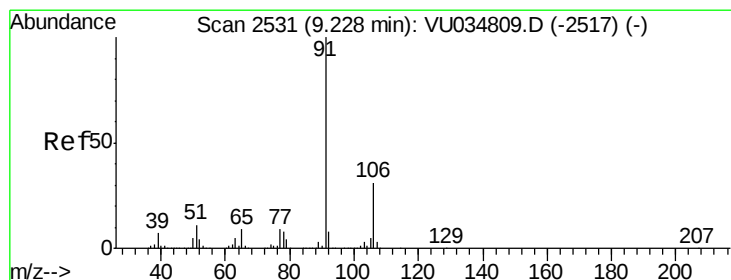
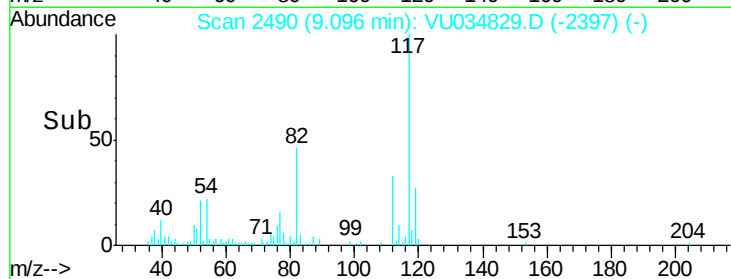
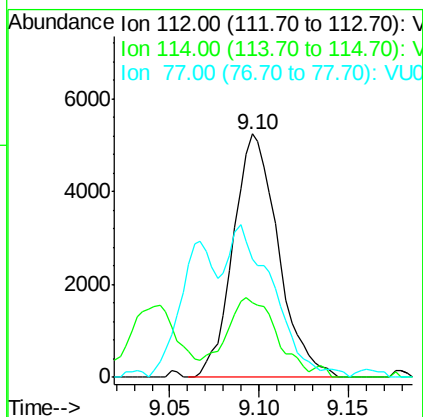
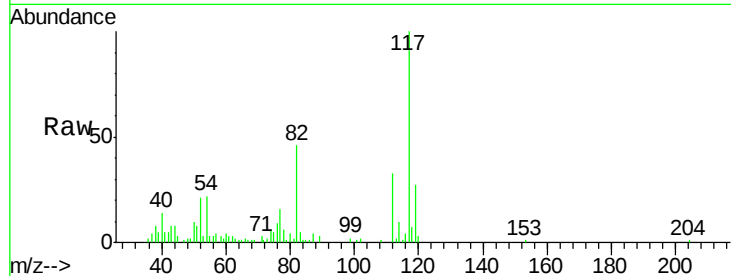




#51
Chlorobenzene
Concen: 0.945 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034829.D
Acq: 26 Sep 2019 01:49

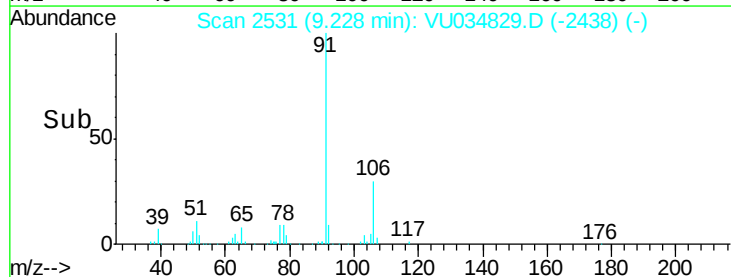
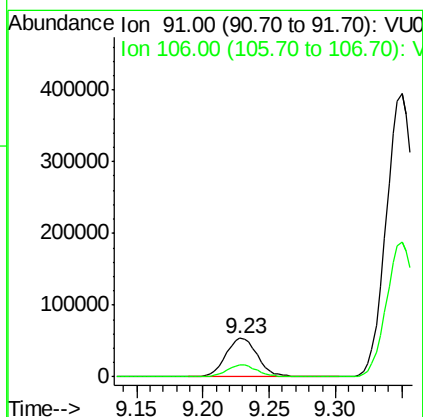
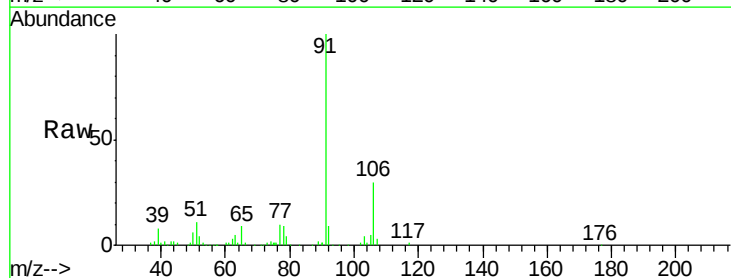
Instrument :
MSVOA_U
ClientSampleId :
BFDL3

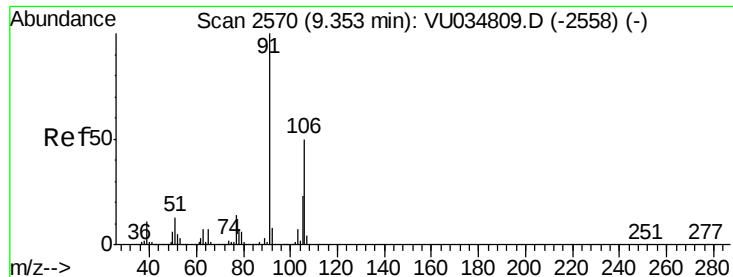
Tot Ion:112 Resp: 9226
Ion Ratio Lower Upper
112 100
114 30.6 22.8 42.4
77 48.4 51.5 77.3#



#52
Ethylbenzene
Concen: 5.032 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034829.D
Acq: 26 Sep 2019 01:49

Tgt Ion: 91 Resp: 90977
Ion Ratio Lower Upper
91 100
106 30.3 20.6 38.4





#53

m,p-Xylene

Concen: 48.116 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034829.D

Acq: 26 Sep 2019 01:49

Instrument :

MSVOA_U

ClientSampled :

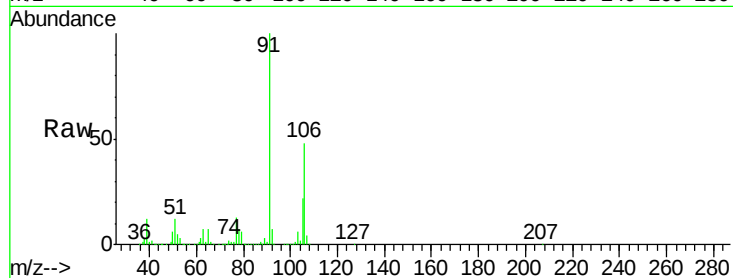
BFDL3

Tot Ion:106 Resp: 308126

Ion Ratio Lower Upper

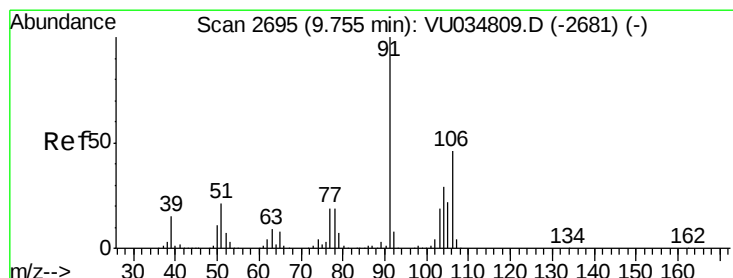
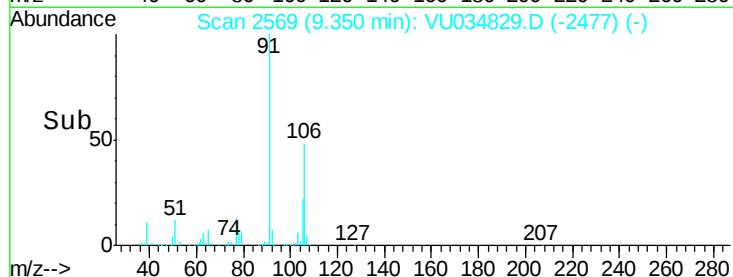
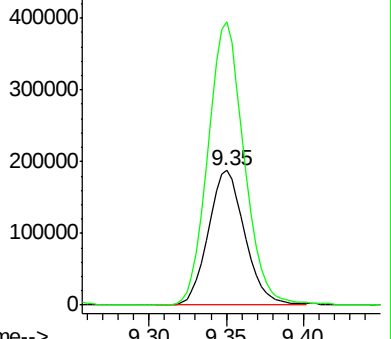
106 100

91 209.9 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 32.724 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034829.D

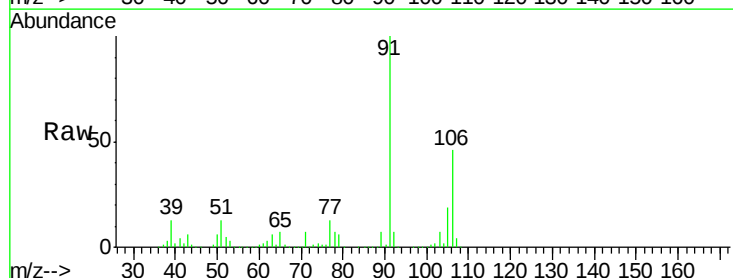
Acq: 26 Sep 2019 01:49

Tgt Ion:106 Resp: 207274

Ion Ratio Lower Upper

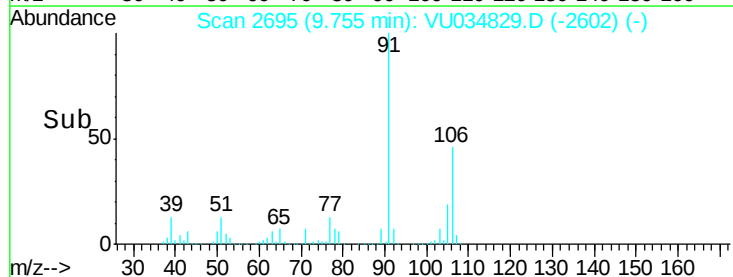
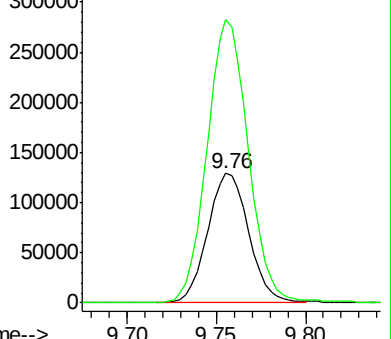
106 100

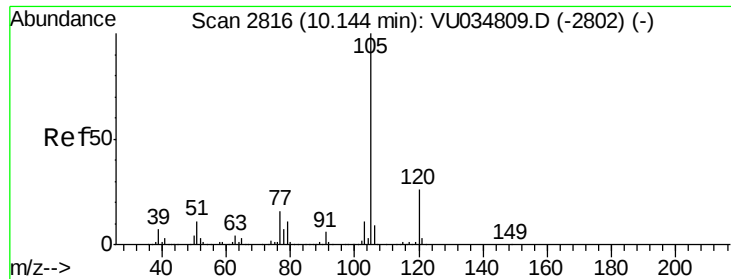
91 218.7 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 1.712 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034829.D

Acq: 26 Sep 2019 01:49

Instrument :

MSVOA_U

ClientSampleId :

BFDL3

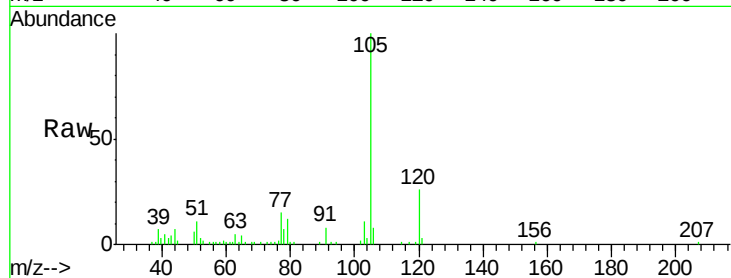
Tot Ion:105 Resp: 29241

Ion Ratio Lower Upper

105 100

120 28.3 20.4 30.6

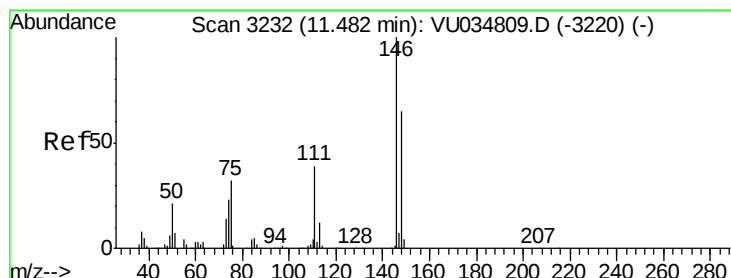
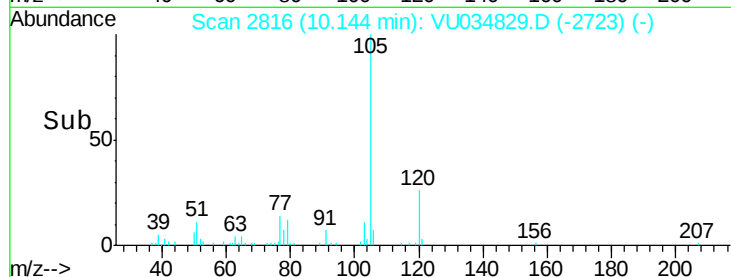
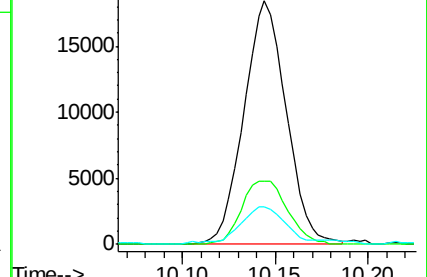
77 15.2 14.2 21.4



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



#63

1,4-Dichlorobenzene

Concen: 1.532 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.01 min

Lab File: VU034829.D

Acq: 26 Sep 2019 01:49

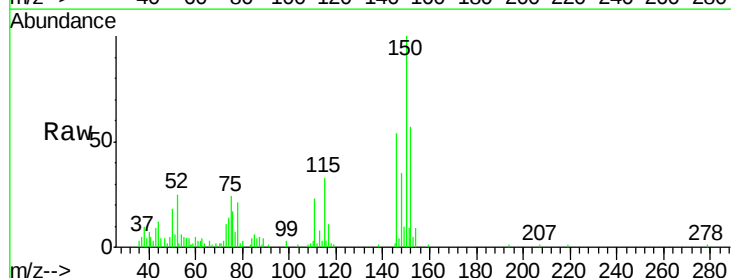
Tgt Ion:146 Resp: 11202

Ion Ratio Lower Upper

146 100

111 43.4 29.5 54.9

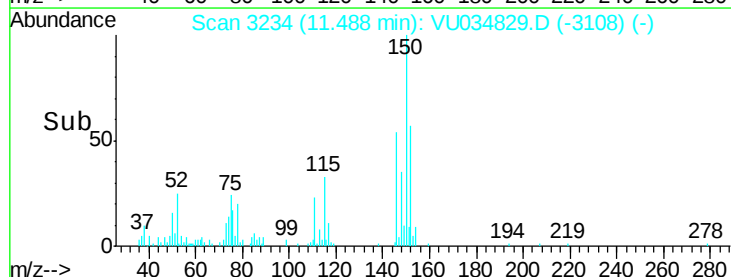
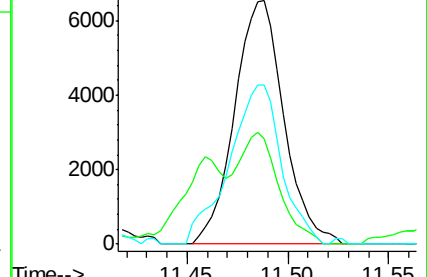
148 65.5 44.4 82.4

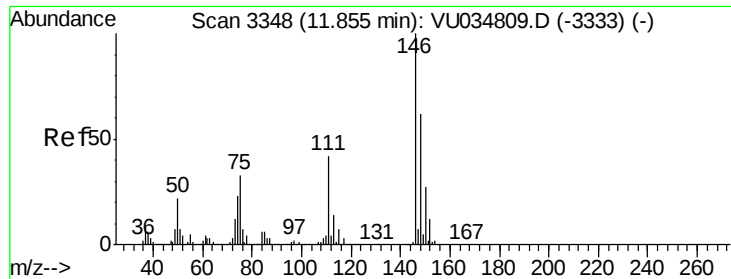


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

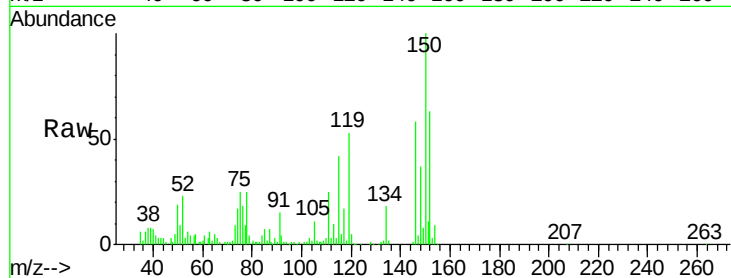




#65
 1,2-Dichlorobenzene
 Concen: 6.939 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034829.D
 Acq: 26 Sep 2019 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL3

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	35.2	52.8
148	63.7	53.0	79.6



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

